



SHIPPING DOCUMENTS

Client Contact Information				Bottle Order ID : B2504022				Courier : F. GALDUN				1 of 2 COCs				
Client ID : GFEL01 Project ID : 10 Eldridge St.				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix				
Customer Name : GFE LLC 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: 82-64 AUSTIN ST. Kew Gardens, NY												
Analysis Turnaround Time 5 DAY				Standard : 12 business days OR				Data Package Type : RESULTS ONLY								
Rush (Specify): 3 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	4/17/25	8:49	10:49	30	6	70	72	-30	-6.7	10579	10605	6 L	50	VL042316.D		
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]						
		Ambient	Maximum	Minimum												
Start																
Stop																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYLCHLORIDE 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: 14.2																
Sampling site (State):																
Quick Connector required : NO																
Canisters Shipped by: See below				Date/Time: 04/15/25				Canisters Received by: [Signature]				Date/Time: 4/18/25 1200				
Samples Relinquished by: [Signature]				Date/Time: 4/19/25				Received by:				Date/Time:				
Relinquished by:				Date/Time:				Received by:				Date/Time:				
B2504022 - 4																

Client Contact Information				Bottle Order ID : B2504022				Courier : F. GALDUN				<u>2</u> of <u>2</u> COCs			
Client ID : GFEL01				Project ID : 10 Silridge St.				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix	
Customer Name : GFE LLC 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: 454 SHERIDAN BLD. INWOOD, NY											
				Analysis Turnaround Time 5 DAY				Data Package Type : RESULTS ONLY							
				Standard : 10 business days OR				EDD Type : PDF							
Country :				Rush (Specify): 5 Days											

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor Ambient Air	Soil Gas
TA1	4/18/25	8:10	10:19	30	6			-30	-6.3	10503	10303	6 L	50	VL042316.D	1	1

Temperature (Fahrenheit)				
	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)				
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [Signature]

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

REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYL CHLORIDE

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.2

Sampling site (State):

Quick Connector required : No

Canisters Shipped by: <u>[Signature]</u>	Date/Time: <u>04/18/25</u>	Canisters Received by: <u>[Signature]</u>	Date/Time: <u>4/18/25 1200</u>
Samples Relinquished by: <u>[Signature]</u>	Date/Time: <u>4/19/25</u>	Received by:	Date/Time:
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

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:	Q1843	OrderDate:	4/18/2025 2:05:00 PM
Client:	GFE LLC	Project:	82-64 Austin St, Kew Gardens NY
Contact:	Frank Galdun	Location:	Air Lab,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1843-01	SV1	Air	VOCMS Group2	TO-15	04/17/25		04/21/25	04/18/25
Q1843-02	IA1	Air	VOCMS Group2	TO-15	04/17/25		04/21/25	04/18/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1843
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q1843-01	SV1 SV1	Air	Tetrachloroethene	7.46		1.02	2.03	ug/m3
			Total Voc :	7.46				
			Total Concentration:	7.46				
Client ID: Q1843-02	IA1 IA1	Air	Tetrachloroethene	0.47		0.14	0.20	ug/m3
			Total Voc :	0.47				
			Total Concentration:	0.47				



QC SUMMARY

Surrogate Summary

SDG No.: Q1843

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1843-01	SV1	1-Bromo-4-Fluorobenzene	10	10.8	108	65	135
Q1843-01DUP	SV1DUP	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
Q1843-02	IA1	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
VL0421ABL01	VL0421ABL01	1-Bromo-4-Fluorobenzene	10	10.5	105	65	135
VL0421ABS01	VL0421ABS01	1-Bromo-4-Fluorobenzene	10	10.8	108	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1843
Client: GFE LLC
Analytical Method: SWTO-15 **Datafile :** VL042397.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0421ABS01	Vinyl Chloride	10	8.60	ppbv	86			70	130	
	1,1-Dichloroethane	10	9.60	ppbv	96			70	130	
	cis-1,2-Dichloroethene	10	9.10	ppbv	91			70	130	
	1,1,1-Trichloroethane	10	9.30	ppbv	93			70	130	
	Trichloroethene	10	7.80	ppbv	78			70	130	
	Tetrachloroethene	10	7.40	ppbv	74			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q1843-01DUP	Q1843-01
Client Id :	SV1DUP	SV1
DF :	10	10
Datafile :	VL042411.D	VL042409.D
Anal Date & Time :	04/21/2025 19:16	04/21/2025 17:23

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1-Dichloroethane	0	0	0
cis-1,2-Dichloroethene	0	0	0
Tetrachloroethene	0.79	1.1	32.8 *
Trichloroethene	0	0	0
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SV1DUP

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1843

SAS No.: Q1843 SDG NO.: Q1843

Lab File ID: VL042411.D

Lab Sample ID: Q1843-01DUP

Date Analyzed: 04/21/2025

Time Analyzed: 19:16

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
SV1DUP	Q1843-01DUP	VL042411.D	04/21/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0421ABL01

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1843

SAS No.: Q1843 SDG NO.: Q1843

Lab File ID: VL042396.D

Lab Sample ID: VL0421ABL01

Date Analyzed: 04/21/2025

Time Analyzed: 09:28

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
VL0421ABS01	VL0421ABS01	VL042397.D	04/21/2025
IA1	Q1843-02	VL042405.D	04/21/2025
SV1	Q1843-01	VL042409.D	04/21/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1843 SAS No.: Q1843 SDG NO.: Q1843
Lab File ID: VL042348.D BFB Injection Date: 04/17/2025
Instrument ID: MSVOA_L BFB Injection Time: 07:50
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.1
75	30.0 - 66.0% of mass 95	57
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	59.5
175	4.0 - 9.0% of mass 174	4.5 (7.6) 1
176	93.0 - 101.0% of mass 174	57.6 (96.9) 1
177	5.0 - 9.0% of mass 176	3.6 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042349.D	04/17/2025	09:44
VSTDICCC002	VSTDICCC002	VL042350.D	04/17/2025	10:17
VSTDICCC001	VSTDICCC001	VL042351.D	04/17/2025	10:48
VSTDICCC0.5	VSTDICCC0.5	VL042352.D	04/17/2025	11:19
VSTDICCC0.1	VSTDICCC0.1	VL042353.D	04/17/2025	11:50
VSTDICCC0.03	VSTDICCC0.03	VL042354.D	04/17/2025	12:22
VSTDICCC015	VSTDICCC015	VL042355.D	04/17/2025	12:54

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1843 SAS No.: Q1843 SDG NO.: Q1843
Lab File ID: VL042394.D BFB Injection Date: 04/21/2025
Instrument ID: MSVOA_L BFB Injection Time: 07:58
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.7
75	30.0 - 66.0% of mass 95	63.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	54.7
175	4.0 - 9.0% of mass 174	4.2 (7.7) 1
176	93.0 - 101.0% of mass 174	52.9 (96.6) 1
177	5.0 - 9.0% of mass 176	3.4 (6.4) 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	VL042395.D	04/21/2025	08:41
VL0421ABL01	VL0421ABL01	VL042396.D	04/21/2025	09:28
VL0421ABS01	VL0421ABS01	VL042397.D	04/21/2025	10:14
IA1	Q1843-02	VL042405.D	04/21/2025	15:18
SV1	Q1843-01	VL042409.D	04/21/2025	17:23
SV1DUP	Q1843-01DUP	VL042411.D	04/21/2025	19:16

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01
 Lab Code: CHEM Case No.: Q1843 SAS No.: Q1843 SDG NO.: Q1843
 Lab File ID: VL042395.D Date Analyzed: 04/21/2025
 Instrument ID: MSVOA_L Time Analyzed: 08:41
 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	118349	2.78	334726	3.95	297161	8.88
UPPER LIMIT	165689	3.11	468616	4.28	416025	9.21
LOWER LIMIT	71009.4	2.45	200836	3.62	178297	8.55
EPA SAMPLE NO.						
SV1	115370	2.79	327427	3.96	283143	8.89
SV1DUP	129760	2.78	357552	3.96	305947	8.88
IA1	126464	2.79	348043	3.96	298931	8.88
VL0421ABL01	120411	2.78	341628	3.95	293743	8.88
VL0421ABS01	118401	2.78	337921	3.95	293537	8.88

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

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

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



SAMPLE DATA

Report of Analysis

Client:	GFE LLC	Date Collected:	04/17/25
Project:	82-64 Austin St, Kew Gardens NY	Date Received:	04/18/25
Client Sample ID:	SV1	SDG No.:	Q1843
Lab Sample ID:	Q1843-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042409.D	10		04/21/25 17:23	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.14	0.36	U	0.36	0.77	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	U	5.26	20.2	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.89	3.53	U	3.53	19.8	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55	U	0.55	1.64	ug/m3
79-01-6	Trichloroethene	0.17	0.91	U	0.91	1.61	ug/m3
127-18-4	Tetrachloroethene	1.10	7.46		1.02	2.03	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135	108%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	115000		2.79			
540-36-3	1,4-Difluorobenzene	327000		3.962			
3114-55-4	Chlorobenzene-d5	283000		8.885			

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\VL042125\
 Data File : VL042409.D
 Acq On : 21 Apr 2025 17:23
 Operator : SY/MD
 Sample : Q1843-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:56:50 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	115370	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	327427	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	283143	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	251438	10.807	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.100%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	2356	0.267	ppbv	88
10) Heptane	4.985	43	3535m	0.142	ppbv	
13) Ethanol	1.722	45	2759m	1.964	ppbv	
15) Acetone	1.839	43	49004	2.595	ppbv	95
20) Methylene Chloride	2.062	84	1414	0.191	ppbv #	55
26) Hexane	2.829	57	9974	0.529	ppbv #	30
34) 2-Butanone	2.564	43	16316	0.630	ppbv	97
51) 2-Hexanone	7.448	43	21893m	0.567	ppbv	
52) Tetrachloroethene	8.228	164	1474	0.108	ppbv #	80
53) Toluene	6.936	91	19617m	0.463	ppbv	
58) Ethyl Benzene	9.357	91	19485	0.347	ppbv #	86
59) m/p-Xylene	9.535	91	52878	1.170	ppbv	98
60) o-Xylene	9.963	91	31285	0.687	ppbv	94
62) Isopropylbenzene	10.542	105	13049	0.195	ppbv	98
64) n-propylbenzene	10.992	120	10960	0.653	ppbv	98
67) sec-Butylbenzene	11.769	105	30797m	0.361	ppbv	
69) p-Isopropyltoluene	11.930	119	15026	0.202	ppbv	98
72) 4-Ethyltoluene	11.128	105	32413	0.583	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.205	105	39763	0.810	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	105063	1.831	ppbv #	62

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

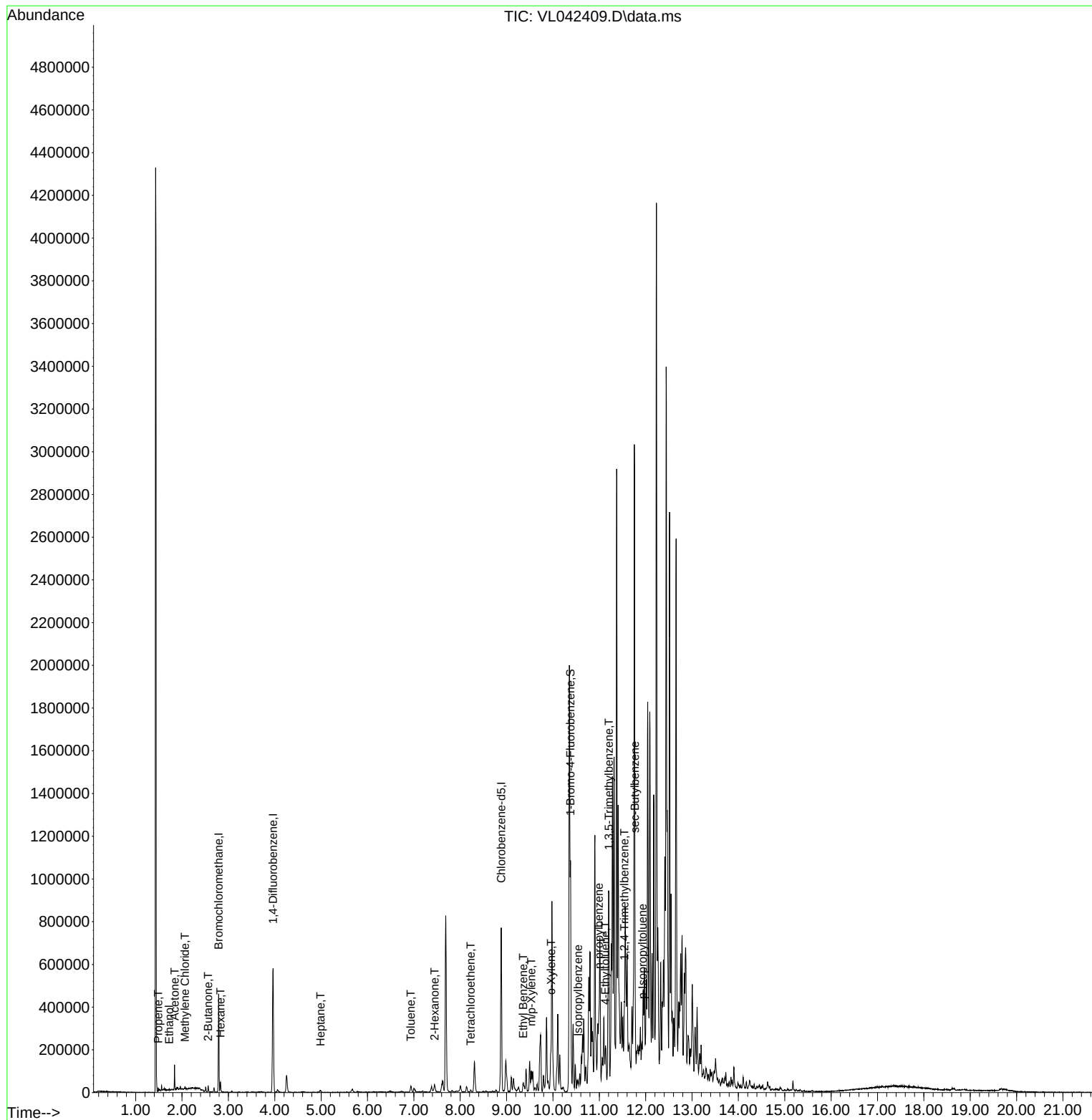
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042409.D
Acq On : 21 Apr 2025 17:23
Operator : SY/MD
Sample : Q1843-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

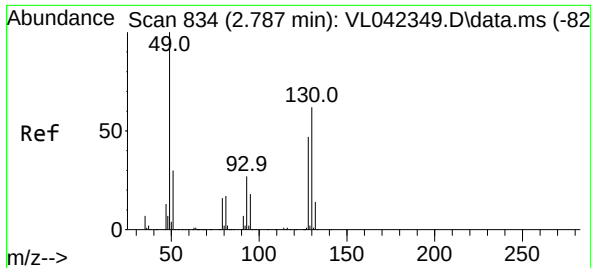
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Apr 22 02:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

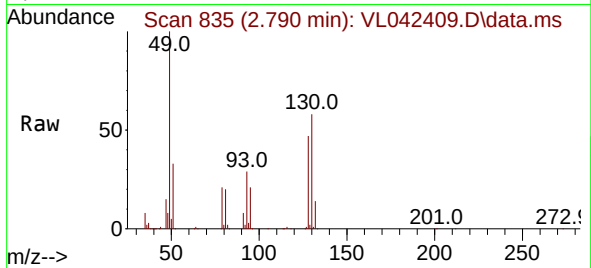
Reviewed By : Semsettin Yesilyurt 04/22/2025
Supervised By : Mahesh Dadoda 04/22/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

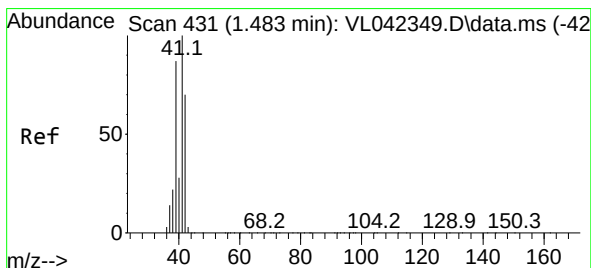
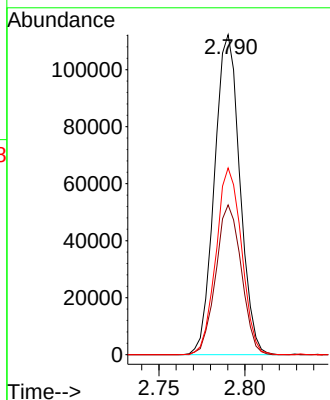
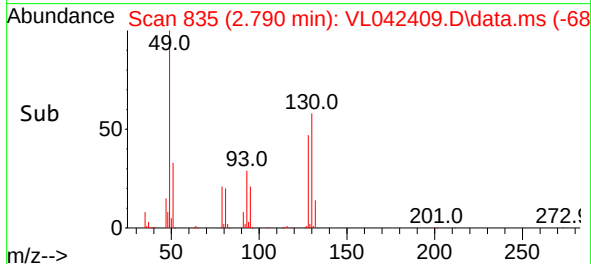
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 115370
Ion Ratio Lower Upper
49 100
128 46.9 22.8 68.4
130 58.8 29.3 88.0

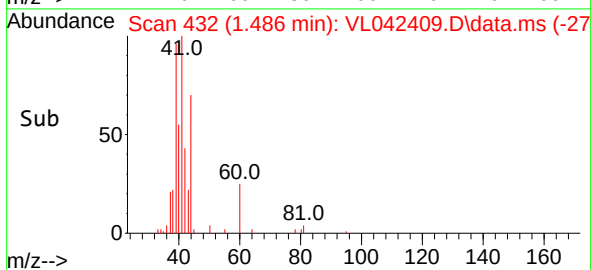
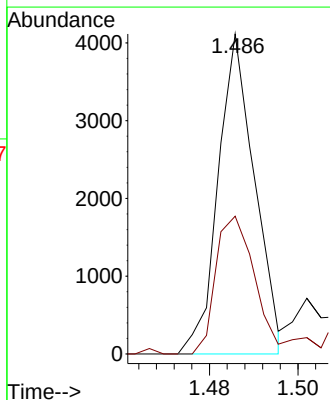
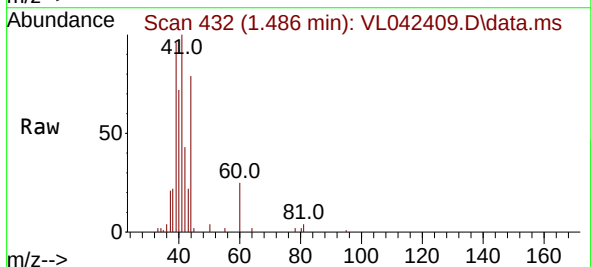
Manual Integrations
APPROVED

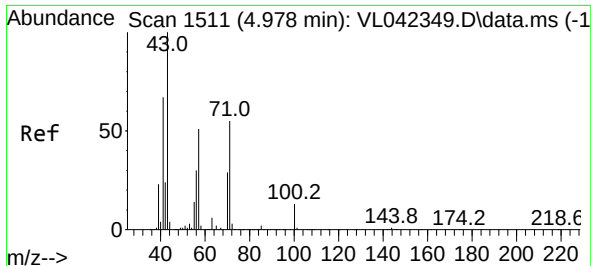
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#9
Propene
Concen: 0.267 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

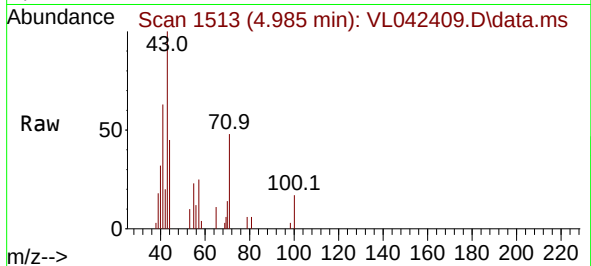
Tgt Ion: 41 Resp: 2356
Ion Ratio Lower Upper
41 100
42 60.1 56.2 84.4





#10
Heptane
Concen: 0.142 ppbv m
RT: 4.985 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

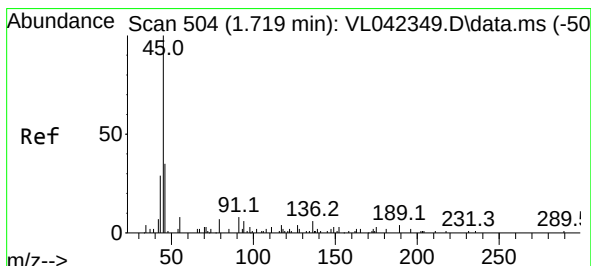
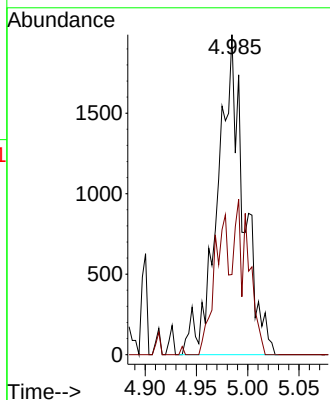
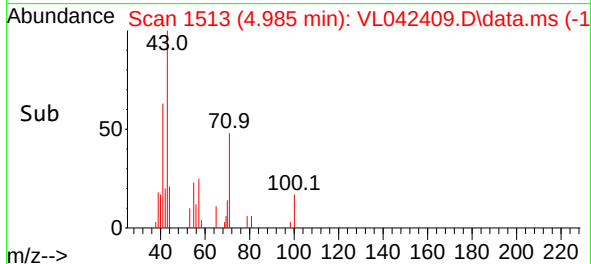
Instrument :
MSVOA_L
ClientSampleId :
SV1



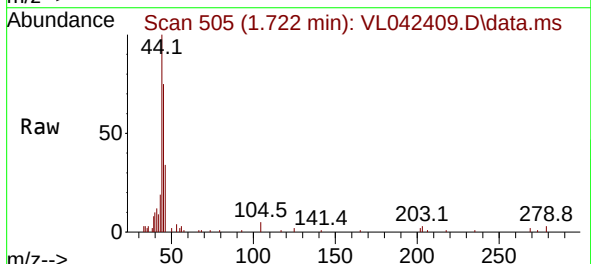
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
57 51.1 39.9 59.9

Manual Integrations
APPROVED

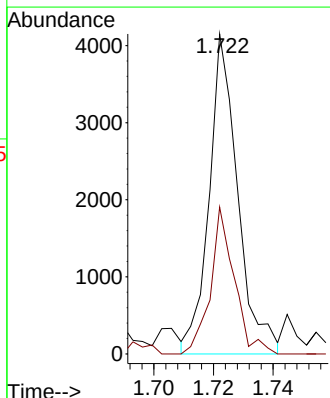
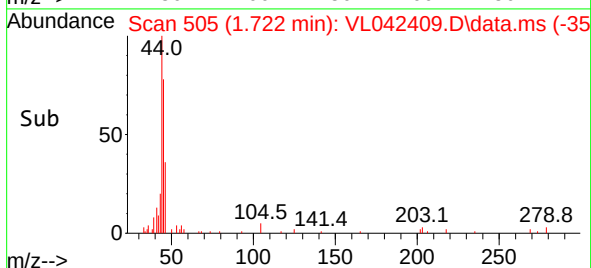
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

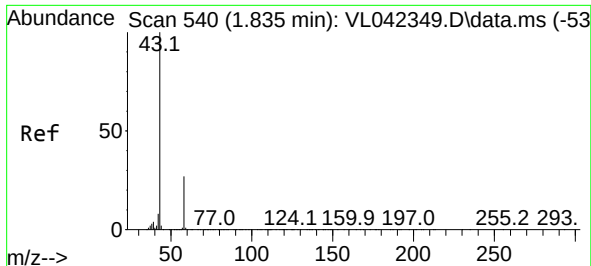


#13
Ethanol
Concen: 1.964 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23



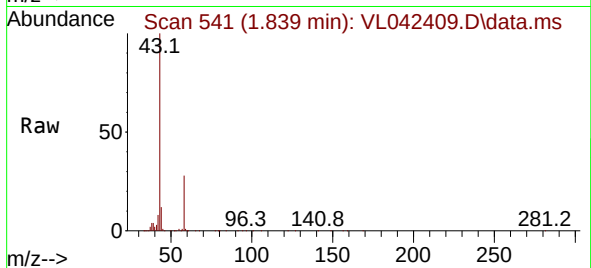
Tgt Ion: 45 Resp: 2759
Ion Ratio Lower Upper
45 100
46 4798.2 21.9 87.7#





#15
Acetone
Concen: 2.595 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

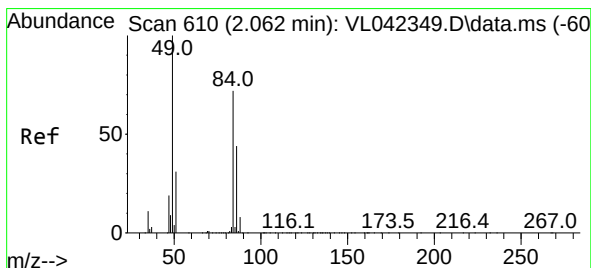
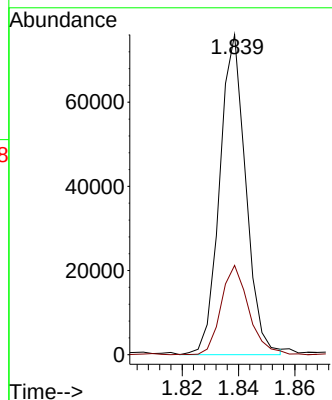
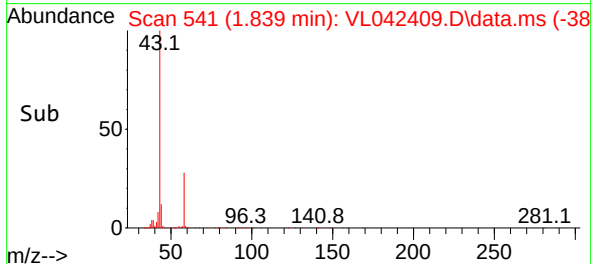
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 49004
Ion Ratio Lower Upper
43 100
58 30.5 22.4 33.6

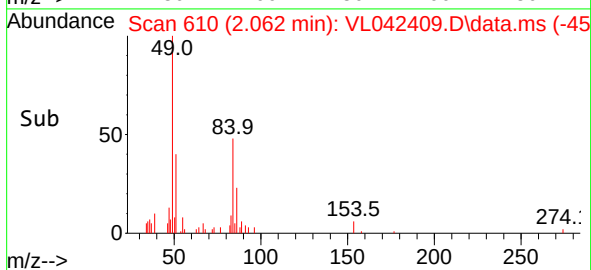
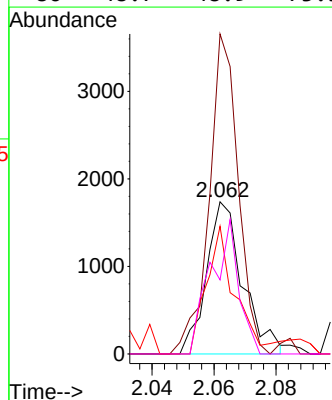
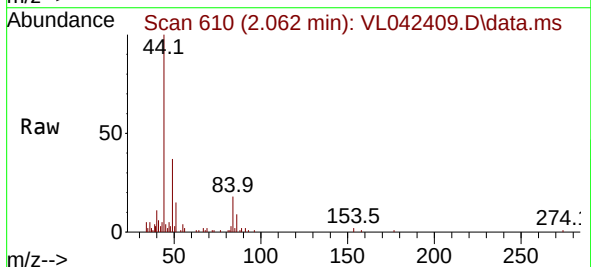
Manual Integrations
APPROVED

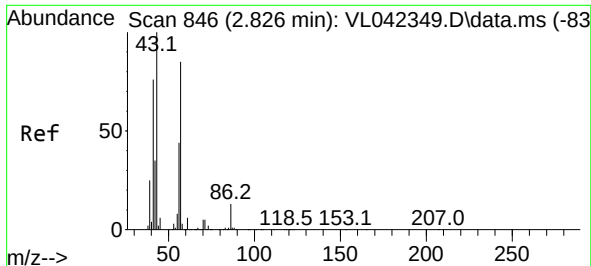
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#20
Methylene Chloride
Concen: 0.191 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Tgt Ion: 84 Resp: 1414
Ion Ratio Lower Upper
84 100
49 203.4 111.6 167.4#
51 83.9 35.1 52.7#
86 48.7 48.9 73.3#





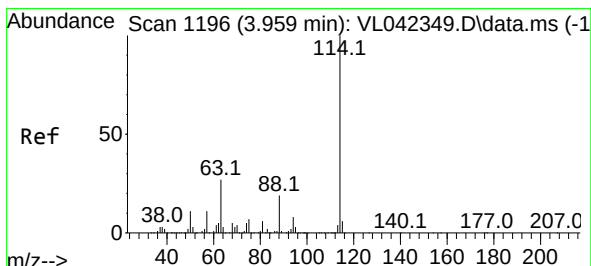
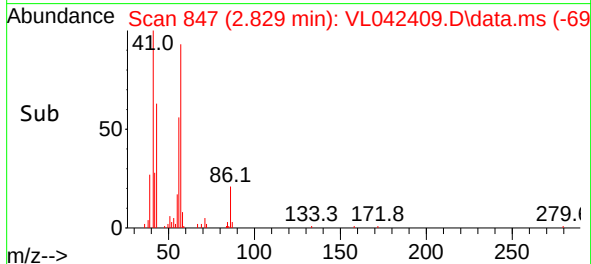
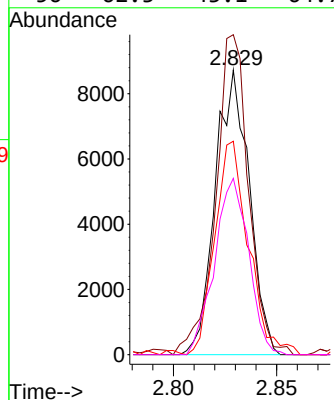
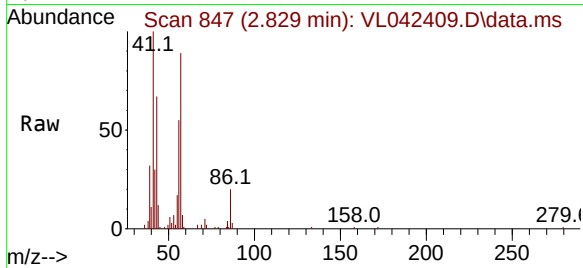
#26
Hexane
Concen: 0.529 ppbv
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 57 Resp: 9974
Ion Ratio Lower Upper
57 100
41 109.6 77.9 116.9
43 75.4 208.4 312.6
56 62.3 43.1 64.7

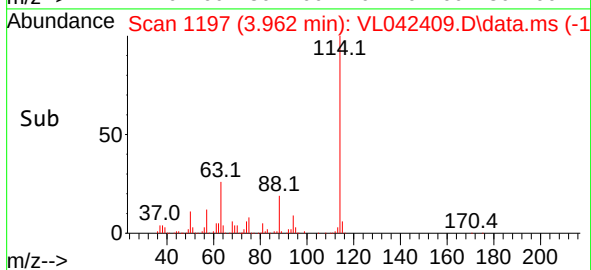
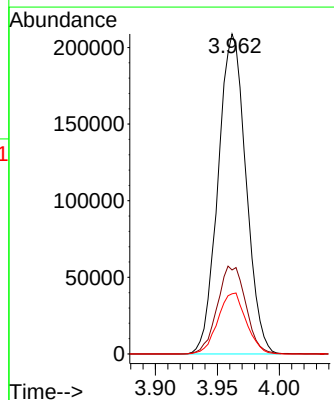
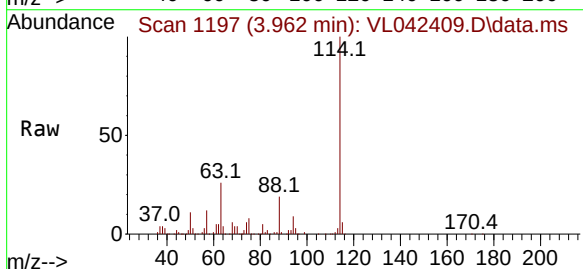
Manual Integrations
APPROVED

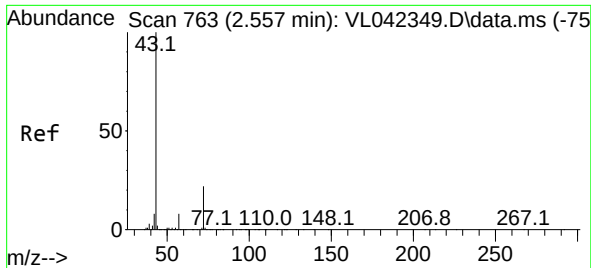
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Tgt Ion:114 Resp: 327427
Ion Ratio Lower Upper
114 100
63 28.1 21.8 32.6
88 19.3 15.5 23.3





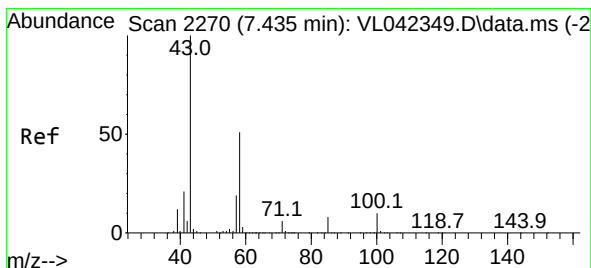
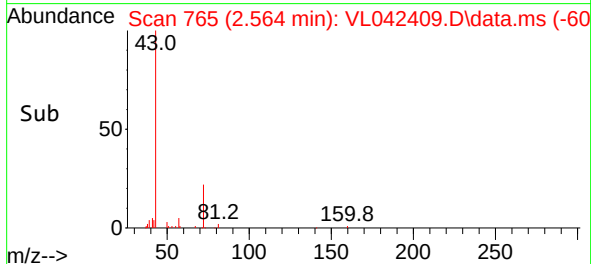
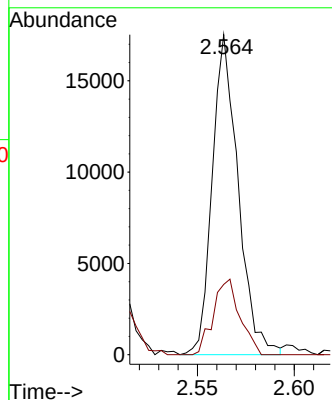
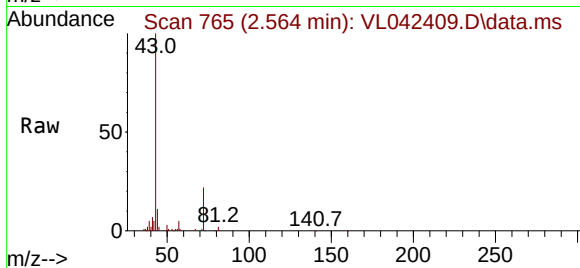
#34
2-Butanone
Concen: 0.630 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 16310
Ion Ratio Lower Upper
43 100
72 24.2 18.2 27.2

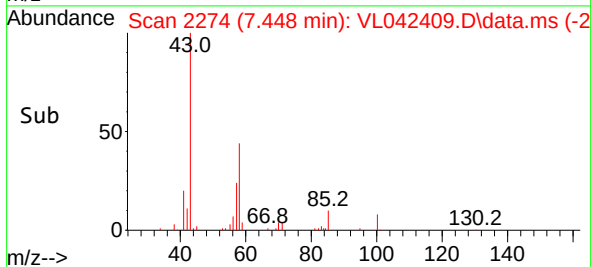
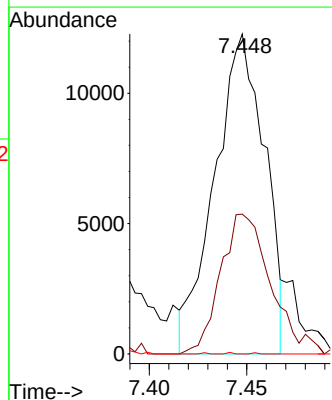
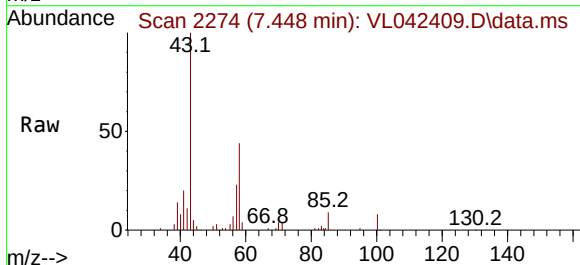
Manual Integrations
APPROVED

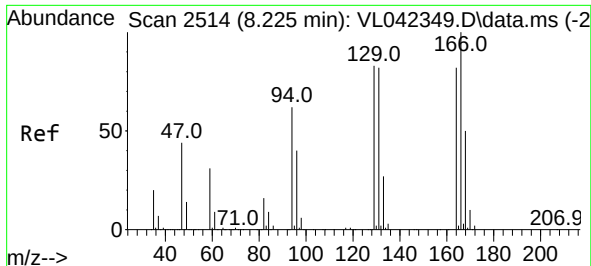
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#51
2-Hexanone
Concen: 0.567 ppbv m
RT: 7.448 min Scan# 2274
Delta R.T. 0.013 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

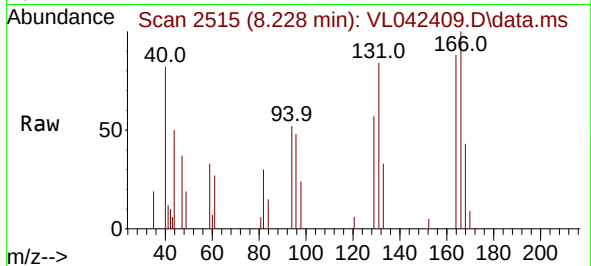
Tgt Ion: 43 Resp: 21893
Ion Ratio Lower Upper
43 100
58 44.5 40.2 60.4
98 0.0 0.1 0.1#





#52
Tetrachloroethene
Concen: 0.108 ppbv
RT: 8.228 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

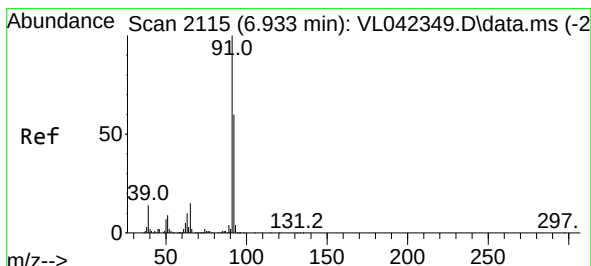
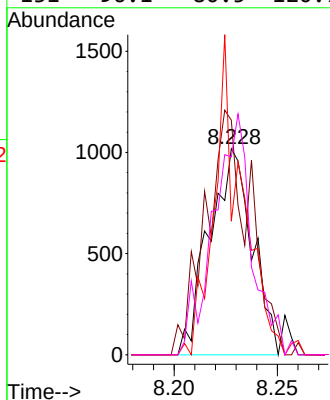
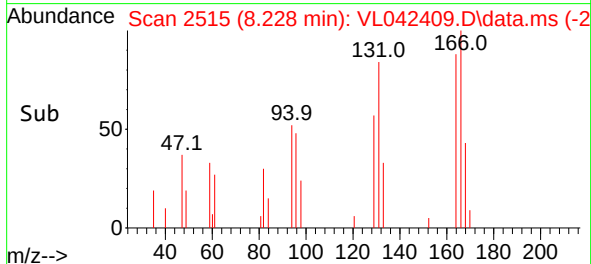
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 1474
Ion Ratio Lower Upper
164 100
166 101.8 98.2 147.2
129 64.8 81.8 122.8
131 96.1 80.5 120.7

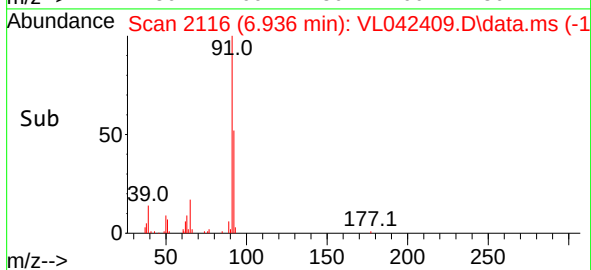
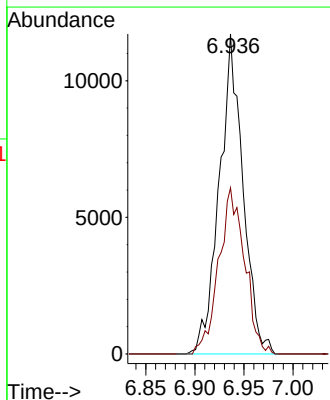
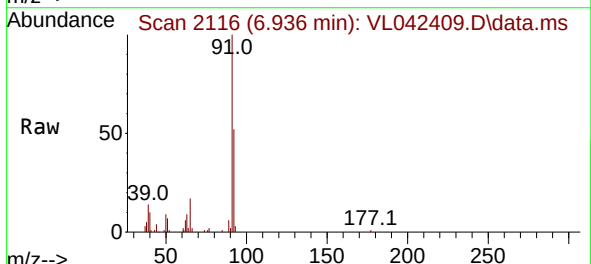
Manual Integrations
APPROVED

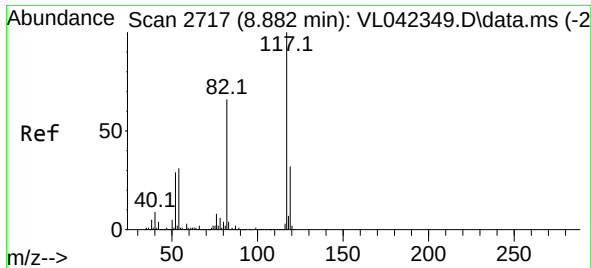
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#53
Toluene
Concen: 0.463 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Tgt Ion: 91 Resp: 19617
Ion Ratio Lower Upper
91 100
92 56.8 48.2 72.4





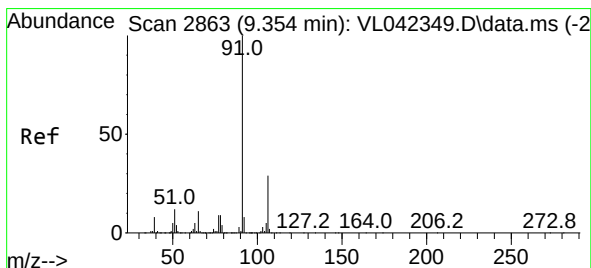
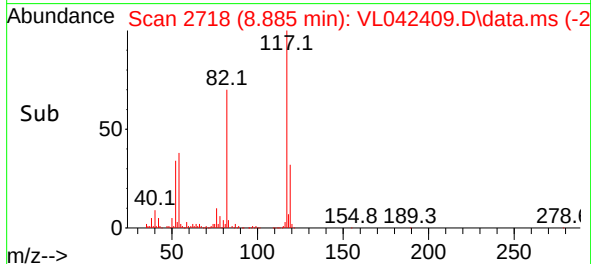
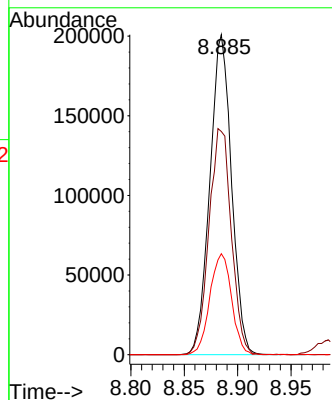
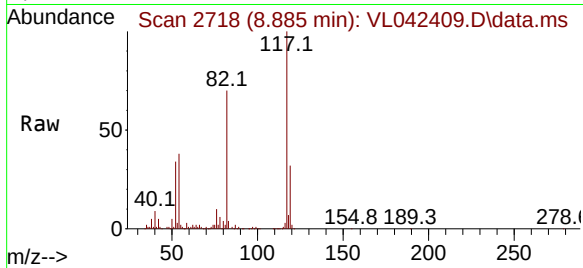
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 117 Resp: 28314
Ion Ratio Lower Upper
117 100
82 72.9 57.8 86.6
119 31.7 25.2 37.8

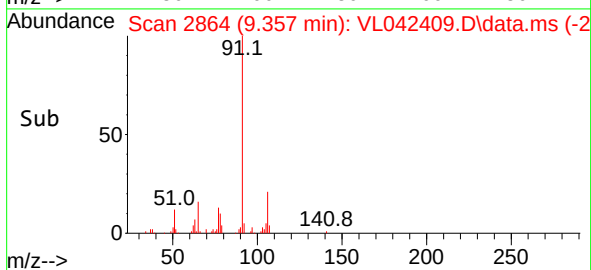
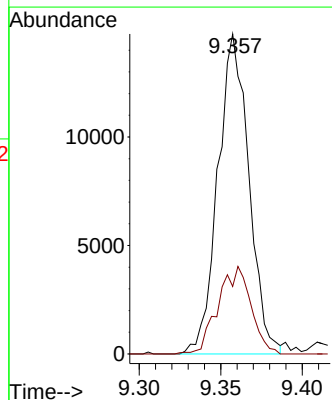
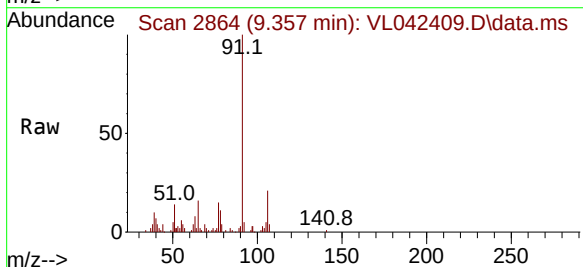
Manual Integrations
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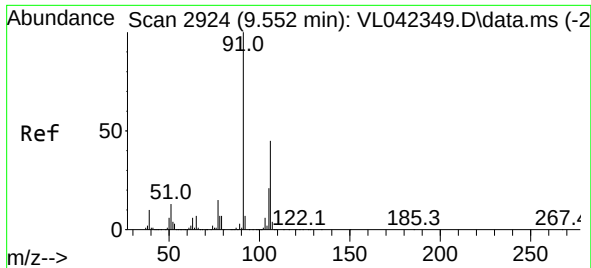
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#58
Ethyl Benzene
Concen: 0.347 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Tgt Ion: 91 Resp: 19485
Ion Ratio Lower Upper
91 100
106 21.1 23.0 34.4#





#59

m/p-Xylene

Concen: 1.170 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.016 min

Lab File: VL042409.D

Acq: 21 Apr 2025 17:23

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 52878

Ion Ratio Lower Upper

91 100

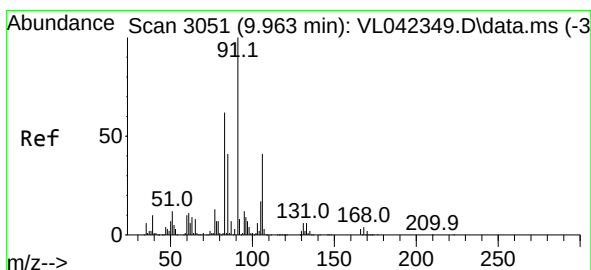
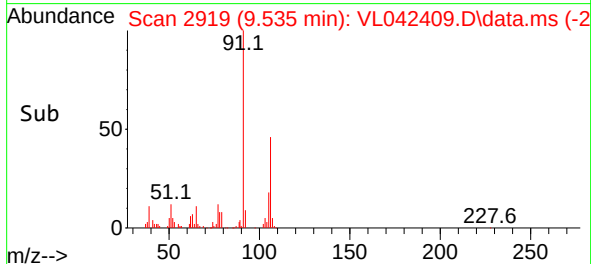
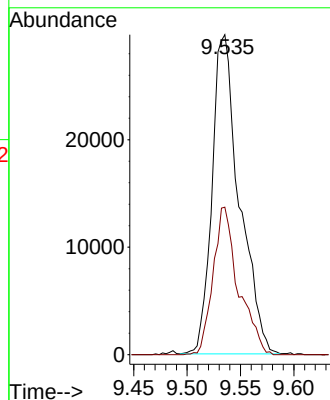
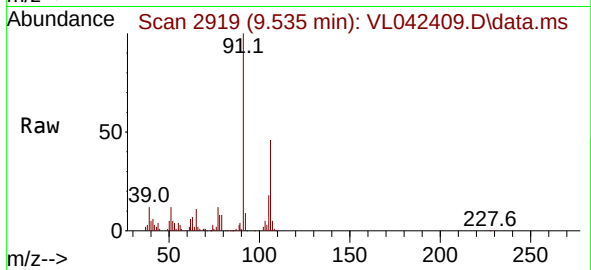
106 42.9 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#60

o-Xylene

Concen: 0.687 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042409.D

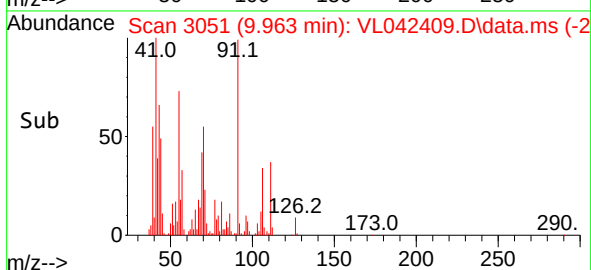
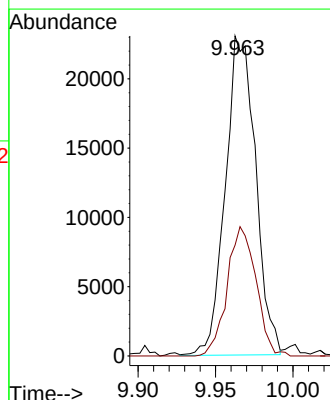
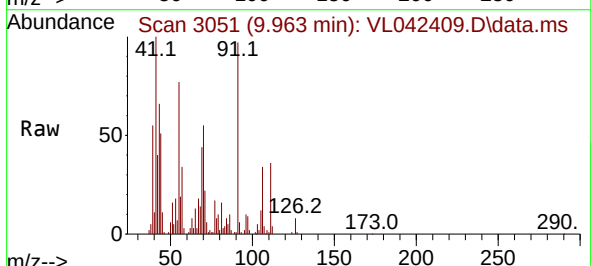
Acq: 21 Apr 2025 17:23

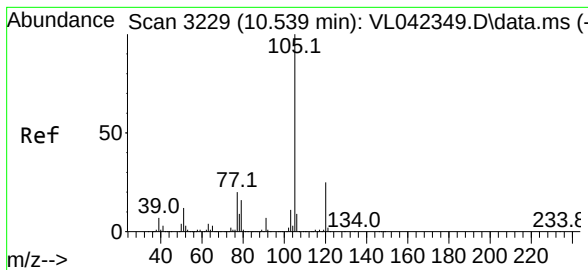
Tgt Ion: 91 Resp: 31285

Ion Ratio Lower Upper

91 100

106 38.8 21.1 63.4





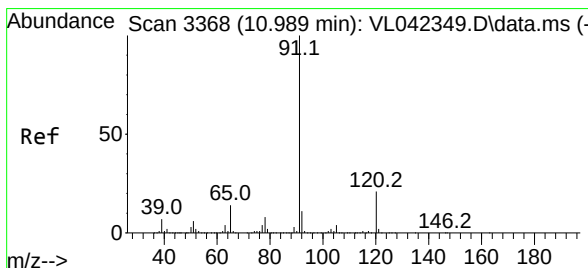
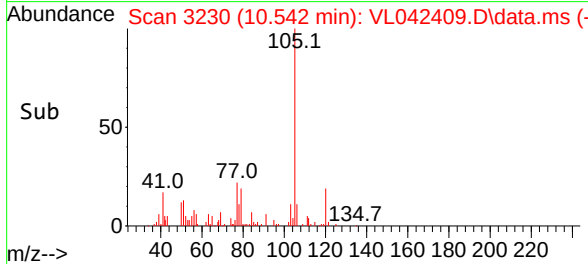
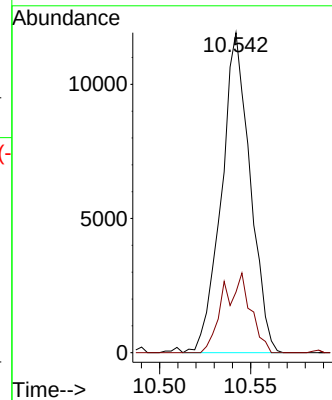
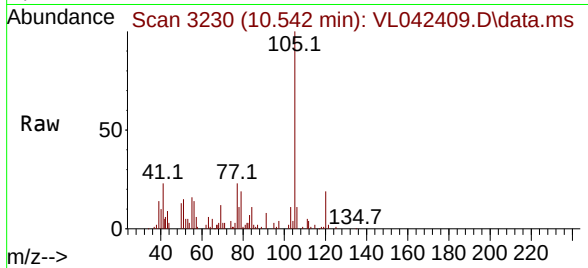
#62
Isopropylbenzene
Concen: 0.195 ppbv
RT: 10.542 min Scan# 3229
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 13049
Ion Ratio Lower Upper
105 100
120 23.8 19.8 29.8

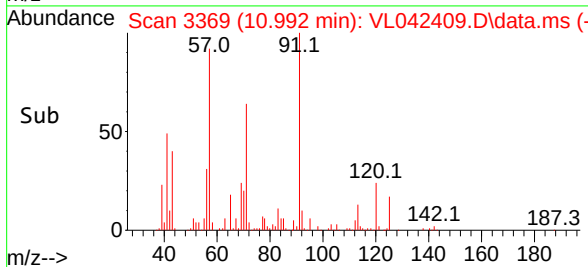
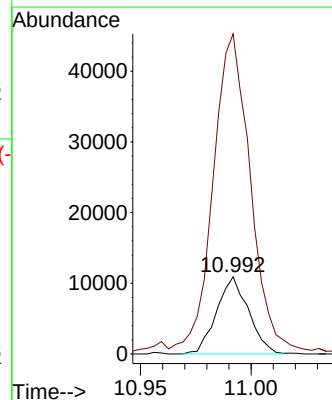
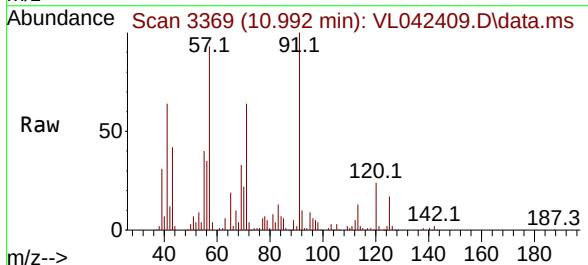
Manual Integrations
APPROVED

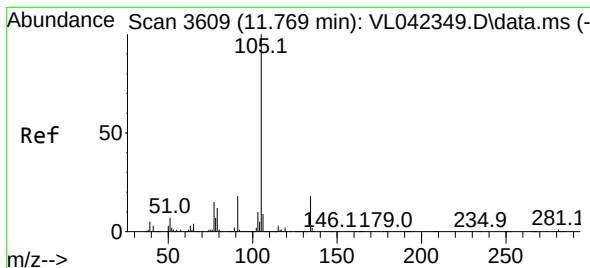
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#64
n-propylbenzene
Concen: 0.653 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

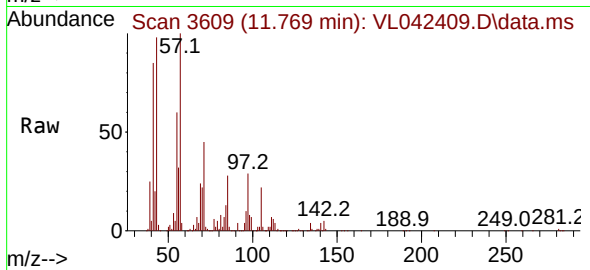
Tgt Ion:120 Resp: 10960
Ion Ratio Lower Upper
120 100
91 494.8 392.4 588.6





#67
 sec-Butylbenzene
 Concen: 0.361 ppbv m
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042409.D
 Acq: 21 Apr 2025 17:23

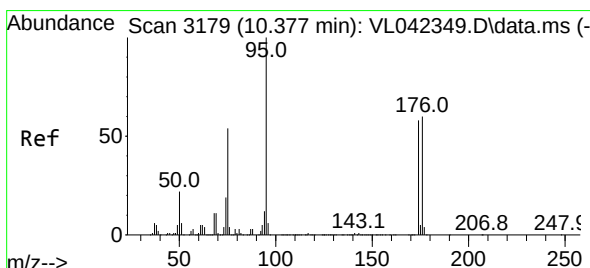
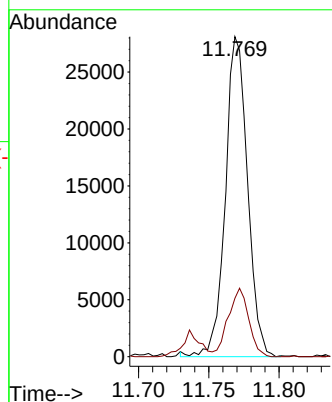
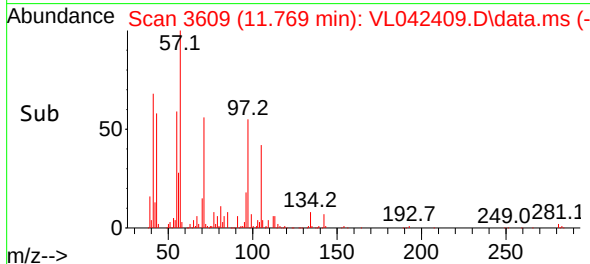
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 105 Resp: 3079
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8

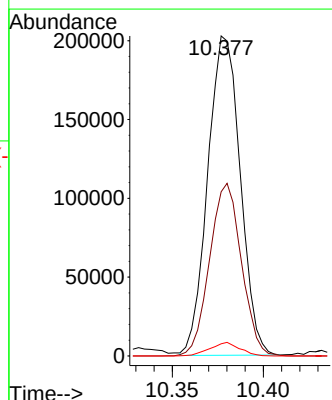
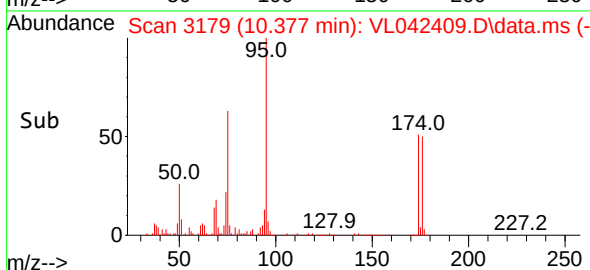
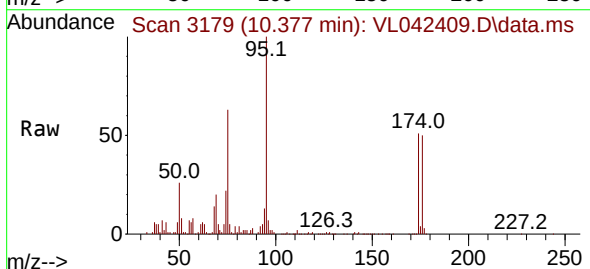
Manual Integrations
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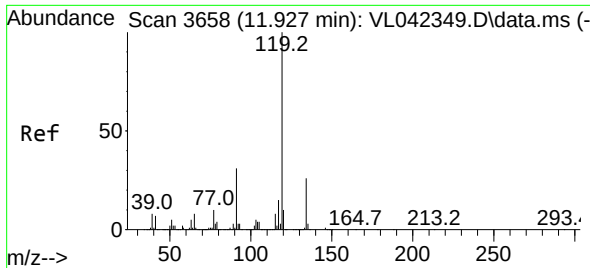
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.807 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL042409.D
 Acq: 21 Apr 2025 17:23

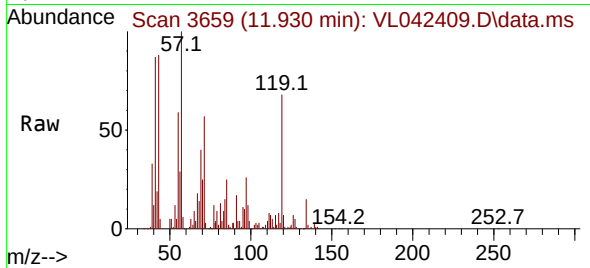
Tgt Ion: 95 Resp: 251438
 Ion Ratio Lower Upper
 95 100
 174 52.8 48.5 72.7
 175 3.9 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.202 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23

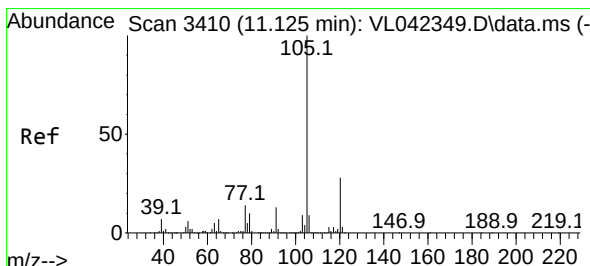
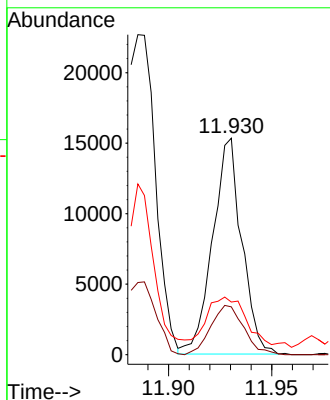
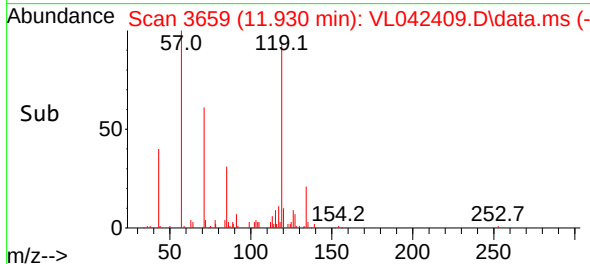
Instrument :
MSVOA_L
ClientSampleId :
SV1



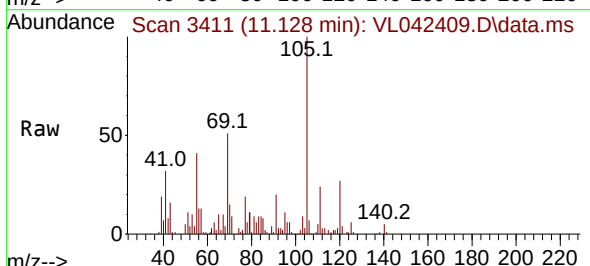
Tgt Ion:119 Resp: 15020
Ion Ratio Lower Upper
119 100
134 25.9 20.0 30.0
91 31.8 24.4 36.6

Manual Integrations
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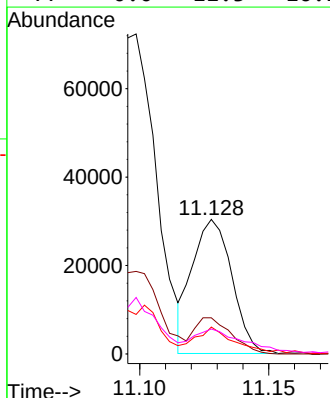
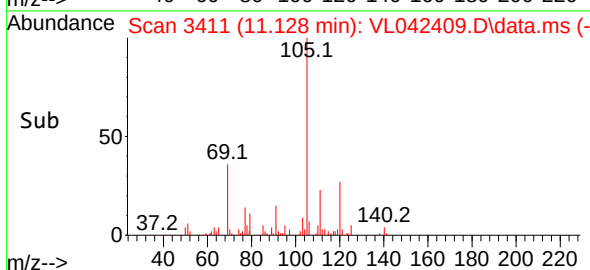
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

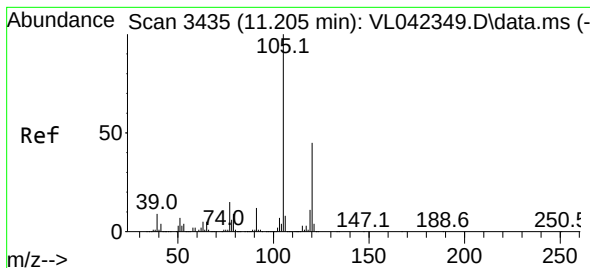


#72
4-Ethyltoluene
Concen: 0.583 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042409.D
Acq: 21 Apr 2025 17:23



Tgt Ion:105 Resp: 32413
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.810 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL042409.D

Acq: 21 Apr 2025 17:23

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 3976

Ion Ratio Lower Upper

105 100

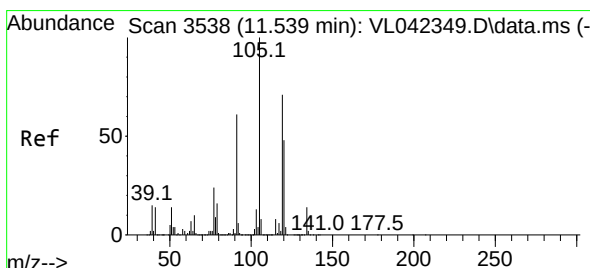
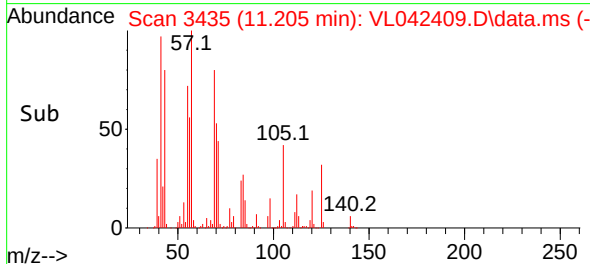
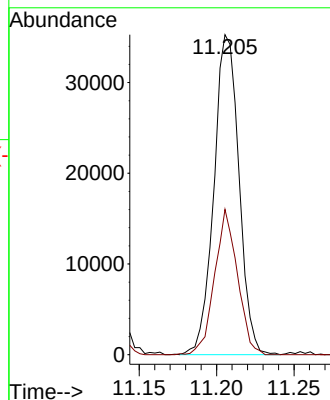
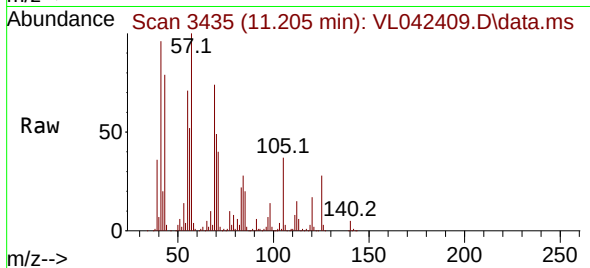
120 45.4 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.831 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL042409.D

Acq: 21 Apr 2025 17:23

Tgt Ion:105 Resp: 105063

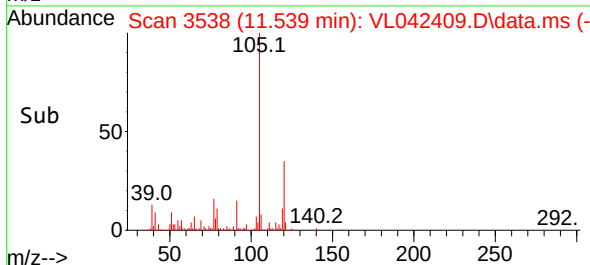
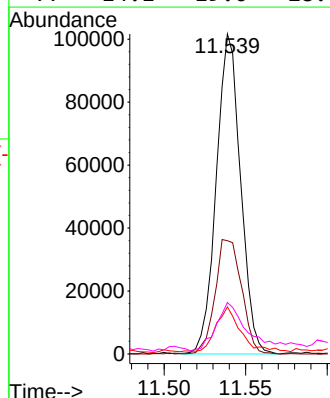
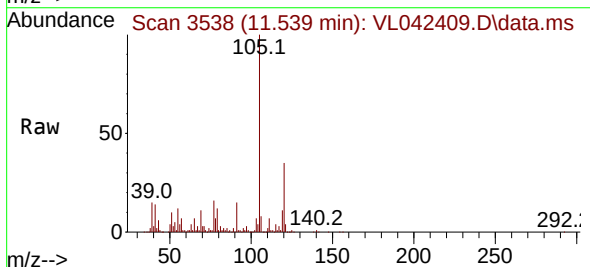
Ion Ratio Lower Upper

105 100

120 35.3 38.1 57.1#

91 14.0 48.8 73.2#

77 14.1 19.0 28.4#



Report of Analysis

Client:	GFE LLC	Date Collected:	04/17/25
Project:	82-64 Austin St, Kew Gardens NY	Date Received:	04/18/25
Client Sample ID:	IA1	SDG No.:	Q1843
Lab Sample ID:	Q1843-02	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042405.D	1		04/21/25 15:18	VL042125

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
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	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	0.070	0.47		0.14	0.20	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	126000		2.787			
540-36-3	1,4-Difluorobenzene	348000		3.959			
3114-55-4	Chlorobenzene-d5	299000		8.878			

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\VL042125\
 Data File : VL042405.D
 Acq On : 21 Apr 2025 15:18
 Operator : SY/MD
 Sample : Q1843-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 06:46:28 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

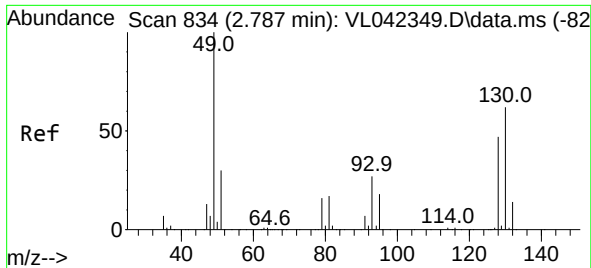
Internal Standards						
1) Bromochloromethane	2.787	49	126464	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	348043	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	298931	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	259568	10.567	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	9994	0.447	ppbv	96
3) Chlorodifluoromethane	1.476	51	4704m	0.221	ppbv	
4) Chloromethane	1.531	50	4567	0.516	ppbv #	86
9) Propene	1.489	41	137485m	14.189	ppbv	
10) Heptane	4.985	43	9835m	0.361	ppbv	
11) Trichlorofluoromethane	1.877	101	4590m	0.216	ppbv	
13) Ethanol	1.722	45	63374	41.149	ppbv	76
15) Acetone	1.835	43	987031	47.677	ppbv	99
19) Isopropyl Alcohol	1.887	45	159355	13.856	ppbv #	1
20) Methylene Chloride	2.059	84	7400	0.913	ppbv	85
26) Hexane	2.826	57	477107	23.097	ppbv #	32
30) Cyclohexane	3.858	84	2287m	0.137	ppbv	
34) 2-Butanone	2.564	43	7185	0.261	ppbv	100
35) Carbon Tetrachloride	3.764	117	2278m	0.072	ppbv	
36) Benzene	3.658	78	6904	0.184	ppbv #	93
44) 2,2,4-Trimethylpentane	4.642	57	14523	0.224	ppbv #	81
52) Tetrachloroethene	8.215	164	1012m	0.070	ppbv	
53) Toluene	6.933	91	21738	0.483	ppbv	99
59) m/p-Xylene	9.532	91	18242	0.382	ppbv	99
60) o-Xylene	9.963	91	5744m	0.120	ppbv	

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

Manual Integrations

Quant Time: Apr 22 06:46:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration





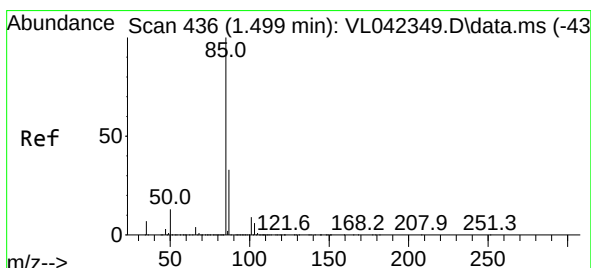
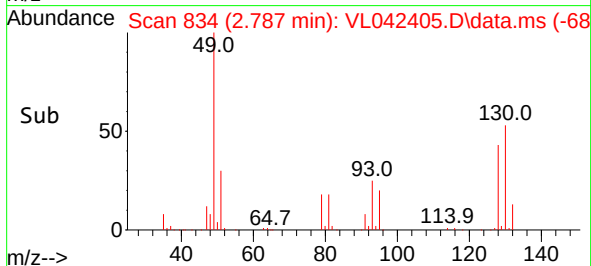
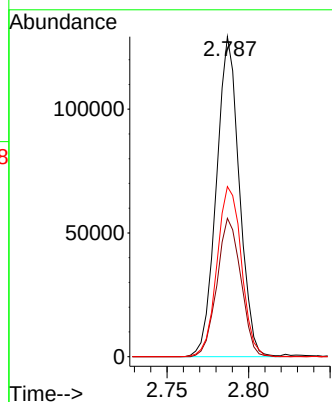
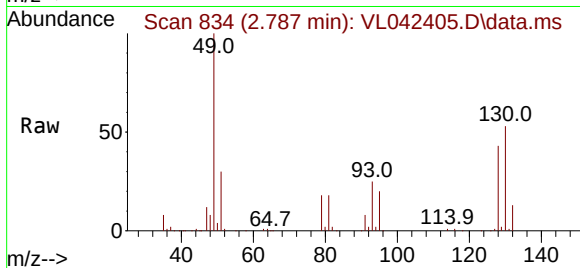
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 126464
Ion Ratio Lower Upper
49 100
128 44.9 22.8 68.4
130 56.6 29.3 88.0

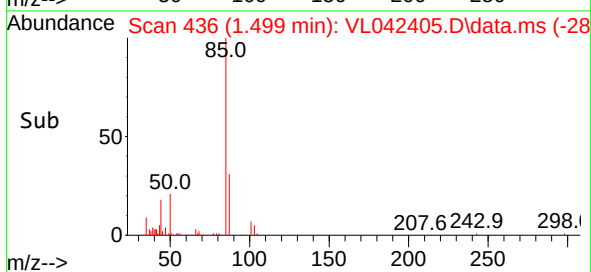
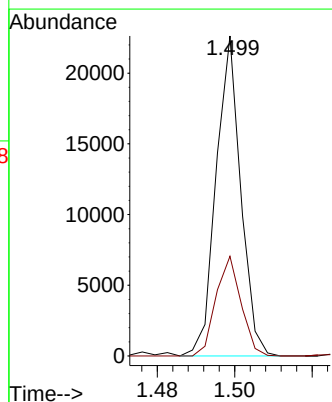
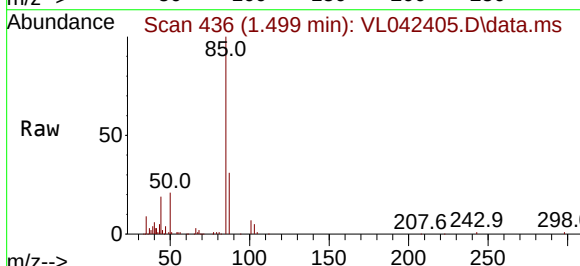
Manual Integrations
APPROVED

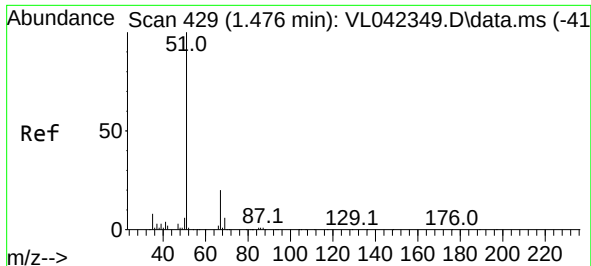
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#2
Dichlorodifluoromethane
Concen: 0.447 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

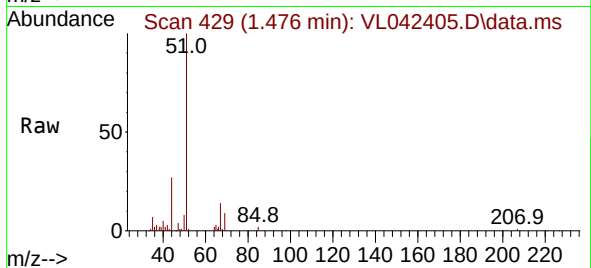
Tgt Ion: 85 Resp: 9994
Ion Ratio Lower Upper
85 100
87 31.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.221 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

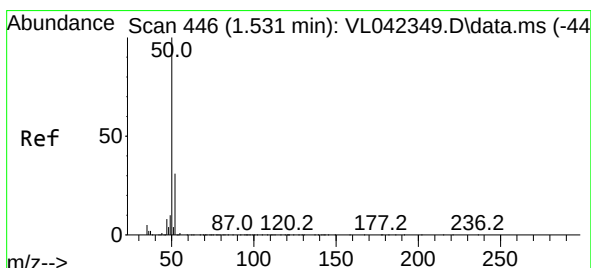
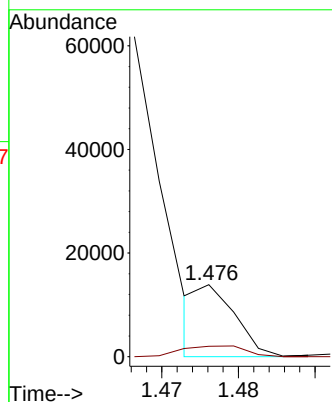
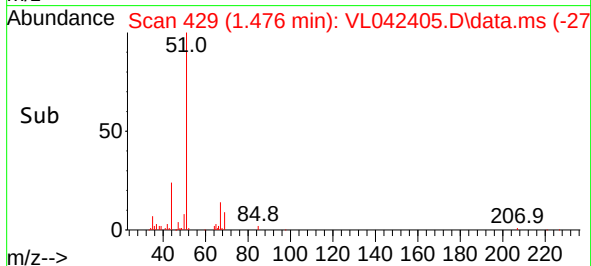
Instrument :
MSVOA_L
ClientSampleId :
IA1



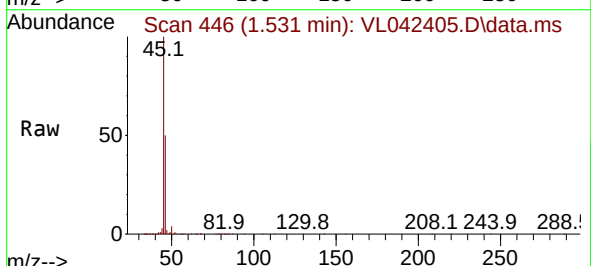
Tgt Ion: 51 Resp: 4704
Ion Ratio Lower Upper
51 100
67 27.3 16.2 24.4

Manual Integrations
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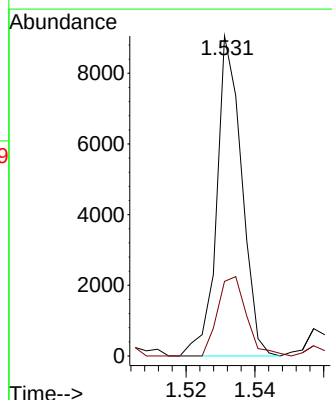
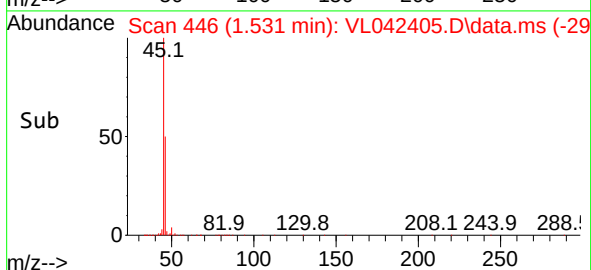
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

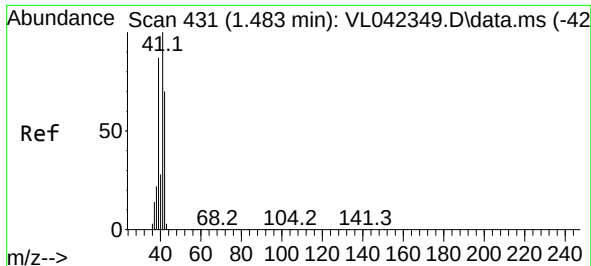


#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18



Tgt Ion: 50 Resp: 4567
Ion Ratio Lower Upper
50 100
52 23.3 24.7 37.1





#9

Propene

Concen: 14.189 ppbv m

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042405.D

Acq: 21 Apr 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 13748

Ion Ratio Lower Upper

41 100

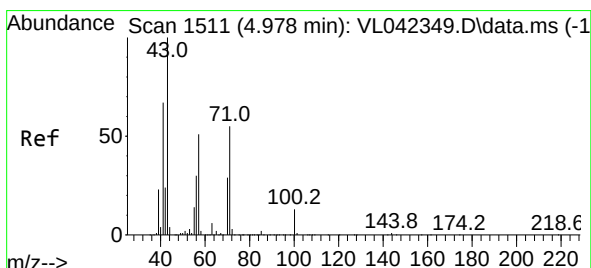
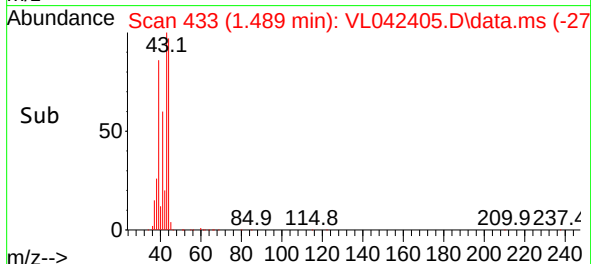
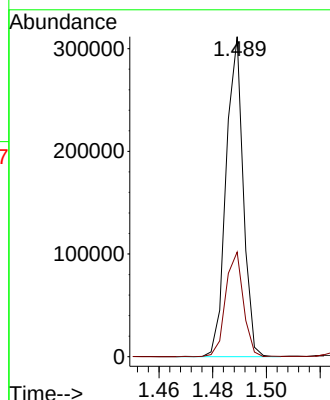
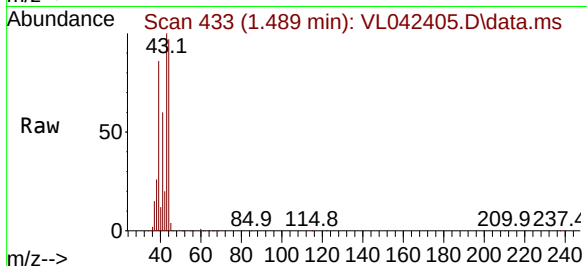
42 6.2 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#10

Heptane

Concen: 0.361 ppbv m

RT: 4.985 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VL042405.D

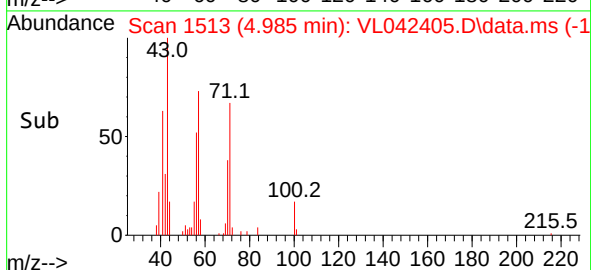
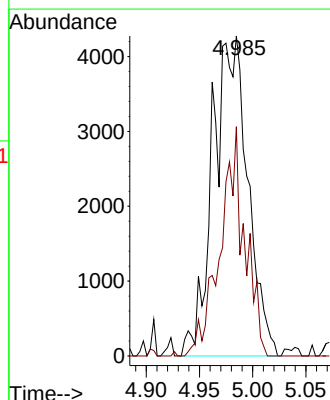
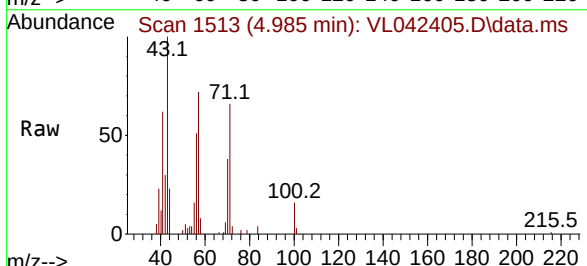
Acq: 21 Apr 2025 15:18

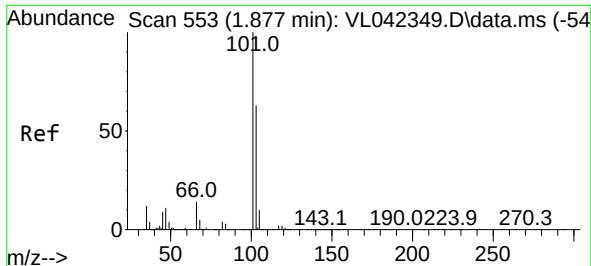
Tgt Ion: 43 Resp: 9835

Ion Ratio Lower Upper

43 100

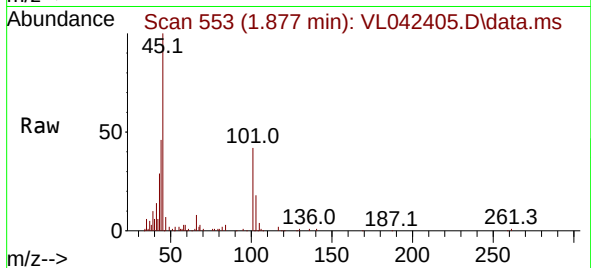
57 0.0 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.216 ppbv m
RT: 1.877 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

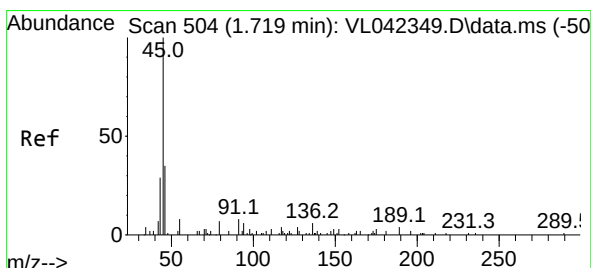
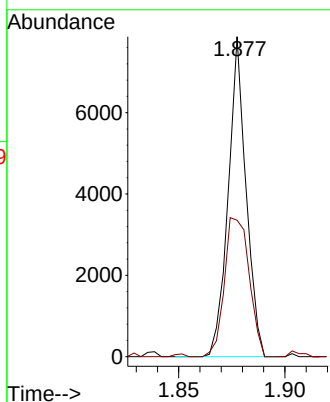
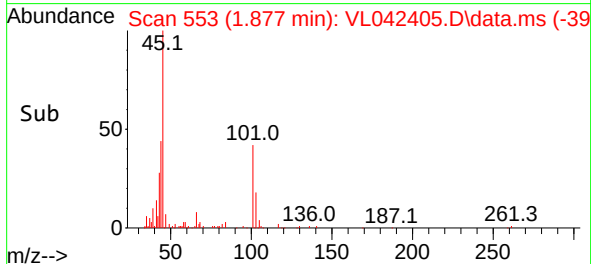
Instrument :
MSVOA_L
ClientSampleId :
IA1



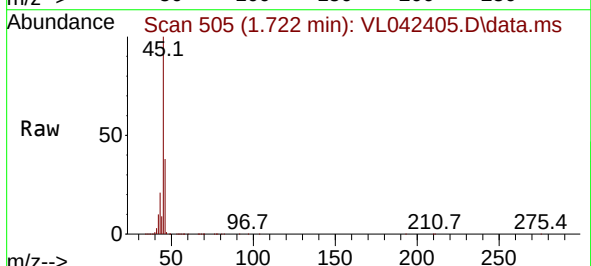
Tgt Ion: 101 Resp: 4590
Ion Ratio Lower Upper
101 100
103 42.7 50.1 75.1

Manual Integrations
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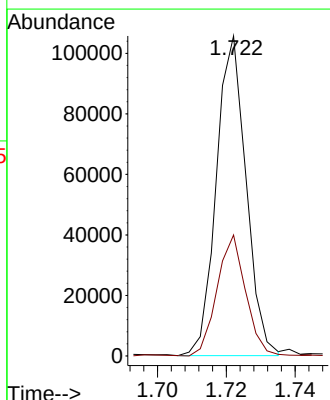
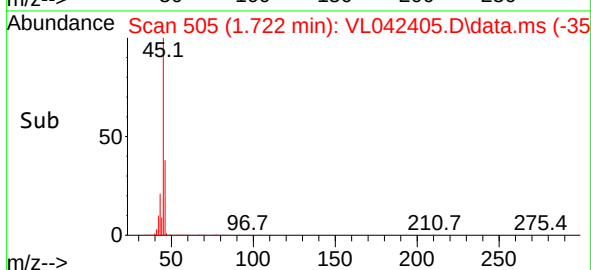
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

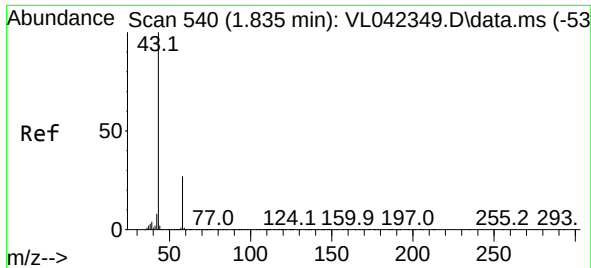


#13
Ethanol
Concen: 41.149 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18



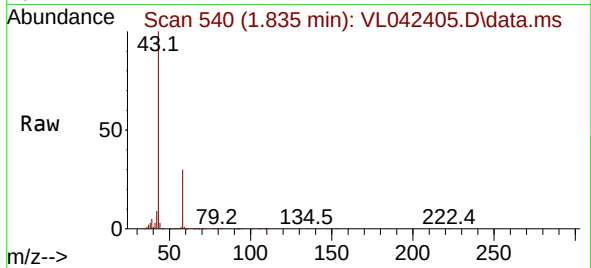
Tgt Ion: 45 Resp: 63374
Ion Ratio Lower Upper
45 100
46 37.7 21.9 87.7





#15
Acetone
Concen: 47.677 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

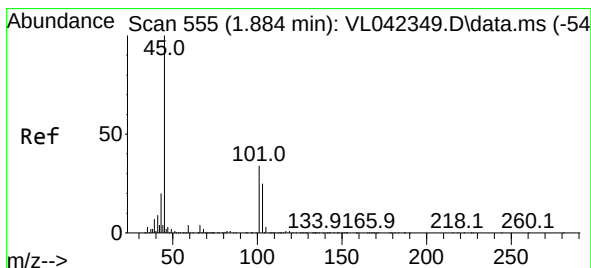
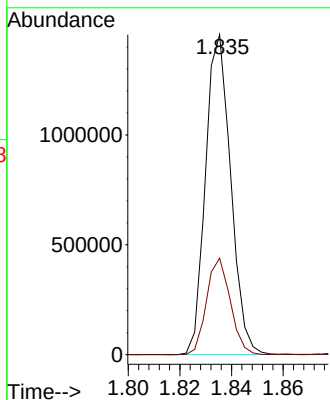
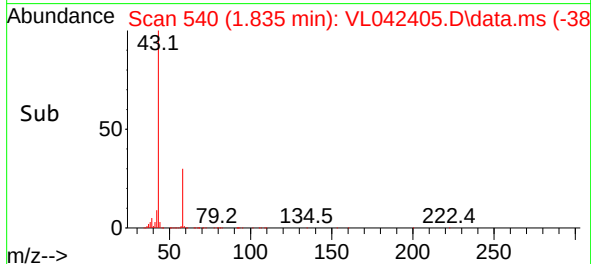
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 98703
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6

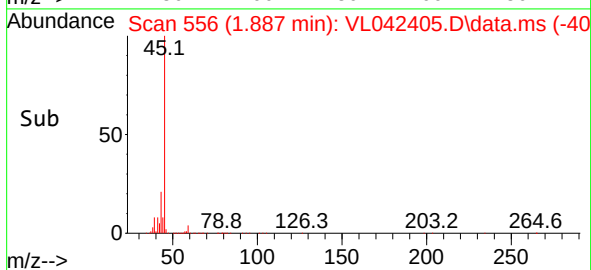
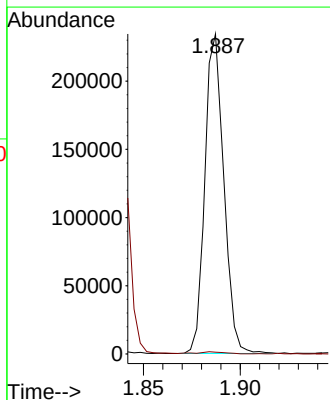
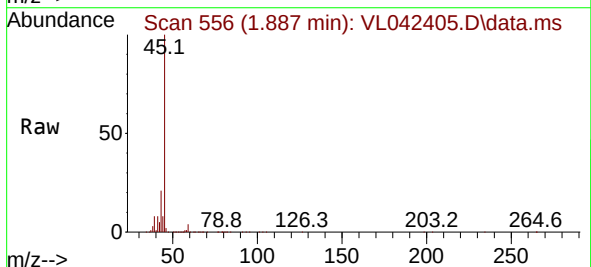
Manual Integrations
APPROVED

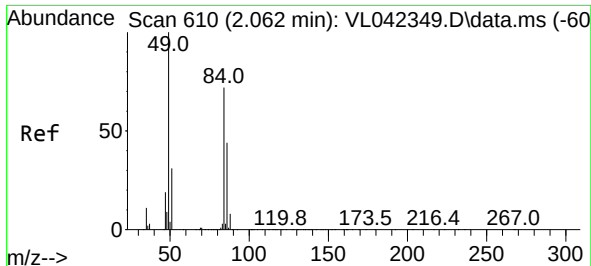
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#19
Isopropyl Alcohol
Concen: 13.856 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

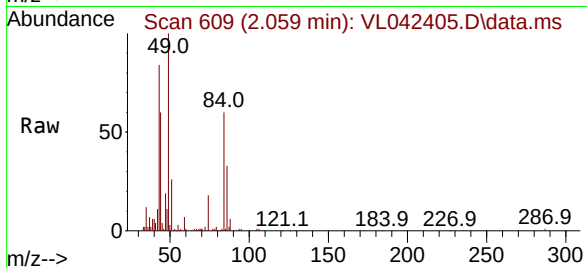
Tgt Ion: 45 Resp: 159355
Ion Ratio Lower Upper
45 100
58 176.6 34.5 51.7#





#20
Methylene Chloride
Concen: 0.913 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

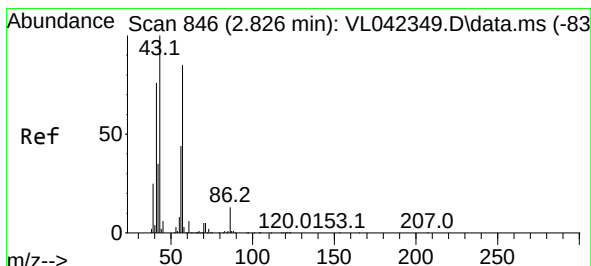
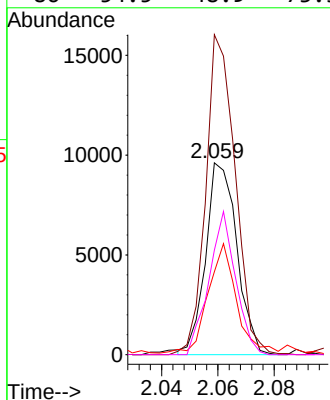
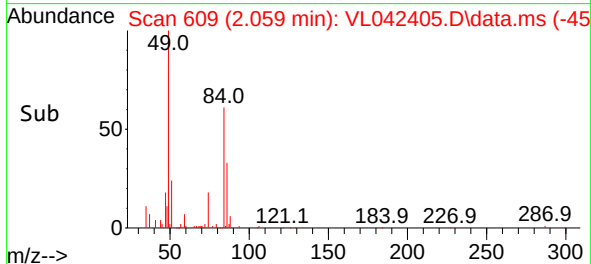
Instrument :
MSVOA_L
ClientSampleId :
IA1



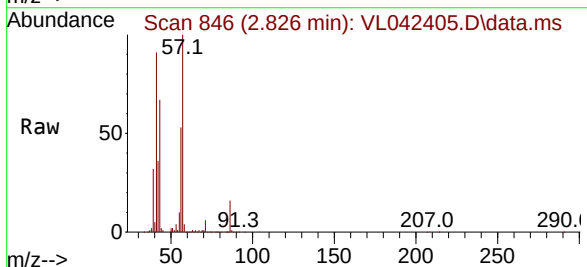
Tgt Ion: 84 Resp: 7400
Ion Ratio Lower Upper
84 100
49 166.2 111.6 167.4
51 41.4 35.1 52.7
86 54.5 48.9 73.3

Manual Integrations
APPROVED

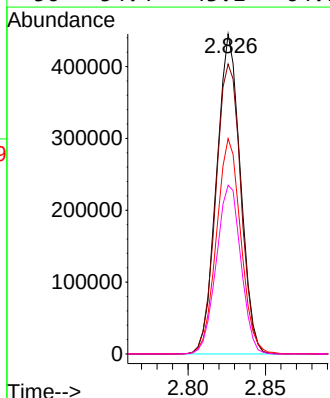
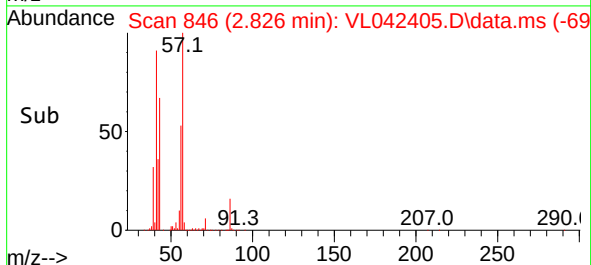
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

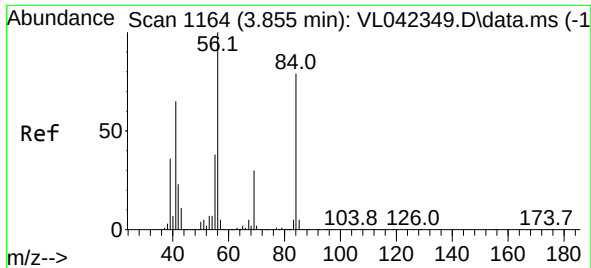


#26
Hexane
Concen: 23.097 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18



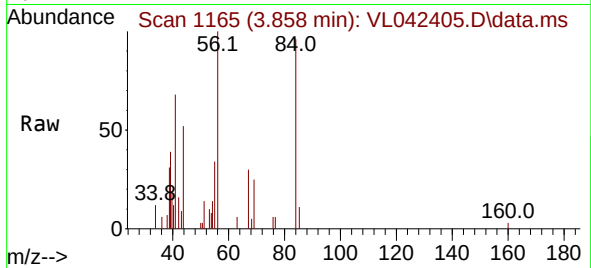
Tgt Ion: 57 Resp: 477107
Ion Ratio Lower Upper
57 100
41 95.3 77.9 116.9
43 68.8 208.4 312.6#
56 54.4 43.1 64.7





#30
Cyclohexane
Concen: 0.137 ppbv m
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

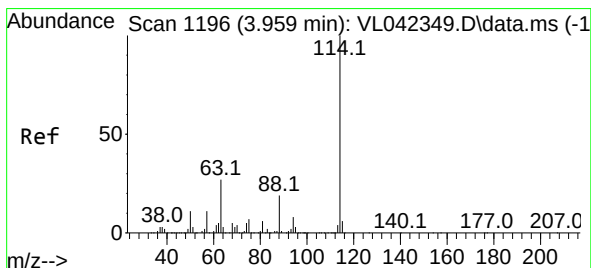
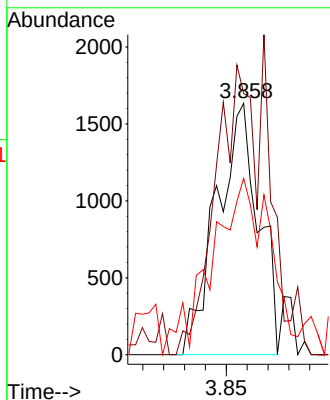
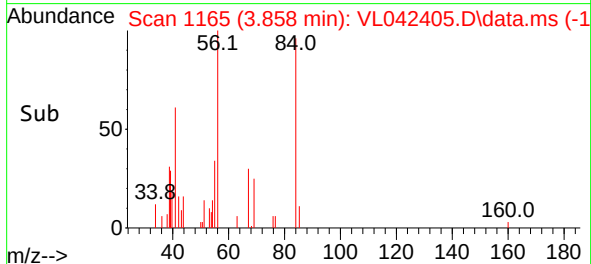
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 228
Ion Ratio Lower Upper
84 100
56 0.0 101.0 151.4
41 110.7 67.4 101.0

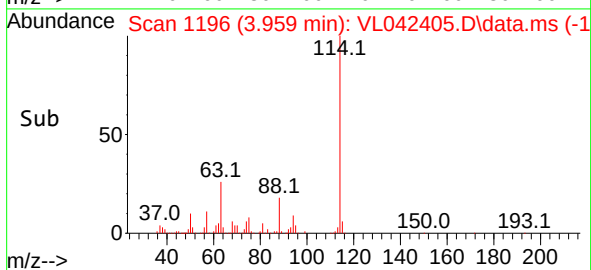
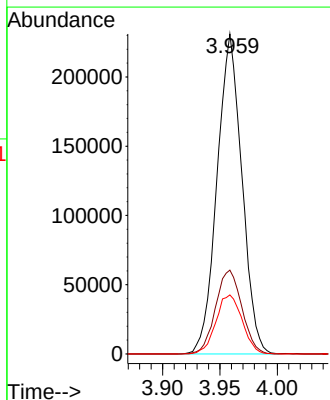
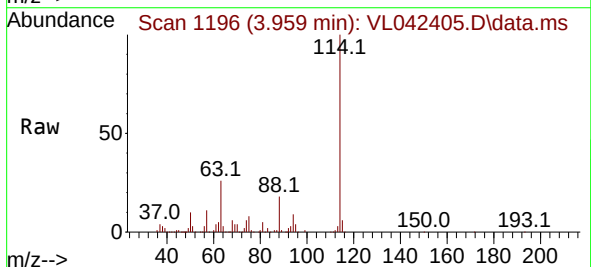
Manual Integrations
APPROVED

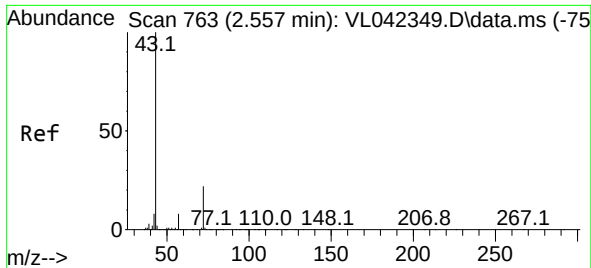
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

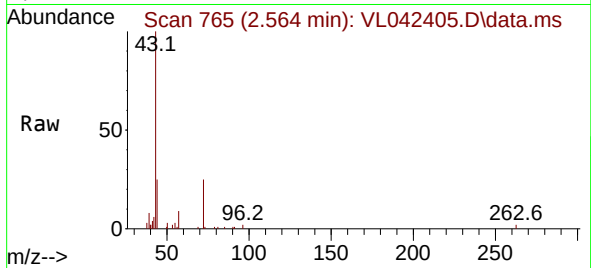
Tgt Ion:114 Resp: 348043
Ion Ratio Lower Upper
114 100
63 27.8 21.8 32.6
88 19.5 15.5 23.3





#34
2-Butanone
Concen: 0.261 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

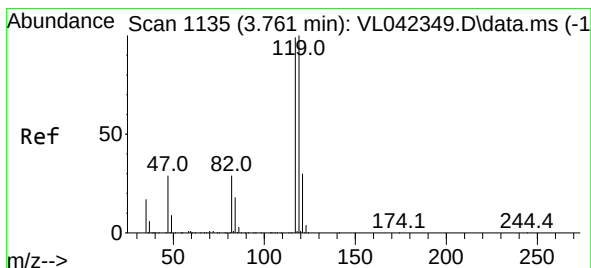
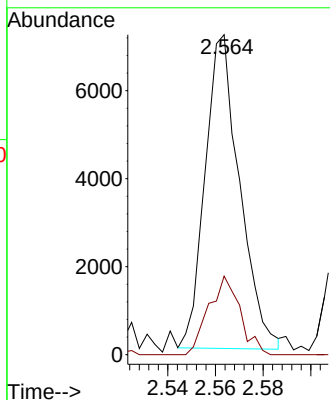
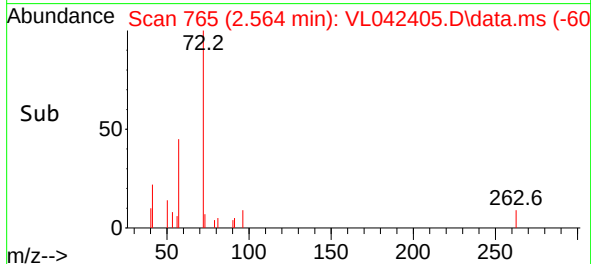
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2

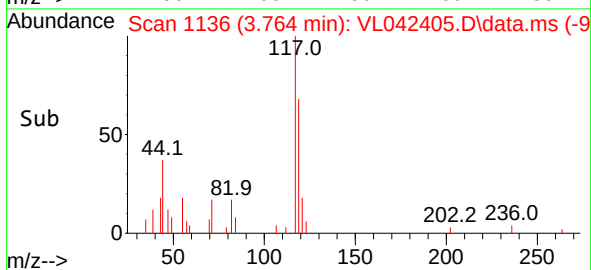
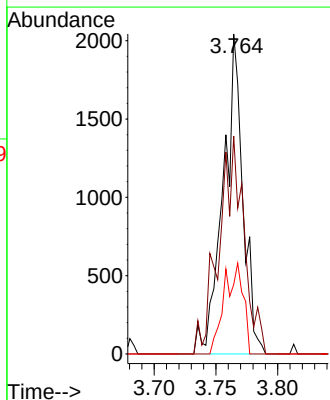
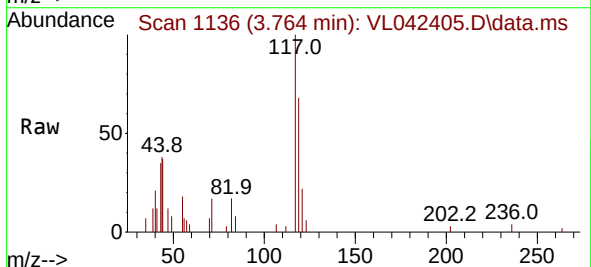
Manual Integrations
APPROVED

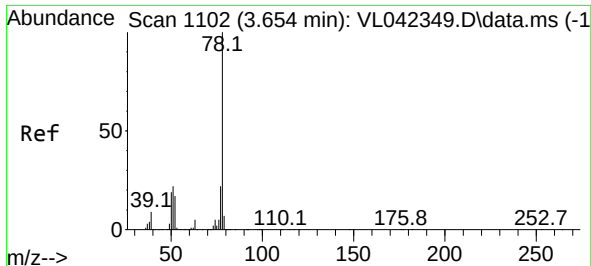
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.764 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

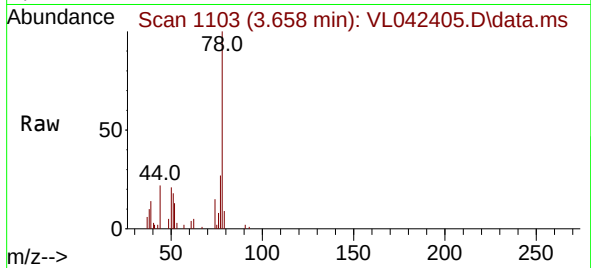
Tgt Ion:117 Resp: 2278
Ion Ratio Lower Upper
117 100
119 68.1 80.5 120.7#
121 21.7 24.2 36.2#





#36
Benzene
Concen: 0.184 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

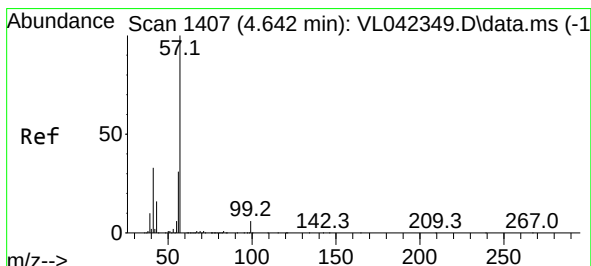
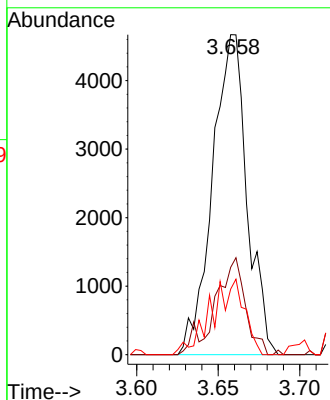
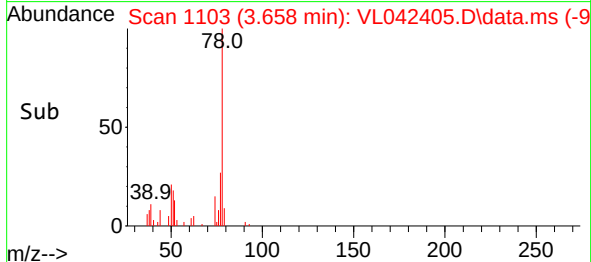
Instrument :
MSVOA_L
ClientSampleId :
IA1



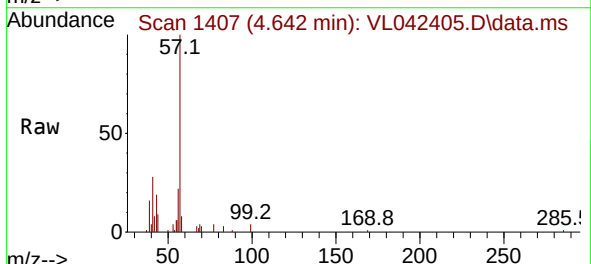
Tgt Ion: 78 Resp: 6904
Ion Ratio Lower Upper
78 100
77 27.3 17.4 26.0
50 20.5 15.5 23.3

Manual Integrations
APPROVED

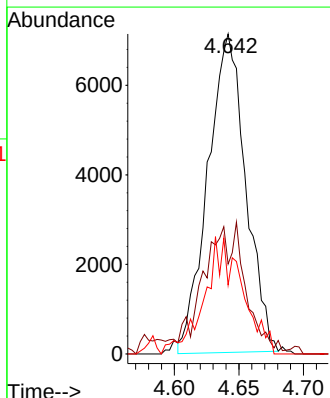
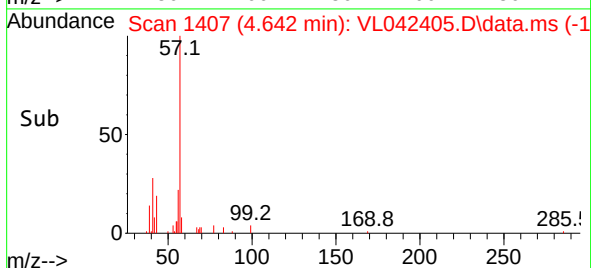
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

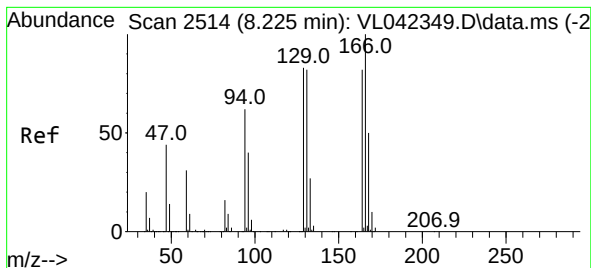


#44
2,2,4-Trimethylpentane
Concen: 0.224 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18



Tgt Ion: 57 Resp: 14523
Ion Ratio Lower Upper
57 100
41 49.5 27.2 40.8
56 38.1 25.7 38.5





#52

Tetrachloroethene

Concen: 0.070 ppbv m

RT: 8.215 min Scan# 2115

Delta R.T. -0.010 min

Lab File: VL042405.D

Acq: 21 Apr 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

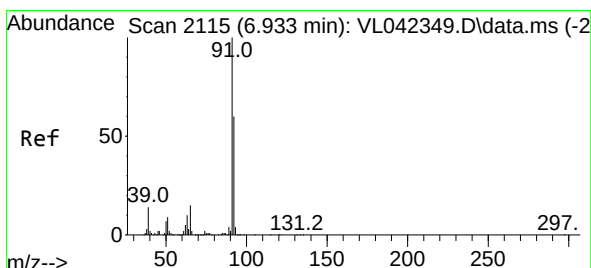
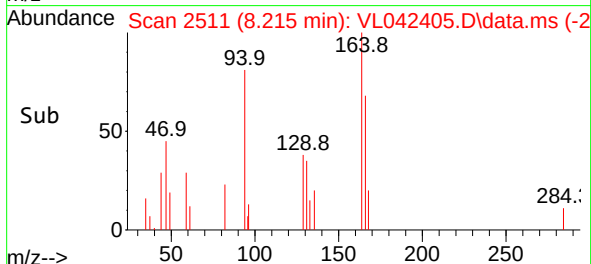
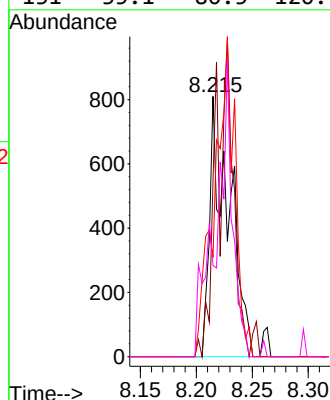
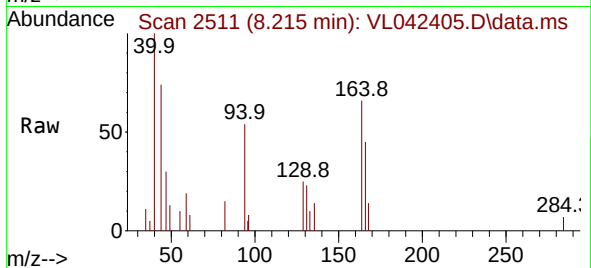
IA1

Tgt Ion:	164	Resp:	101
Ion	Ratio	Lower	Upper
164	100		
166	67.5	98.2	147.2
129	38.1	81.8	122.8
131	35.1	80.5	120.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#53

Toluene

Concen: 0.483 ppbv

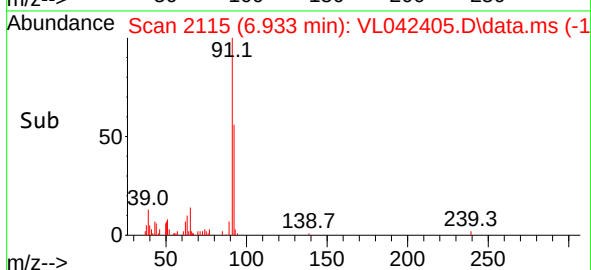
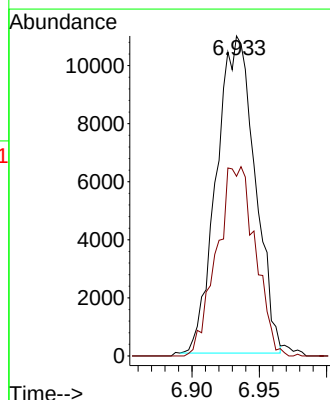
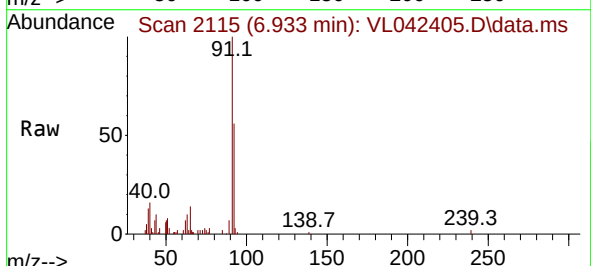
RT: 6.933 min Scan# 2115

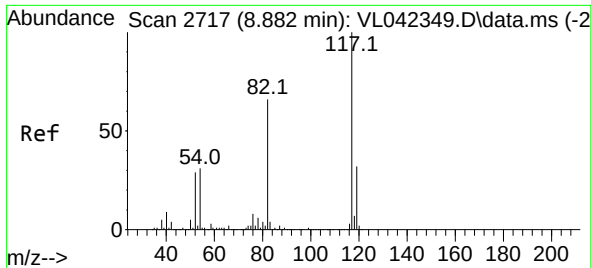
Delta R.T. 0.000 min

Lab File: VL042405.D

Acq: 21 Apr 2025 15:18

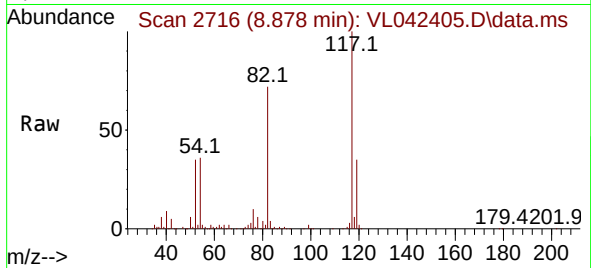
Tgt Ion:	91	Resp:	21738
Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

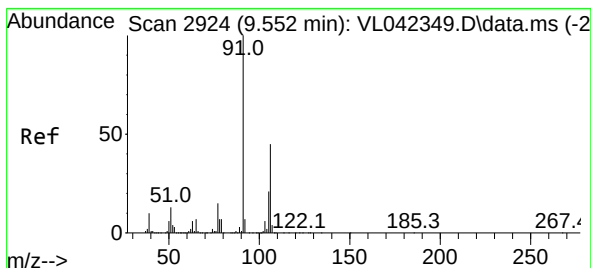
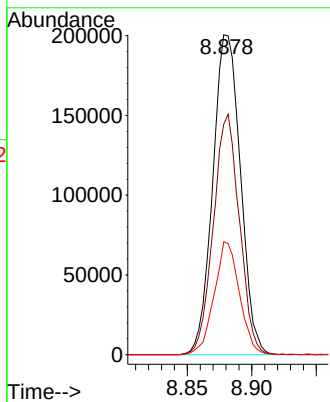
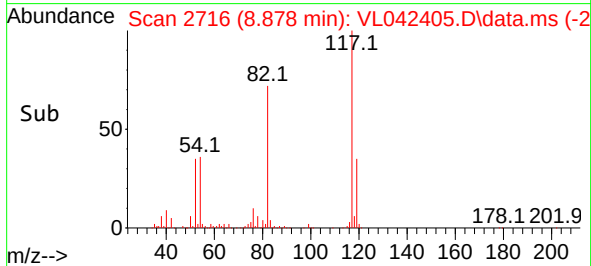
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:117 Resp: 29893
Ion Ratio Lower Upper
117 100
82 70.7 57.8 86.6
119 32.3 25.2 37.8

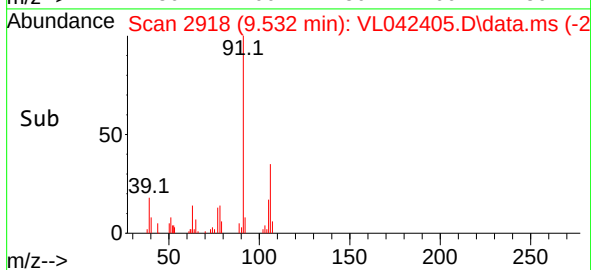
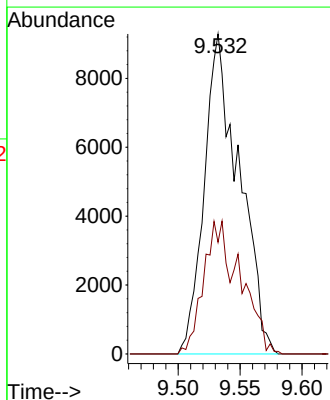
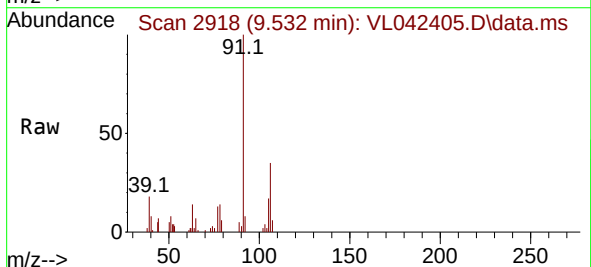
Manual Integrations
APPROVED

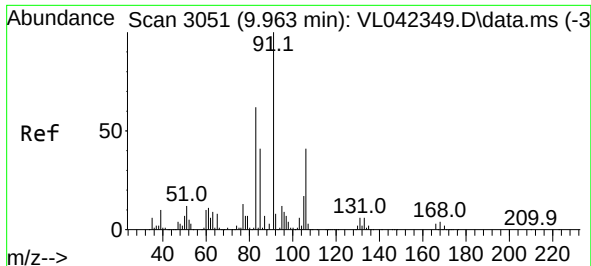
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#59
m/p-Xylene
Concen: 0.382 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.019 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

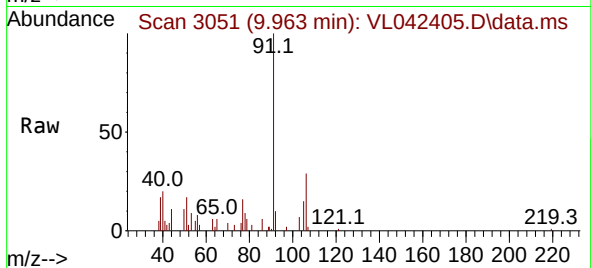
Tgt Ion: 91 Resp: 18242
Ion Ratio Lower Upper
91 100
106 43.7 35.4 53.2





#60
o-Xylene
Concen: 0.120 ppbv m
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18

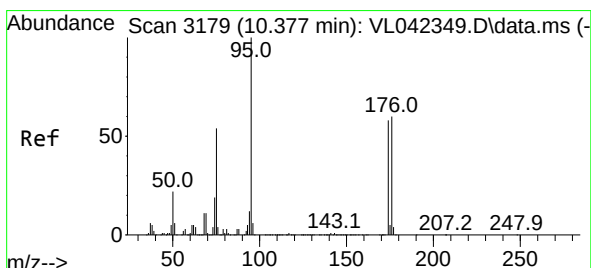
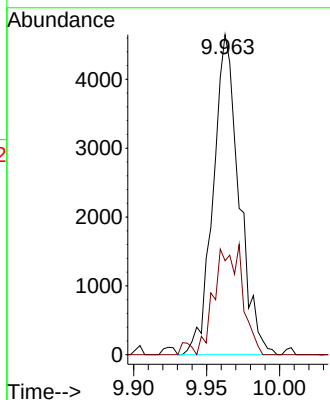
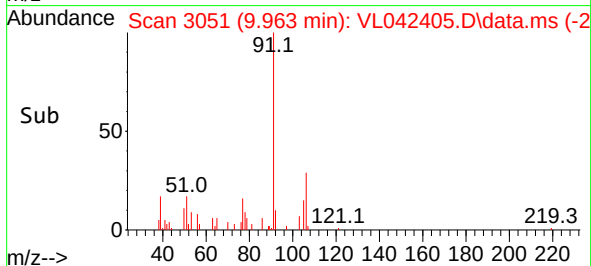
Instrument :
MSVOA_L
ClientSampleId :
IA1



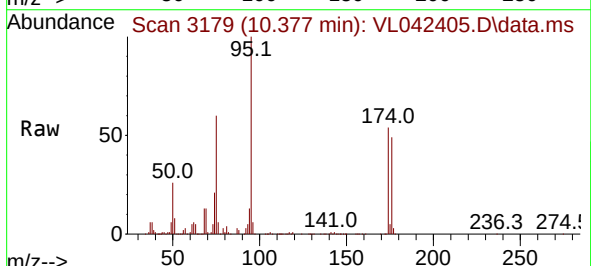
Tgt Ion: 91 Resp: 5744
Ion Ratio Lower Upper
91 100
106 38.0 21.1 63.4

Manual Integrations
APPROVED

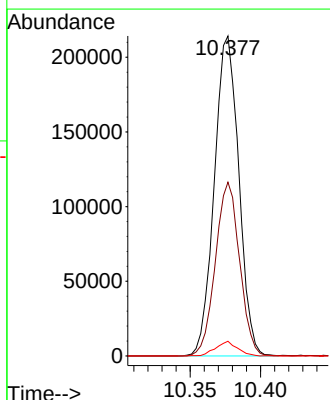
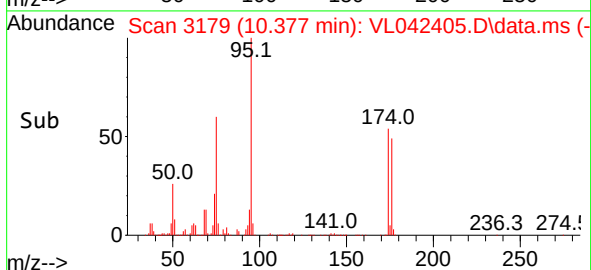
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.567 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042405.D
Acq: 21 Apr 2025 15:18



Tgt Ion: 95 Resp: 259568
Ion Ratio Lower Upper
95 100
174 53.6 48.5 72.7
175 4.1 3.7 5.5





CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01
 Lab Code: CHEM Case No.: Q1843 SAS No.: Q1843 SDG No.: Q1843
 Instrument ID: MSVOA_L Calibration Date(s): 04/17/2025 04/17/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:44 12:54
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:		RRF010 = VL042349.D		RRF002 = VL042350.D		RRF001 = VL042351.D		
		RRF0.5 = VL042352.D		RRF0.1 = VL042353.D		RRF.03 = VL042354.D		
COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	RRF	% RSD
Vinyl Chloride	0.638	0.689	0.709	0.731	0.911	1.002	0.761	18.4
1,1-Dichloroethane	1.284	1.383	1.469	1.452			1.388	5.4
cis-1,2-Dichloroethene	1.459	1.593	1.603	1.588			1.553	3.9
1,1,1-Trichloroethane	2.274	2.493	2.549	2.557	2.840	3.110	2.599	11
Trichloroethene	0.395	0.447	0.448	0.443	0.505	0.643	0.471	17.6
Tetrachloroethene	0.357	0.391	0.393	0.420	0.452	0.543	0.417	15.5
1-Bromo-4-Fluorobenzene	0.831	0.822	0.818	0.824	0.814	0.819	0.822	0.7

* 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 : VL041725AIR.M

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

Last Update : Fri Apr 18 02:14:00 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042354.D 0.1 =VL042353.D 0.5 =VL042352.D 1 =VL042351.D 2 =VL042350.D 10 =VL042349.D 15 =VL042355.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.831	1.837	1.827	1.658	1.682	1.767	5.05
3) Chlorodifluoro...			1.876	1.657	1.698	1.573	1.608	1.682	7.01
4) Chloromethane			0.752	0.725	0.701	0.652	0.665	0.699	5.93
5) T Vinyl Chloride	1.002	0.911	0.731	0.709	0.689	0.638	0.647	0.761	18.39
6) T Bromomethane			0.397	0.330	0.300	0.304	0.303	0.327	12.56
7) Chloroethane			0.303	0.287	0.280	0.253	0.255	0.275	7.76
8) T Dichlorotetra...			1.556	1.550	1.581	1.432	1.465	1.517	4.25
9) T Propene			0.880	0.797	0.758	0.690	0.707	0.766	9.95
10) T Heptane			2.444	2.296	2.209	1.884	1.931	2.153	11.14
11) T Trichlorofluor...			1.684	1.806	1.746	1.567	1.597	1.680	5.95
12) T 1,1,2-Trichlor...			1.389	1.439	1.437	1.281	1.323	1.374	5.11
13) Ethanol			0.275	0.139	0.123	0.035	0.036	0.122	80.54
14) T Bromoethene			0.537	0.545	0.530	0.490	0.487	0.518	5.24
15) T Acetone			1.968	1.895	1.743	1.263	1.316	1.637	20.03
16) T 1,3-Butadiene			1.015	0.836	0.735	0.651	0.678	0.783	18.90
17) tert-Butyl alc...			2.263	2.132	2.103	1.804	1.841	2.029	9.76
18) T 1,1-Dichloroet...			0.735	0.635	0.637	0.583	0.618	0.642	8.79
19) T Isopropyl Alcohol			1.050	0.980	0.897	0.821	0.798	0.909	11.66
20) T Methylene Chlo...			0.875	0.728	0.582	0.498	0.523	0.641	24.71
21) T Allyl Chloride			1.276	1.213	1.110	0.973	1.080	1.130	10.44
22) T trans-1,2-Dich...			0.814	0.759	0.736	0.664	0.681	0.731	8.32
23) T Vinyl Acetate			0.656	0.744	0.749	0.555	0.610	0.663	12.72
24) T 1,1-Dichloroet...			1.452	1.469	1.383	1.284	1.352	1.388	5.43
25) T Ethyl Acetate			4.428	4.147	4.118	3.677	3.812	4.036	7.34
26) T Hexane			1.899	1.719	1.625	1.424	1.499	1.633	11.45
27) T Carbon Disulfide			1.903	1.670	1.785	1.668	1.718	1.749	5.63
28) T Methyl tert-Bu...			1.134	1.141	1.132	0.940	1.004	1.070	8.64
29) T Chloroform			2.458	2.333	2.392	2.145	2.215	2.309	5.54
30) T Cyclohexane			1.422	1.333	1.347	1.252	1.249	1.320	5.50
31) T cis-1,2-Dichlo...			1.588	1.603	1.593	1.459	1.522	1.553	3.95
32) T 1,1,1-Trichlor...	3.110	2.840	2.557	2.549	2.493	2.274	2.369	2.599	11.03

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.886	0.826	0.818	0.687	0.737	0.791	9.94
35) T Carbon Tetrach...	1.319	0.914	0.832	0.830	0.847	0.770	0.823	0.905	20.70
36) T Benzene			1.146	1.075	1.121	1.002	1.048	1.079	5.31
37) T 1,2-Dichloroet...			0.691	0.647	0.666	0.592	0.641	0.647	5.63
38) T Trichloroethene	0.643	0.505	0.443	0.448	0.447	0.395	0.419	0.471	17.59
39) T 1,2-Dichloropr...			0.441	0.413	0.405	0.370	0.381	0.402	6.97

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL041725AIR.M										
40) T	1,4-Dioxane			0.263	0.243	0.232	0.182	0.185	0.221	16.27
41) T	Tetrahydrofuran			0.518	0.480	0.468	0.409	0.432	0.461	9.20
42) T	Bromodichlorom...			0.943	0.909	0.912	0.852	0.889	0.901	3.71
43) T	Methyl Methacr...			0.545	0.520	0.495	0.430	0.441	0.486	10.21
44) T	2,2,4-Trimethy...			1.935	1.916	1.962	1.708	1.794	1.863	5.79
45) T	t-1,3-Dichloro...			0.514	0.510	0.509	0.459	0.491	0.497	4.60
46) T	cis-1,3-Dichlo...			0.613	0.617	0.637	0.570	0.603	0.608	4.05
47) T	1,1,2-Trichlor...			0.423	0.429	0.420	0.376	0.399	0.410	5.32
48) T	Dibromochlorom...			0.743	0.721	0.746	0.679	0.729	0.723	3.70
49) T	Bromoform			0.622	0.623	0.675	0.616	0.627	0.633	3.82
50) T	4-Methyl-2-Pen...			1.541	1.382	1.435	1.082	1.132	1.314	15.12
51) T	2-Hexanone			1.341	1.311	1.411	0.893	0.938	1.179	20.69
52) T	Tetrachloroethene	0.543	0.452	0.420	0.393	0.391	0.357	0.363	0.417	15.46
53) T	Toluene			1.371	1.295	1.370	1.193	1.244	1.294	6.03
54) T	1,2-Dibromoethane		0.621	0.582	0.605	0.606	0.539	0.562	0.586	5.27
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.621	0.640	0.635	0.550	0.581	0.605	6.37
57) T	Chlorobenzene			1.129	1.067	1.068	0.956	0.981	1.040	6.79
58) T	Ethyl Benzene			2.029	2.088	2.068	1.832	1.890	1.981	5.73
59) T	m/p-Xylene			1.685	1.682	1.658	1.456	1.500	1.596	6.86
60) T	o-Xylene			1.740	1.697	1.668	1.442	1.490	1.607	8.25
61) T	Styrene			0.792	0.776	0.808	0.726	0.734	0.767	4.68
62) T	Isopropylbenzene			2.517	2.470	2.439	2.170	2.202	2.360	6.83
63) T	1,1,2,2-Tetrac...	1.407	1.176	0.990	0.985	0.968	0.873	0.892	1.042	18.12
64) T	n-propylbenzene			0.645	0.605	0.610	0.542	0.564	0.593	6.81
65) T	tert-Butylbenzene			2.319	2.358	2.315	1.907	1.945	2.169	10.27
66) T	Benzyl Chloride			0.241	0.239	0.258	0.246	0.208	0.238	7.84
67) T	sec-Butylbenzene			3.242	3.219	3.253	2.662	2.709	3.017	10.05
68) S	1-Bromo-4-Fluo...	0.819	0.814	0.824	0.818	0.822	0.831	0.825	0.822	0.69
69) T	p-Isopropyltol...			2.834	2.818	2.811	2.304	2.338	2.621	10.46
70) T	n-Butylbenzene			2.985	2.926	2.953	2.370	2.414	2.730	11.33
71) T	2-Chlorotoluene			1.972	1.924	1.920	1.695	1.744	1.851	6.65
72) T	4-Ethyltoluene			2.055	2.118	2.054	1.765	1.833	1.965	7.92
73) T	1,3,5-Trimethy...			1.894	1.851	1.841	1.517	1.570	1.735	10.19
74) T	1,2,4-Trimethy...			2.348	2.245	2.168	1.671	1.698	2.026	15.71
75) T	1,3-Dichlorobe...			1.119	1.121	1.119	0.948	0.960	1.053	8.64
76) T	1,4-Dichlorobe...			1.138	1.115	1.122	0.944	0.974	1.059	8.69
77) T	1,2-Dichlorobe...			1.085	1.093	1.114	0.904	0.924	1.024	9.88
78) T	Hexachloro-1,3...			1.163	1.136	1.135	0.863	0.874	1.034	14.66
79) T	Naphthalene		2.433	2.395	2.756	2.909	2.004	2.040	2.423	15.11
80) T	Naphthalene,2-...			1.311	1.534	1.777	1.115	1.168	1.381	19.88
81) T	1,2,4-Trichlor...			1.026	1.117	1.224	0.905	0.929	1.040	12.75

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042349.D
 Acq On : 17 Apr 2025 09:44
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:25:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	125455	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	366544	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	338126	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 281013 10.114 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	207962	9.382	ppbv	100
3) Chlorodifluoromethane	1.476	51	197334	9.350	ppbv	100
4) Chloromethane	1.531	50	81843	9.330	ppbv	100
5) Vinyl Chloride	1.580	62	80068	8.385	ppbv	100
6) Bromomethane	1.667	94	38128	9.219	ppbv	100
7) Chloroethane	1.703	64	31705	9.182	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	179696	9.442	ppbv	100
9) Propene	1.483	41	86530	9.002	ppbv	100
10) Heptane	4.978	43	236341	9.138	ppbv	100
11) Trichlorofluoromethane	1.877	101	196596	9.327	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	160682	9.323	ppbv	100
13) Ethanol	1.719	45	4439	5.651	ppbv	100
14) Bromoethene	1.780	108	61493	9.466	ppbv	100
15) Acetone	1.835	43	158490	7.717	ppbv	100
16) 1,3-Butadiene	1.609	39	81688	8.470	ppbv	100
17) tert-Butyl alcohol	2.039	59	226280	8.891	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73186	8.833	ppbv	100
19) Isopropyl Alcohol	1.884	45	103029	9.031	ppbv	100
20) Methylene Chloride	2.062	84	62414	7.760	ppbv	100
21) Allyl Chloride	2.094	41	122115	8.611	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	83278	9.084	ppbv	100
23) Vinyl Acetate	2.460	43	69649	8.378	ppbv	100
24) 1,1-Dichloroethane	2.408	63	161102	9.251	ppbv	100
25) Ethyl Acetate	2.836	43	461315	9.110	ppbv	100
26) Hexane	2.826	57	178691	8.720	ppbv	100
27) Carbon Disulfide	2.149	76	209297	9.539	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	117924	8.783	ppbv	100
29) Chloroform	2.848	83	269088	9.290	ppbv	100
30) Cyclohexane	3.855	84	157035	9.517	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	183082	9.397	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	285336	9.187	ppbv	100
34) 2-Butanone	2.557	43	251704	8.683	ppbv	100
35) Carbon Tetrachloride	3.761	117	282402	8.513	ppbv	100
36) Benzene	3.654	78	367355	9.292	ppbv	100
37) 1,2-Dichloroethane	3.217	62	216999	9.145	ppbv	100
38) Trichloroethene	4.548	130	144767	8.352	ppbv	100
39) 1,2-Dichloropropane	4.311	63	135605	9.197	ppbv	100
40) 1,4-Dioxane	4.580	88	66662	8.348	ppbv #	100
41) Tetrahydrofuran	3.052	42	149905	8.950	ppbv	100
42) Bromodichloromethane	4.489	83	312268	9.456	ppbv	100
43) Methyl Methacrylate	4.881	69	157501	8.876	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	626085	9.157	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	168223	9.233	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042349.D
 Acq On : 17 Apr 2025 09:44
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:25:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	208811	9.377	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	137898	9.181	ppbv	100
48) Dibromochloromethane	7.386	129	248954	9.388	ppbv	100
49) Bromoform	9.480	173	225706	9.734	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	396548	8.215	ppbv	100
51) 2-Hexanone	7.435	43	327165	7.511	ppbv	100
52) Tetrachloroethene	8.225	164	130720	8.553	ppbv	100
53) Toluene	6.933	91	437258	9.216	ppbv	100
54) 1,2-Dibromoethane	7.652	107	197665	9.235	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	186041	9.091	ppbv	100
57) Chlorobenzene	8.920	112	323084	9.187	ppbv	100
58) Ethyl Benzene	9.354	91	619581	9.248	ppbv	100
59) m/p-Xylene	9.552	91	984458m	18.187	ppbv	
60) o-Xylene	9.963	91	487616	8.972	ppbv	100
61) Styrene	9.869	104	245487	9.464	ppbv	100
62) Isopropylbenzene	10.539	105	733788	9.197	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	295041	8.355	ppbv	100
64) n-propylbenzene	10.989	120	183390	9.144	ppbv	100
65) tert-Butylbenzene	11.532	119	644953	8.795	ppbv	100
66) Benzyl Chloride	11.617	91	83269	10.333	ppbv	100
67) sec-Butylbenzene	11.769	105	900074	8.824	ppbv	100
69) p-Isopropyltoluene	11.927	119	778987	8.790	ppbv	100
70) n-Butylbenzene	12.283	91	801364	8.682	ppbv	100
71) 2-Chlorotoluene	10.901	91	573039	9.157	ppbv	100
72) 4-Ethyltoluene	11.125	105	596757	8.982	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	512855	8.743	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	565064	8.248	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	320380	8.997	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	319089	8.915	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	305822	8.832	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	291833	8.346	ppbv	100
79) Naphthalene	13.513	128	677578	8.271	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	376995	8.074	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	306119	8.702	ppbv	100

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

Manual Integrations

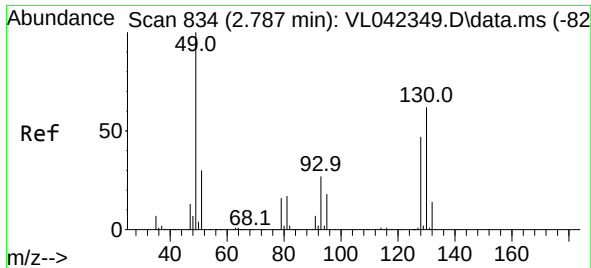
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

TIC: VL042349.D\data.ms

The chromatogram displays a complex mixture of compounds. Key peaks include:

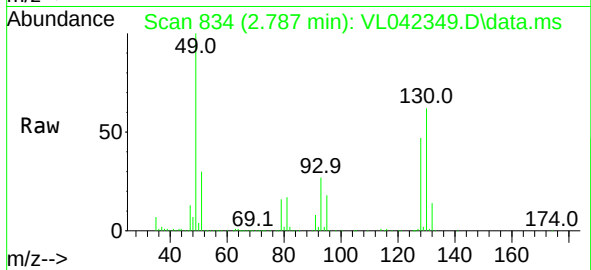
- Early Eluting Compounds (1-3 min):** Ethanol, Methanol, Acetone, Chloroform, Dichloromethane, Bromoform, Toluene, Benzene, and various chlorinated benzenes.
- Middle Eluting Compounds (4-8 min):** Hexachlorocyclopentadiene, Polychlorinated biphenyls (PCBs), and other aromatic hydrocarbons.
- Late Eluting Compounds (9-15 min):** Naphthalene, Anthracene, Phenanthrene, and higher molecular weight polycyclic aromatic hydrocarbons (PAHs).

The baseline shows significant noise and several small, unlabeled peaks throughout the run.



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

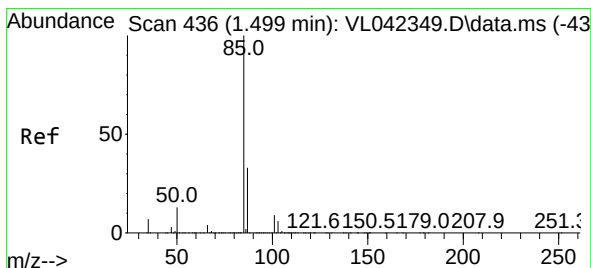
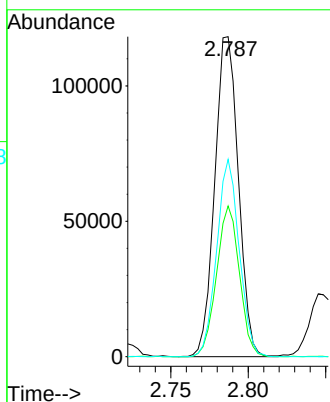
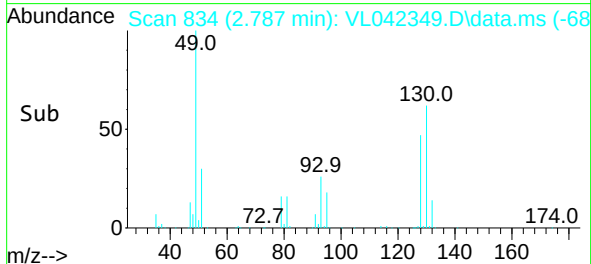
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



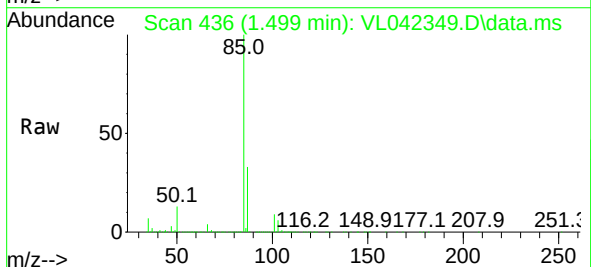
Tgt Ion: 49 Resp: 125458
Ion Ratio Lower Upper
49 100
128 45.6 22.8 68.4
130 58.7 29.3 88.0

Manual Integrations
APPROVED

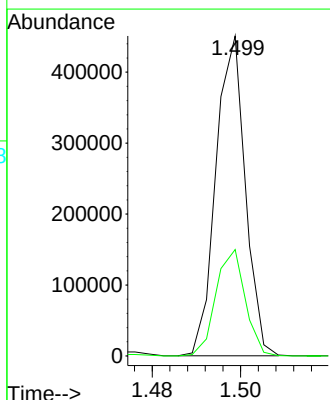
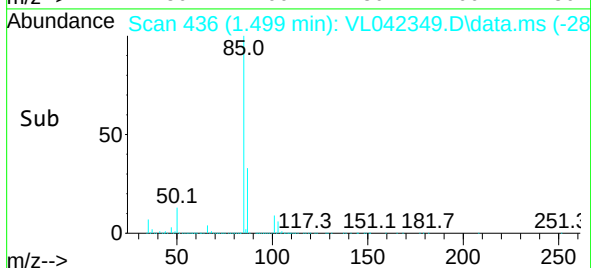
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

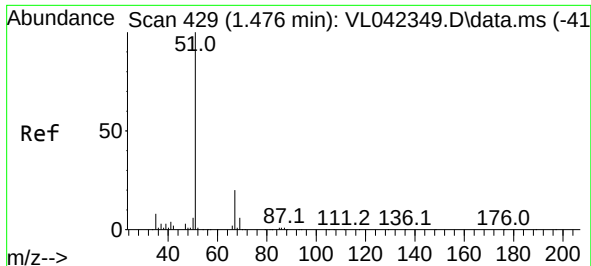


#2
Dichlorodifluoromethane
Concen: 9.382 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



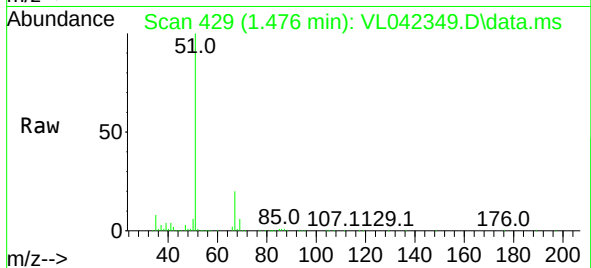
Tgt Ion: 85 Resp: 207962
Ion Ratio Lower Upper
85 100
87 33.2 26.6 39.8





#3
Chlorodifluoromethane
Concen: 9.350 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

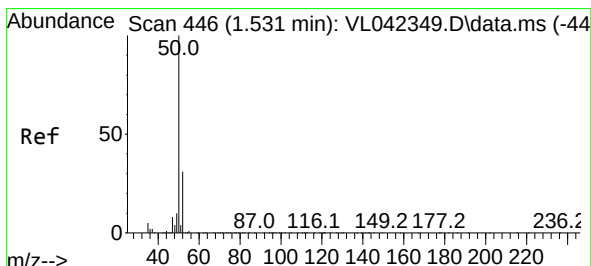
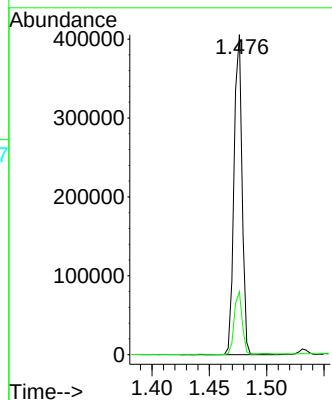
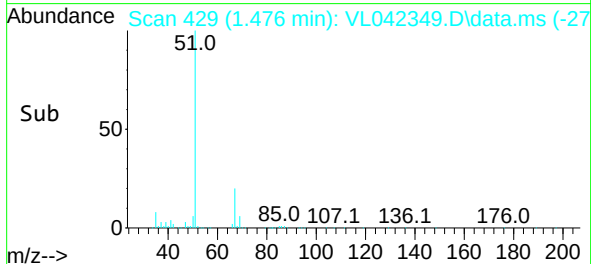
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



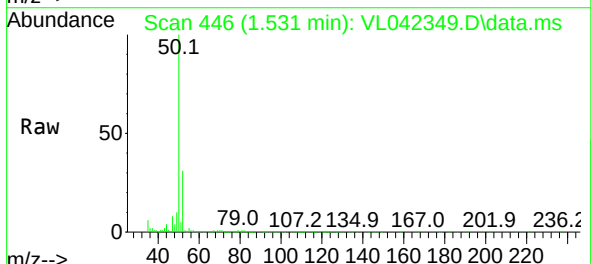
Tgt Ion: 51 Resp: 197334
Ion Ratio Lower Upper
51 100
67 20.3 16.2 24.4

Manual Integrations
APPROVED

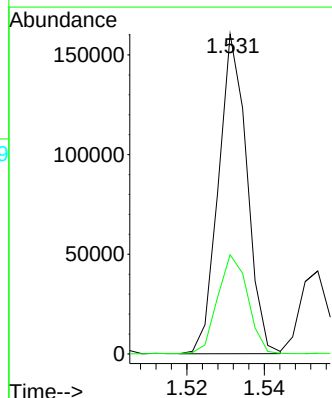
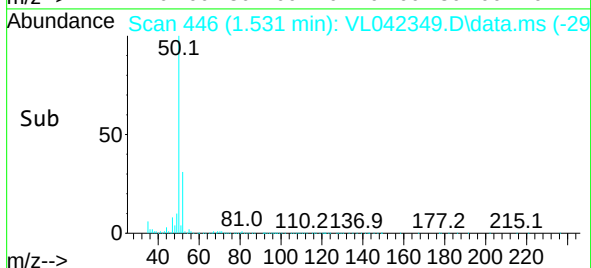
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

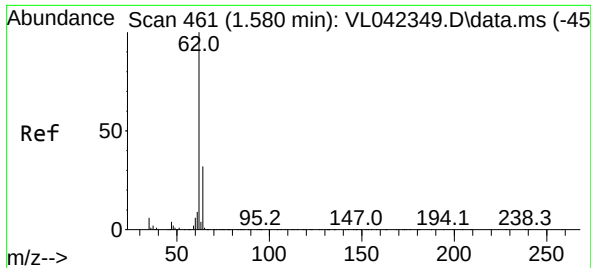


#4
Chloromethane
Concen: 9.330 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion: 50 Resp: 81843
Ion Ratio Lower Upper
50 100
52 30.9 24.7 37.1





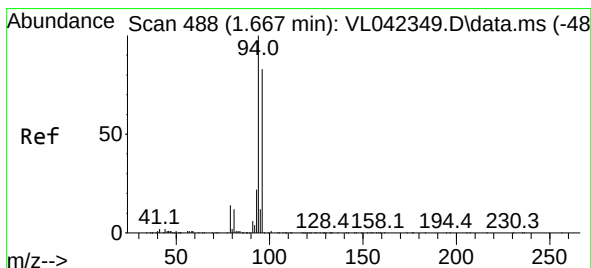
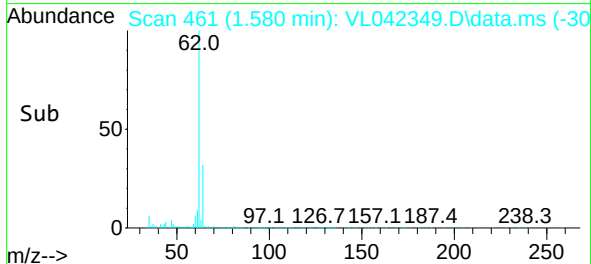
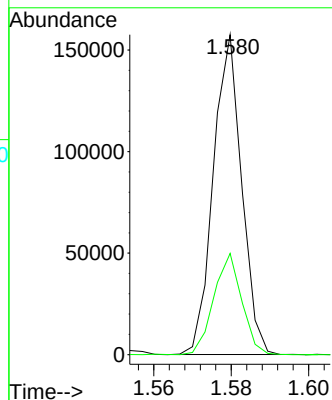
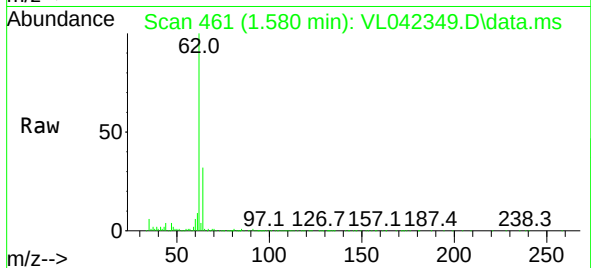
#5
 Vinyl Chloride
 Concen: 8.385 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 80068
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.0

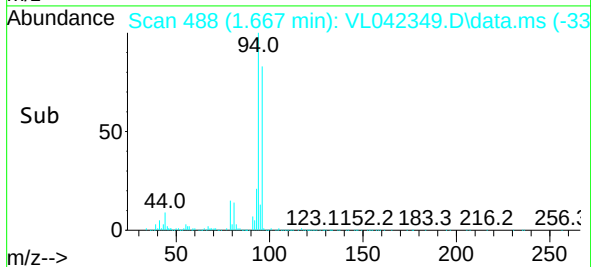
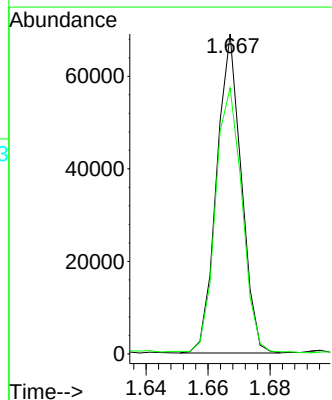
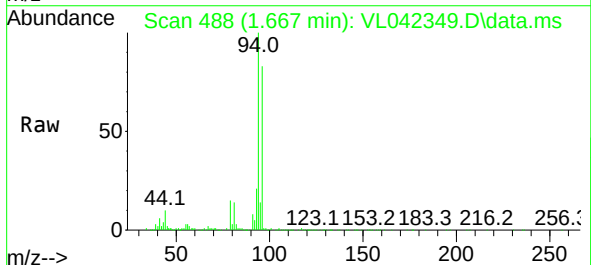
Manual Integrations
 APPROVED

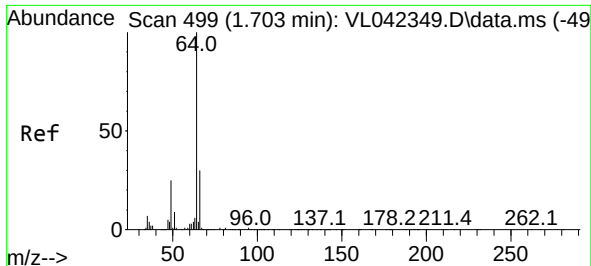
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 9.219 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

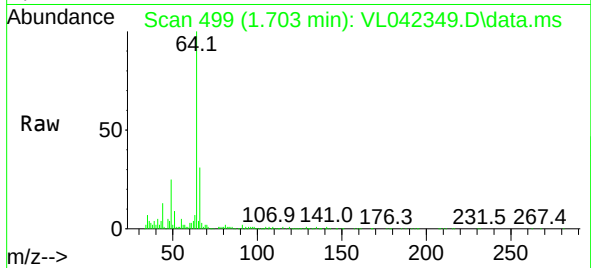
Tgt Ion: 94 Resp: 38128
 Ion Ratio Lower Upper
 94 100
 96 82.7 66.2 99.2





#7
Chloroethane
Concen: 9.182 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

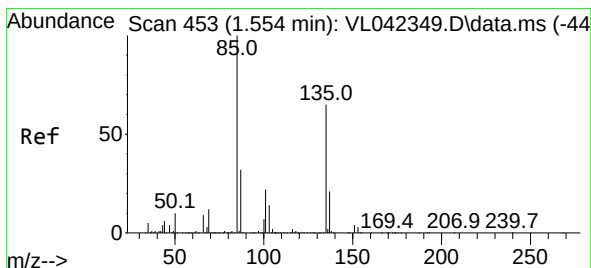
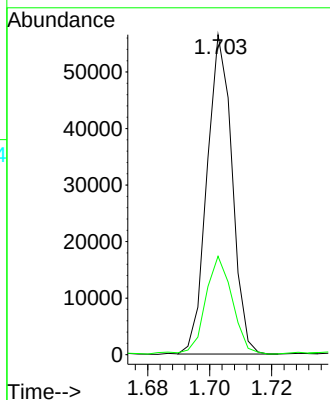
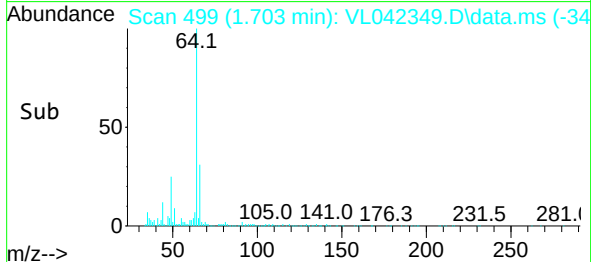
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 64 Resp: 3170
Ion Ratio Lower Upper
64 100
66 30.8 24.6 37.0

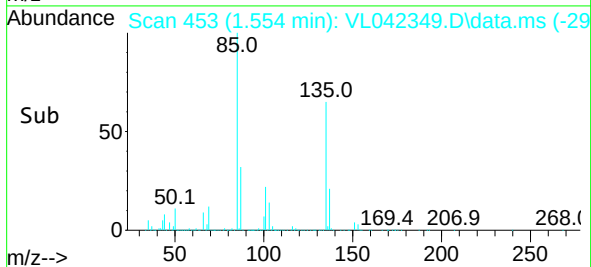
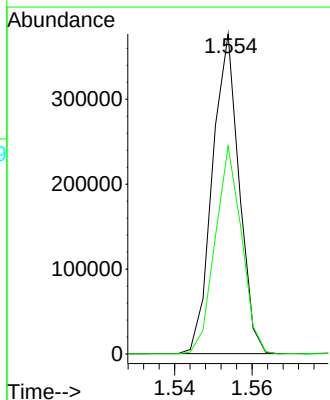
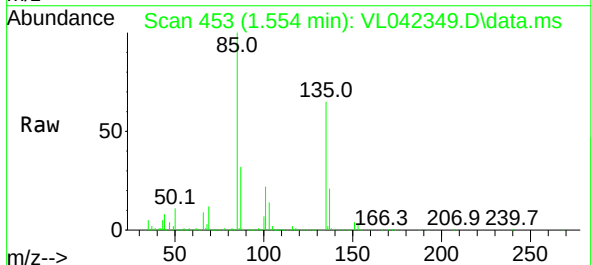
Manual Integrations
APPROVED

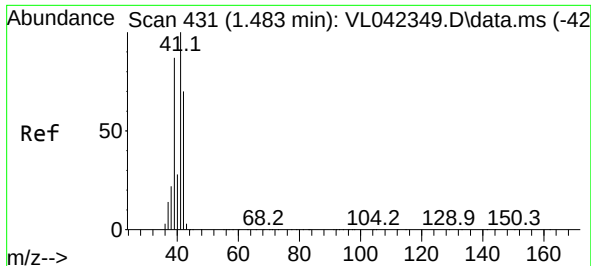
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#8
Dichlorotetrafluoroethane
Concen: 9.442 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

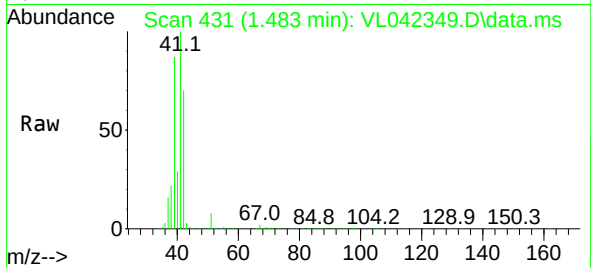
Tgt Ion: 85 Resp: 179696
Ion Ratio Lower Upper
85 100
135 65.2 52.2 78.2





#9
 Propene
 Concen: 9.002 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

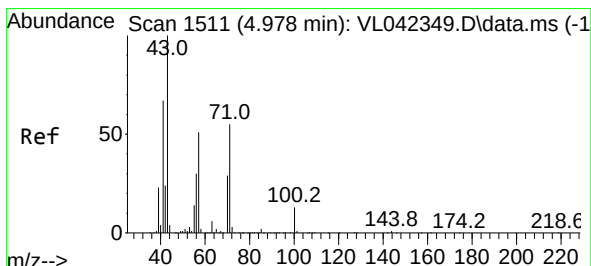
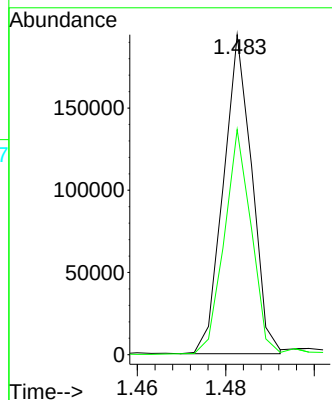
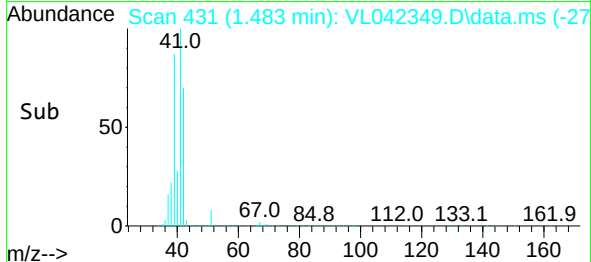
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



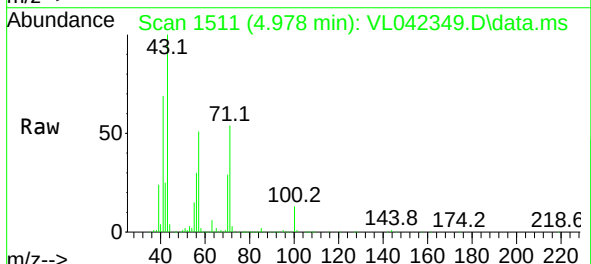
Tgt Ion: 41 Resp: 86530
 Ion Ratio Lower Upper
 41 100
 42 70.3 56.2 84.4

Manual Integrations
 APPROVED

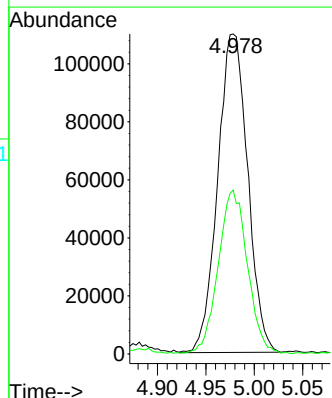
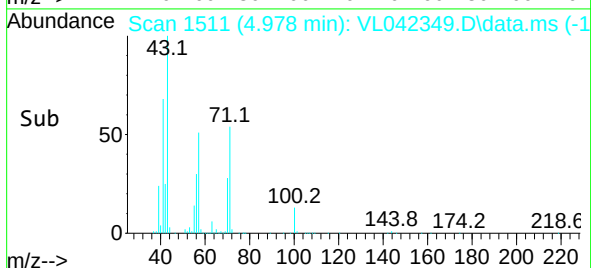
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

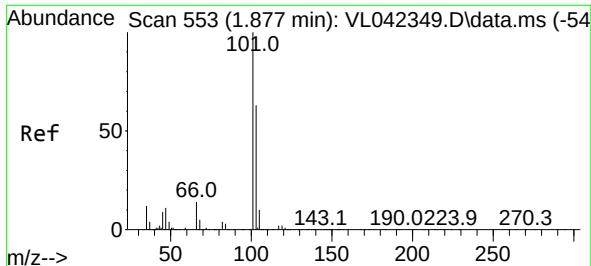


#10
 Heptane
 Concen: 9.138 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44



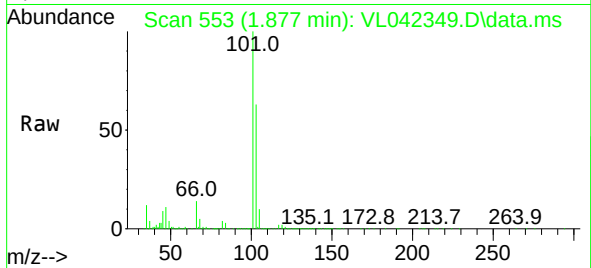
Tgt Ion: 43 Resp: 236341
 Ion Ratio Lower Upper
 43 100
 57 49.9 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 9.327 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

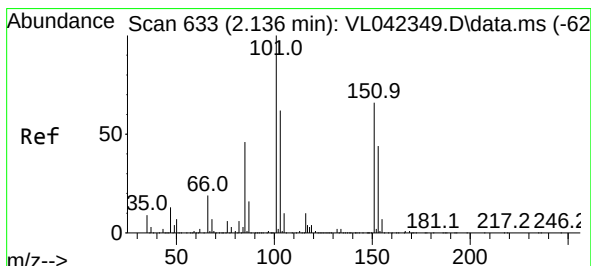
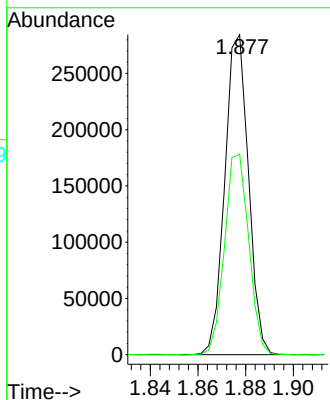
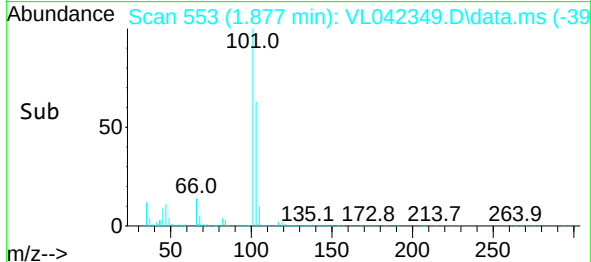
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



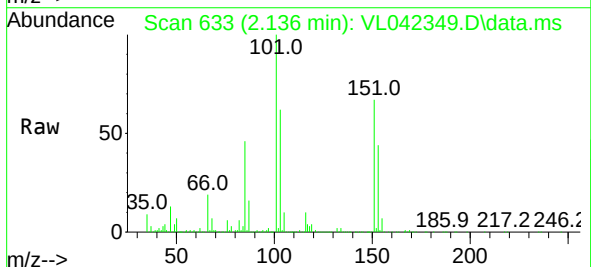
Tgt Ion:101 Resp: 196590
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.1 75.1

Manual Integrations
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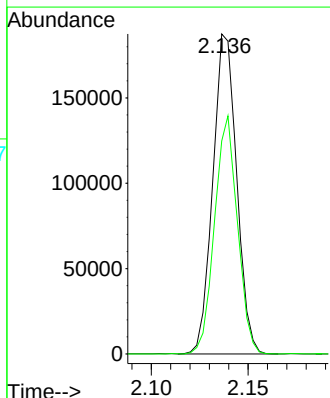
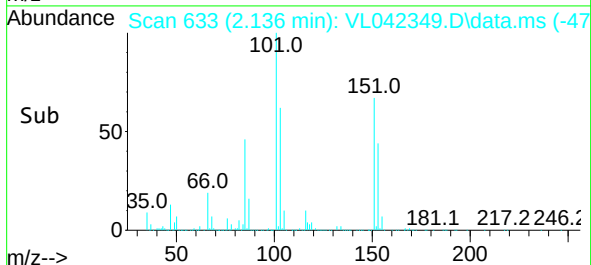
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

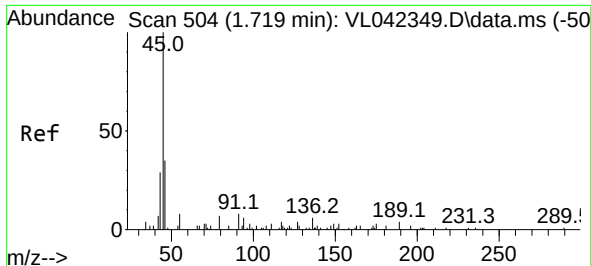


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.323 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44



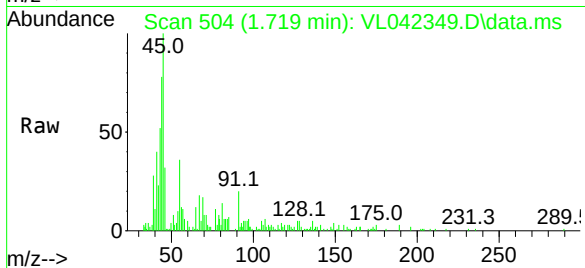
Tgt Ion:101 Resp: 160682
 Ion Ratio Lower Upper
 101 100
 151 71.3 57.0 85.6





#13
Ethanol
Concen: 5.651 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

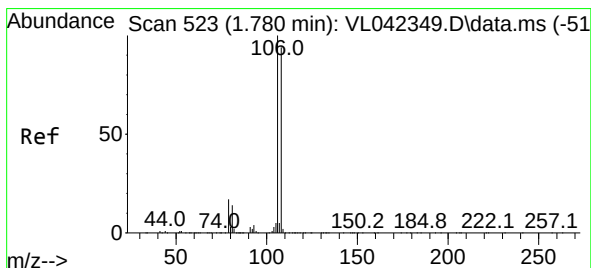
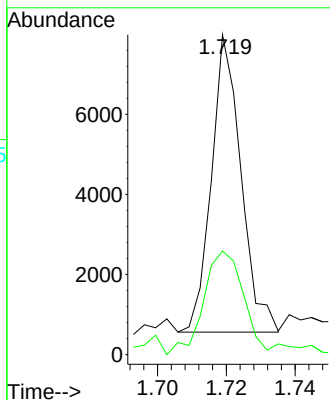
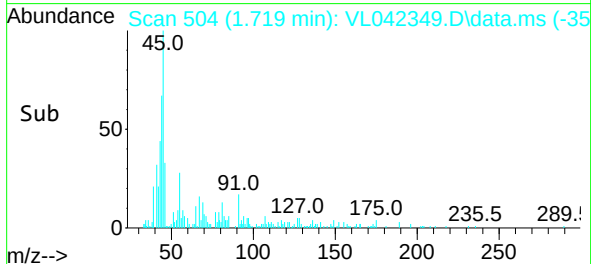
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



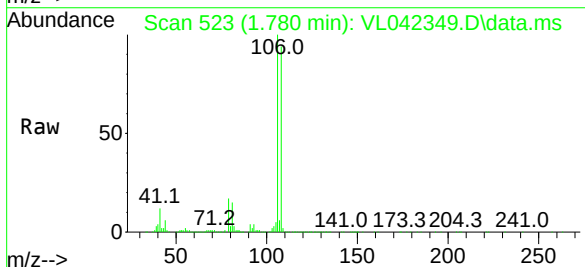
Tgt Ion: 45 Resp: 4439
Ion Ratio Lower Upper
45 100
46 54.8 21.9 87.7

Manual Integrations
APPROVED

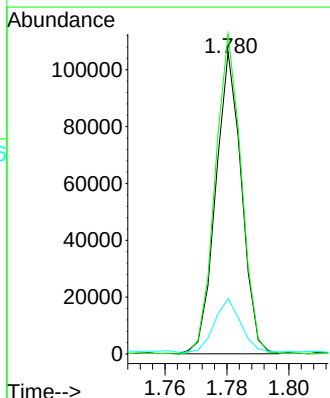
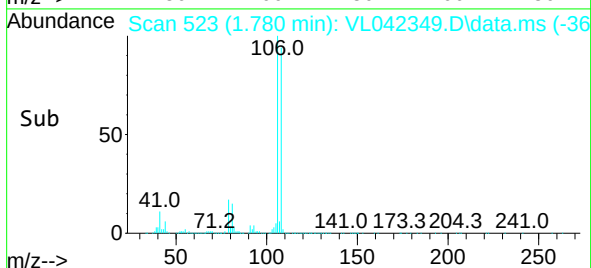
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

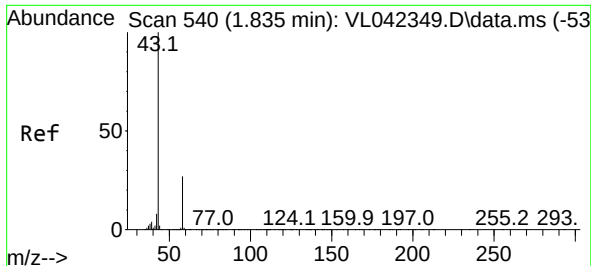


#14
Bromoethene
Concen: 9.466 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



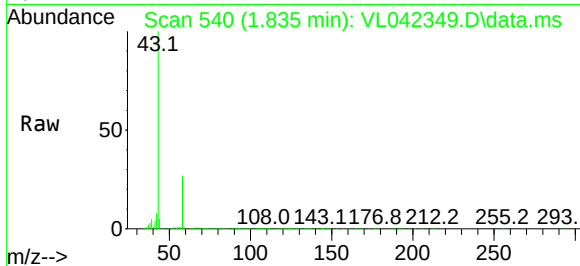
Tgt Ion:108 Resp: 61493
Ion Ratio Lower Upper
108 100
106 107.4 85.9 128.9
79 17.4 13.9 20.9





#15
Acetone
Concen: 7.717 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

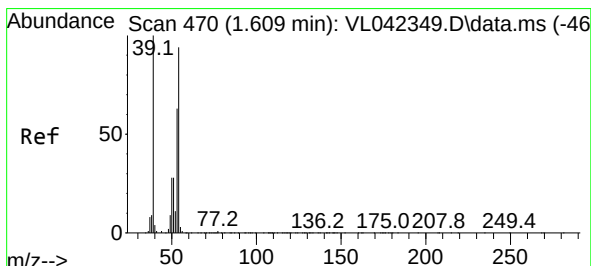
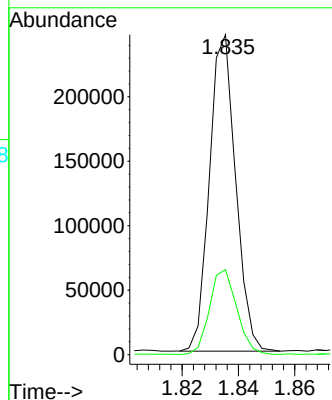
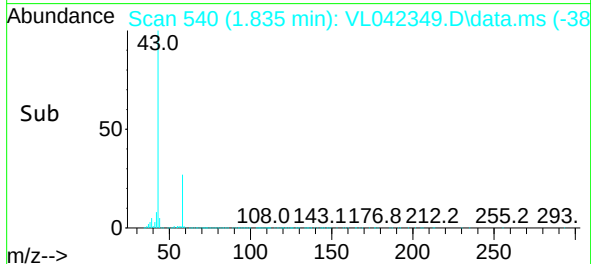
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 158490
Ion Ratio Lower Upper
43 100
58 28.0 22.4 33.6

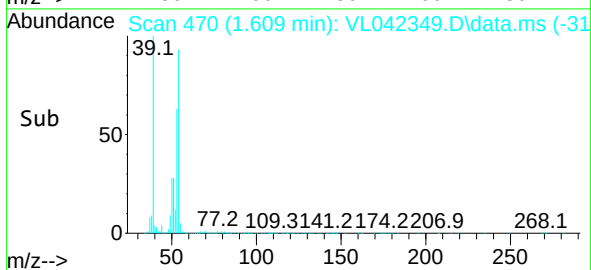
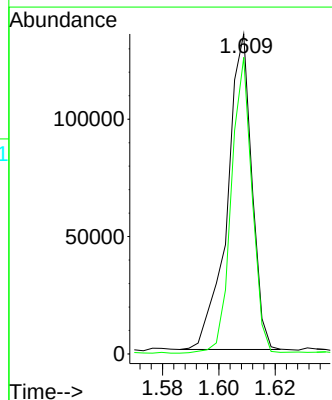
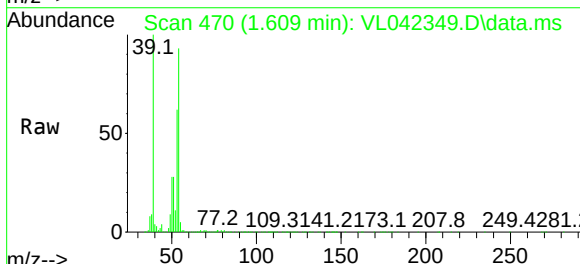
Manual Integrations
APPROVED

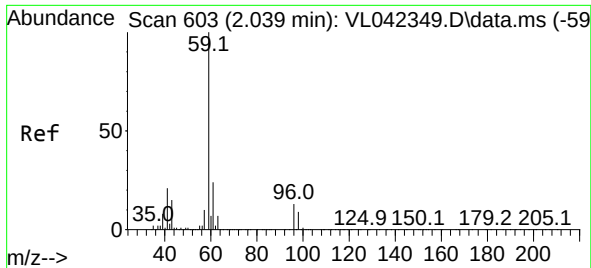
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#16
1,3-Butadiene
Concen: 8.470 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

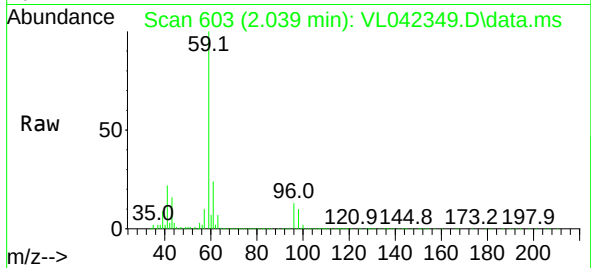
Tgt Ion: 39 Resp: 81688
Ion Ratio Lower Upper
39 100
54 81.1 64.9 97.3





#17
tert-Butyl alcohol
Concen: 8.891 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

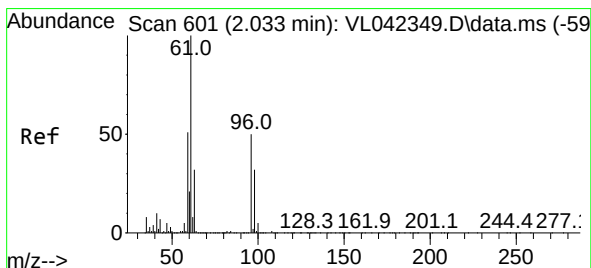
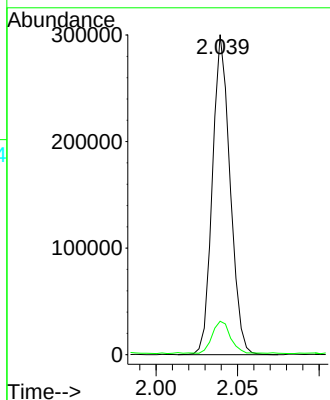
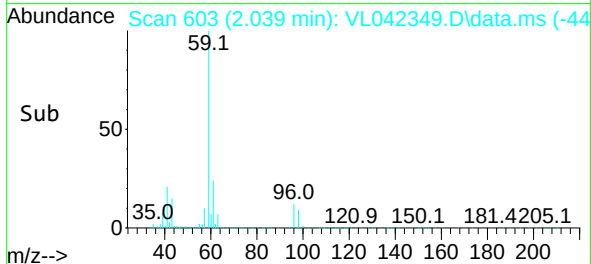
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



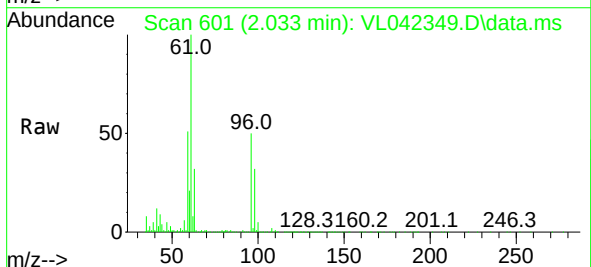
Tgt Ion: 59 Resp: 226280
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

Manual Integrations
APPROVED

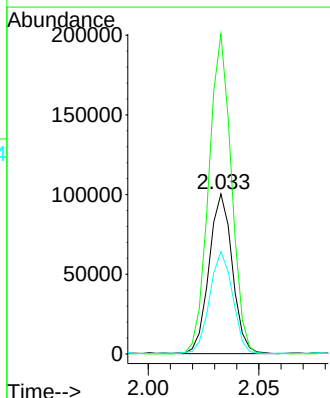
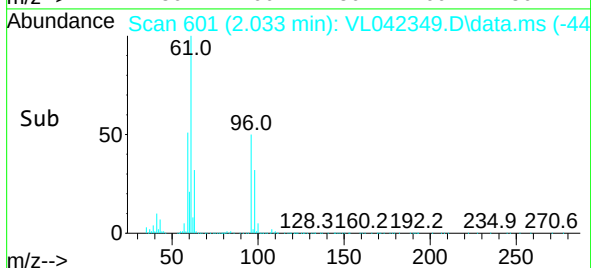
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

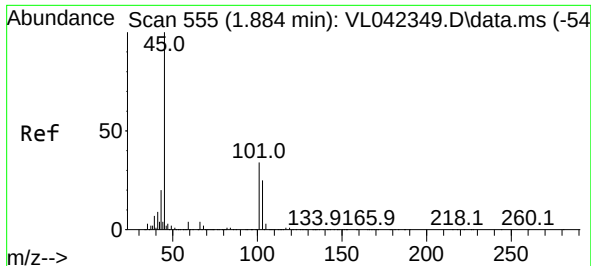


#18
1,1-Dichloroethene
Concen: 8.833 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



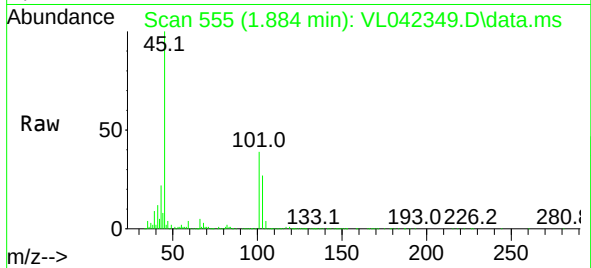
Tgt Ion: 96 Resp: 73186
Ion Ratio Lower Upper
96 100
61 200.2 160.2 240.2
98 63.7 51.0 76.4





#19
Isopropyl Alcohol
Concen: 9.031 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

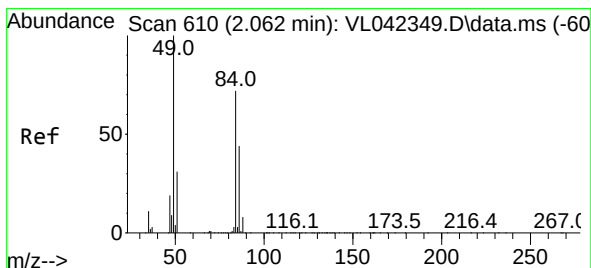
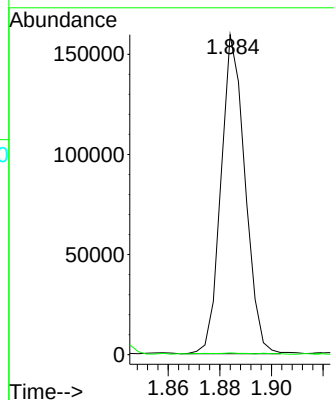
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



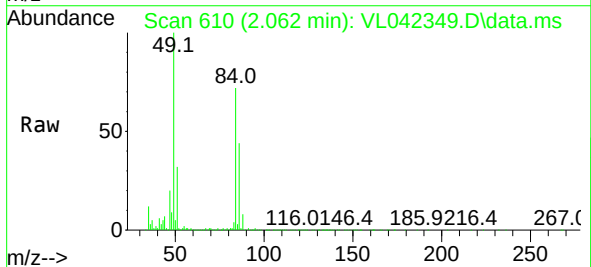
Tgt Ion: 45 Resp: 103029
Ion Ratio Lower Upper
45 100
58 43.1 34.5 51.7

Manual Integrations
APPROVED

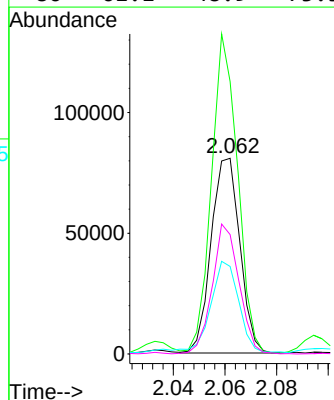
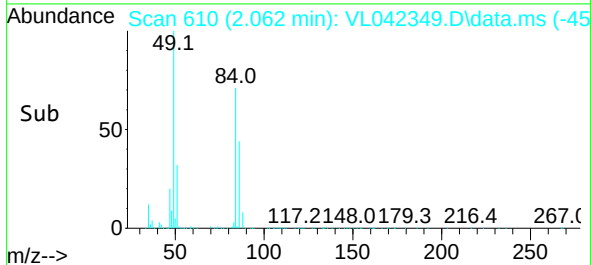
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

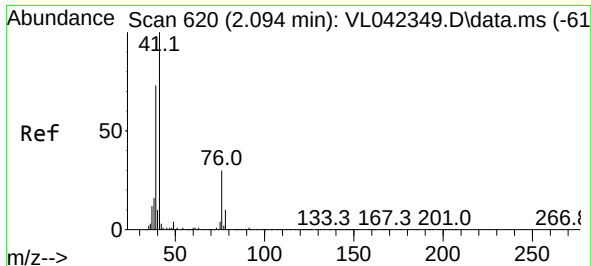


#20
Methylene Chloride
Concen: 7.760 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion: 84 Resp: 62414
Ion Ratio Lower Upper
84 100
49 139.5 111.6 167.4
51 43.9 35.1 52.7
86 61.1 48.9 73.3





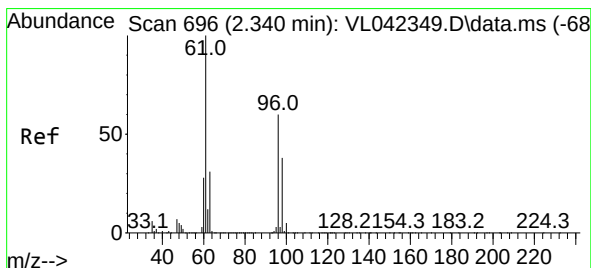
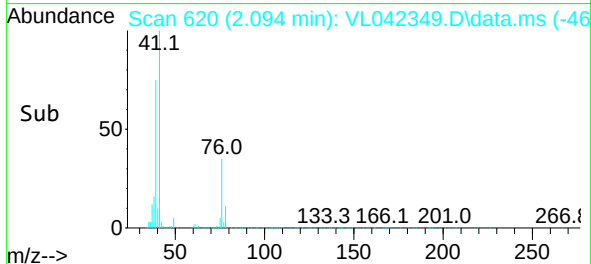
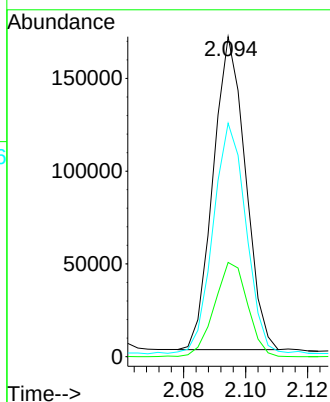
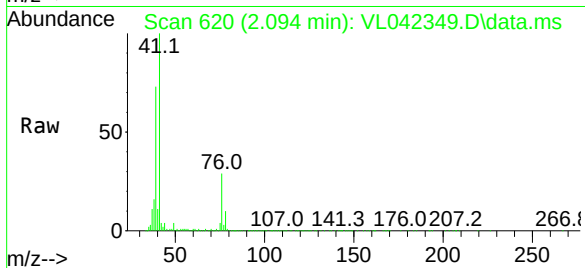
#21
 Allyl Chloride
 Concen: 8.611 ppbv
 RT: 2.094 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 122115
 Ion Ratio Lower Upper
 41 100
 76 31.0 24.8 37.2
 39 75.7 60.6 90.8

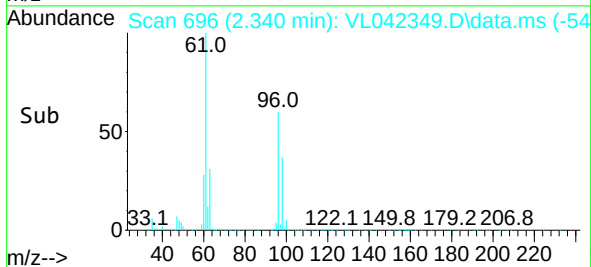
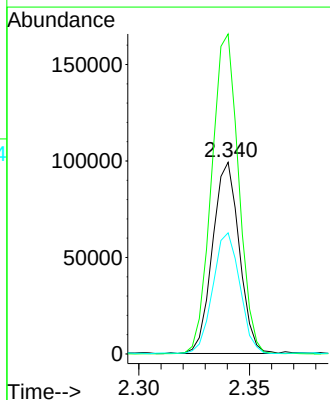
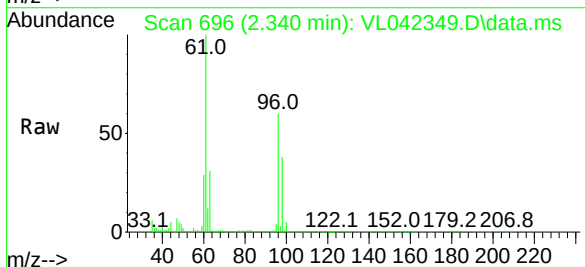
Manual Integrations
 APPROVED

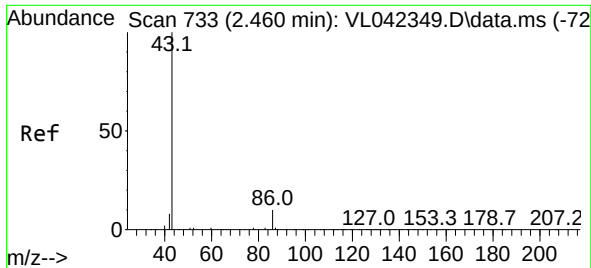
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.084 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

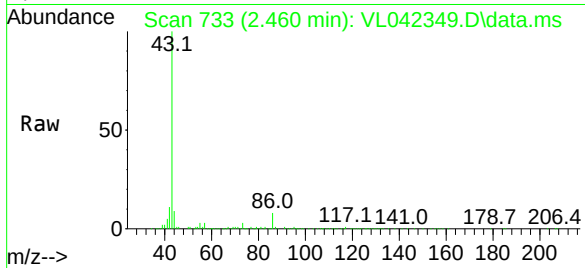
Tgt Ion: 96 Resp: 83278
 Ion Ratio Lower Upper
 96 100
 61 167.1 133.7 200.5
 98 62.9 50.3 75.5





#23
 Vinyl Acetate
 Concen: 8.378 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

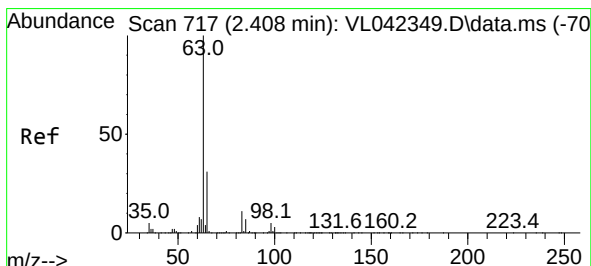
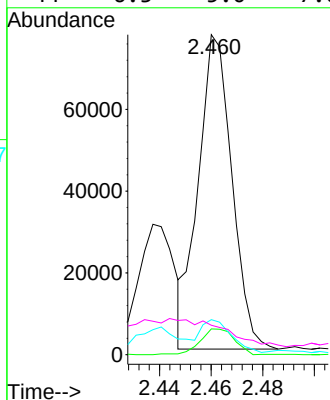
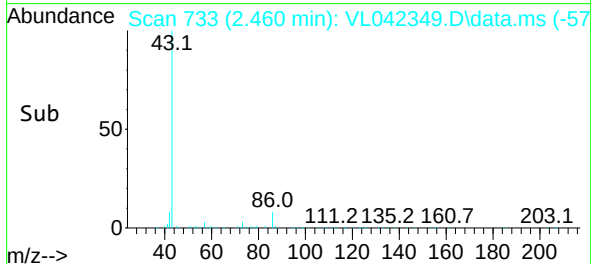
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010



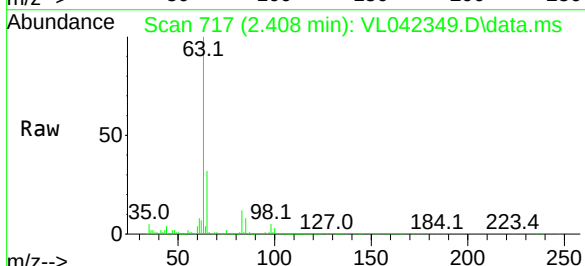
Tgt Ion: 43 Resp: 69649
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7
 42 9.8 7.8 11.8
 44 6.3 5.0 7.6

Manual Integrations
 APPROVED

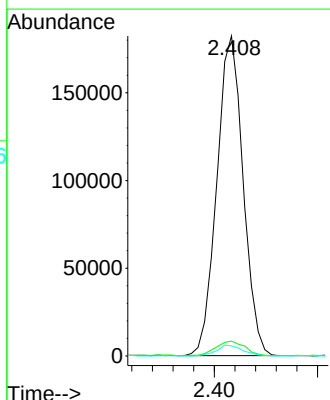
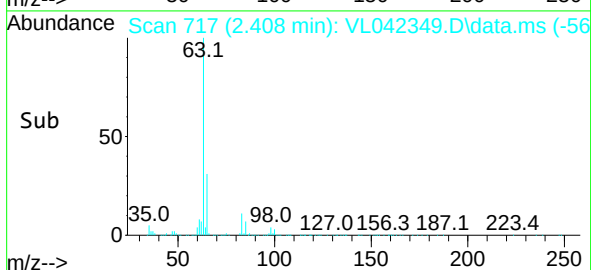
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

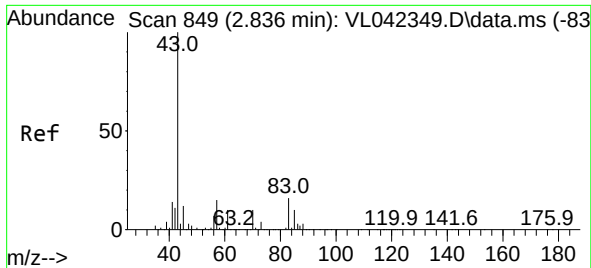


#24
 1,1-Dichloroethane
 Concen: 9.251 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44



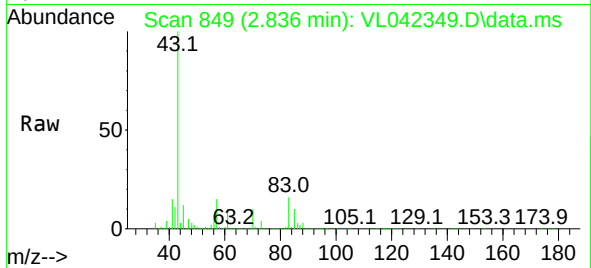
Tgt Ion: 63 Resp: 161102
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.3 6.8
 100 3.2 1.6 4.8





#25
Ethyl Acetate
Concen: 9.110 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

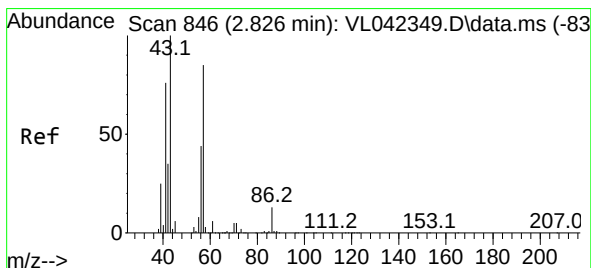
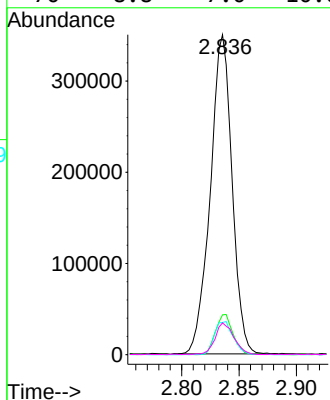
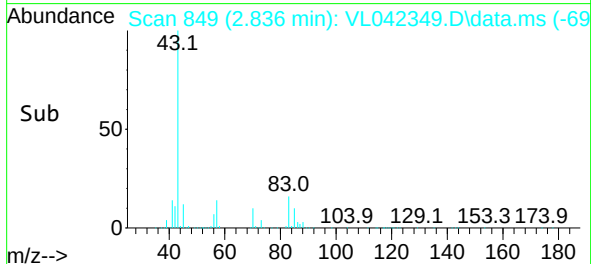
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



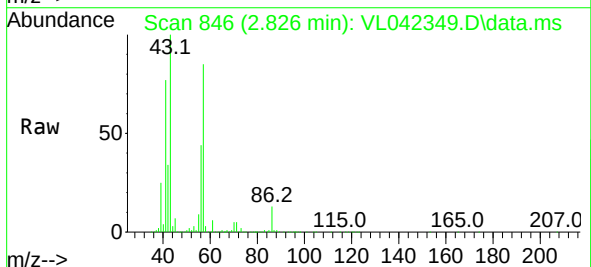
Tgt Ion: 43 Resp: 461315
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 9.1 7.3 10.9
70 8.8 7.0 10.6

Manual Integrations
APPROVED

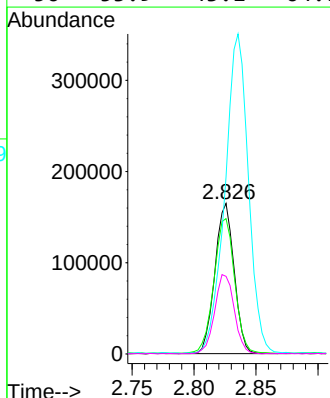
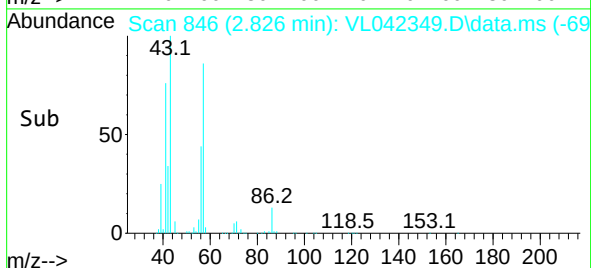
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

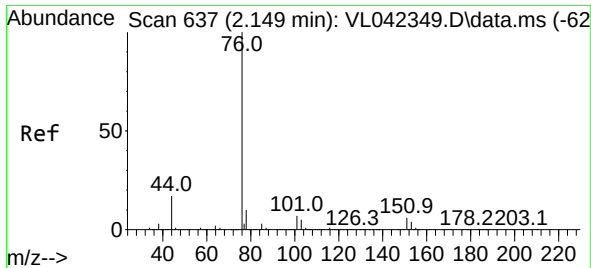


#26
Hexane
Concen: 8.720 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion: 57 Resp: 178691
Ion Ratio Lower Upper
57 100
41 97.4 77.9 116.9
43 260.5 208.4 312.6
56 53.9 43.1 64.7





#27

Carbon Disulfide

Concen: 9.539 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042349.D

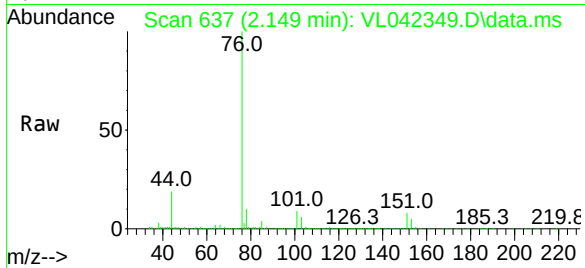
Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

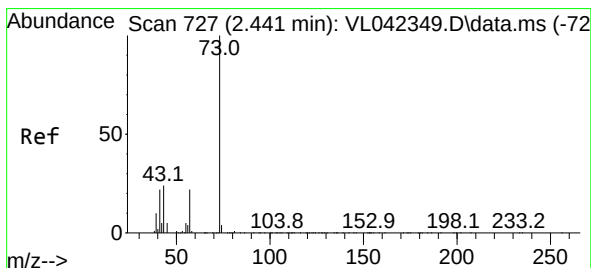
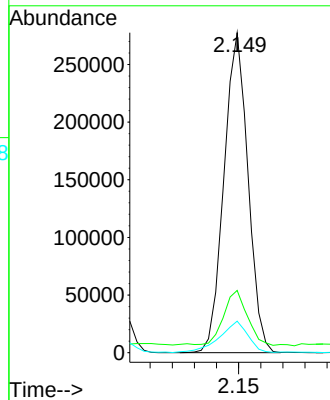
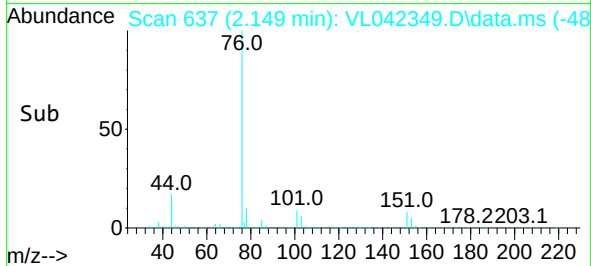


Tgt Ion:	76	Resp:	20929
Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.5	23.3
78	11.6	9.3	13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#28

Methyl tert-Butyl Ether

Concen: 8.783 ppbv

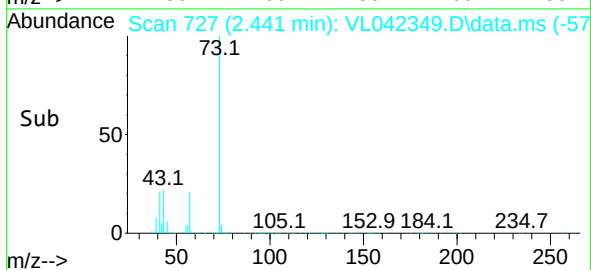
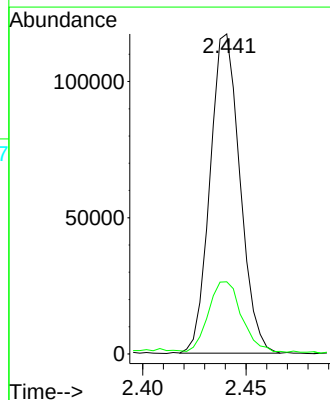
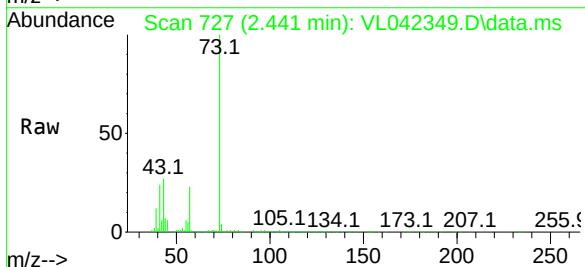
RT: 2.441 min Scan# 727

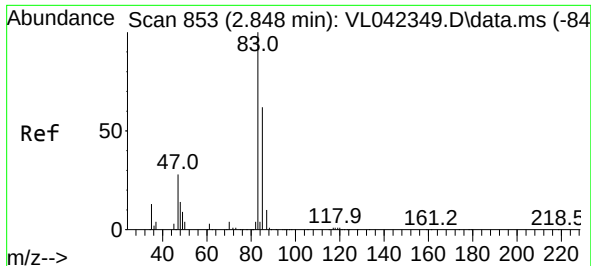
Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Tgt Ion:	73	Resp:	117924
Ion	Ratio	Lower	Upper
73	100		
57	26.6	21.3	31.9





#29

Chloroform

Concen: 9.290 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 269088

Ion Ratio Lower Upper

83 100

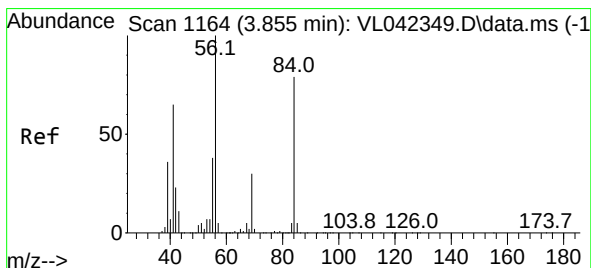
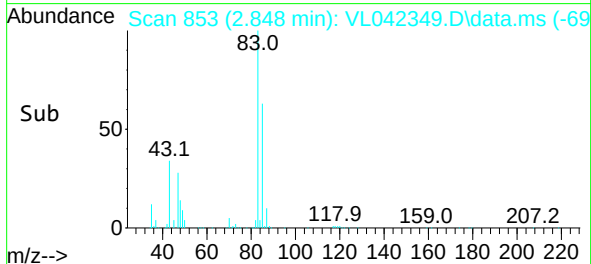
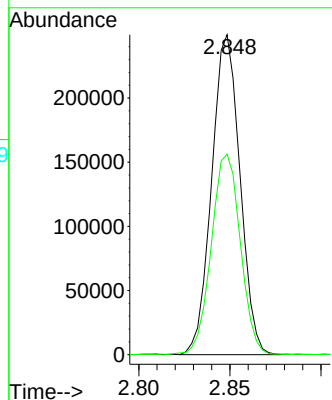
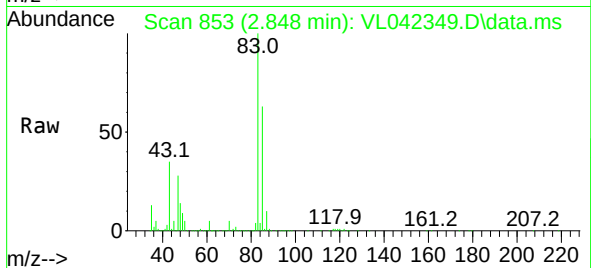
85 62.5 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#30

Cyclohexane

Concen: 9.517 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

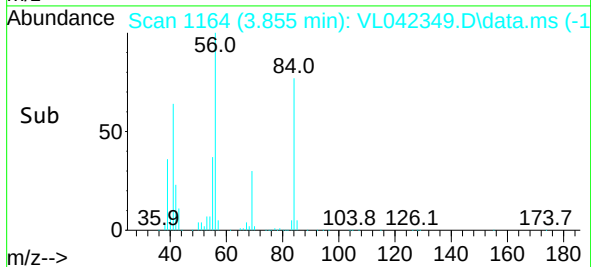
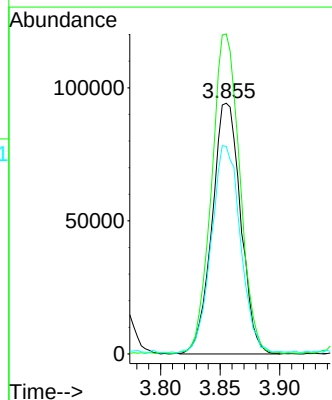
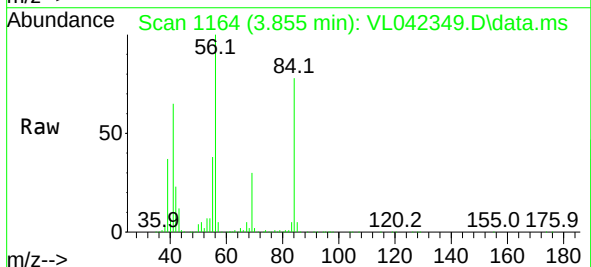
Tgt Ion: 84 Resp: 157035

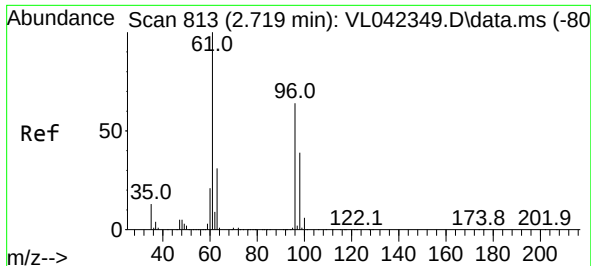
Ion Ratio Lower Upper

84 100

56 126.2 101.0 151.4

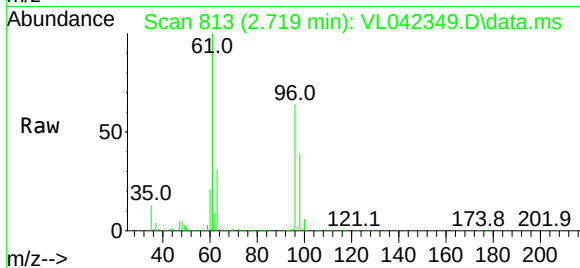
41 84.2 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.397 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

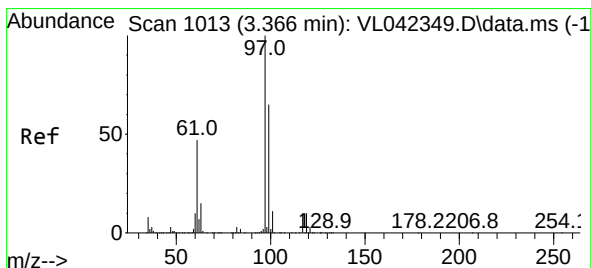
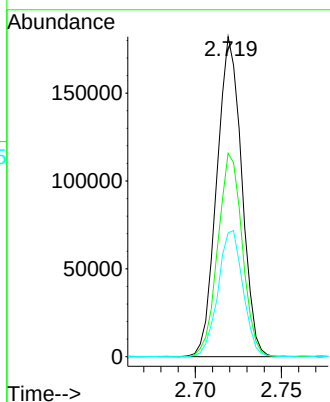
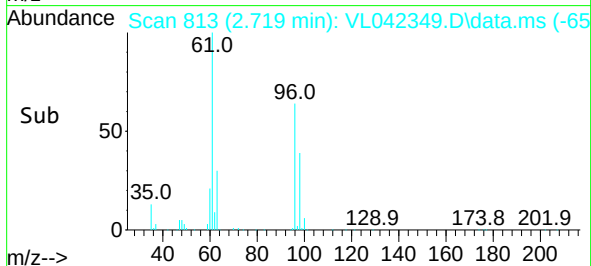
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



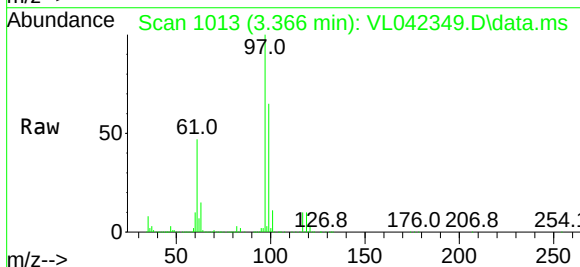
Tgt Ion: 61 Resp: 18308
 Ion Ratio Lower Upper
 61 100
 96 63.5 50.8 76.2
 98 38.6 30.9 46.3

Manual Integrations
 APPROVED

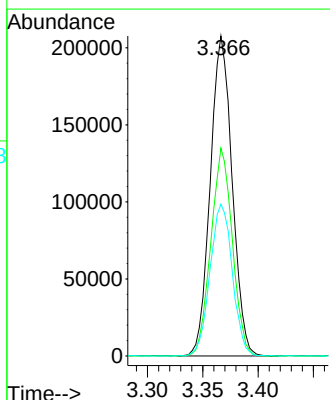
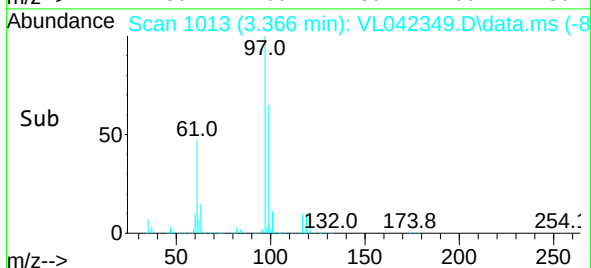
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

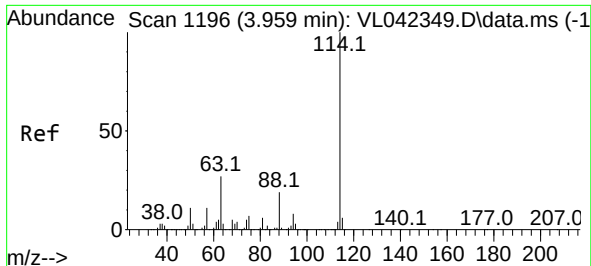


#32
 1,1,1-Trichloroethane
 Concen: 9.187 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44



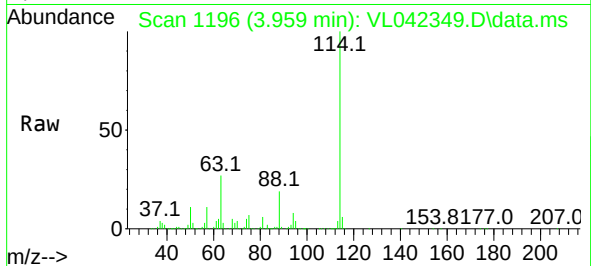
Tgt Ion: 97 Resp: 285336
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 48.5 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

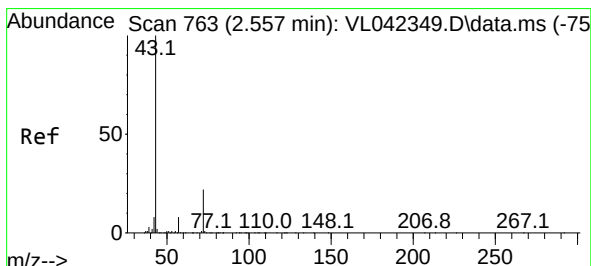
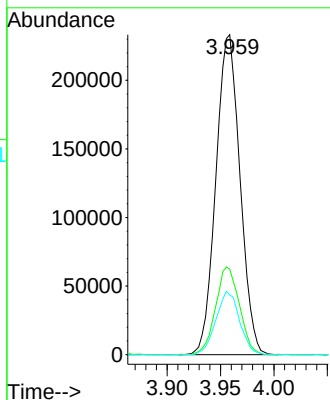
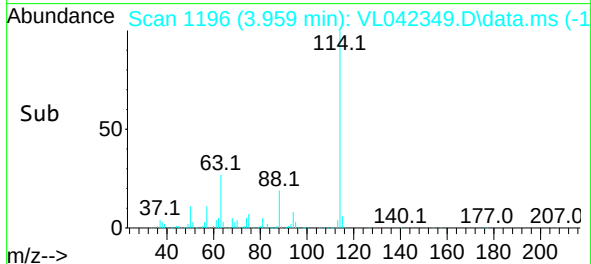
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



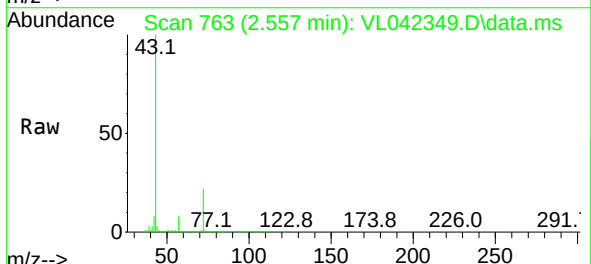
Tgt Ion:114 Resp: 366544
Ion Ratio Lower Upper
114 100
63 27.2 21.8 32.6
88 19.4 15.5 23.3

Manual Integrations
APPROVED

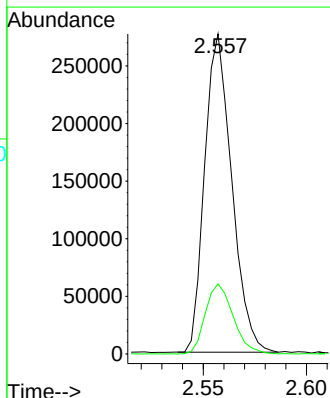
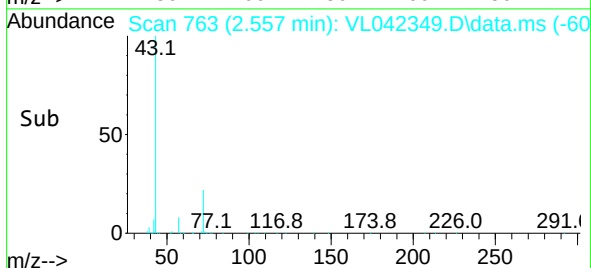
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

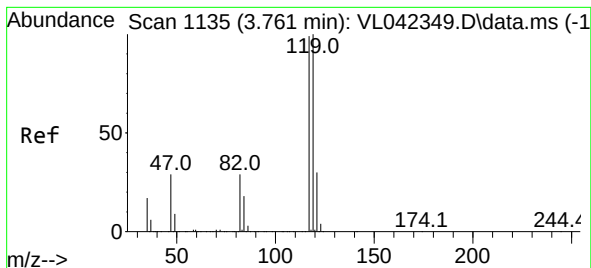


#34
2-Butanone
Concen: 8.683 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion: 43 Resp: 251704
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2





#35

Carbon Tetrachloride

Concen: 8.513 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 28240

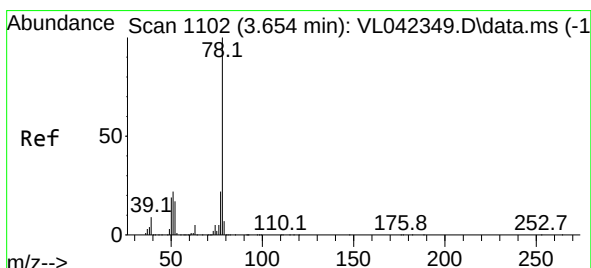
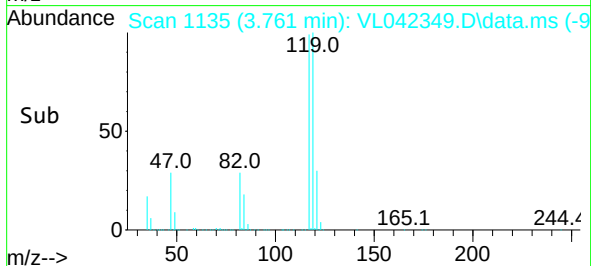
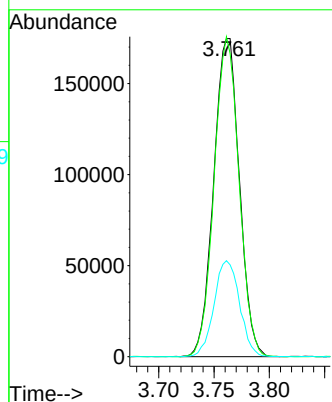
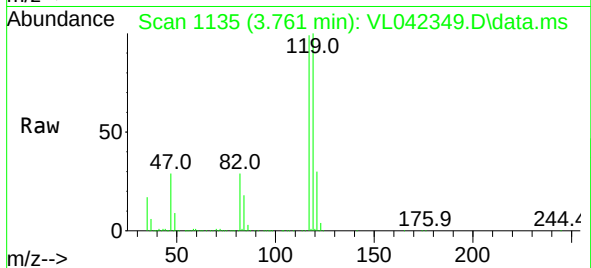
Ion	Ratio	Lower	Upper
117	100		
119	100.6	80.5	120.7
121	30.2	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 9.292 ppbv

RT: 3.654 min Scan# 1102

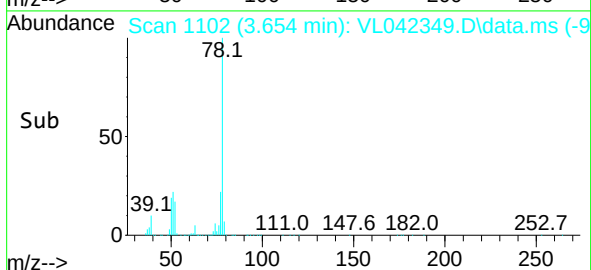
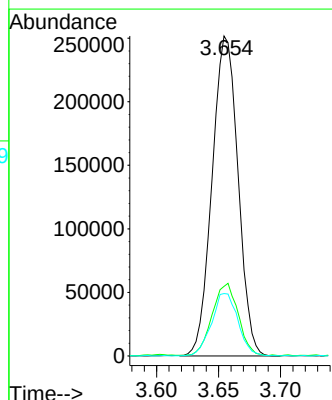
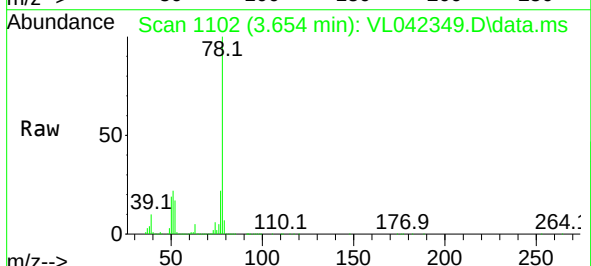
Delta R.T. 0.000 min

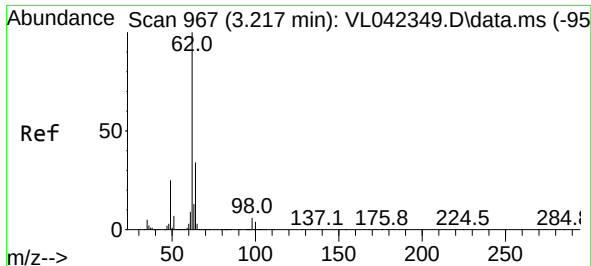
Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Tgt Ion: 78 Resp: 367355

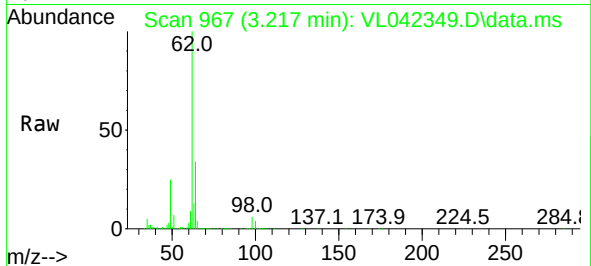
Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	19.4	15.5	23.3





#37
1,2-Dichloroethane
Concen: 9.145 ppbv
RT: 3.217 min Scan# 967
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

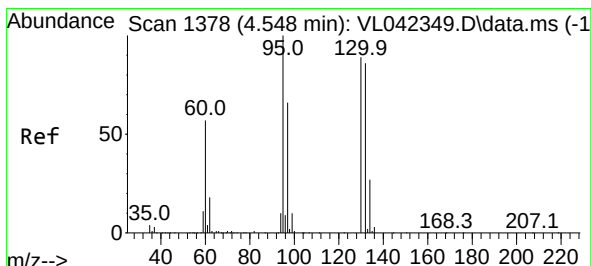
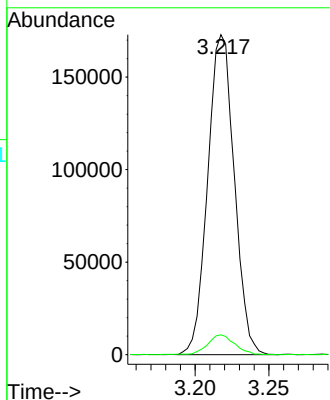
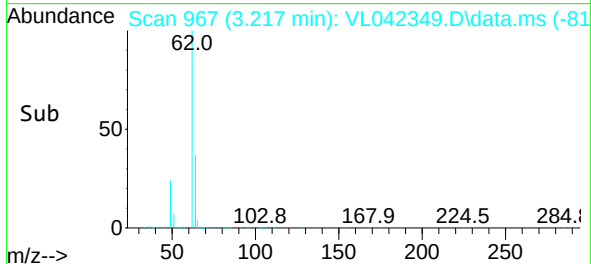
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



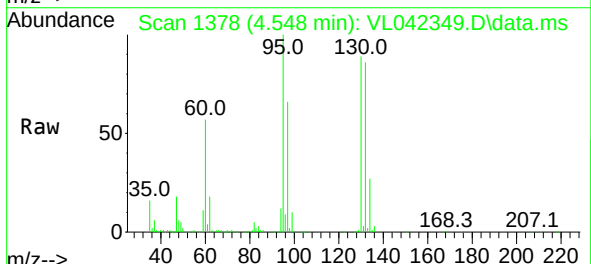
Tgt Ion: 62 Resp: 216999
Ion Ratio Lower Upper
62 100
98 6.4 5.1 7.7

Manual Integrations
APPROVED

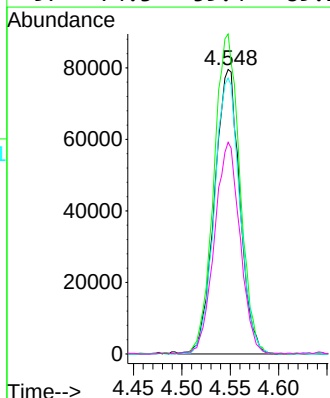
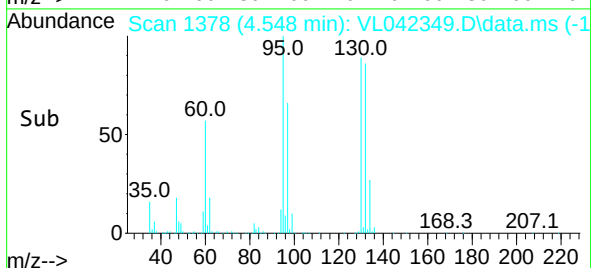
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

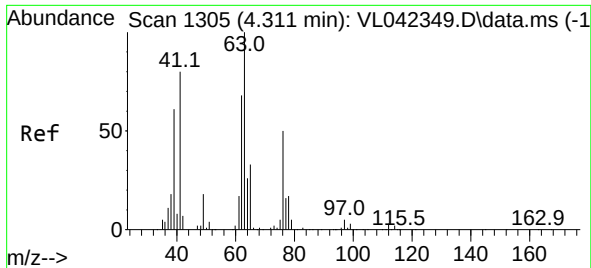


#38
Trichloroethene
Concen: 8.352 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion:130 Resp: 144767
Ion Ratio Lower Upper
130 100
95 112.2 89.8 134.6
132 97.1 77.7 116.5
97 74.3 59.4 89.2





#39

1,2-Dichloropropane

Concen: 9.197 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 63 Resp: 13560

Ion Ratio Lower Upper

63 100

41 80.2 64.2 96.2

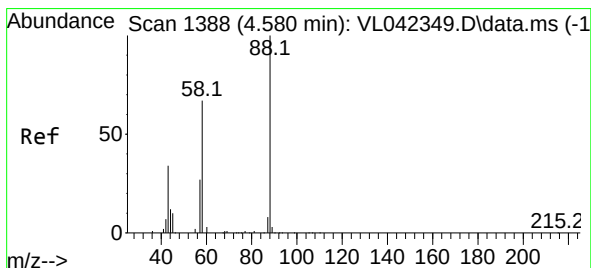
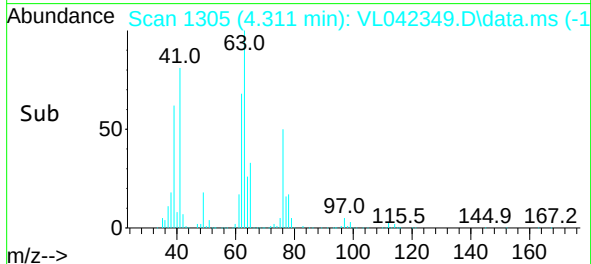
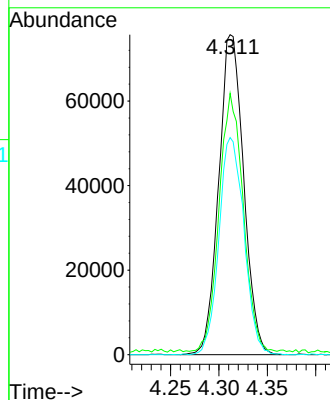
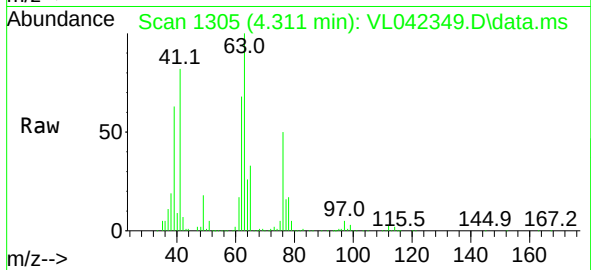
62 67.9 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 8.348 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Tgt Ion: 88 Resp: 66662

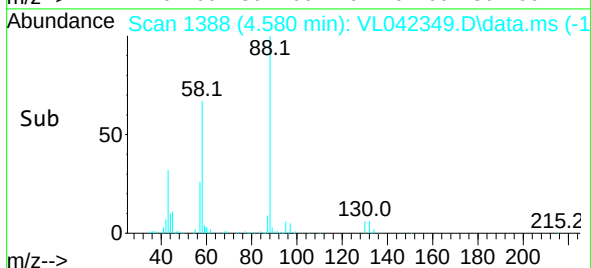
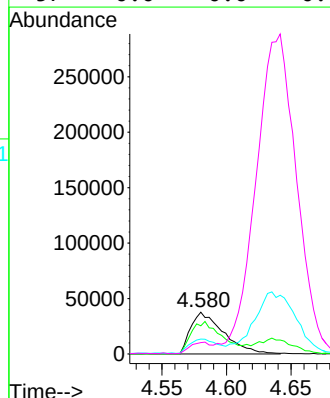
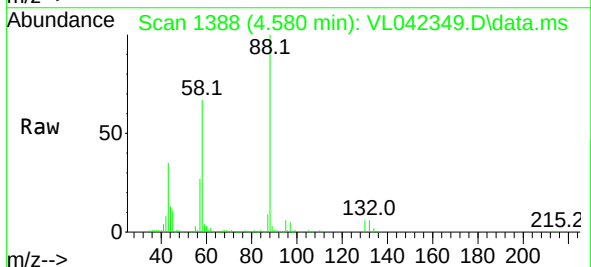
Ion Ratio Lower Upper

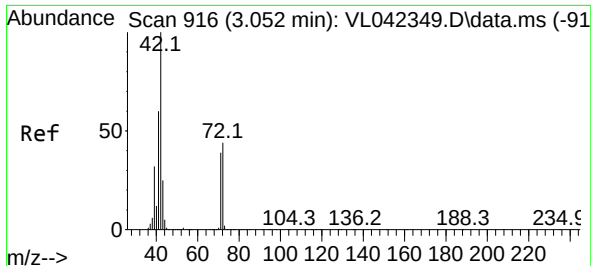
88 100

58 76.7 61.4 92.0

43 29.0 23.2 34.8

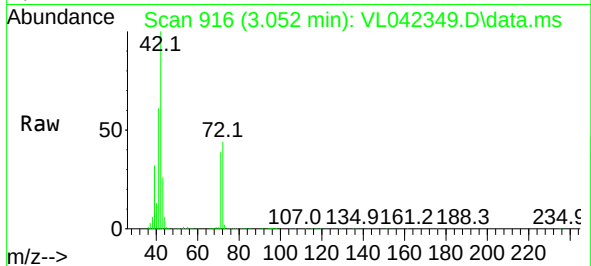
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 8.950 ppbv
RT: 3.052 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

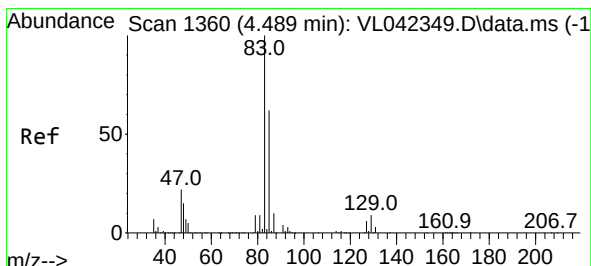
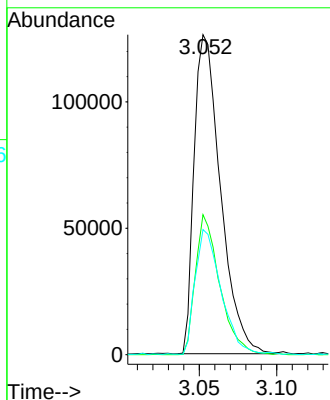
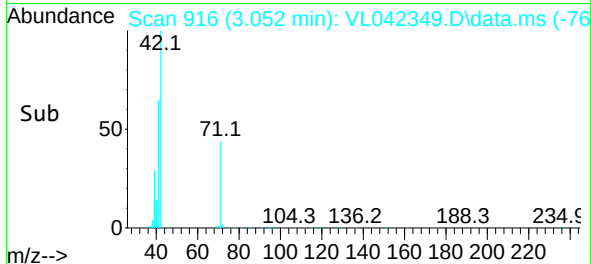
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



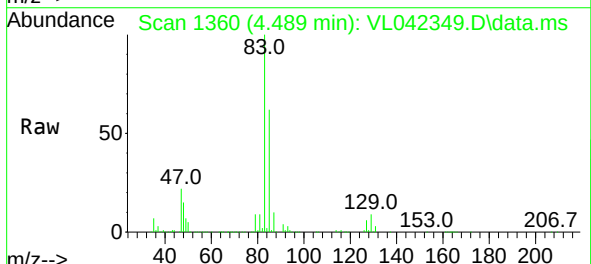
Tgt Ion: 42 Resp: 149905
Ion Ratio Lower Upper
42 100
72 40.4 32.3 48.5
71 39.3 31.4 47.2

Manual Integrations
APPROVED

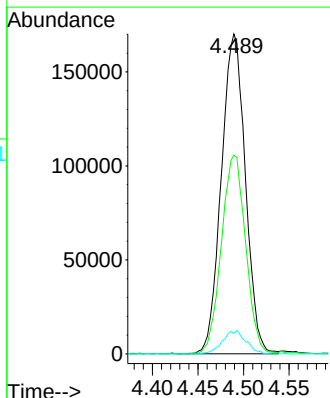
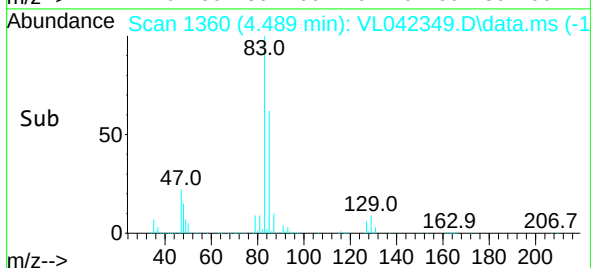
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

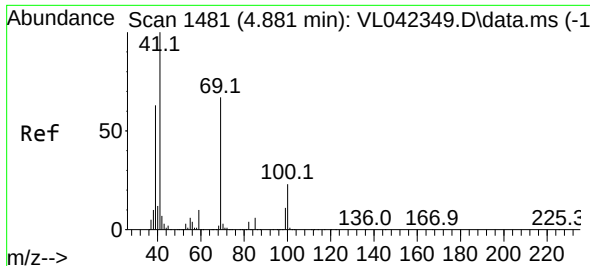


#42
Bromodichloromethane
Concen: 9.456 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



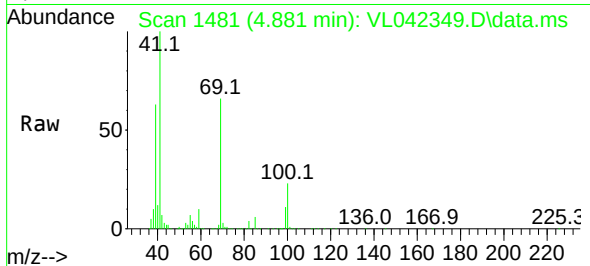
Tgt Ion: 83 Resp: 312268
Ion Ratio Lower Upper
83 100
85 62.1 49.7 74.5
127 6.4 5.1 7.7





#43
Methyl Methacrylate
Concen: 8.876 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

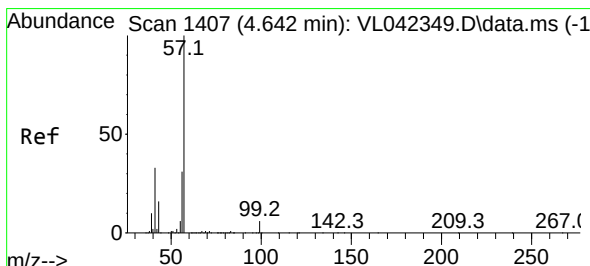
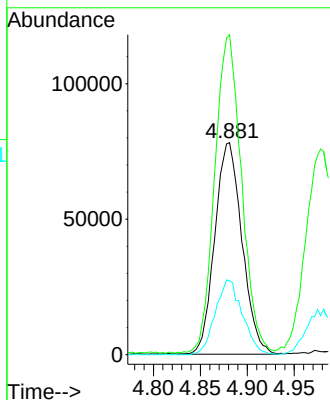
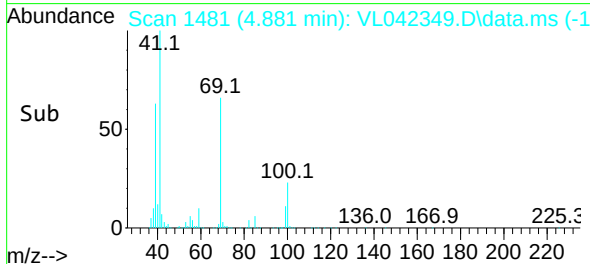
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



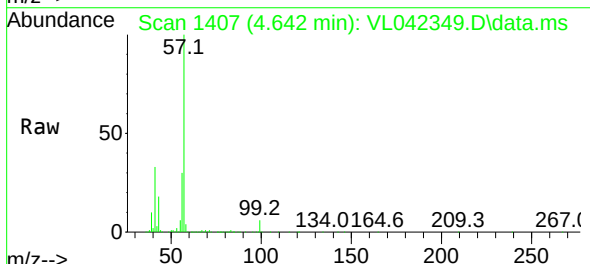
Tgt Ion: 69 Resp: 15750
Ion Ratio Lower Upper
69 100
41 148.2 118.6 177.8
100 35.2 28.2 42.2

Manual Integrations
APPROVED

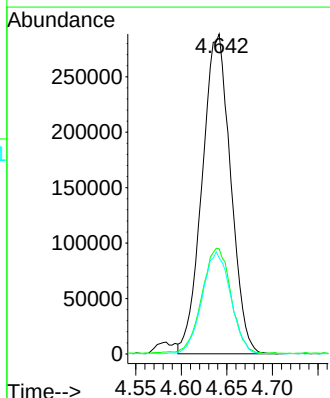
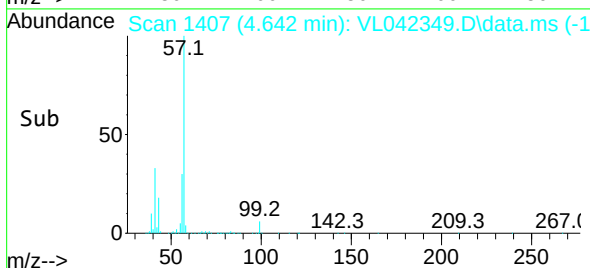
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

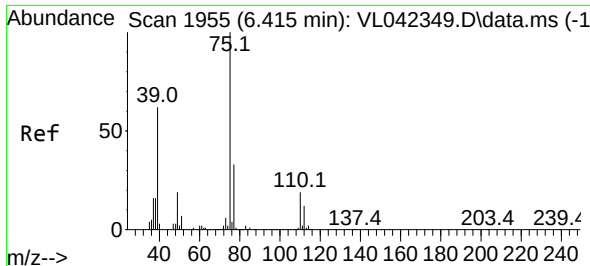


#44
2,2,4-Trimethylpentane
Concen: 9.157 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion: 57 Resp: 626085
Ion Ratio Lower Upper
57 100
41 34.0 27.2 40.8
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 9.233 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 16822

Ion Ratio Lower Upper

75 100

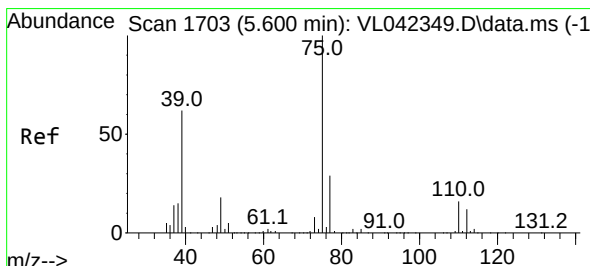
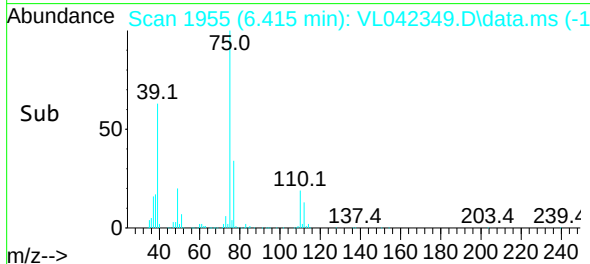
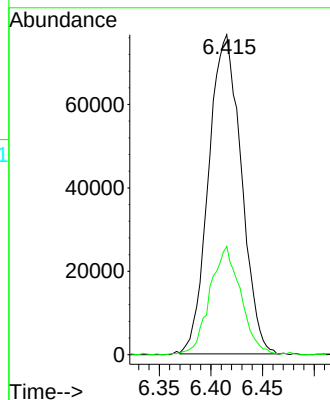
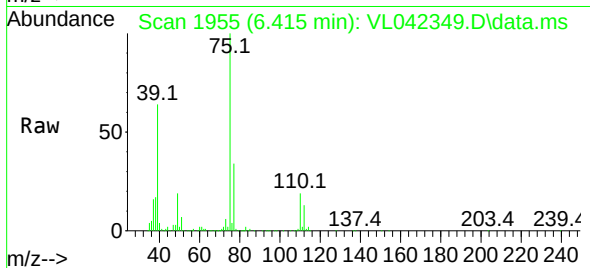
77 33.8 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#46

cis-1,3-Dichloropropene

Concen: 9.377 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

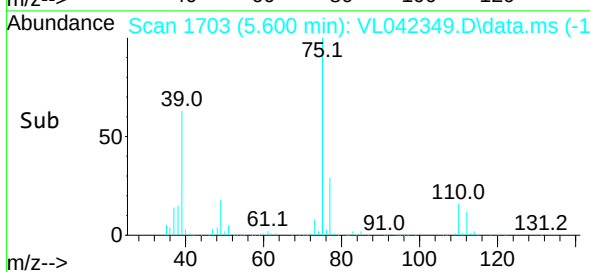
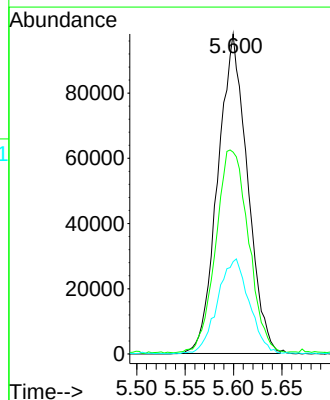
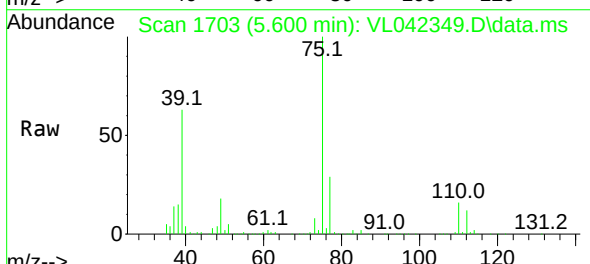
Tgt Ion: 75 Resp: 208811

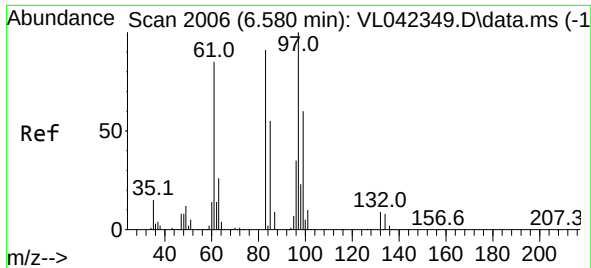
Ion Ratio Lower Upper

75 100

39 62.5 50.0 75.0

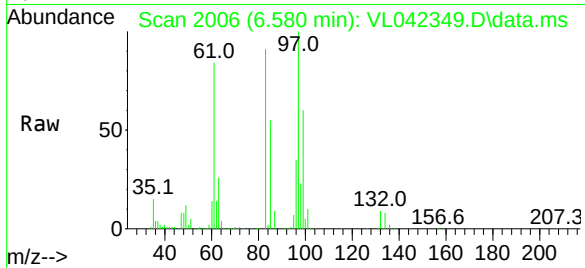
77 28.8 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 9.181 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

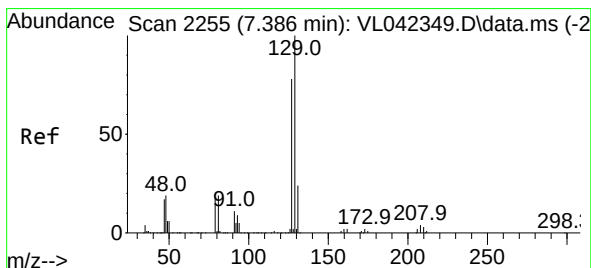
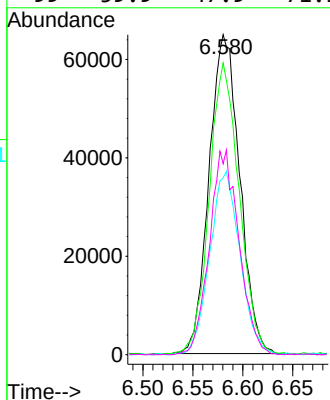
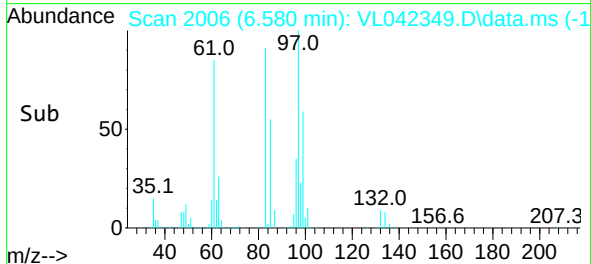
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



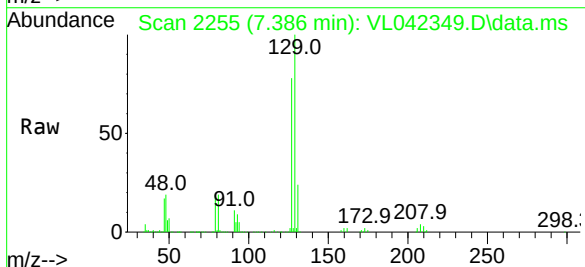
Tgt Ion: 97 Resp: 137898
Ion Ratio Lower Upper
97 100
83 91.0 72.8 109.2
85 55.3 44.2 66.4
99 59.9 47.9 71.9

Manual Integrations
APPROVED

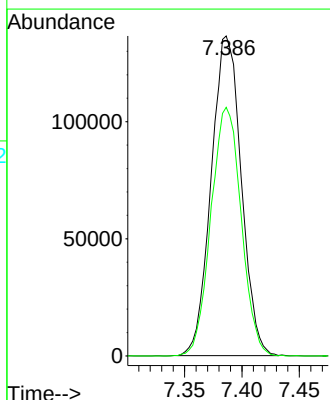
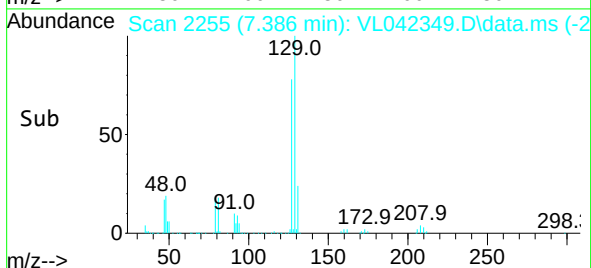
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

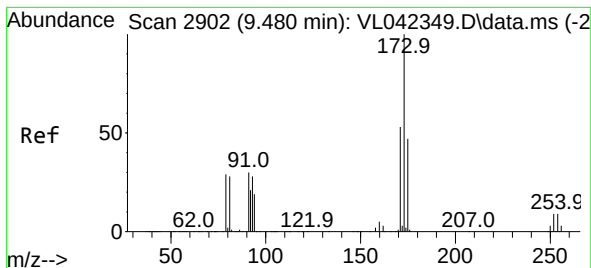


#48
Dibromochloromethane
Concen: 9.388 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion:129 Resp: 248954
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





#49

Bromoform

Concen: 9.734 ppbv

RT: 9.480 min Scan# 2902

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

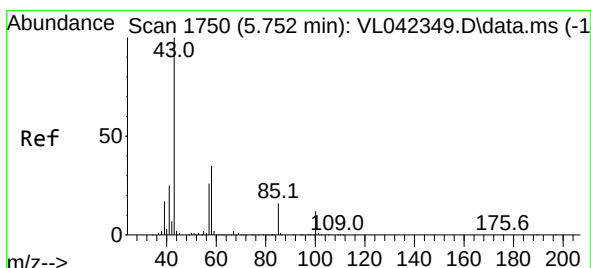
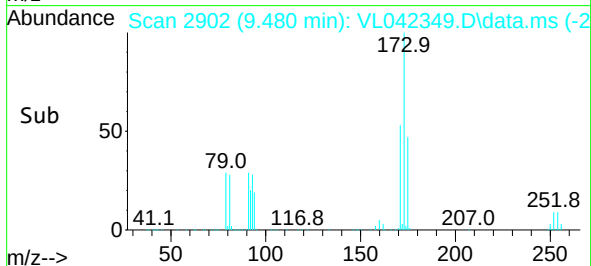
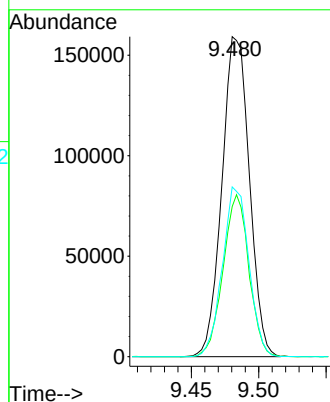
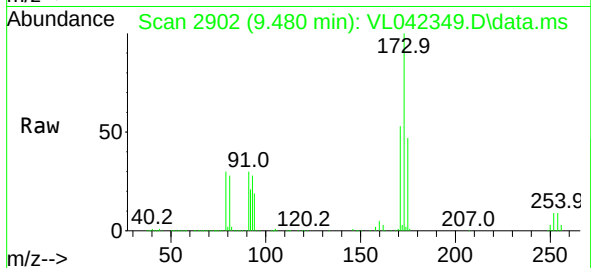
VSTDICCC010

Tgt Ion:173 Resp: 225700
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.2
 171 51.1 40.9 61.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#50

4-Methyl-2-Pentanone

Concen: 8.215 ppbv

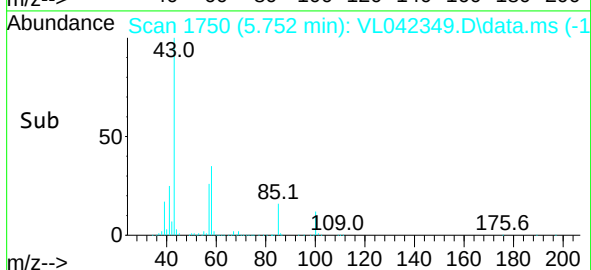
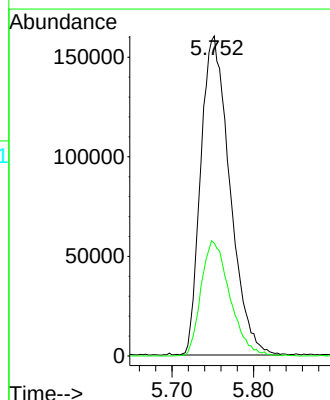
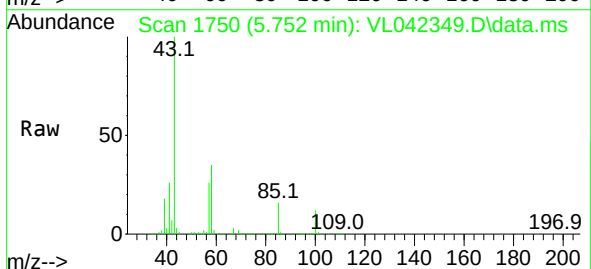
RT: 5.752 min Scan# 1750

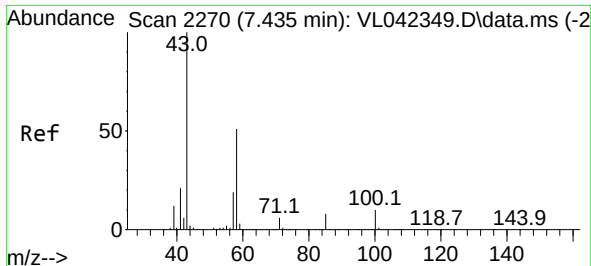
Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

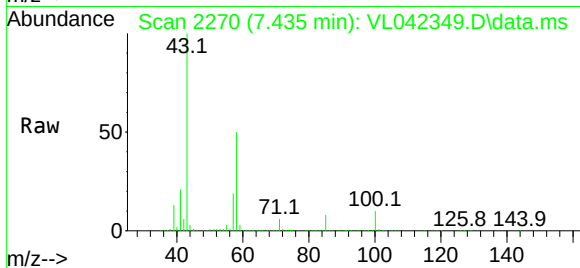
Tgt Ion: 43 Resp: 396548
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.6 43.0





#51
2-Hexanone
Concen: 7.511 ppbv
RT: 7.435 min Scan# 2270
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

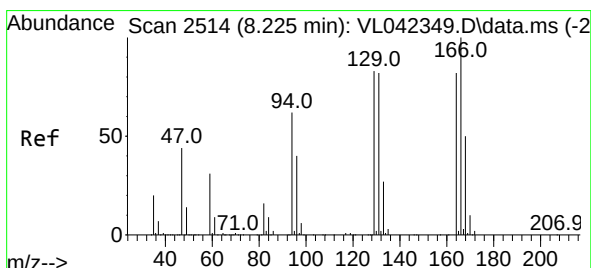
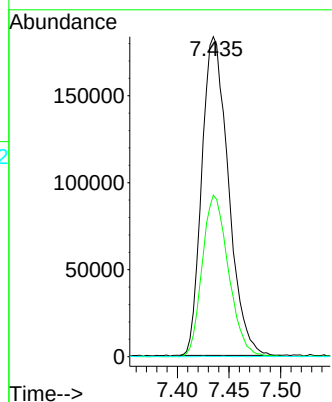
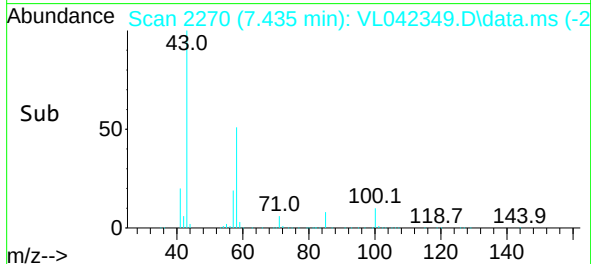
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 32716
Ion Ratio Lower Upper
43 100
58 50.3 40.2 60.4
98 0.1 0.1 0.1

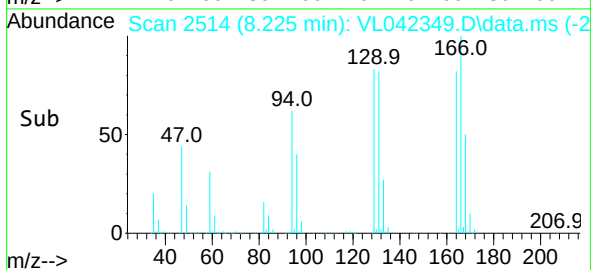
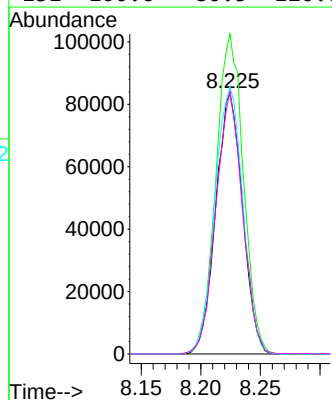
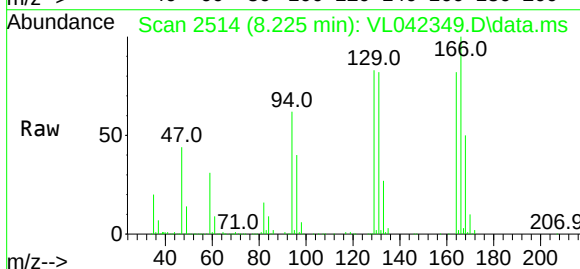
Manual Integrations
APPROVED

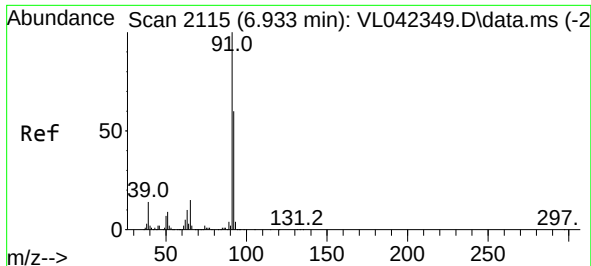
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 8.553 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

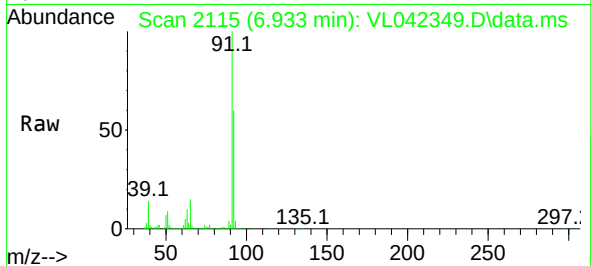
Tgt Ion:164 Resp: 130720
Ion Ratio Lower Upper
164 100
166 122.7 98.2 147.2
129 102.3 81.8 122.8
131 100.6 80.5 120.7





#53
Toluene
Concen: 9.216 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

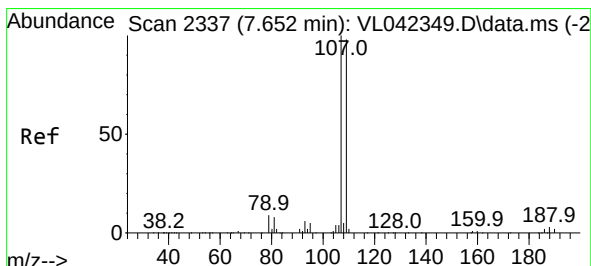
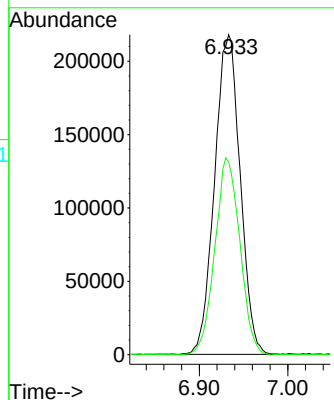
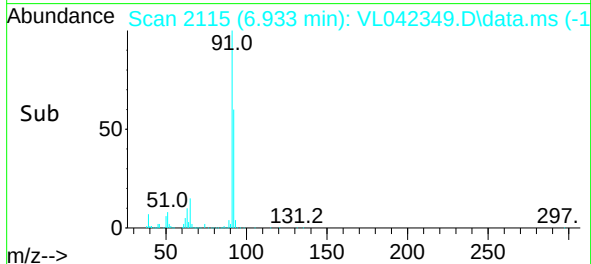
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



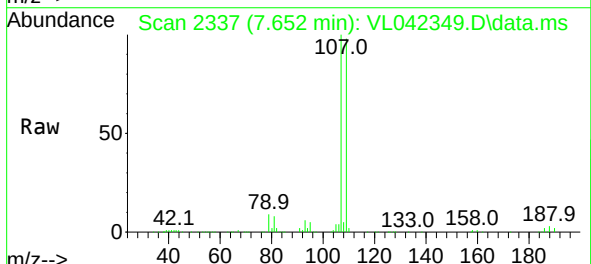
Tgt Ion: 91 Resp: 437258
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.4

Manual Integrations
APPROVED

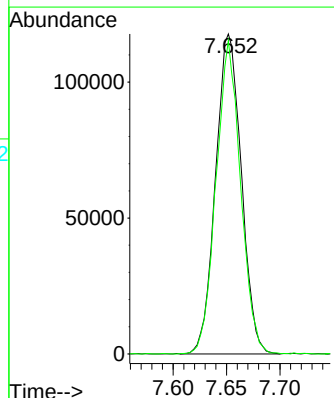
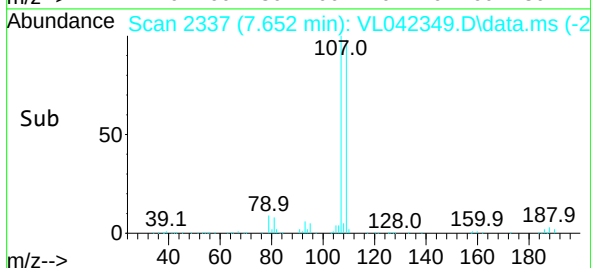
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

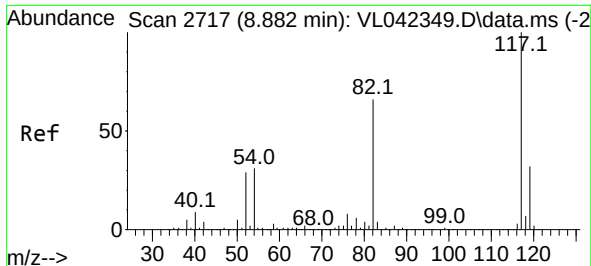


#54
1,2-Dibromoethane
Concen: 9.235 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



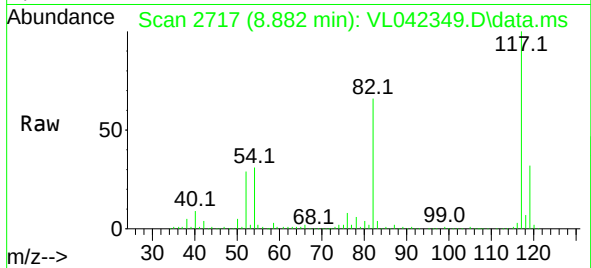
Tgt Ion:107 Resp: 197665
Ion Ratio Lower Upper
107 100
109 97.8 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

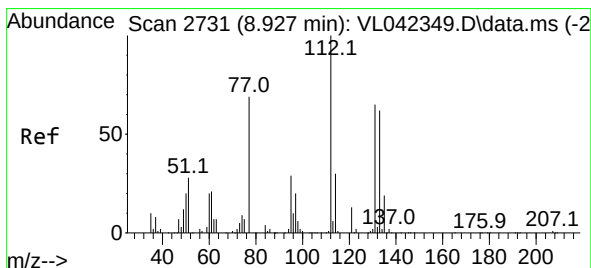
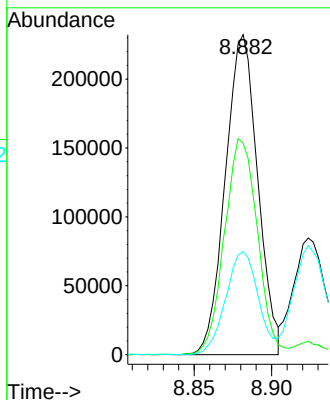
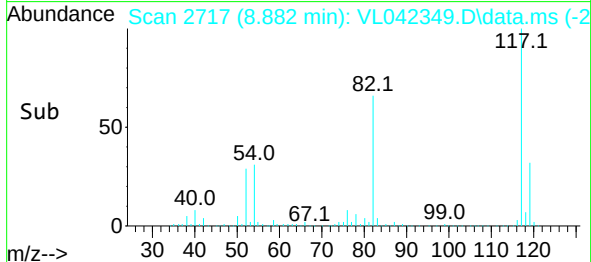
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:117 Resp: 338120
Ion Ratio Lower Upper
117 100
82 72.2 57.8 86.6
119 31.5 25.2 37.8

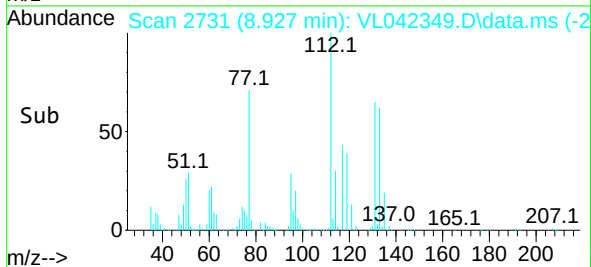
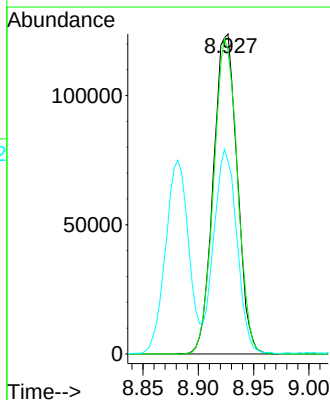
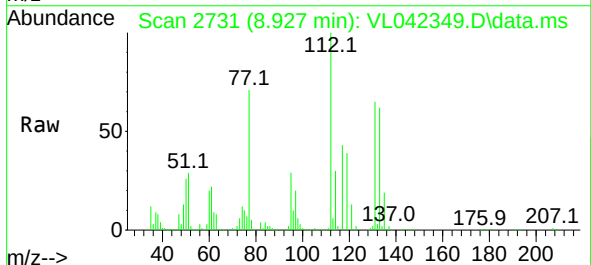
Manual Integrations
APPROVED

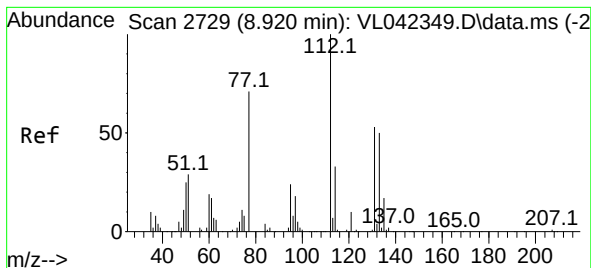
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.091 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

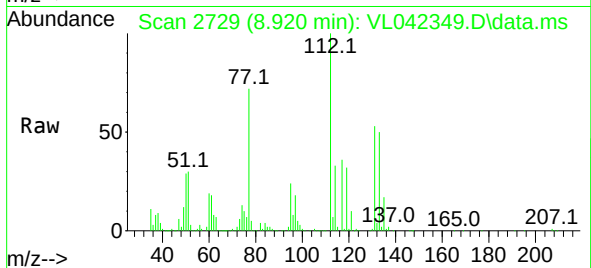
Tgt Ion:131 Resp: 186041
Ion Ratio Lower Upper
131 100
133 97.9 78.3 117.5
119 60.9 48.7 73.1





#57
Chlorobenzene
Concen: 9.187 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

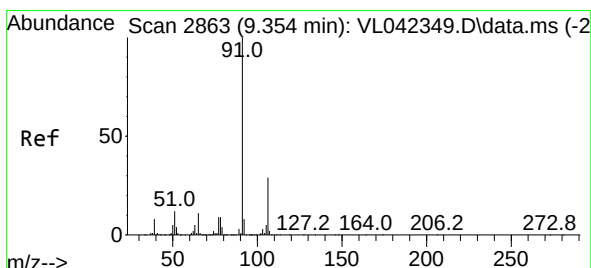
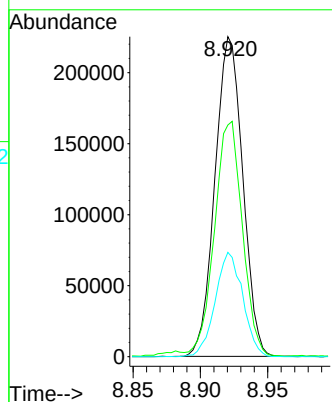
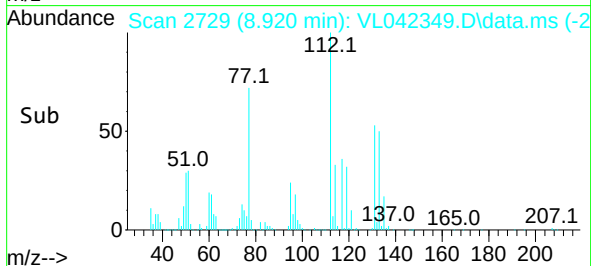
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 112 Resp: 323084
Ion Ratio Lower Upper
112 100
77 72.2 57.8 86.6
114 32.6 29.3 35.9

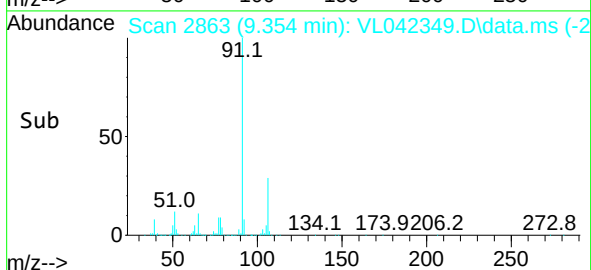
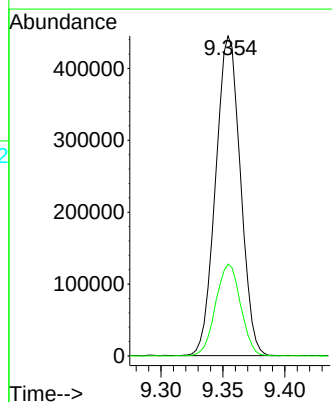
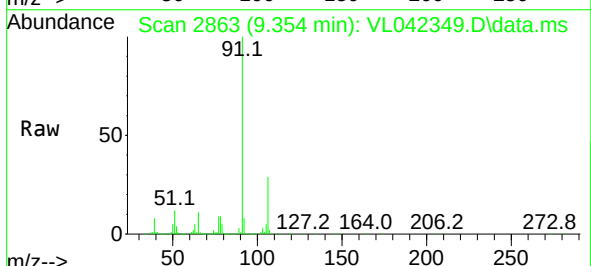
Manual Integrations
APPROVED

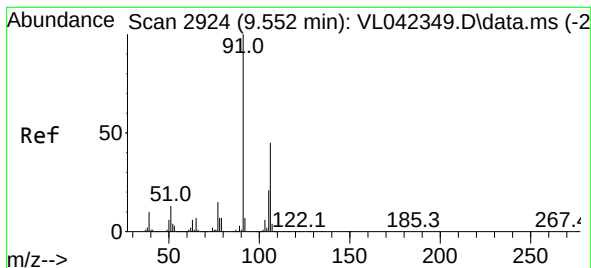
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 9.248 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

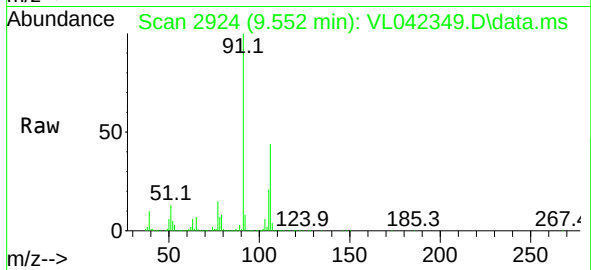
Tgt Ion: 91 Resp: 619581
Ion Ratio Lower Upper
91 100
106 28.7 23.0 34.4





#59
m/p-Xylene
Concen: 18.187 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

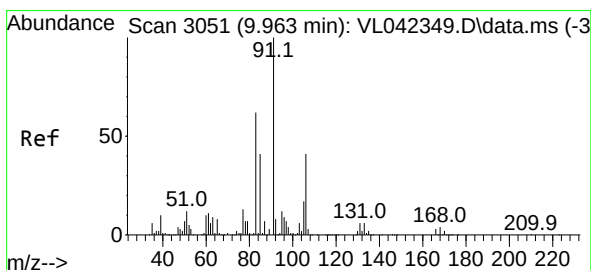
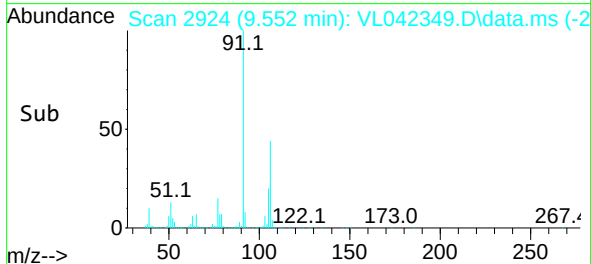
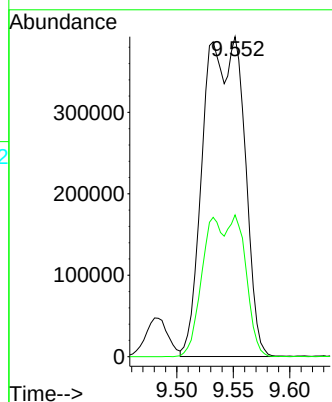
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 91 Resp: 984458
Ion Ratio Lower Upper
91 100
106 44.3 35.4 53.2

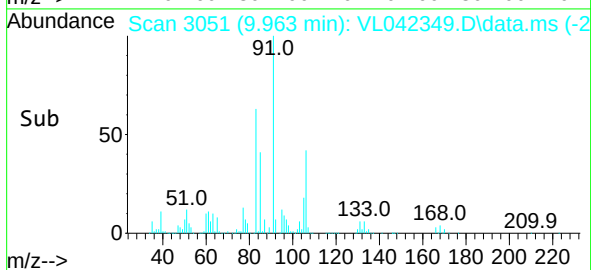
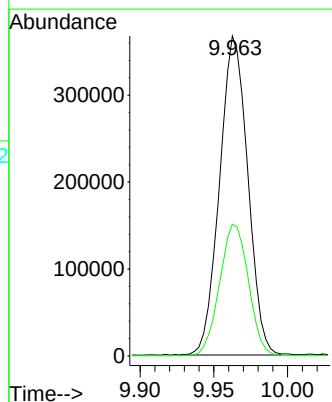
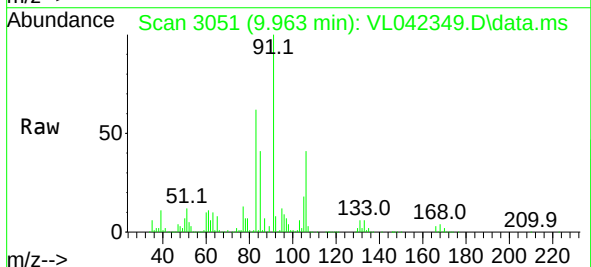
Manual Integrations
APPROVED

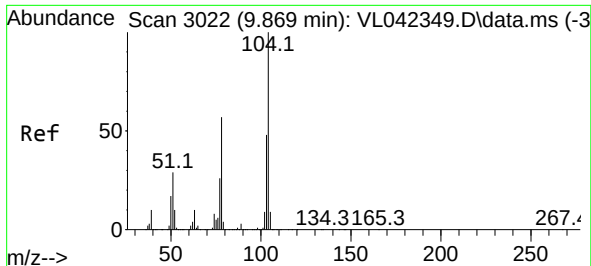
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#60
o-Xylene
Concen: 8.972 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 487616
Ion Ratio Lower Upper
91 100
106 42.3 21.1 63.4





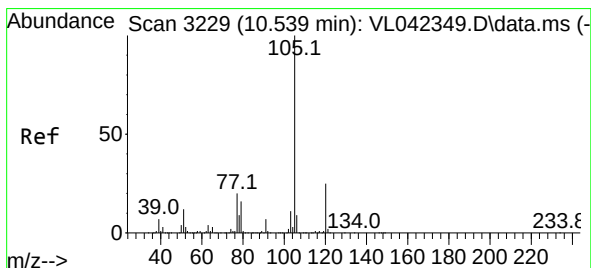
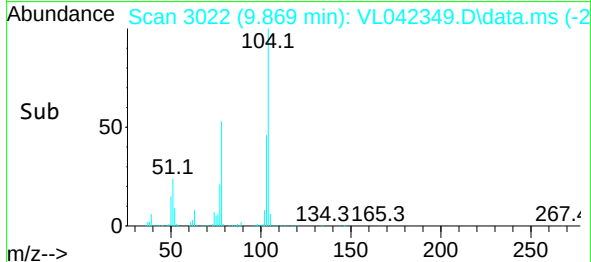
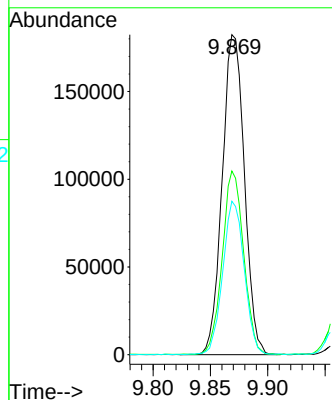
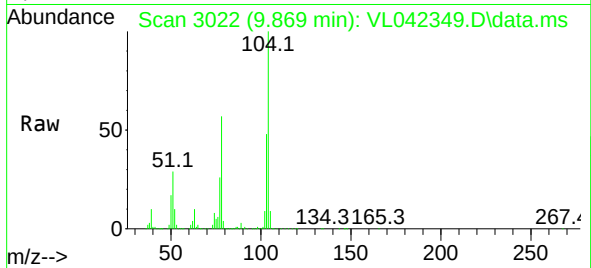
#61
Styrene
Concen: 9.464 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 24548
Ion Ratio Lower Upper
104 100
78 55.7 44.6 66.8
103 46.7 37.4 56.0

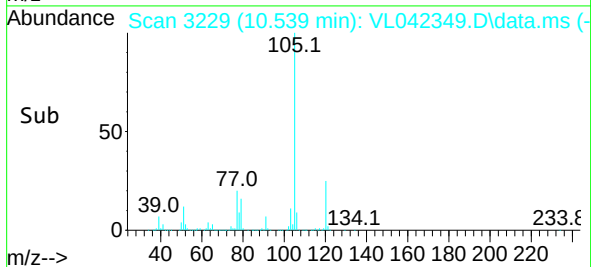
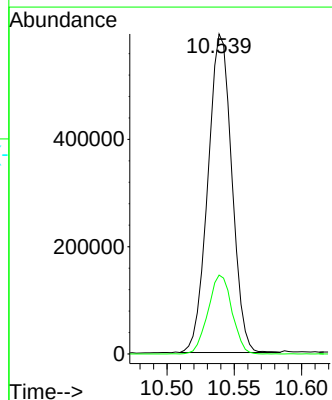
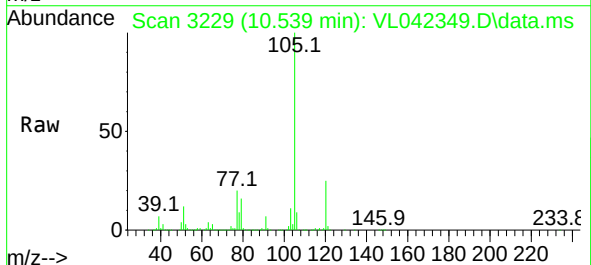
Manual Integrations
APPROVED

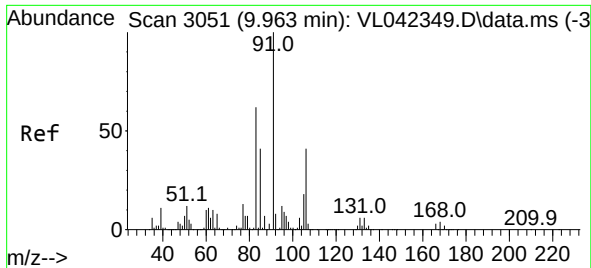
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 9.197 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

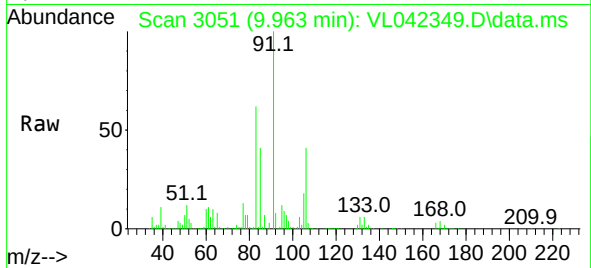
Tgt Ion:105 Resp: 733788
Ion Ratio Lower Upper
105 100
120 24.8 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.355 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

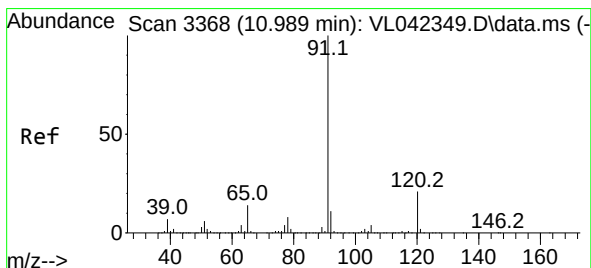
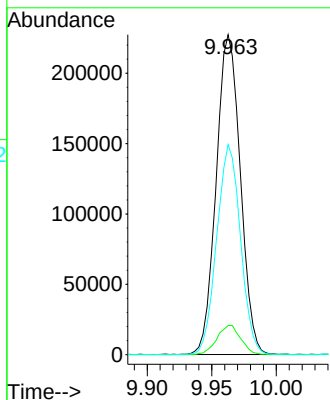
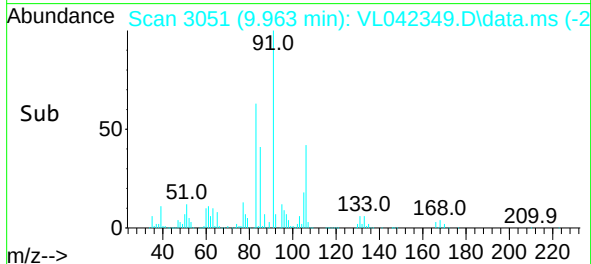
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



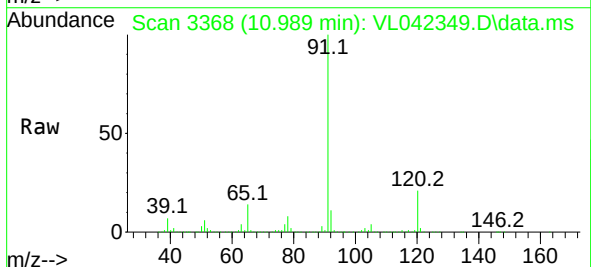
Tgt Ion: 83 Resp: 29504
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.7
85 64.7 32.4 97.0

Manual Integrations
APPROVED

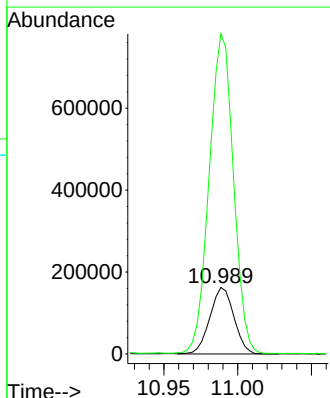
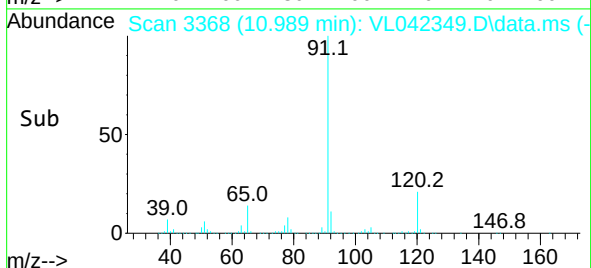
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

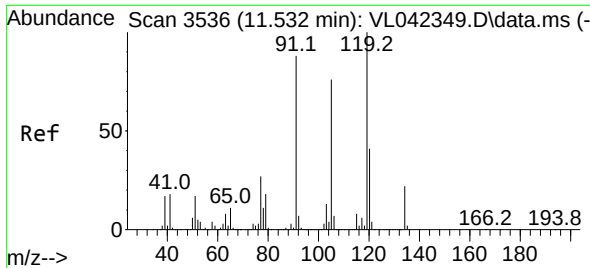


#64
n-propylbenzene
Concen: 9.144 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



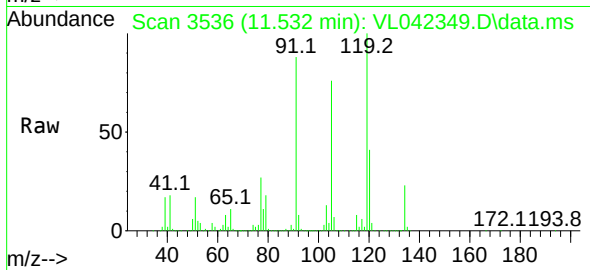
Tgt Ion:120 Resp: 183390
Ion Ratio Lower Upper
120 100
91 490.5 392.4 588.6





#65
tert-Butylbenzene
Concen: 8.795 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

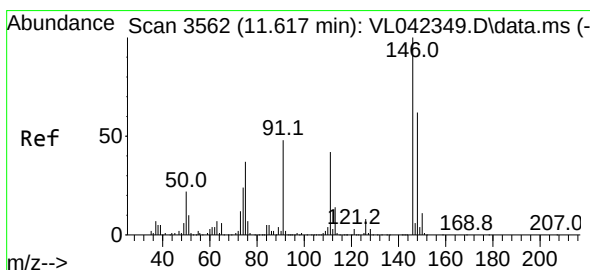
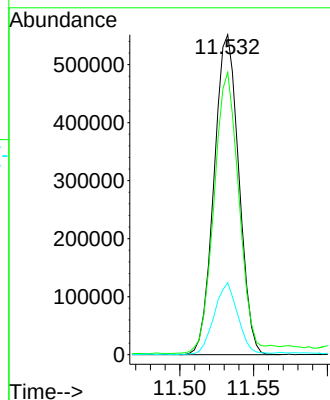
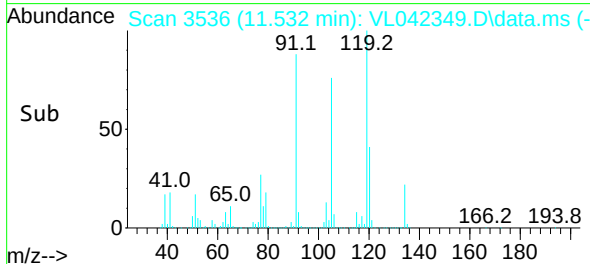
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



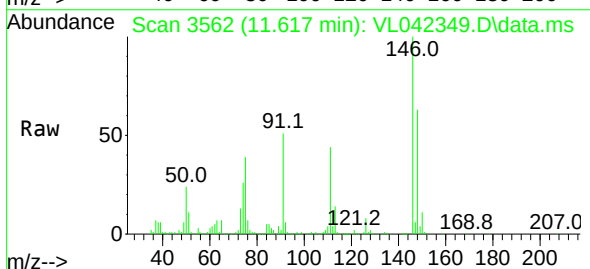
Tgt Ion: 119 Resp: 64495
Ion Ratio Lower Upper
119 100
91 93.2 74.6 111.8
134 23.5 18.8 28.2

Manual Integrations
APPROVED

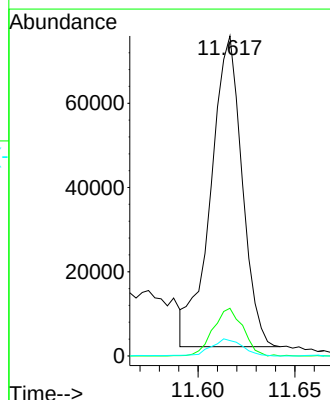
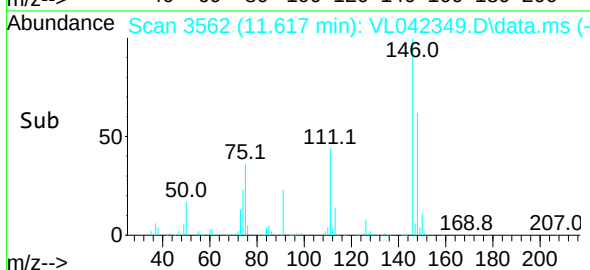
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

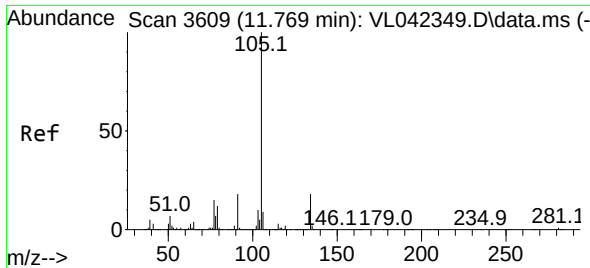


#66
Benzyl Chloride
Concen: 10.333 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



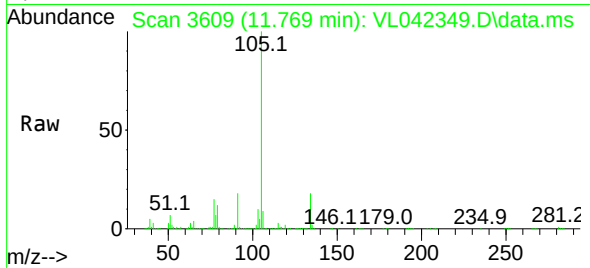
Tgt Ion: 91 Resp: 83269
Ion Ratio Lower Upper
91 100
126 14.7 11.8 17.6
128 5.6 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 8.824 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

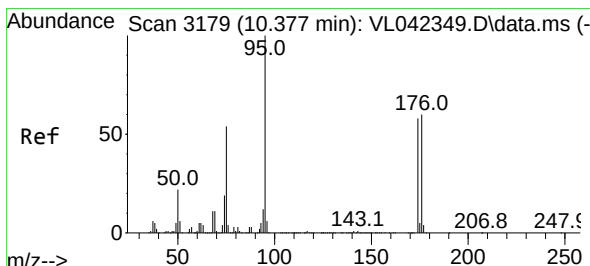
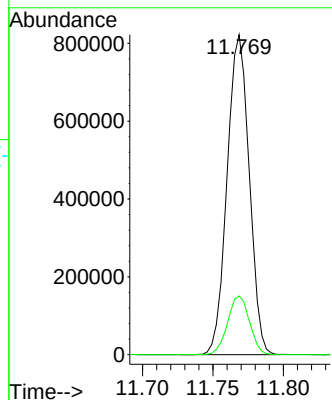
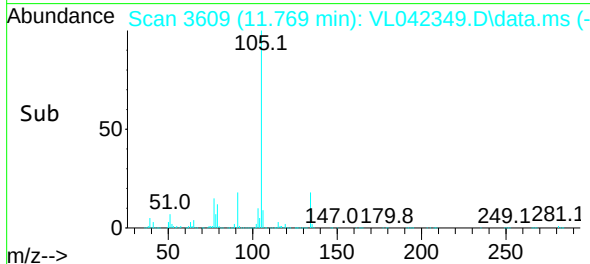
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:105 Resp: 900074
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8

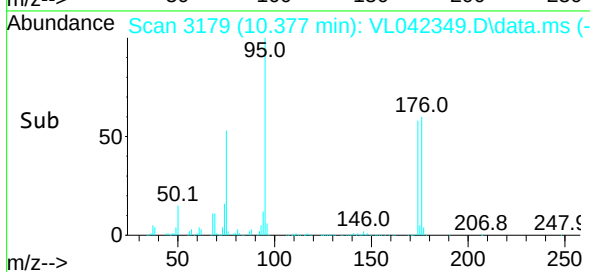
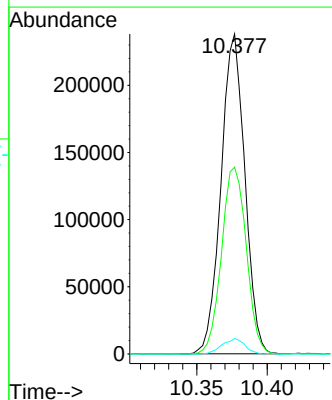
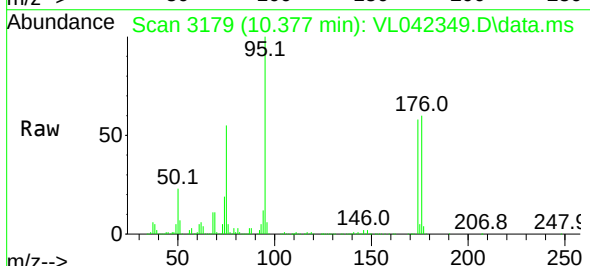
Manual Integrations
 APPROVED

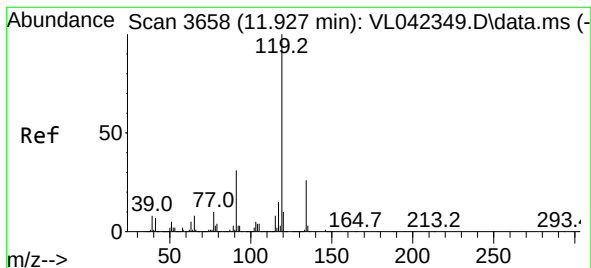
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.114 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042349.D
 Acq: 17 Apr 2025 09:44

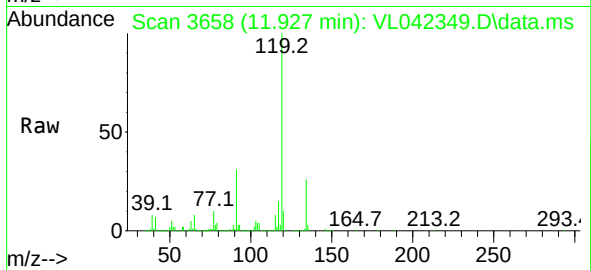
Tgt Ion: 95 Resp: 281013
 Ion Ratio Lower Upper
 95 100
 174 60.6 48.5 72.7
 175 4.6 3.7 5.5





#69
p-Isopropyltoluene
Concen: 8.790 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

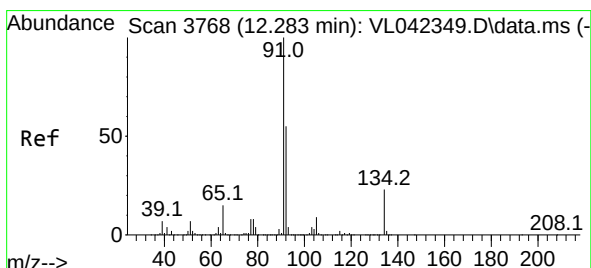
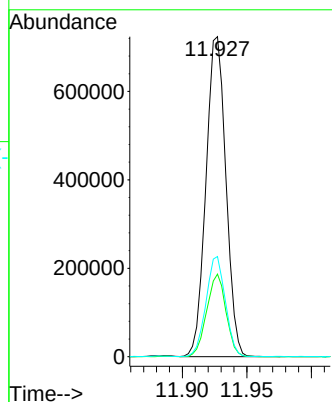
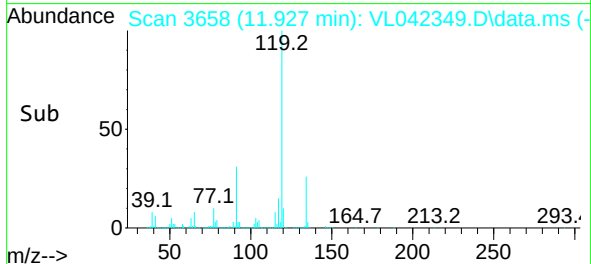
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



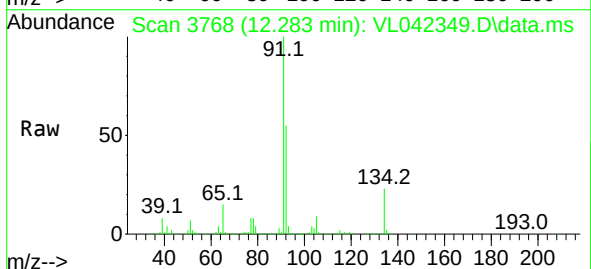
Tgt Ion: 119 Resp: 77898
Ion Ratio Lower Upper
119 100
134 25.0 20.0 30.0
91 30.5 24.4 36.6

Manual Integrations
APPROVED

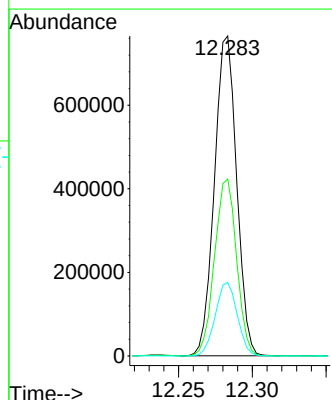
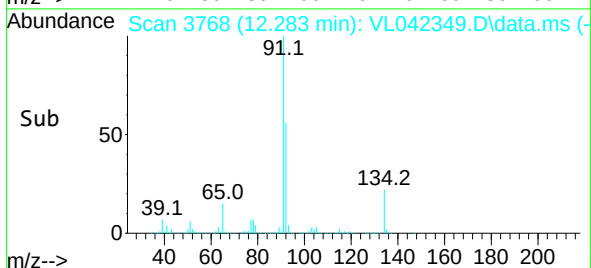
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

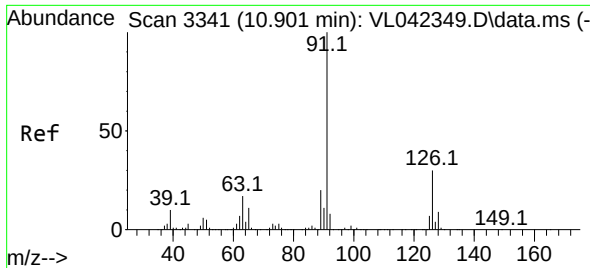


#70
n-Butylbenzene
Concen: 8.682 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion: 91 Resp: 801364
Ion Ratio Lower Upper
91 100
92 55.3 44.2 66.4
134 22.8 18.2 27.4





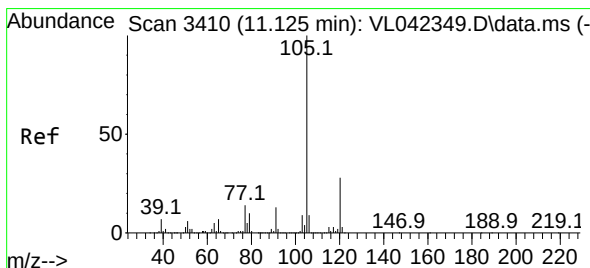
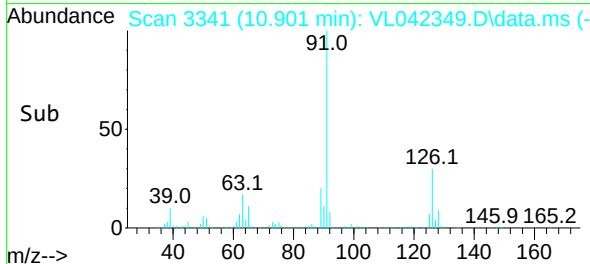
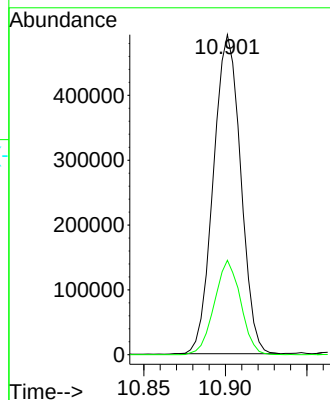
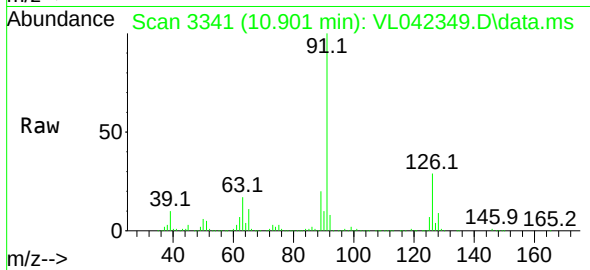
#71
2-Chlorotoluene
Concen: 9.157 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 573039
Ion Ratio Lower Upper
91 100
126 28.4 11.4 45.4

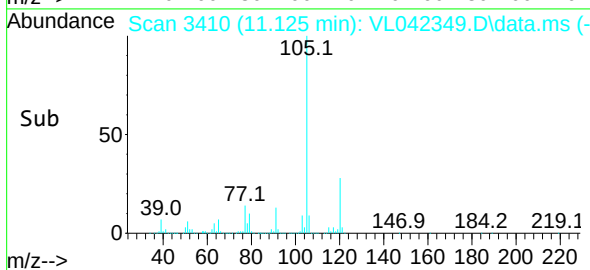
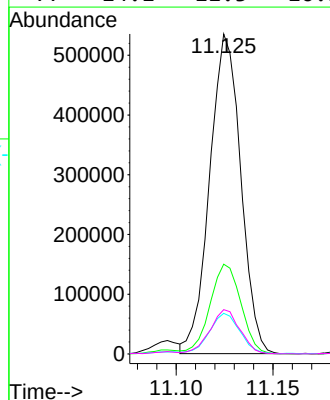
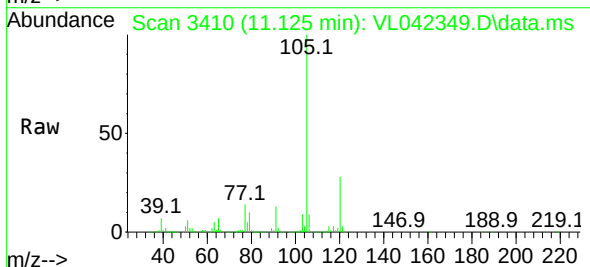
Manual Integrations
APPROVED

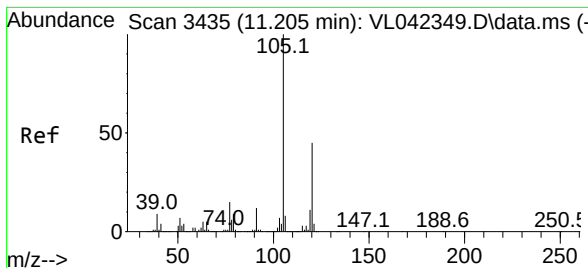
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 8.982 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 596757
Ion Ratio Lower Upper
105 100
120 29.0 23.2 34.8
91 13.0 10.4 15.6
77 14.1 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.743 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 51285

Ion Ratio Lower Upper

105 100

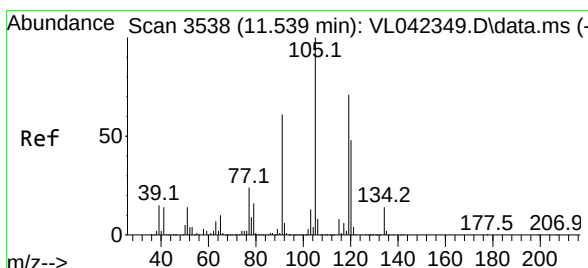
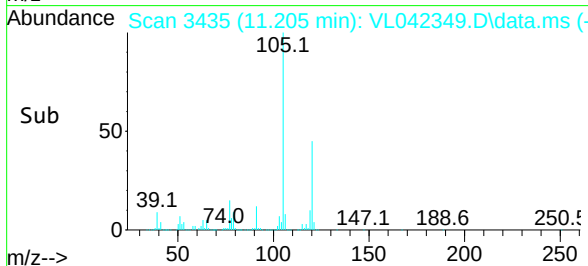
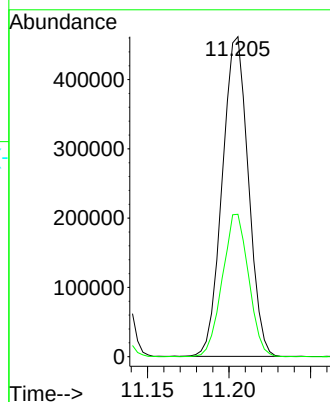
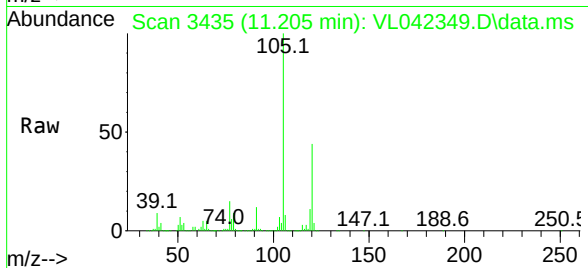
120 44.5 35.6 53.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.248 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 565064

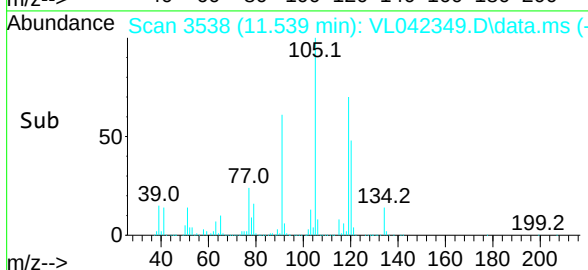
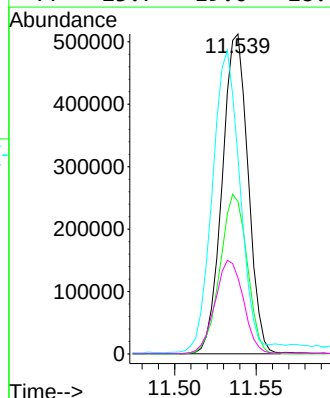
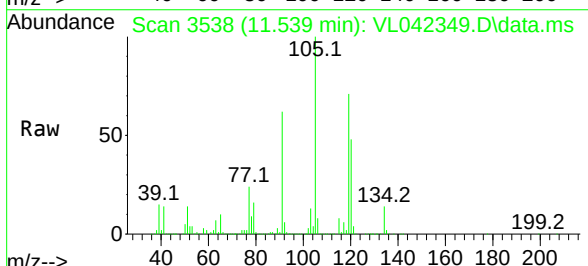
Ion Ratio Lower Upper

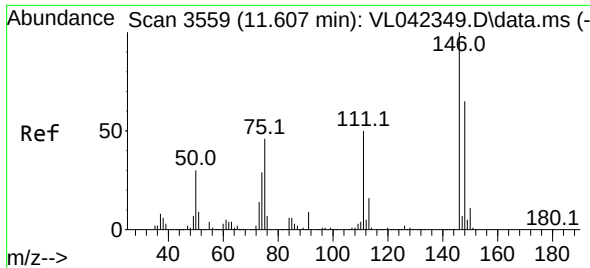
105 100

120 47.6 38.1 57.1

91 61.0 48.8 73.2

77 23.7 19.0 28.4





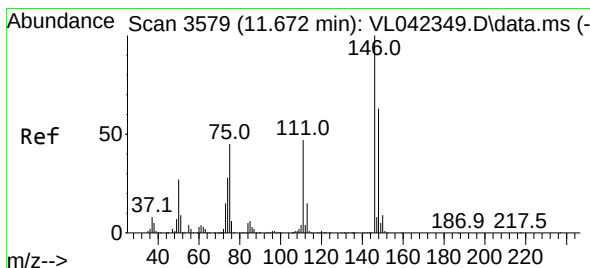
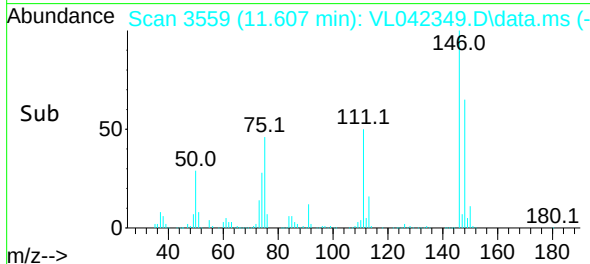
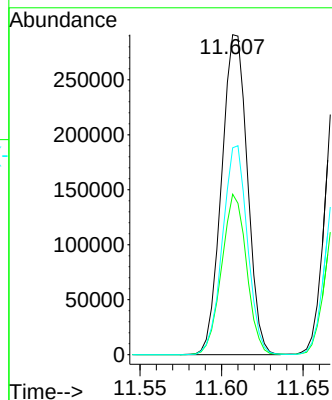
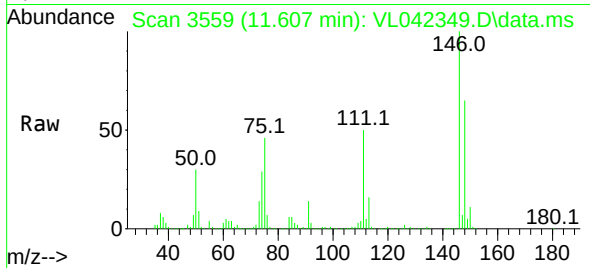
#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 320380
Ion Ratio Lower Upper
146 100
111 48.5 24.3 72.8
148 63.2 31.6 94.8

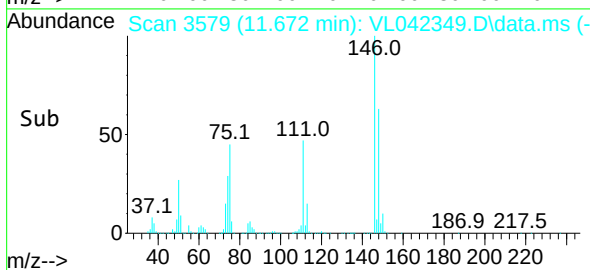
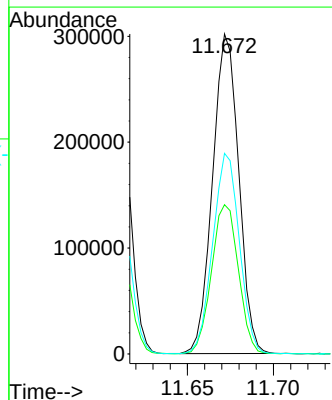
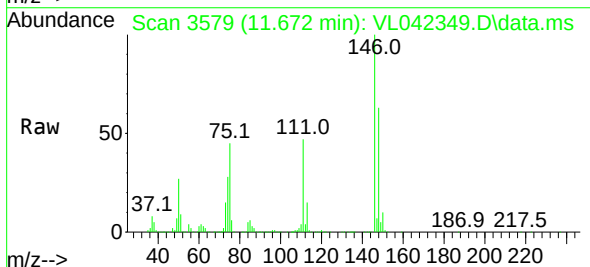
Manual Integrations
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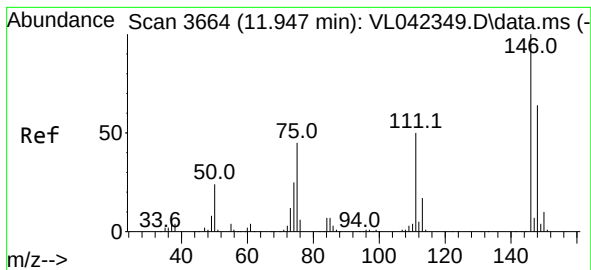
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76
1,4-Dichlorobenzene
Concen: 8.915 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:146 Resp: 319089
Ion Ratio Lower Upper
146 100
111 48.4 24.2 72.6
148 64.3 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 8.832 ppbv

RT: 11.947 min Scan# 30582

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 30582

Ion Ratio Lower Upper

146 100

111 50.6 25.3 75.9

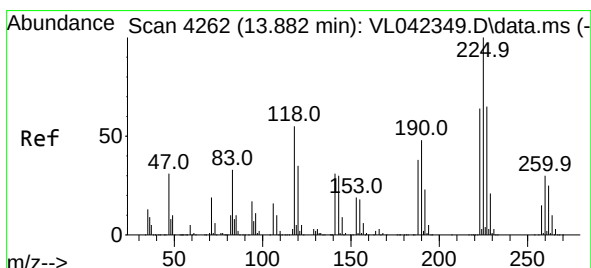
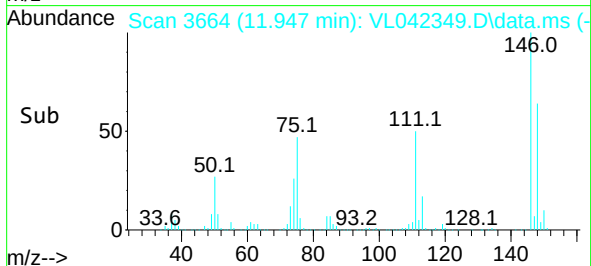
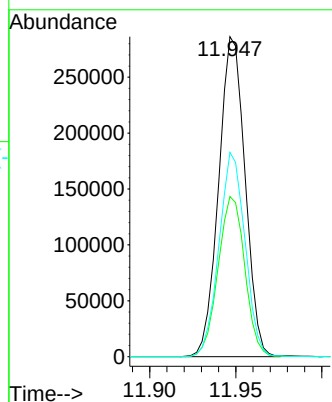
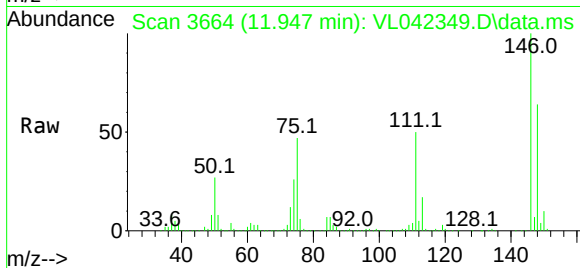
148 63.0 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.346 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

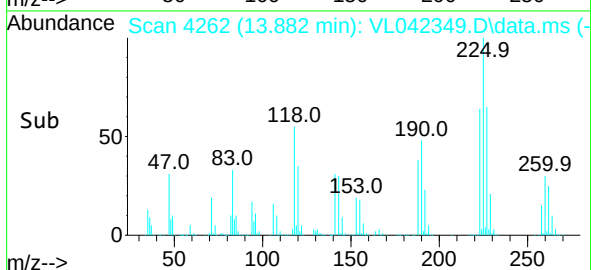
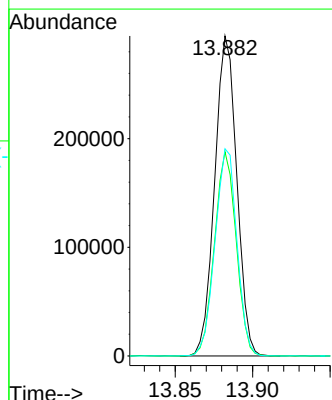
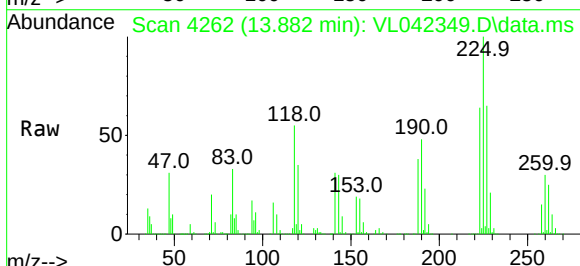
Tgt Ion:225 Resp: 291833

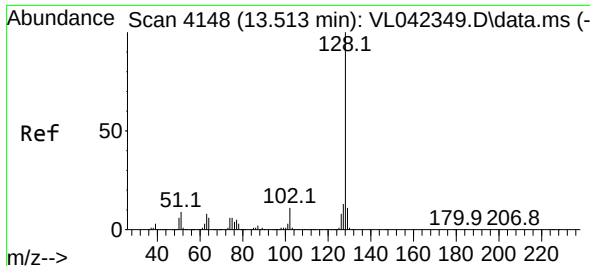
Ion Ratio Lower Upper

225 100

223 62.9 50.3 75.5

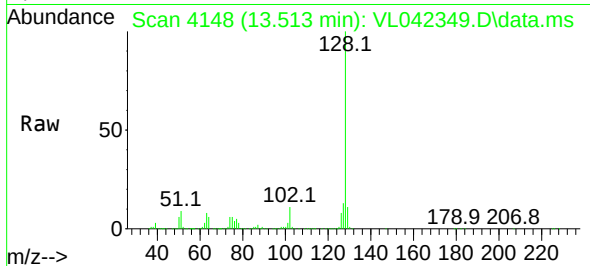
227 64.4 51.5 77.3





#79
Naphthalene
Concen: 8.271 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

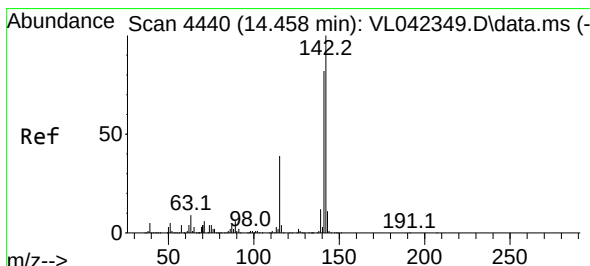
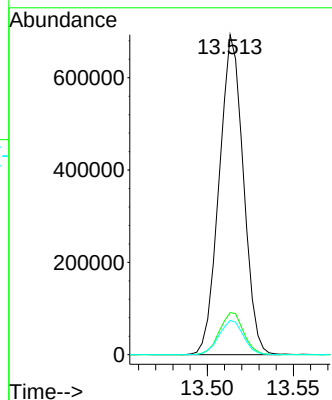
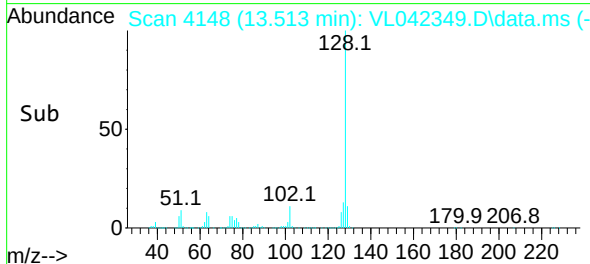
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



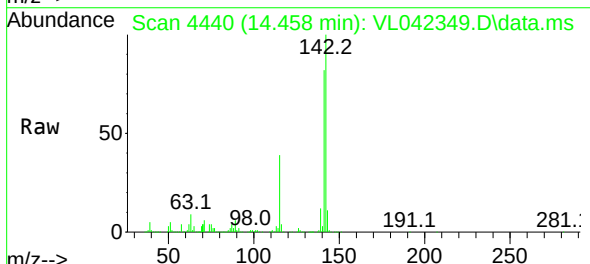
Tgt Ion:128 Resp: 677578
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.6 12.8

Manual Integrations
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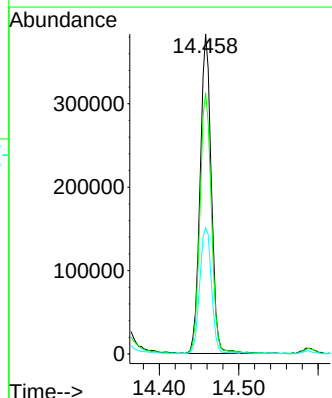
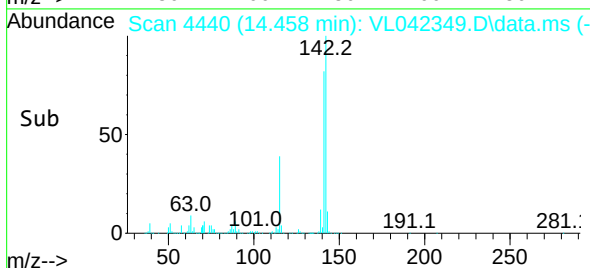
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

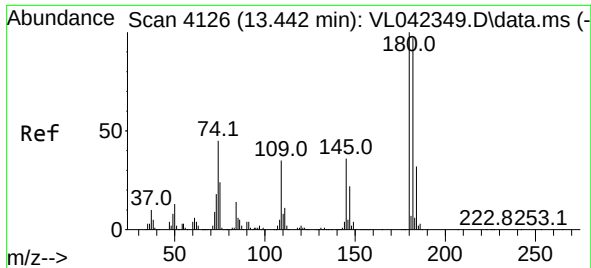


#80
Naphthalene,2-methyl-
Concen: 8.074 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44



Tgt Ion:142 Resp: 376995
Ion Ratio Lower Upper
142 100
141 83.5 66.8 100.2
115 41.8 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 8.702 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042349.D

Acq: 17 Apr 2025 09:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:180 Resp: 306119

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

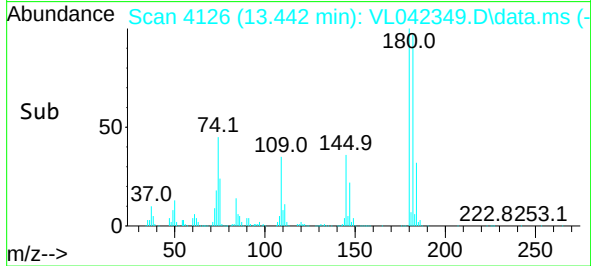
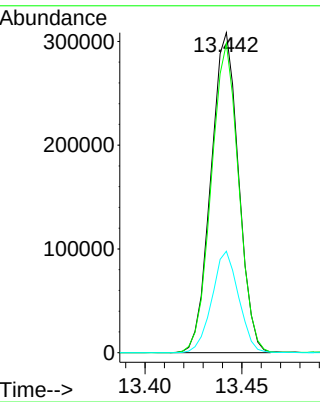
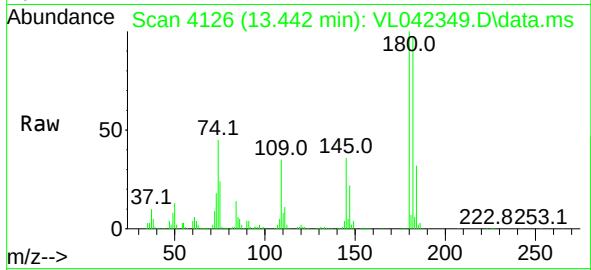
184 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042350.D
 Acq On : 17 Apr 2025 10:17
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Apr 18 01:26:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	123206	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	355918	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	335603	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	275715	9.998	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	45008	2.068	ppbv	95
3) Chlorodifluoromethane	1.476	51	41853	2.019	ppbv	97
4) Chloromethane	1.534	50	17272	2.005	ppbv	93
5) Vinyl Chloride	1.580	62	16979	1.811	ppbv	92
6) Bromomethane	1.667	94	7398	1.821	ppbv #	80
7) Chloroethane	1.706	64	6889	2.031	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	38955	2.084	ppbv	98
9) Propene	1.483	41	18671	1.978	ppbv	97
10) Heptane	4.978	43	54438m	2.143	ppbv	
11) Trichlorofluoromethane	1.877	101	43035	2.079	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	35415	2.092	ppbv	100
13) Ethanol	1.722	45	3034m	3.933	ppbv	
14) Bromoethene	1.780	108	13049	2.045	ppbv #	92
15) Acetone	1.835	43	42949	2.129	ppbv	93
16) 1,3-Butadiene	1.609	39	18110	1.912	ppbv	96
17) tert-Butyl alcohol	2.042	59	51829	2.074	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	15690	1.928	ppbv	87
19) Isopropyl Alcohol	1.887	45	22106	1.973	ppbv #	38
20) Methylene Chloride	2.062	84	14329	1.814	ppbv #	82
21) Allyl Chloride	2.098	41	27340	1.963	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	18142	2.015	ppbv	97
23) Vinyl Acetate	2.463	43	18454	2.260	ppbv #	91
24) 1,1-Dichloroethane	2.411	63	34077	1.993	ppbv	96
25) Ethyl Acetate	2.835	43	101467	2.040	ppbv	99
26) Hexane	2.826	57	40046	1.990	ppbv	99
27) Carbon Disulfide	2.149	76	43975	2.041	ppbv #	64
28) Methyl tert-Butyl Ether	2.441	73	27905	2.116	ppbv	97
29) Chloroform	2.848	83	58946	2.072	ppbv	100
30) Cyclohexane	3.858	84	33195	2.048	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	39249	2.051	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	61442	2.014	ppbv	99
34) 2-Butanone	2.560	43	58249	2.069	ppbv	100
35) Carbon Tetrachloride	3.761	117	60291	1.872	ppbv	88
36) Benzene	3.658	78	79814	2.079	ppbv	98
37) 1,2-Dichloroethane	3.217	62	47398	2.057	ppbv	100
38) Trichloroethene	4.544	130	31826m	1.891	ppbv	
39) 1,2-Dichloropropane	4.315	63	28806	2.012	ppbv	96
40) 1,4-Dioxane	4.593	88	16536m	2.133	ppbv	
41) Tetrahydrofuran	3.059	42	33298	2.047	ppbv	98
42) Bromodichloromethane	4.489	83	64941	2.025	ppbv	97
43) Methyl Methacrylate	4.881	69	35256	2.046	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	139641	2.103	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	36265	2.050	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042350.D
 Acq On : 17 Apr 2025 10:17
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:26:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

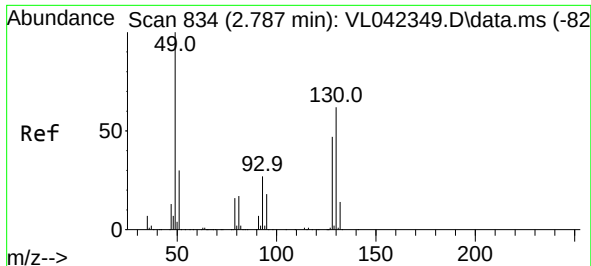
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

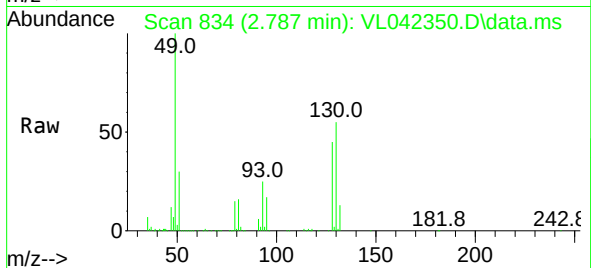
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	45327m	2.096	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	29879	2.049	ppbv	88
48) Dibromochloromethane	7.389	129	53069	2.061	ppbv	100
49) Bromoform	9.483	173	48069	2.135	ppbv	97
50) 4-Methyl-2-Pentanone	5.758	43	102182	2.180	ppbv	99
51) 2-Hexanone	7.441	43	100443	2.375	ppbv	98
52) Tetrachloroethene	8.228	164	27854	1.877	ppbv	96
53) Toluene	6.933	91	97493	2.116	ppbv	98
54) 1,2-Dibromoethane	7.655	107	43153	2.076	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.924	131	42601	2.097	ppbv	95
57) Chlorobenzene	8.924	112	71685	2.054	ppbv	98
58) Ethyl Benzene	9.357	91	138810	2.088	ppbv	98
59) m/p-Xylene	9.532	91	222542m	4.142	ppbv	
60) o-Xylene	9.963	91	111972	2.076	ppbv	98
61) Styrene	9.872	104	54229	2.106	ppbv	98
62) Isopropylbenzene	10.539	105	163716	2.067	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	64952	1.853	ppbv	99
64) n-propylbenzene	10.989	120	40956	2.058	ppbv	96
65) tert-Butylbenzene	11.532	119	155401	2.135	ppbv	92
66) Benzyl Chloride	11.616	91	17300	2.163	ppbv	98
67) sec-Butylbenzene	11.769	105	218327	2.156	ppbv	100
69) p-Isopropyltoluene	11.927	119	188657	2.145	ppbv	99
70) n-Butylbenzene	12.283	91	198221	2.164	ppbv	99
71) 2-Chlorotoluene	10.901	91	128858	2.075	ppbv	98
72) 4-Ethyltoluene	11.124	105	137872	2.091	ppbv	97
73) 1,3,5-Trimethylbenzene	11.205	105	123580	2.123	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	145510	2.140	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	75082	2.124	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	75323	2.120	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	74786	2.176	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	76158	2.194	ppbv	100
79) Naphthalene	13.513	128	195233	2.401	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	119262	2.574	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	82156	2.353	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

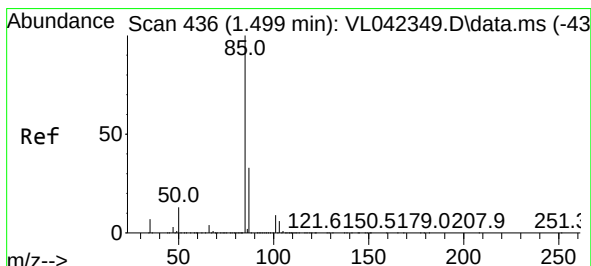
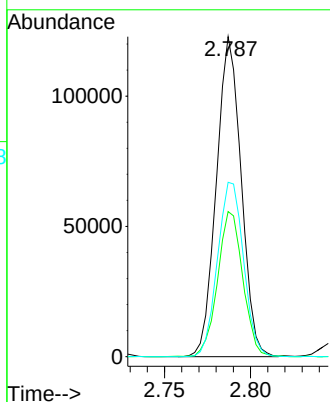
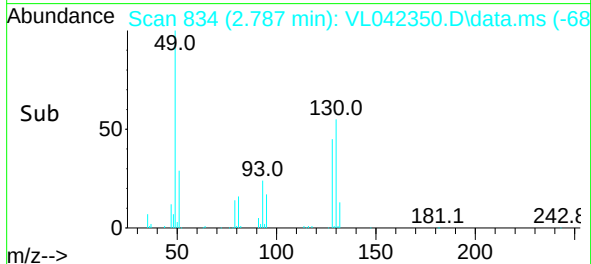
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



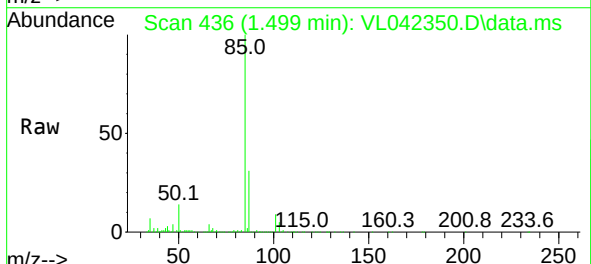
Tgt Ion: 49 Resp: 123200
Ion Ratio Lower Upper
49 100
128 46.2 22.8 68.4
130 57.3 29.3 88.0

Manual Integrations
APPROVED

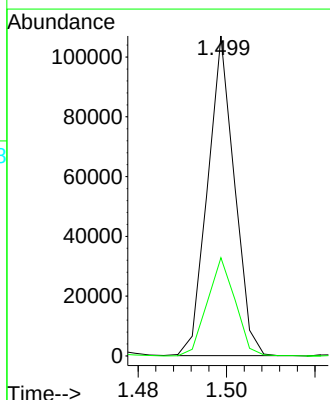
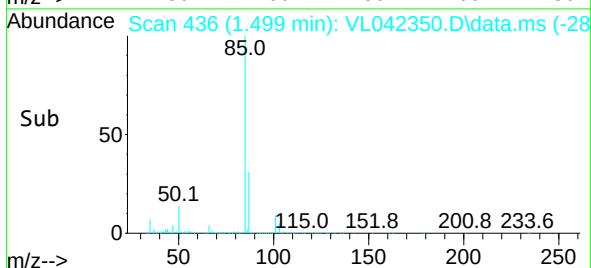
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

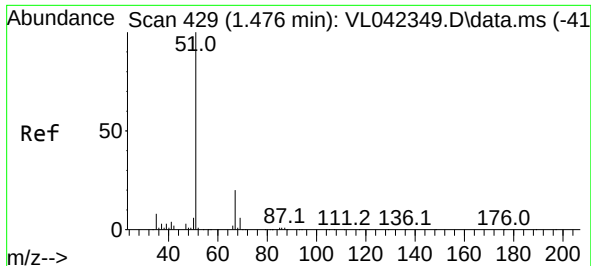


#2
Dichlorodifluoromethane
Concen: 2.068 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



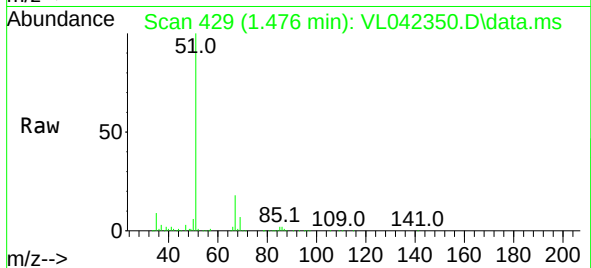
Tgt Ion: 85 Resp: 45008
Ion Ratio Lower Upper
85 100
87 30.6 26.6 39.8





#3
Chlorodifluoromethane
Concen: 2.019 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

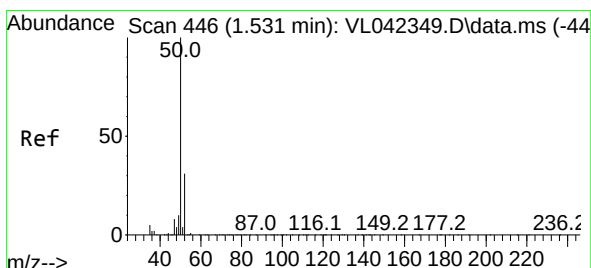
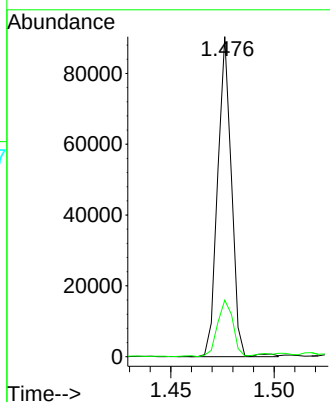
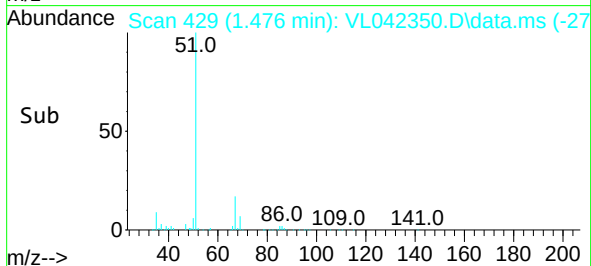
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



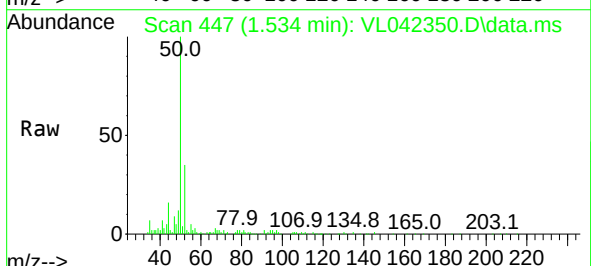
Tgt Ion: 51 Resp: 4185
Ion Ratio Lower Upper
51 100
67 21.7 16.2 24.4

Manual Integrations
APPROVED

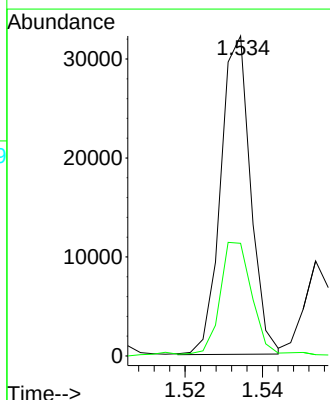
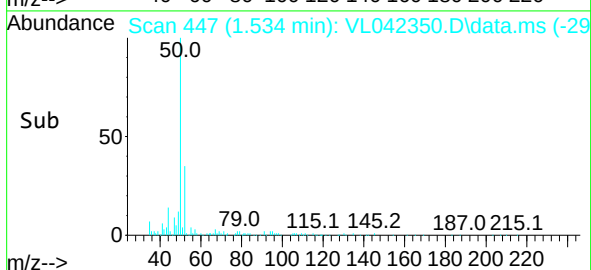
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

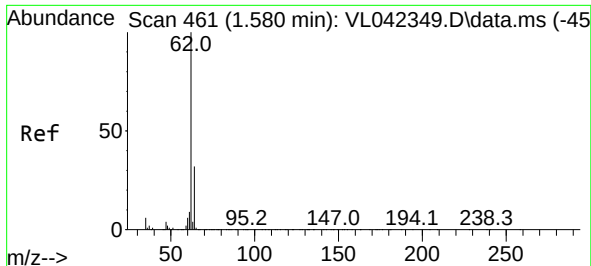


#4
Chloromethane
Concen: 2.005 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



Tgt Ion: 50 Resp: 17272
Ion Ratio Lower Upper
50 100
52 34.9 24.7 37.1





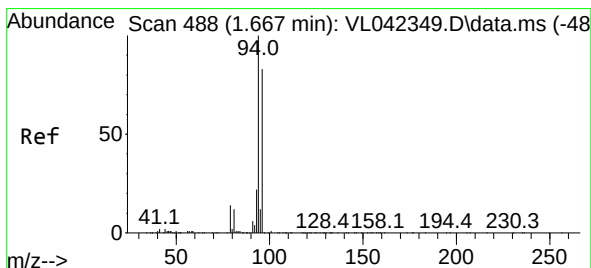
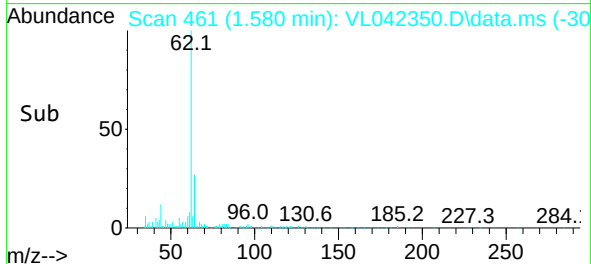
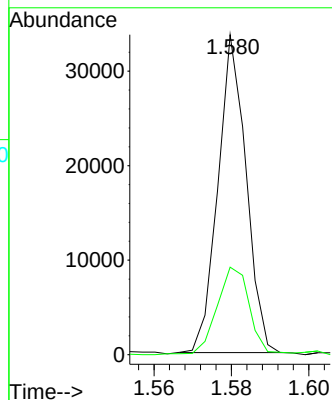
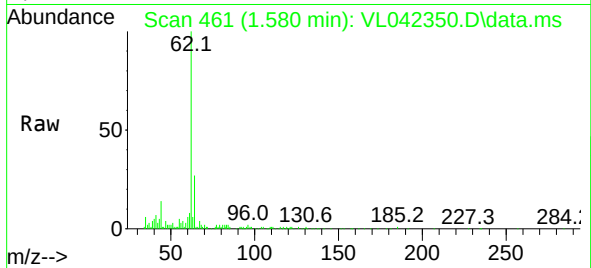
#5
 Vinyl Chloride
 Concen: 1.811 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 62 Resp: 16979
 Ion Ratio Lower Upper
 62 100
 64 27.2 25.4 38.0

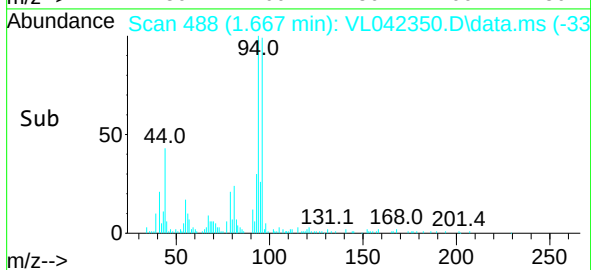
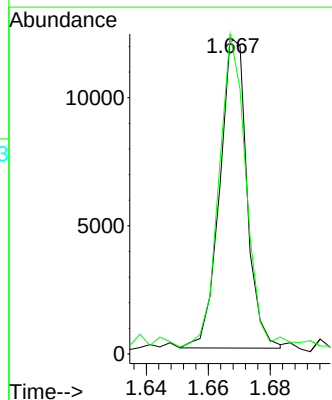
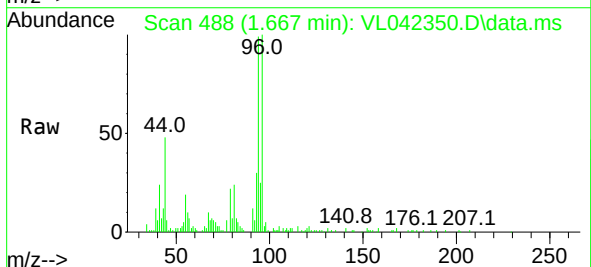
Manual Integrations
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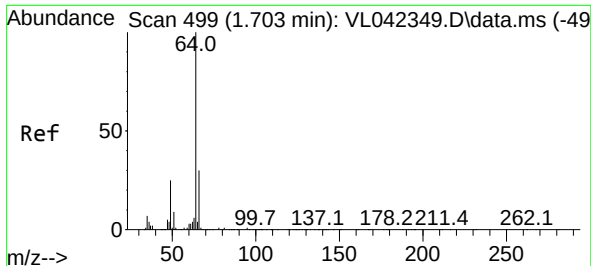
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 1.821 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

Tgt Ion: 94 Resp: 7398
 Ion Ratio Lower Upper
 94 100
 96 100.8 66.2 99.2#





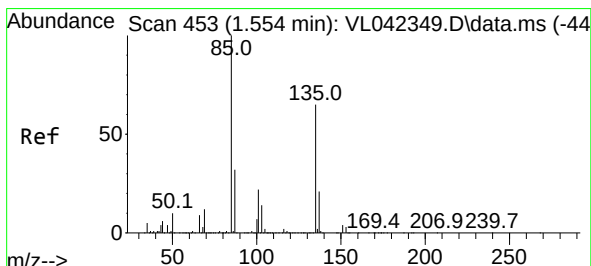
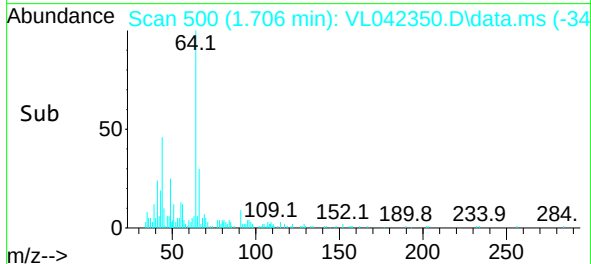
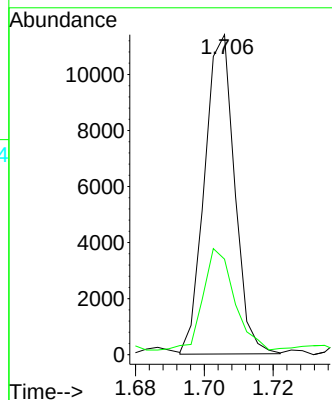
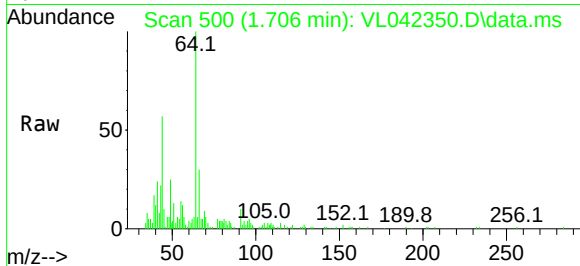
#7
Chloroethane
Concen: 2.031 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 64 Resp: 6889
Ion Ratio Lower Upper
64 100
66 29.8 24.6 37.0

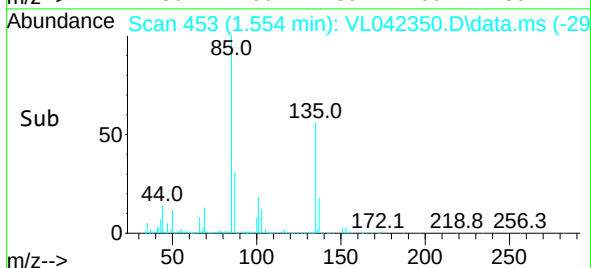
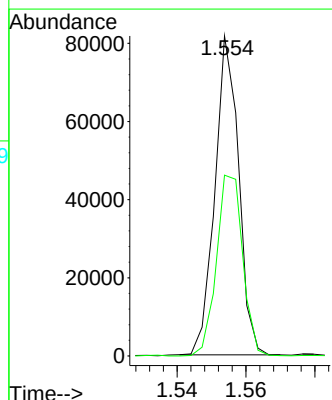
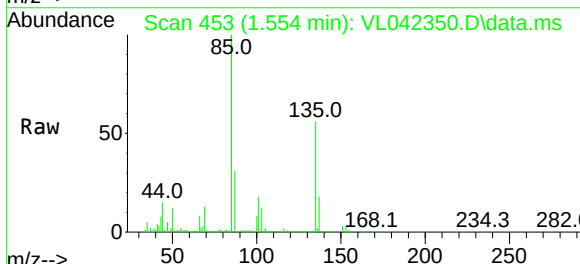
Manual Integrations
APPROVED

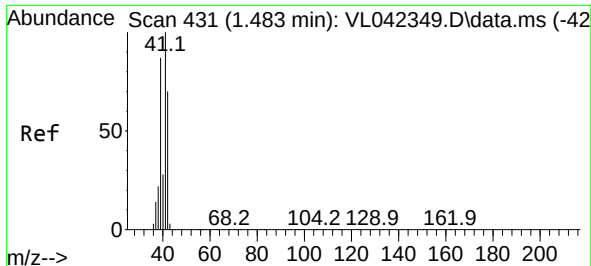
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#8
Dichlorotetrafluoroethane
Concen: 2.084 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 85 Resp: 38955
Ion Ratio Lower Upper
85 100
135 63.3 52.2 78.2





#9

Propene

Concen: 1.978 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 1867

Ion Ratio Lower Upper

41 100

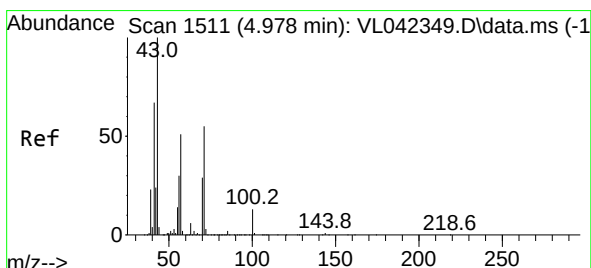
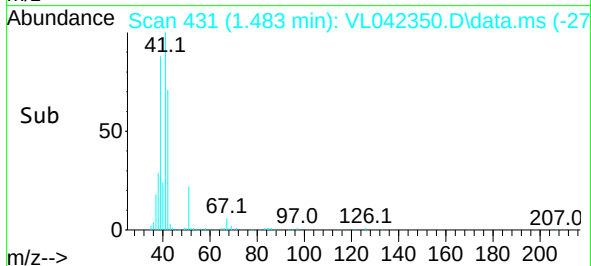
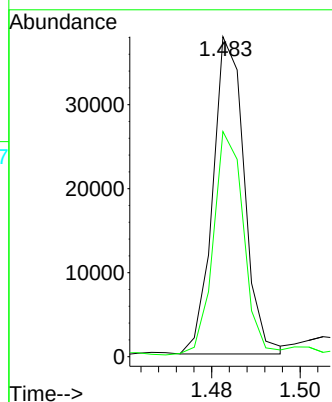
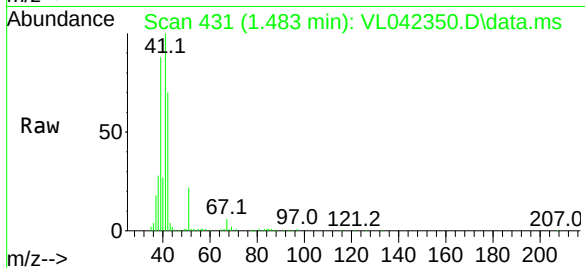
42 72.7 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#10

Heptane

Concen: 2.143 ppbv m

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL042350.D

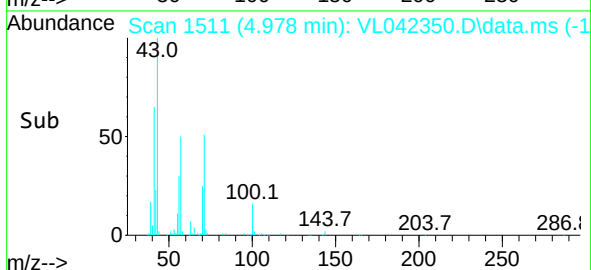
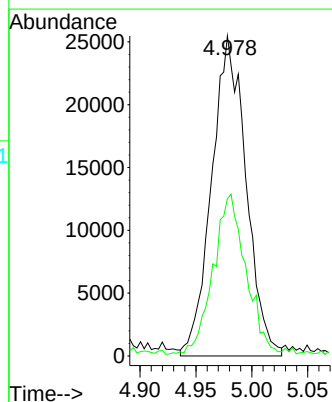
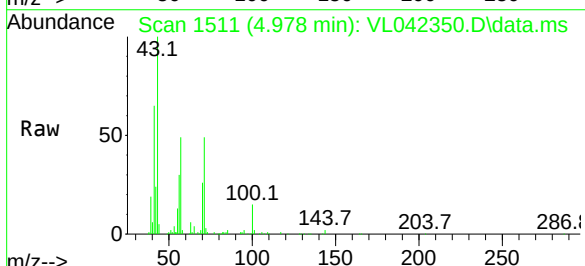
Acq: 17 Apr 2025 10:17

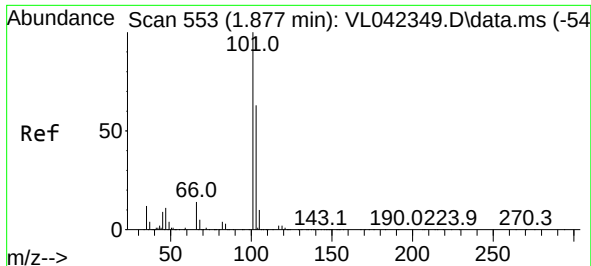
Tgt Ion: 43 Resp: 54438

Ion Ratio Lower Upper

43 100

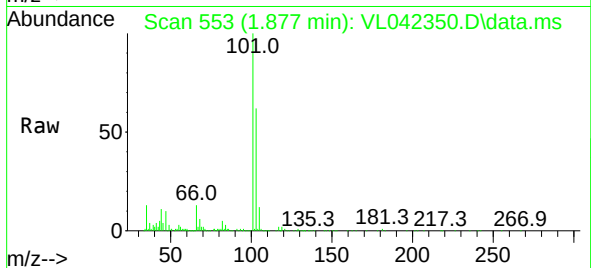
57 48.3 39.9 59.9





#11
Trichlorofluoromethane
Concen: 2.079 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

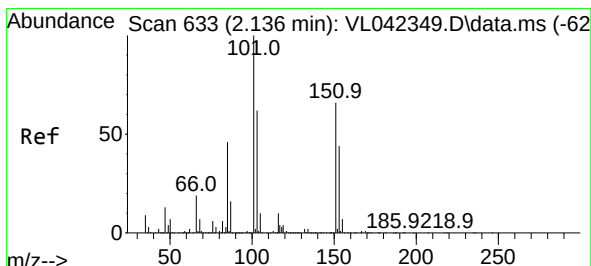
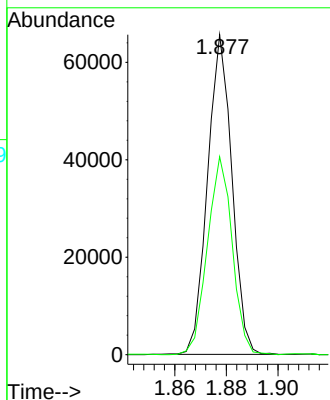
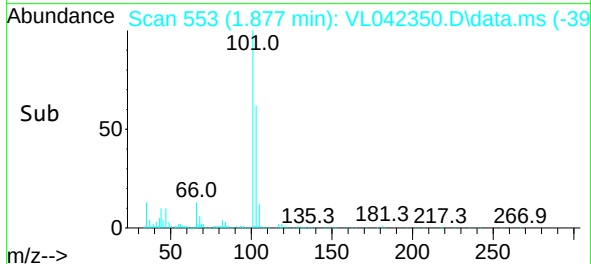
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



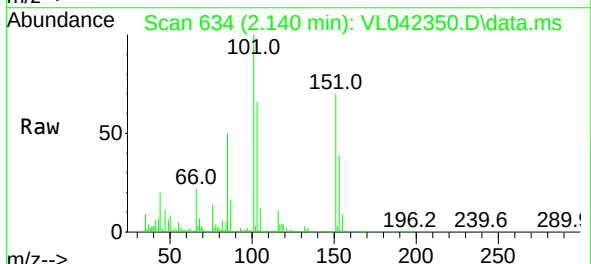
Tgt Ion:101 Resp: 43035
Ion Ratio Lower Upper
101 100
103 61.9 50.1 75.1

Manual Integrations
APPROVED

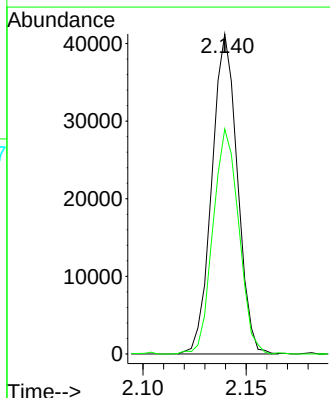
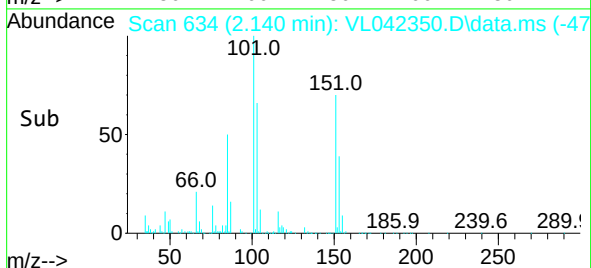
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

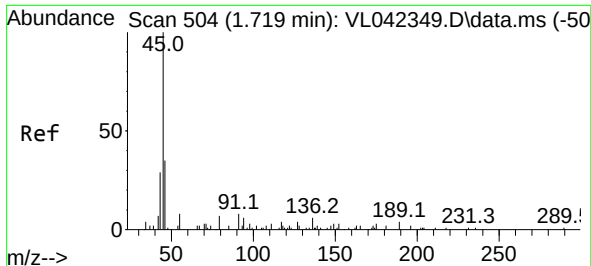


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.092 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



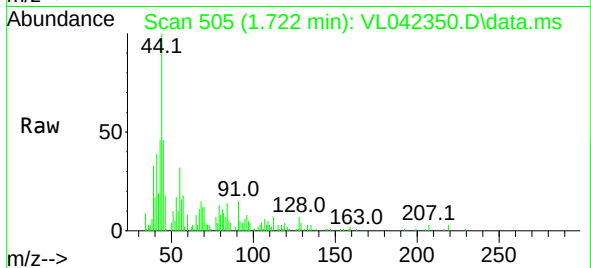
Tgt Ion:101 Resp: 35415
Ion Ratio Lower Upper
101 100
151 71.5 57.0 85.6





#13
Ethanol
Concen: 3.933 ppbv m
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

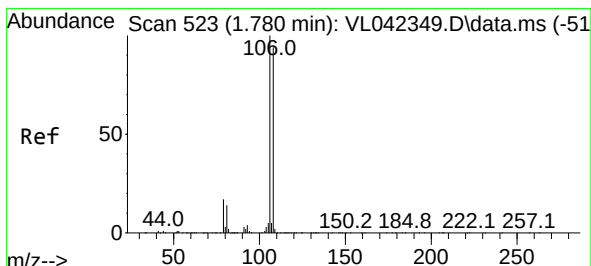
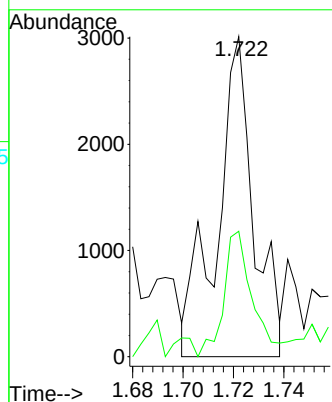
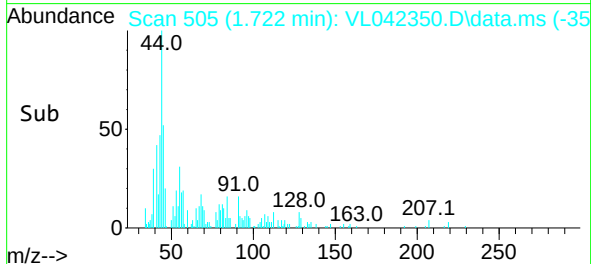
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



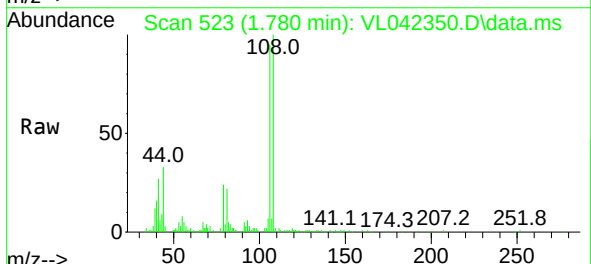
Tgt Ion: 45 Resp: 3034
Ion Ratio Lower Upper
45 100
46 39.3 21.9 87.7

Manual Integrations
APPROVED

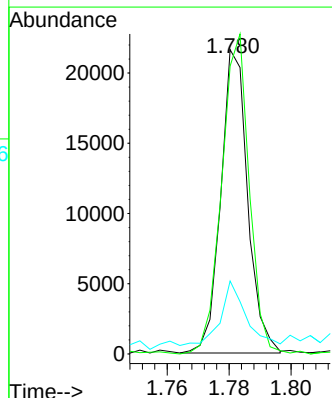
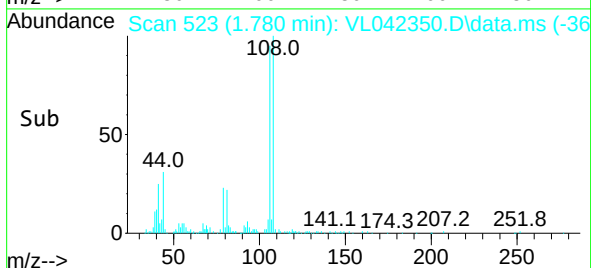
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

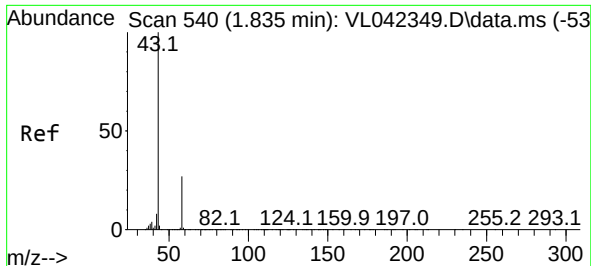


#14
Bromoethene
Concen: 2.045 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



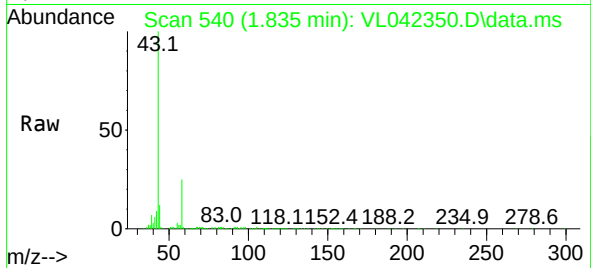
Tgt Ion:108 Resp: 13049
Ion Ratio Lower Upper
108 100
106 110.2 85.9 128.9
79 34.0 13.9 20.9#





#15
Acetone
Concen: 2.129 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

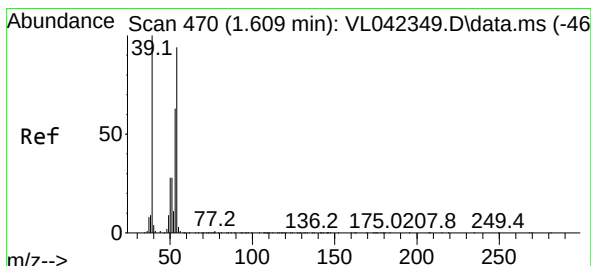
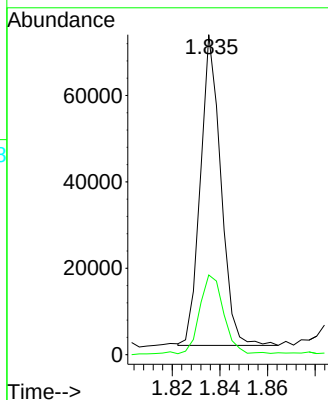
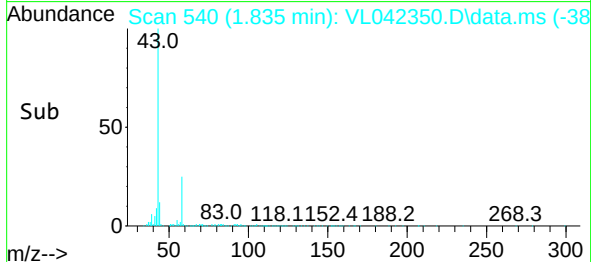
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 42949
Ion Ratio Lower Upper
43 100
58 31.4 22.4 33.6

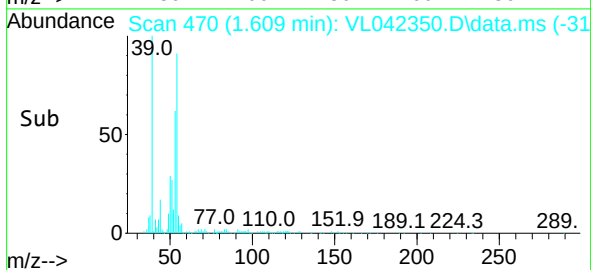
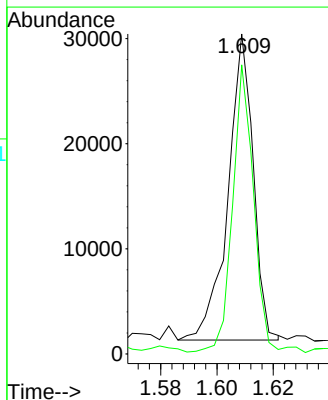
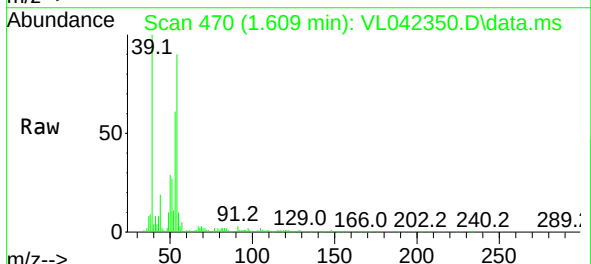
Manual Integrations
APPROVED

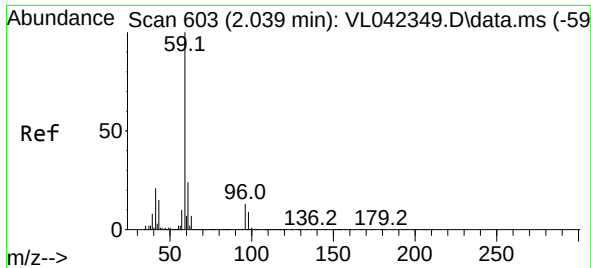
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#16
1,3-Butadiene
Concen: 1.912 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 39 Resp: 18110
Ion Ratio Lower Upper
39 100
54 77.2 64.9 97.3





#17

tert-Butyl alcohol

Concen: 2.074 ppbv

RT: 2.042 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 51829

Ion Ratio Lower Upper

59 100

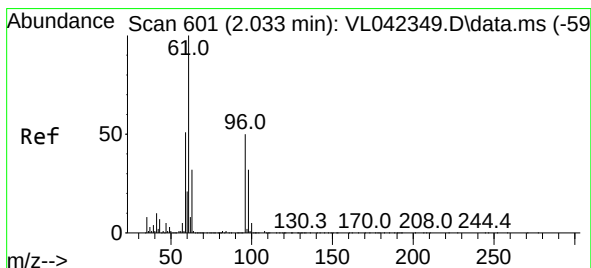
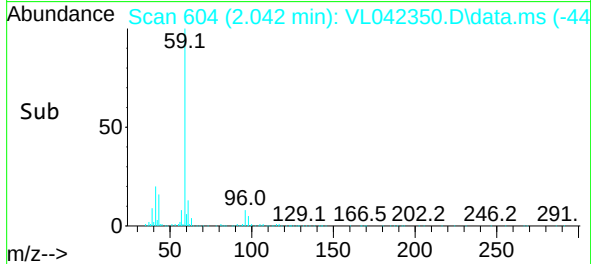
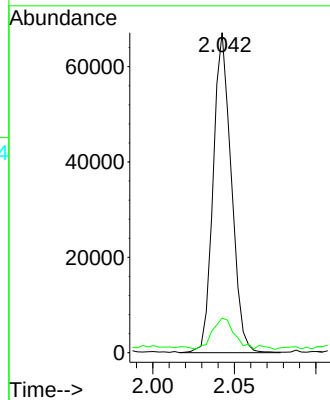
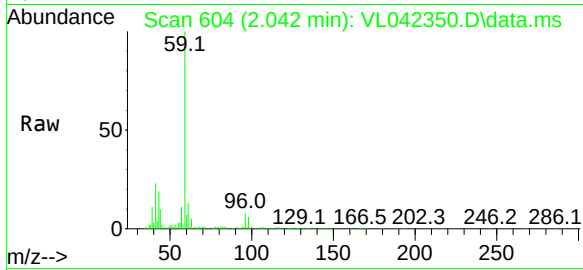
57 13.2 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#18

1,1-Dichloroethene

Concen: 1.928 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

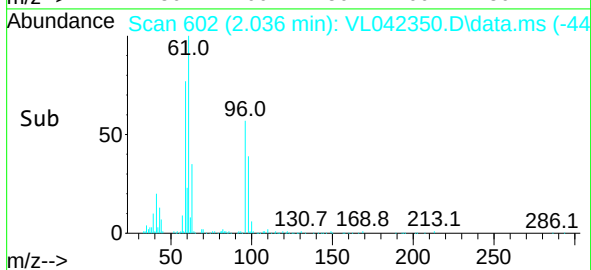
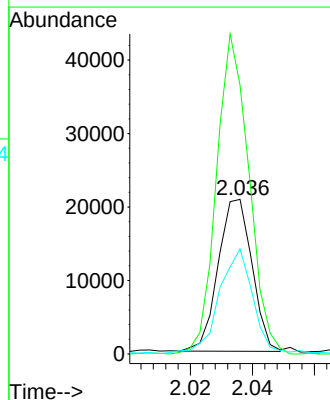
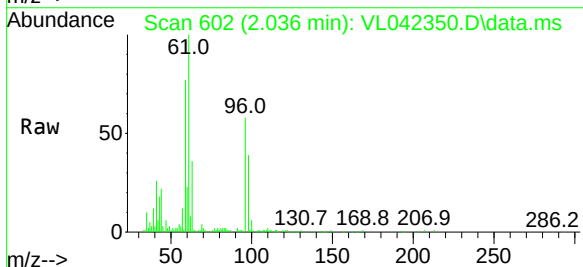
Tgt Ion: 96 Resp: 15690

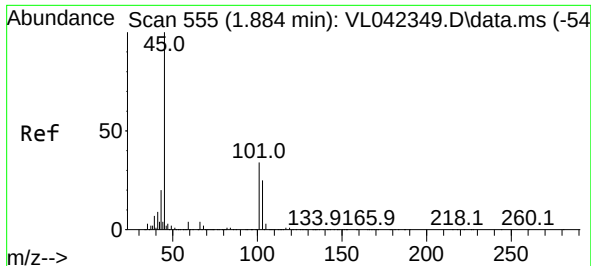
Ion Ratio Lower Upper

96 100

61 176.1 160.2 240.2

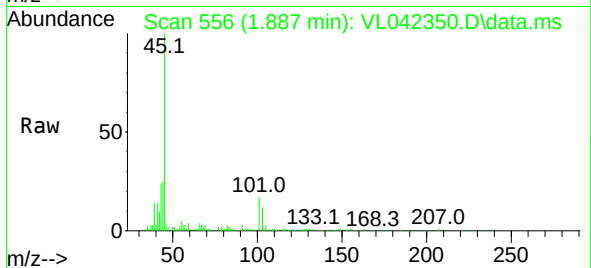
98 67.2 51.0 76.4





#19
Isopropyl Alcohol
Concen: 1.973 ppbv
RT: 1.887 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

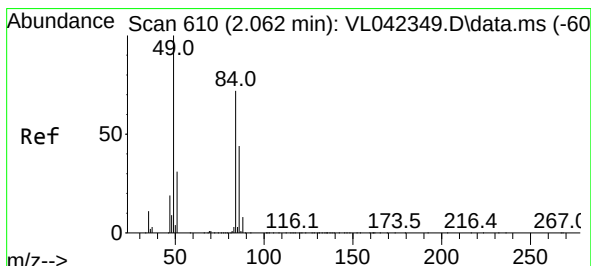
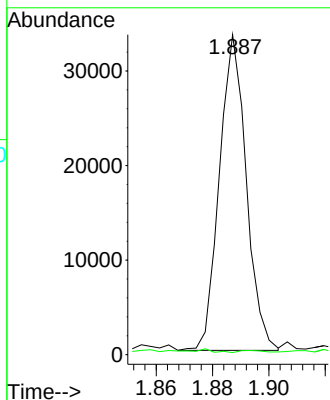
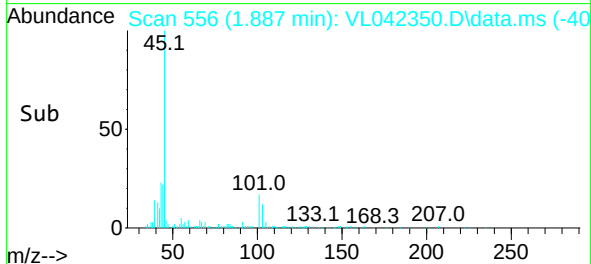
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



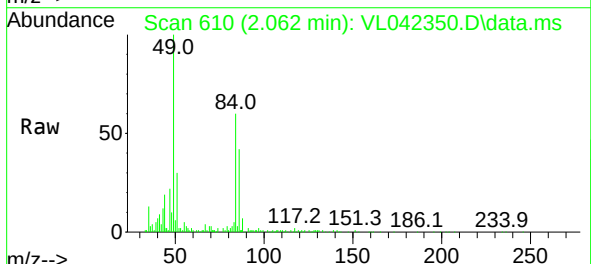
Tgt Ion: 45 Resp: 22100
Ion Ratio Lower Upper
45 100
58 3.6 34.5 51.7

Manual Integrations
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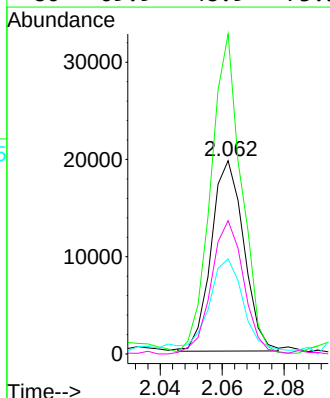
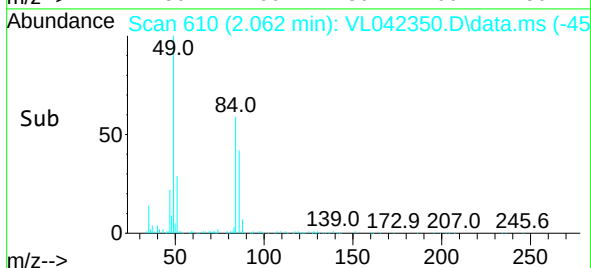
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

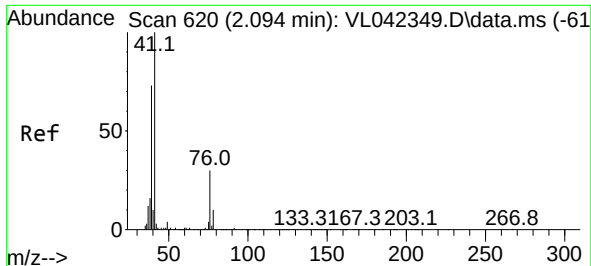


#20
Methylene Chloride
Concen: 1.814 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



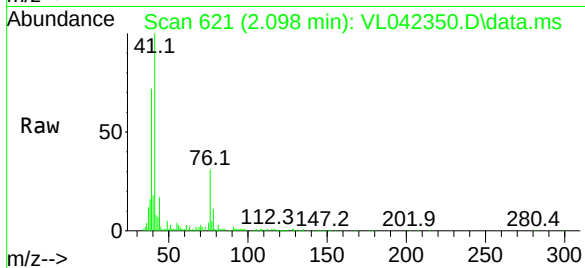
Tgt Ion: 84 Resp: 14329
Ion Ratio Lower Upper
84 100
49 169.1 111.6 167.4#
51 47.9 35.1 52.7
86 69.9 48.9 73.3





#21
 Allyl Chloride
 Concen: 1.963 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

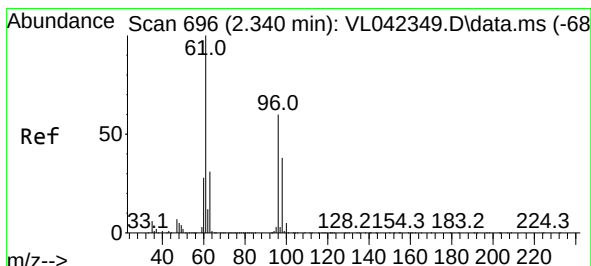
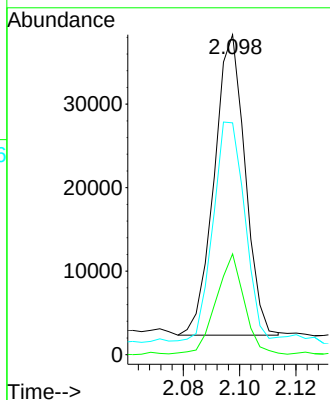
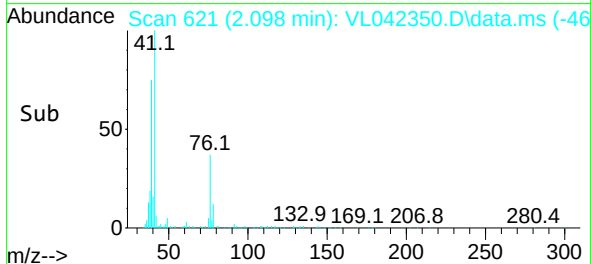
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



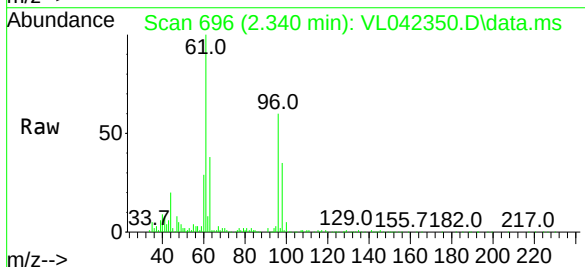
Tgt Ion: 41 Resp: 27340
 Ion Ratio Lower Upper
 41 100
 76 31.9 24.8 37.2
 39 81.2 60.6 90.8

Manual Integrations
 APPROVED

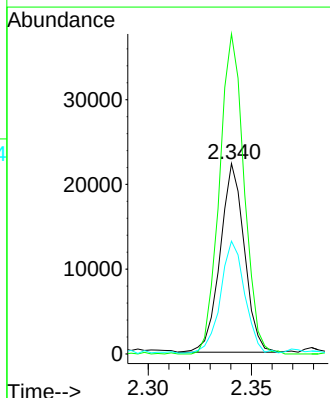
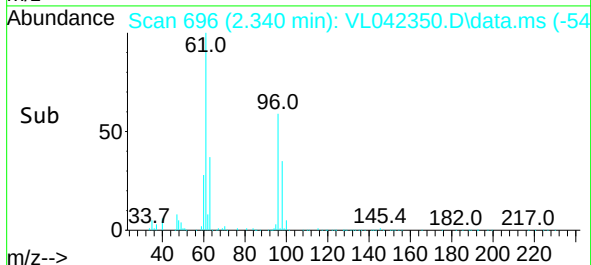
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

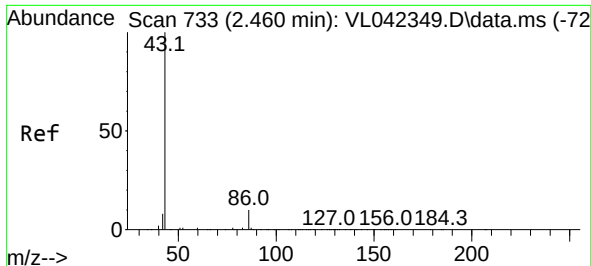


#22
 trans-1,2-Dichloroethene
 Concen: 2.015 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17



Tgt Ion: 96 Resp: 18142
 Ion Ratio Lower Upper
 96 100
 61 169.6 133.7 200.5
 98 59.3 50.3 75.5





#23
 Vinyl Acetate
 Concen: 2.260 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

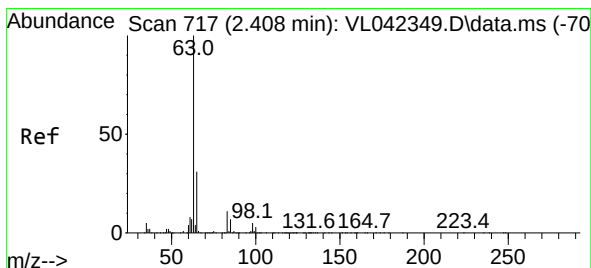
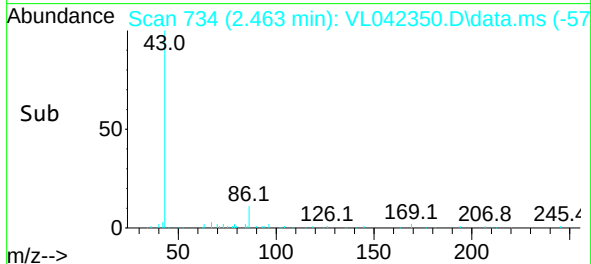
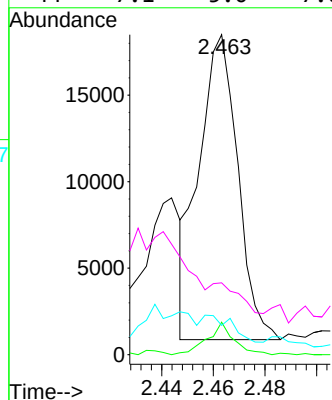
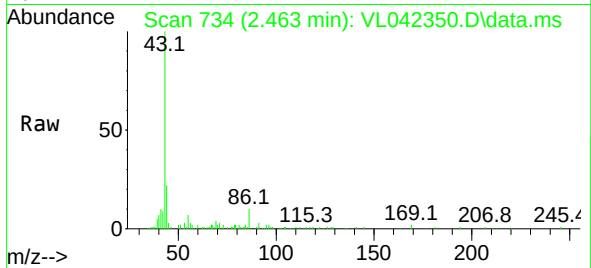
VSTDICC002

Tgt Ion: 43 Resp: 18454
 Ion Ratio Lower Upper
 43 100
 86 10.2 6.5 9.7
 42 3.7 7.8 11.8
 44 7.1 5.0 7.6

Manual Integrations

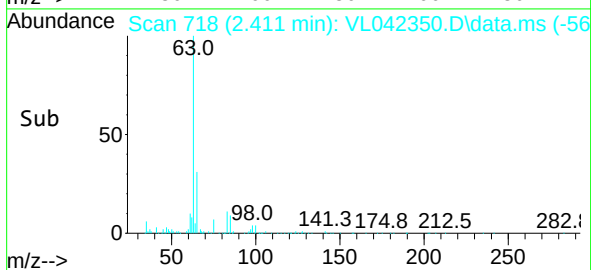
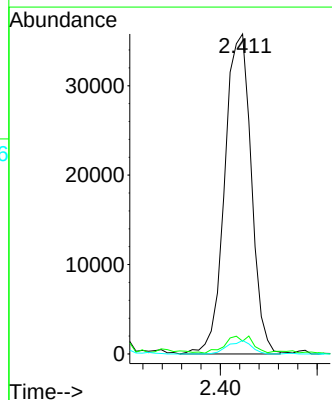
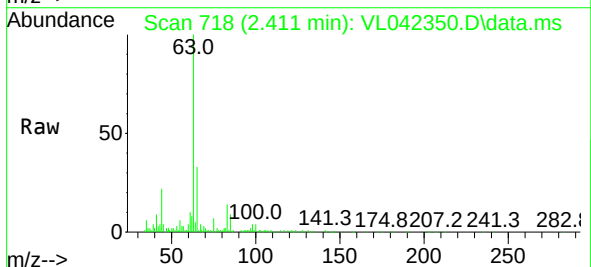
APPROVED

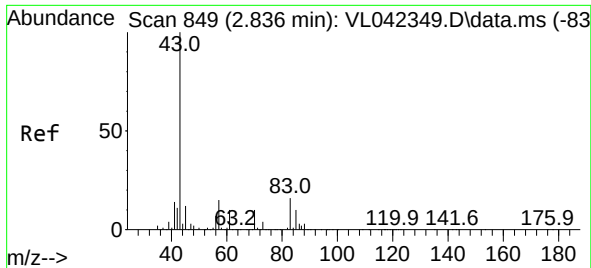
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 1.993 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

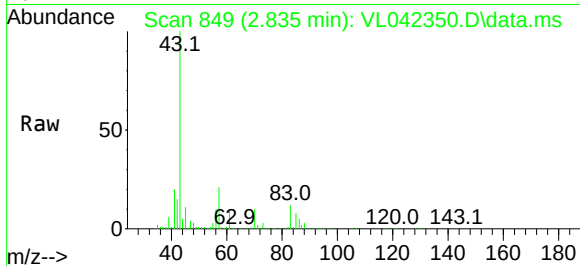
Tgt Ion: 63 Resp: 34077
 Ion Ratio Lower Upper
 63 100
 98 3.1 2.3 6.8
 100 4.2 1.6 4.8





#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

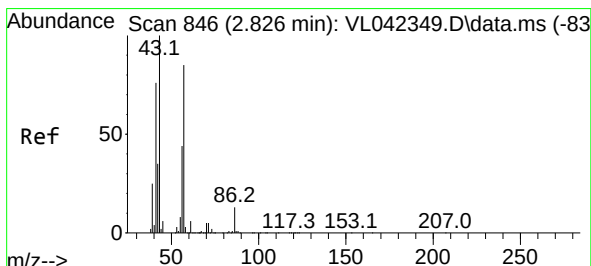
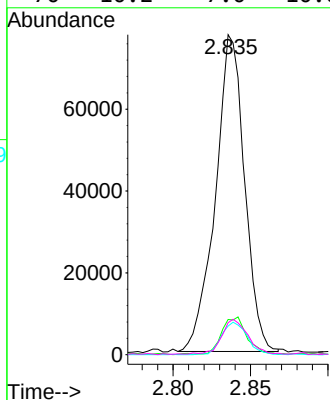
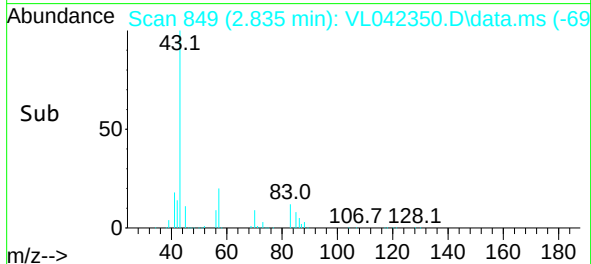
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



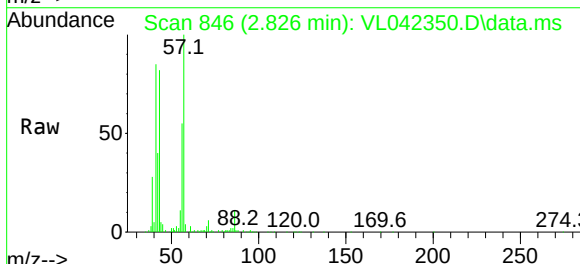
Tgt Ion: 43 Resp: 10146
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 9.2 7.3 10.9
70 10.2 7.0 10.6

Manual Integrations
APPROVED

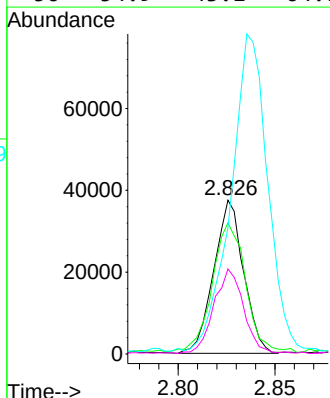
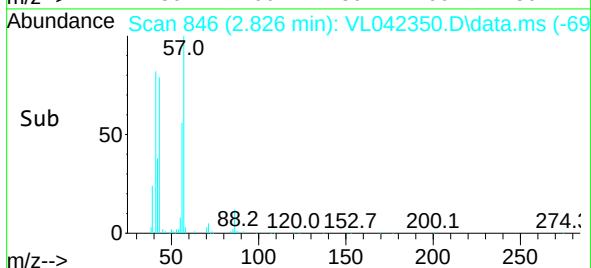
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

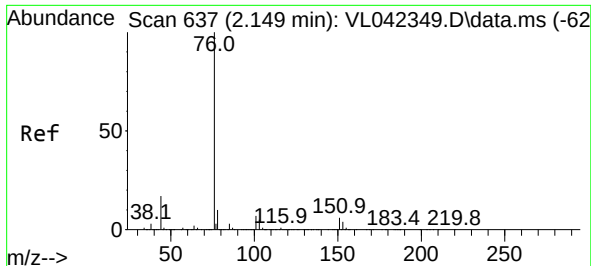


#26
Hexane
Concen: 1.990 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



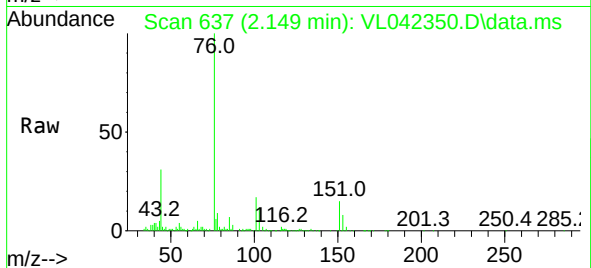
Tgt Ion: 57 Resp: 40046
Ion Ratio Lower Upper
57 100
41 94.1 77.9 116.9
43 260.7 208.4 312.6
56 54.9 43.1 64.7





#27
Carbon Disulfide
Concen: 2.041 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

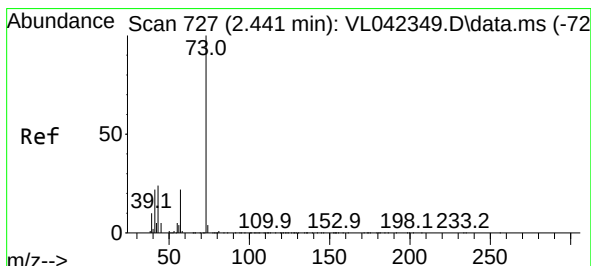
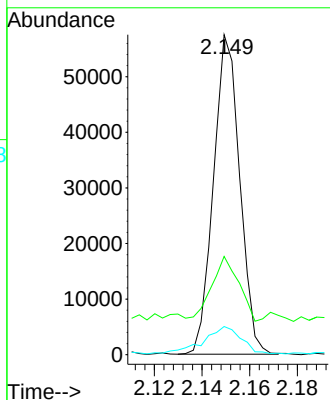
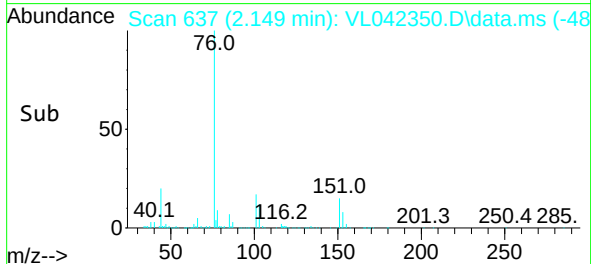
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



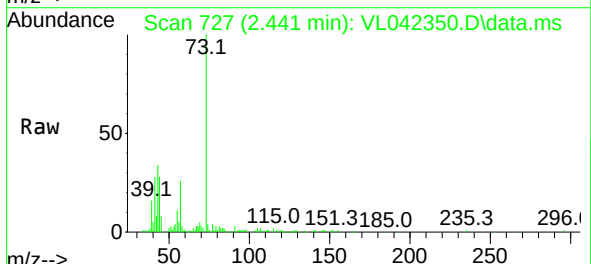
Tgt Ion: 76 Resp: 43975
Ion Ratio Lower Upper
76 100
44 44.3 15.5 23.3
78 13.6 9.3 13.9

Manual Integrations
APPROVED

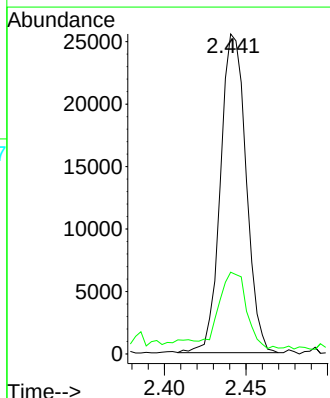
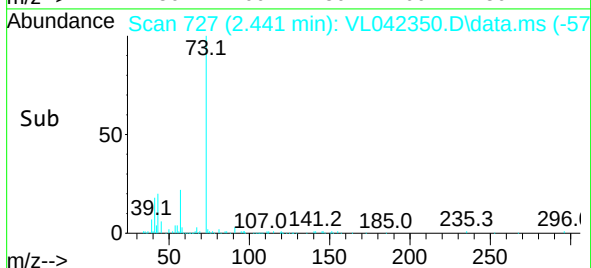
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

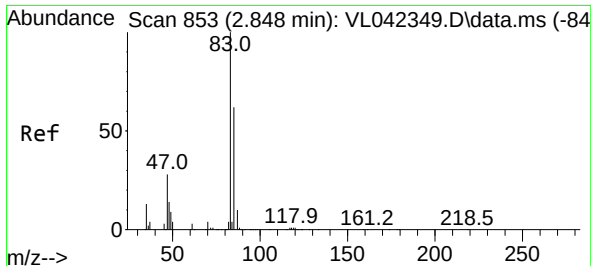


#28
Methyl tert-Butyl Ether
Concen: 2.116 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



Tgt Ion: 73 Resp: 27905
Ion Ratio Lower Upper
73 100
57 28.1 21.3 31.9





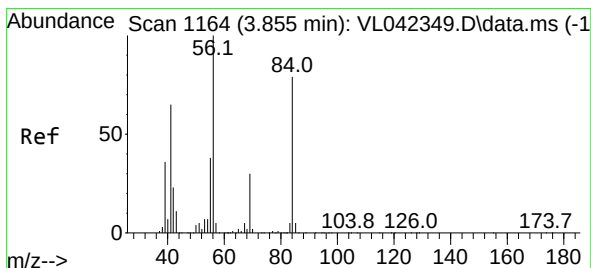
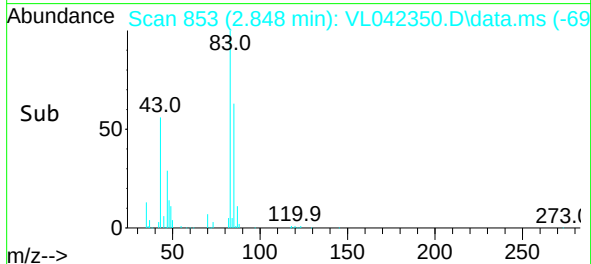
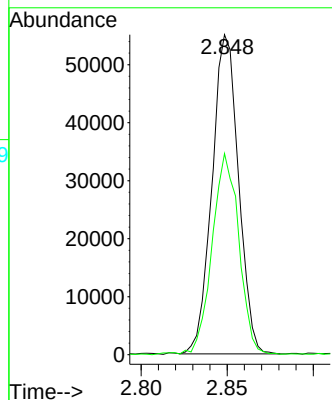
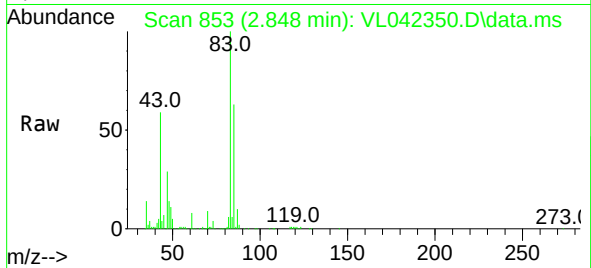
#29
Chloroform
Concen: 2.072 ppbv
RT: 2.848 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 58940
Ion Ratio Lower Upper
83 100
85 62.9 50.0 75.0

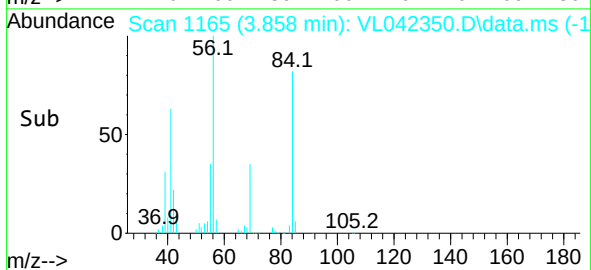
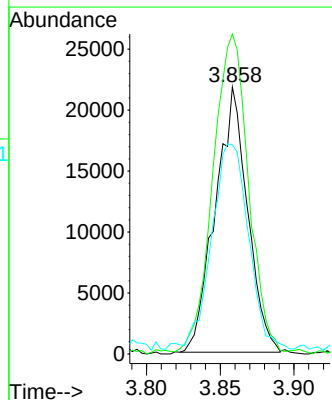
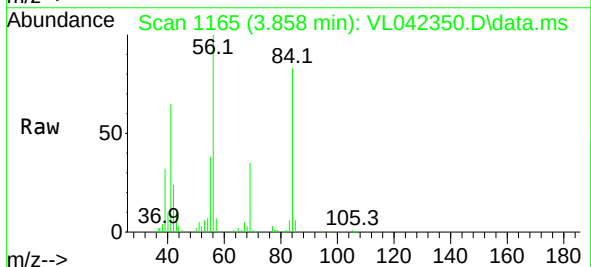
Manual Integrations
APPROVED

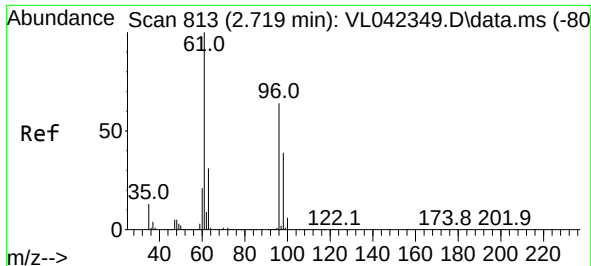
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#30
Cyclohexane
Concen: 2.048 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

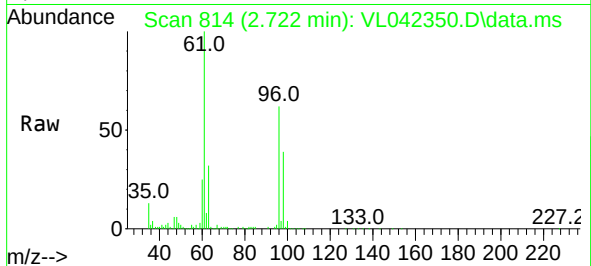
Tgt Ion: 84 Resp: 33195
Ion Ratio Lower Upper
84 100
56 134.5 101.0 151.4
41 88.1 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 2.051 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

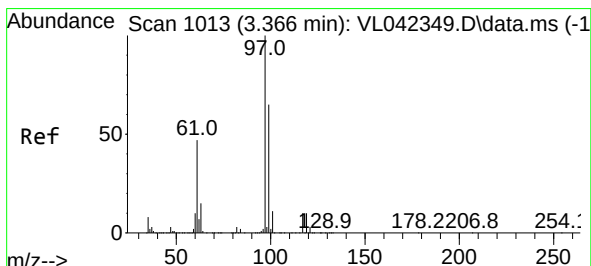
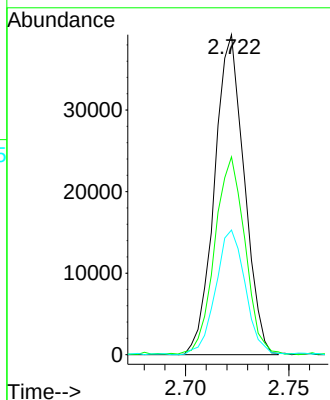
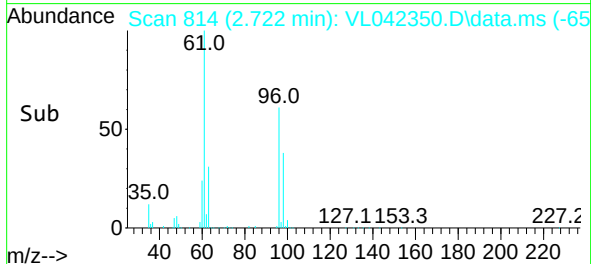
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



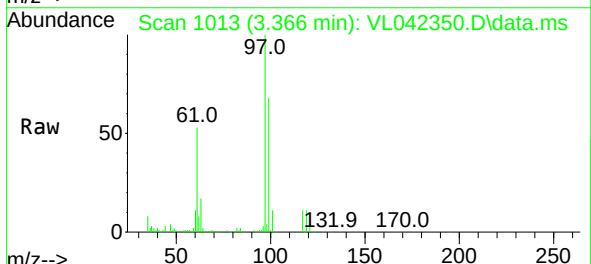
Tgt Ion: 61 Resp: 39249
 Ion Ratio Lower Upper
 61 100
 96 61.6 50.8 76.2
 98 39.0 30.9 46.3

Manual Integrations
 APPROVED

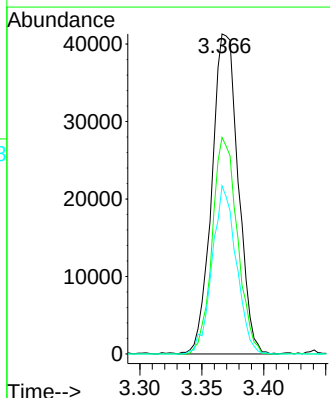
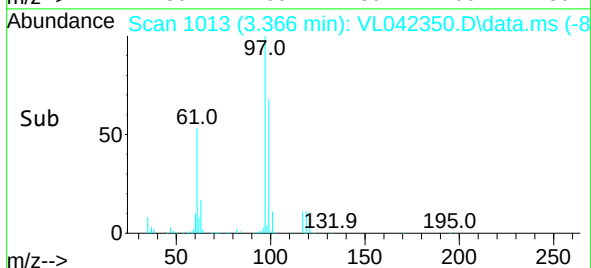
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

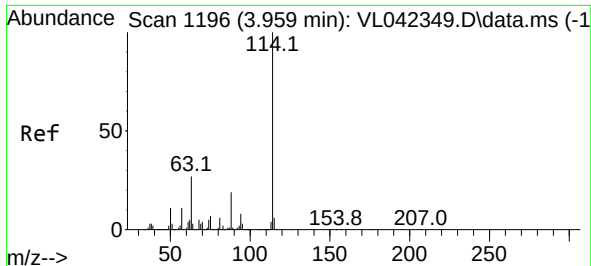


#32
 1,1,1-Trichloroethane
 Concen: 2.014 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17



Tgt Ion: 97 Resp: 61442
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.4
 61 48.0 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

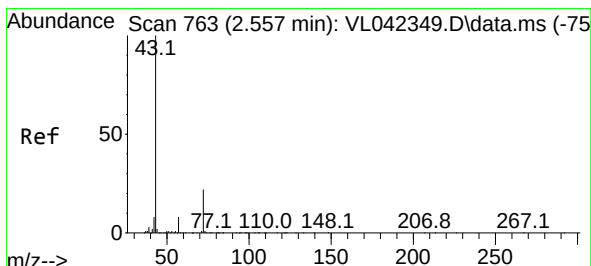
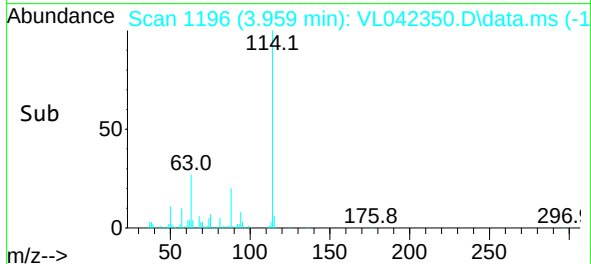
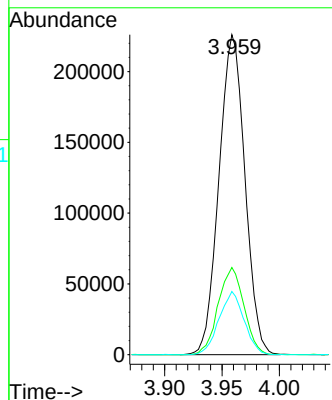
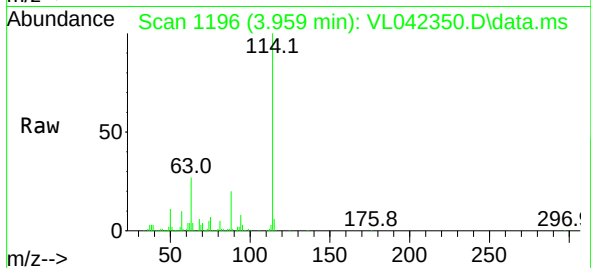
VSTDICC002

Tgt Ion:	114	Resp:	355918
Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.8	32.6
88	19.0	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#34

2-Butanone

Concen: 2.069 ppbv

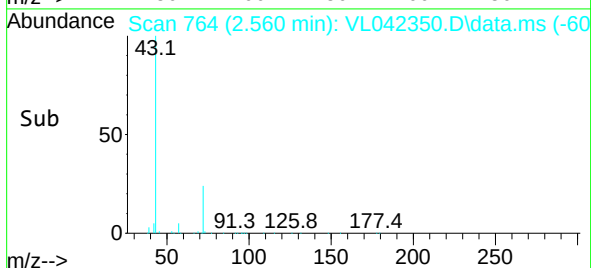
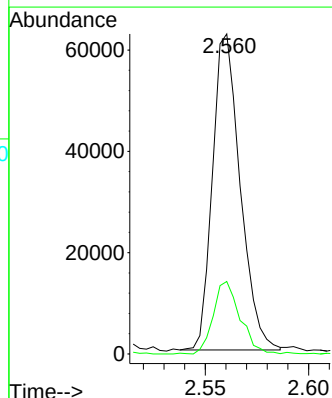
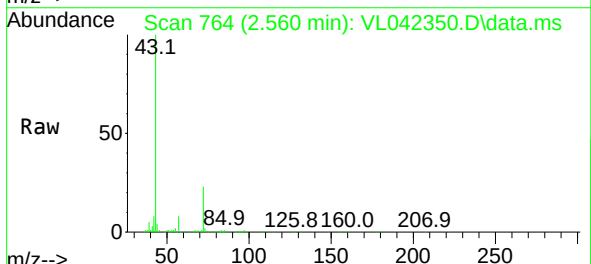
RT: 2.560 min Scan# 764

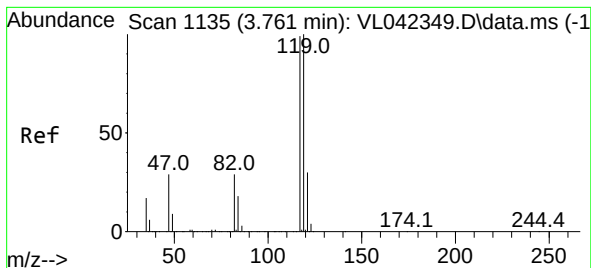
Delta R.T. 0.003 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Tgt Ion:	43	Resp:	58249
Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.2	27.2





#35

Carbon Tetrachloride

Concen: 1.872 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

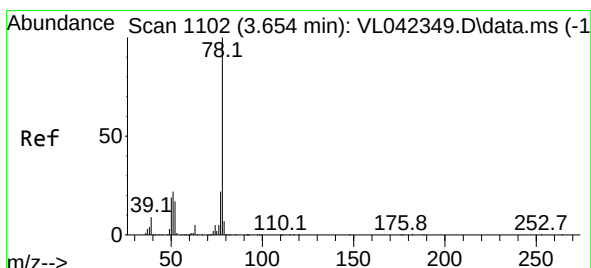
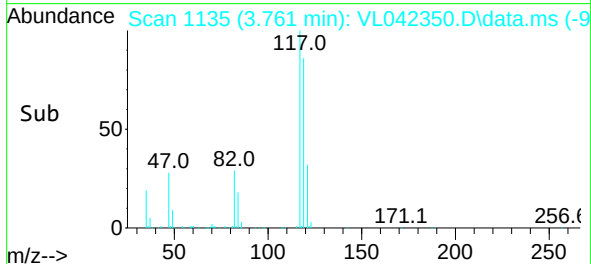
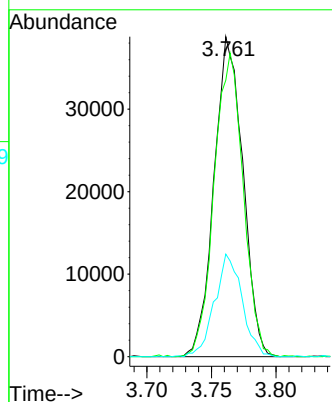
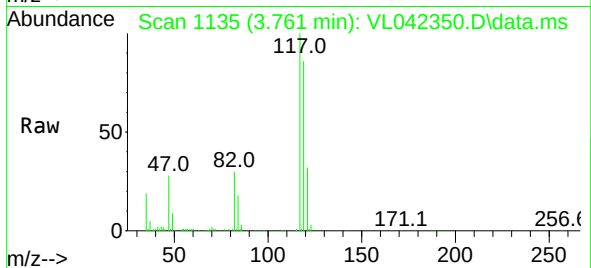
VSTDIC002

Tgt Ion:	117	Resp:	6029
Ion	Ratio	Lower	Upper
117	100		
119	86.4	80.5	120.7
121	32.1	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 2.079 ppbv

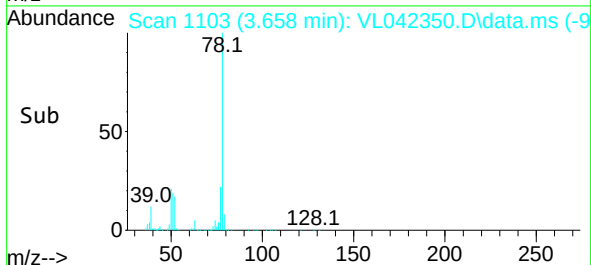
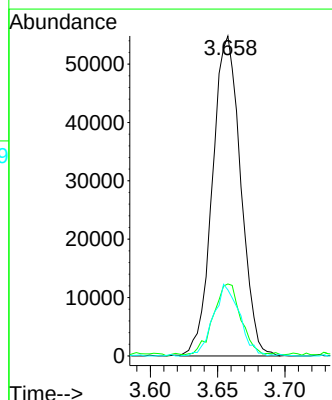
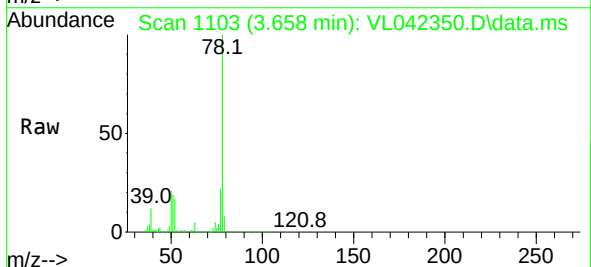
RT: 3.658 min Scan# 1103

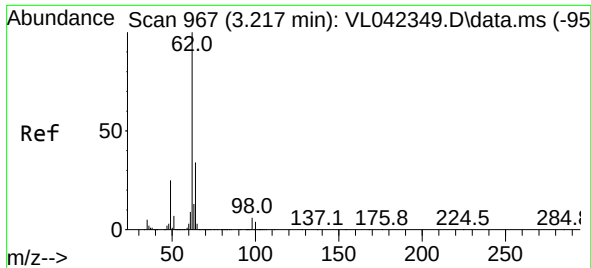
Delta R.T. 0.003 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

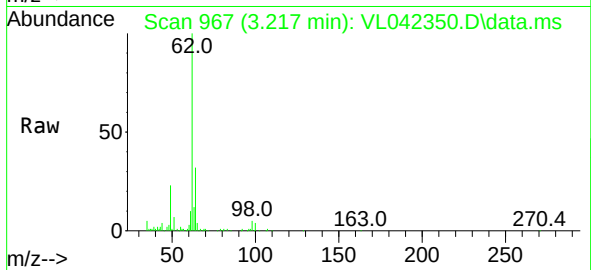
Tgt Ion:	78	Resp:	79814
Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.4	26.0
50	20.6	15.5	23.3





#37
1,2-Dichloroethane
Concen: 2.057 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

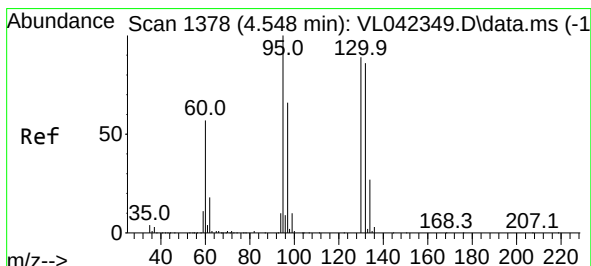
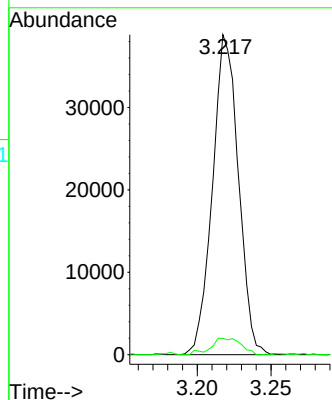
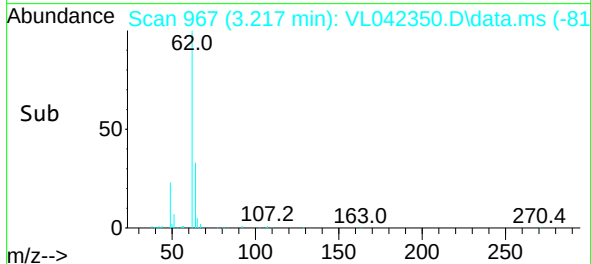
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 62 Resp: 47398
Ion Ratio Lower Upper
62 100
98 6.4 5.1 7.7

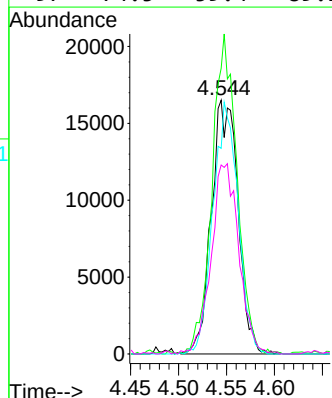
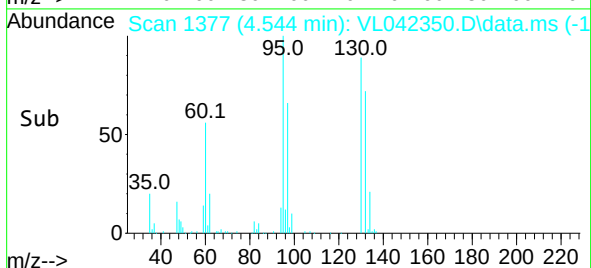
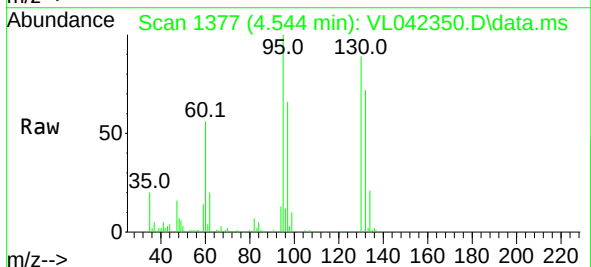
Manual Integrations
APPROVED

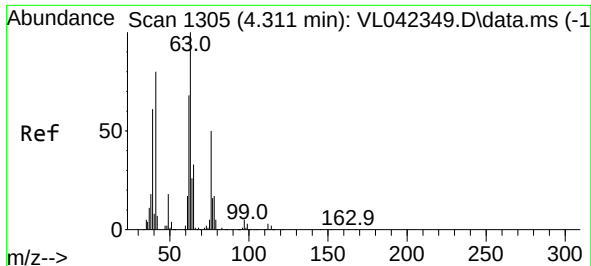
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#38
Trichloroethene
Concen: 1.891 ppbv m
RT: 4.544 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:130 Resp: 31826
Ion Ratio Lower Upper
130 100
95 112.6 89.8 134.6
132 81.1 77.7 116.5
97 74.5 59.4 89.2





#39

1,2-Dichloropropane

Concen: 2.012 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

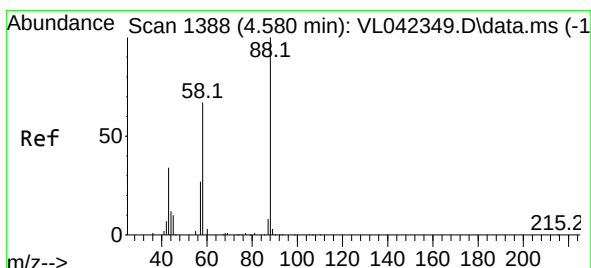
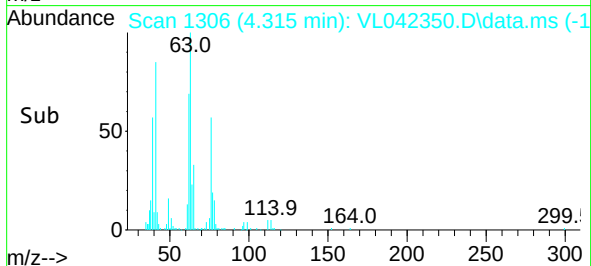
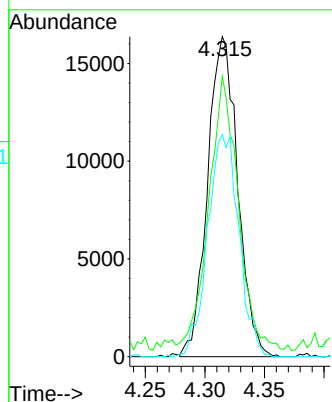
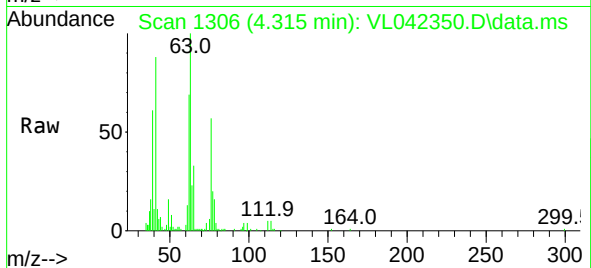
VSTDICC002

Tgt Ion: 63	Resp: 28800
Ion Ratio	Lower Upper
63 100	
41 85.2	64.2 96.2
62 69.4	54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 2.133 ppbv m

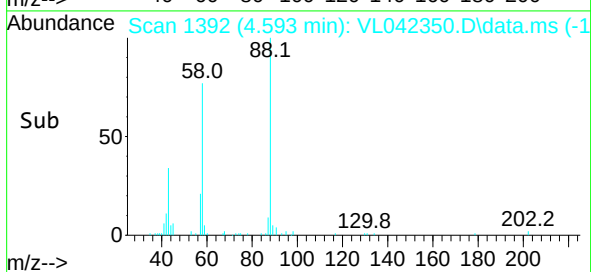
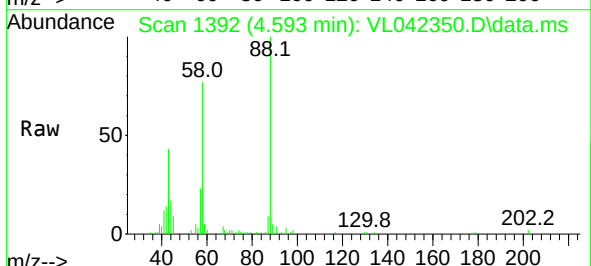
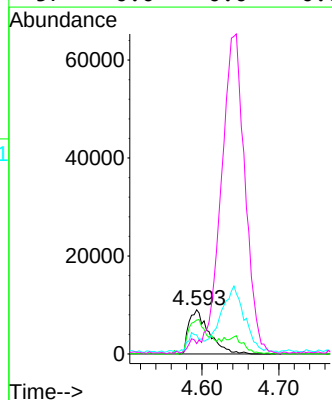
RT: 4.593 min Scan# 1392

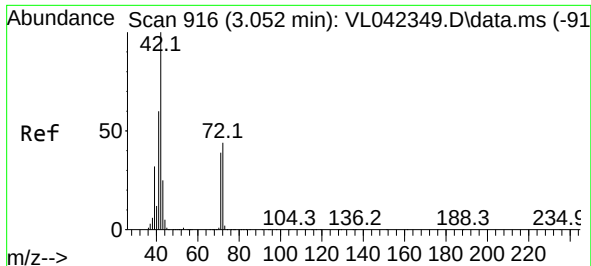
Delta R.T. 0.013 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

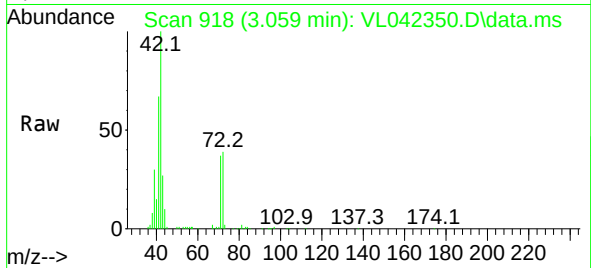
Tgt Ion: 88	Resp: 16536
Ion Ratio	Lower Upper
88 100	
58 82.3	61.4 92.0
43 6.1	23.2 34.8#
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 2.047 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

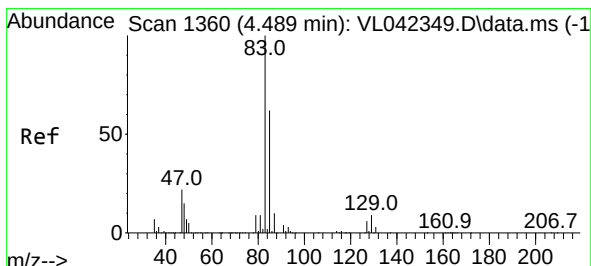
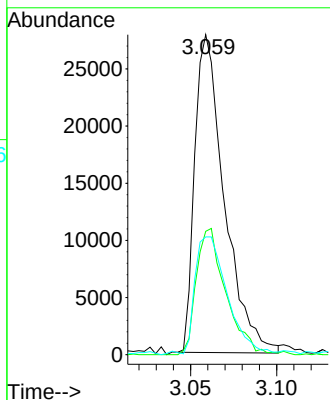
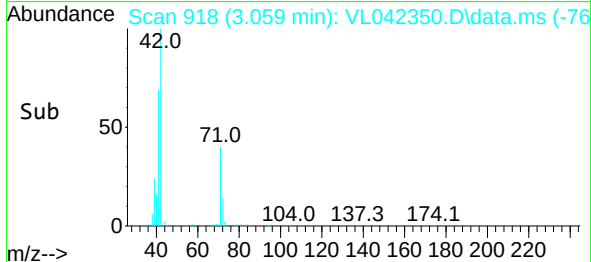
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 33298
Ion Ratio Lower Upper
42 100
72 39.9 32.3 48.5
71 41.5 31.4 47.2

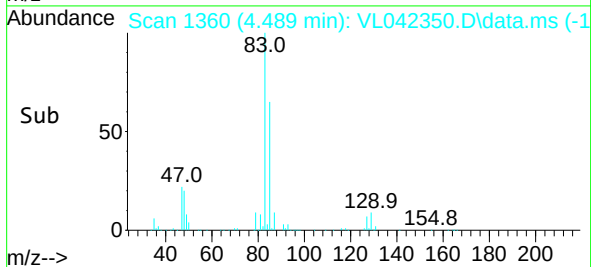
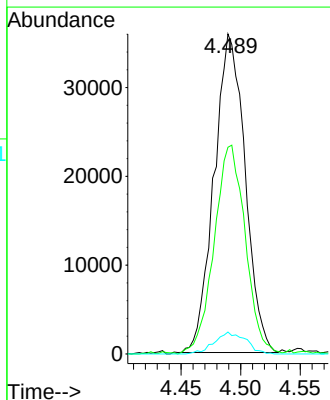
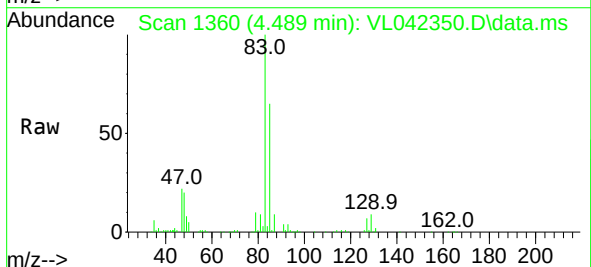
Manual Integrations
APPROVED

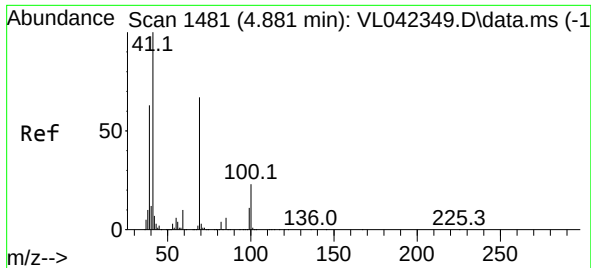
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#42
Bromodichloromethane
Concen: 2.025 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 83 Resp: 64941
Ion Ratio Lower Upper
83 100
85 64.9 49.7 74.5
127 6.9 5.1 7.7





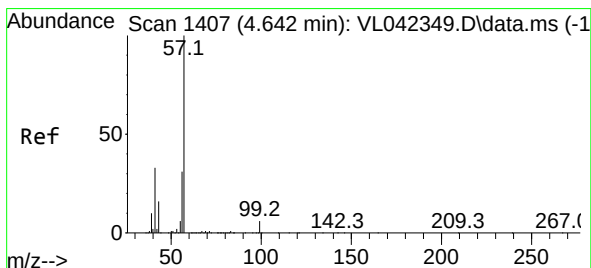
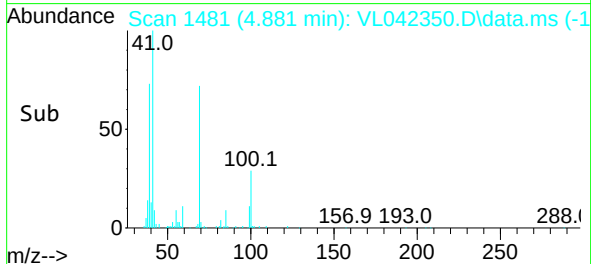
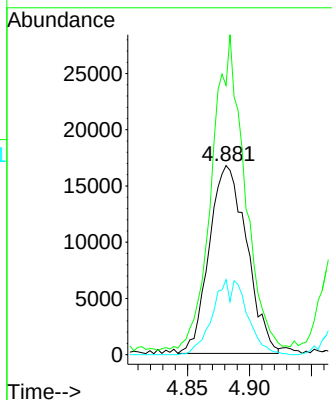
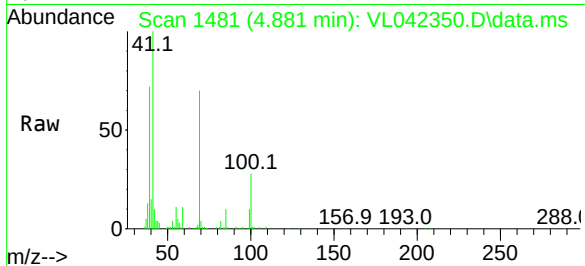
#43
Methyl Methacrylate
Concen: 2.046 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 69 Resp: 35250
Ion Ratio Lower Upper
69 100
41 144.4 118.6 177.8
100 36.5 28.2 42.2

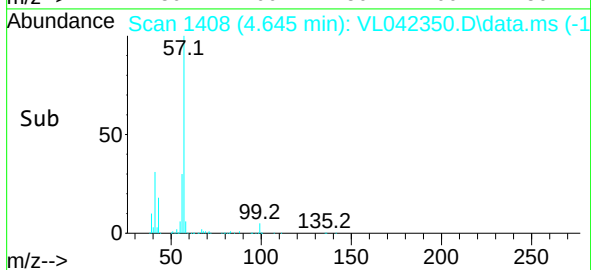
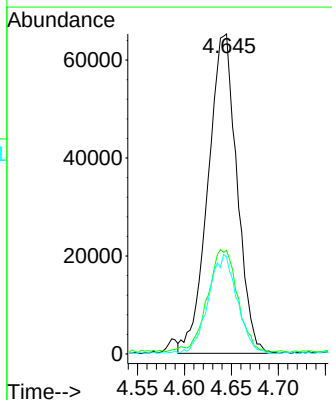
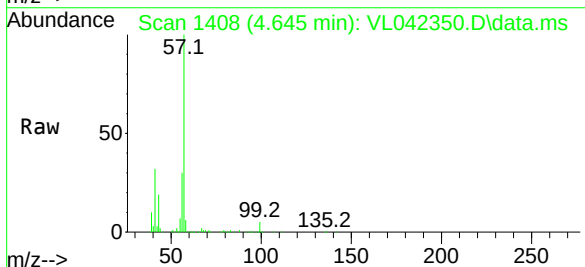
Manual Integrations
APPROVED

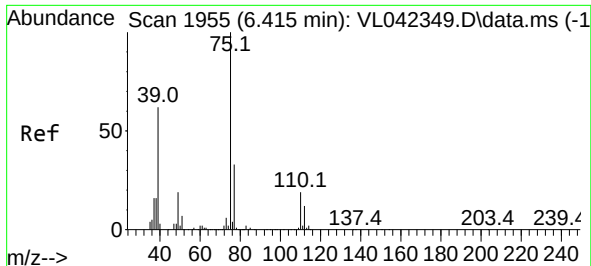
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#44
2,2,4-Trimethylpentane
Concen: 2.103 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

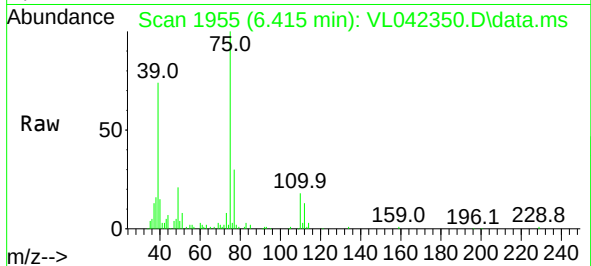
Tgt Ion: 57 Resp: 139641
Ion Ratio Lower Upper
57 100
41 34.4 27.2 40.8
56 31.3 25.7 38.5





#45
 t-1,3-Dichloropropene
 Concen: 2.050 ppbv
 RT: 6.415 min Scan# 1955
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

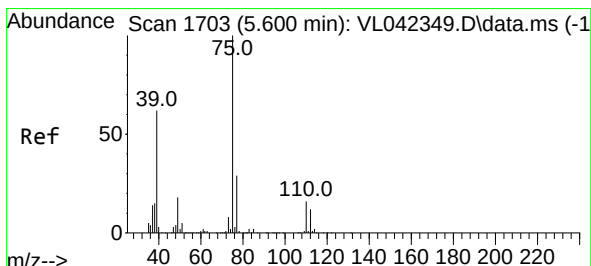
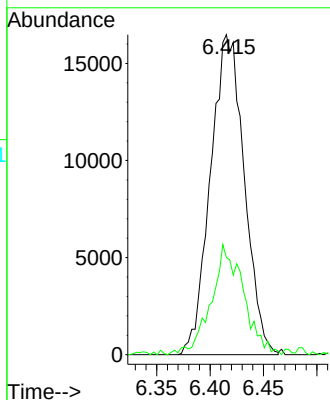
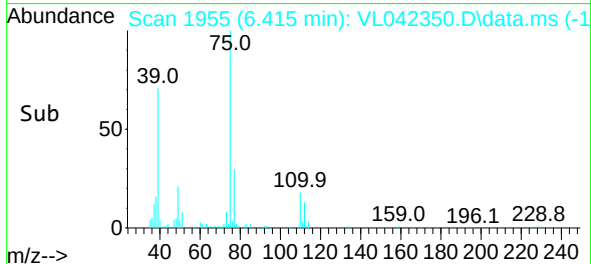
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 75 Resp: 3626
 Ion Ratio Lower Upper
 75 100
 77 30.4 27.0 40.6

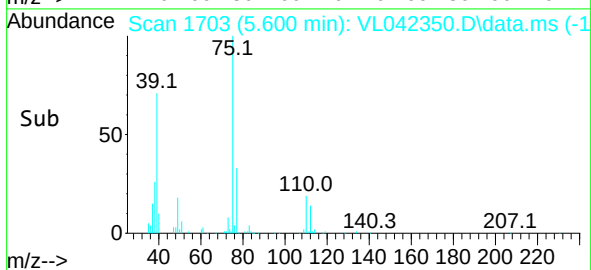
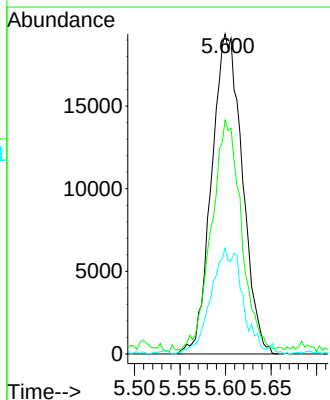
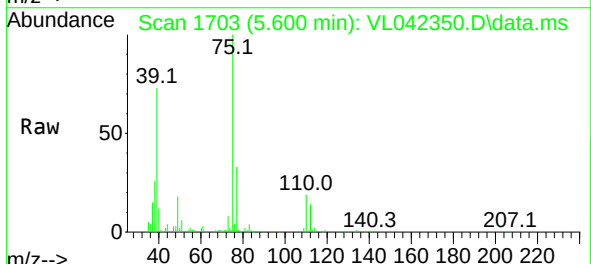
Manual Integrations
 APPROVED

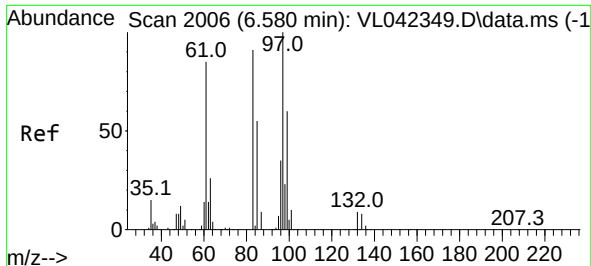
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#46
 cis-1,3-Dichloropropene
 Concen: 2.096 ppbv m
 RT: 5.600 min Scan# 1703
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

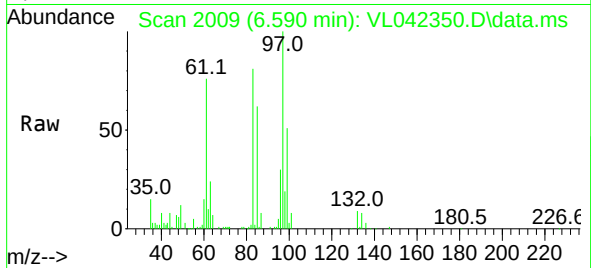
Tgt Ion: 75 Resp: 45327
 Ion Ratio Lower Upper
 75 100
 39 73.0 50.0 75.0
 77 33.1 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 2.049 ppbv
RT: 6.590 min Scan# 2006
Delta R.T. 0.010 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

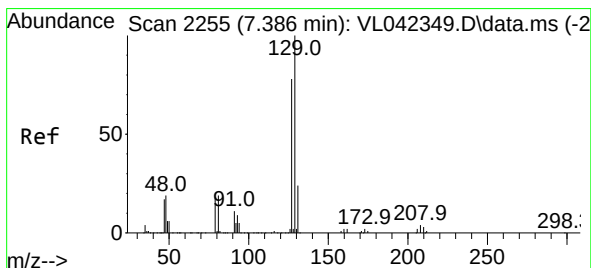
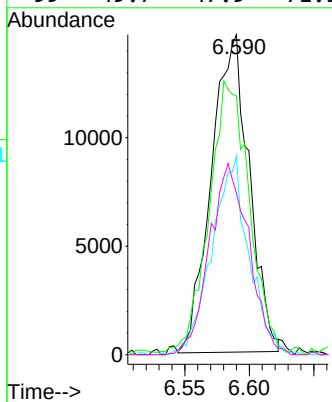
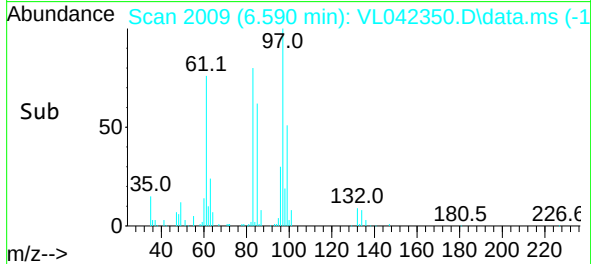
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



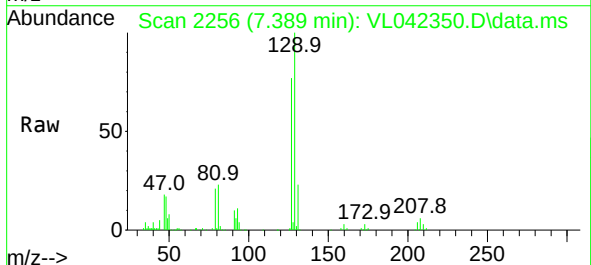
Tgt Ion: 97 Resp: 29879
Ion Ratio Lower Upper
97 100
83 78.8 72.8 109.2
85 61.7 44.2 66.4
99 49.7 47.9 71.9

Manual Integrations
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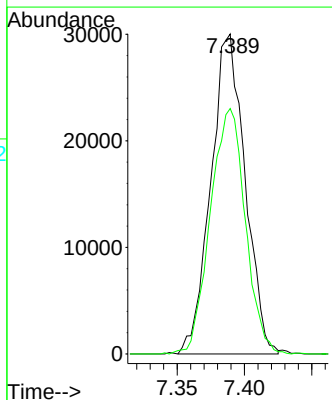
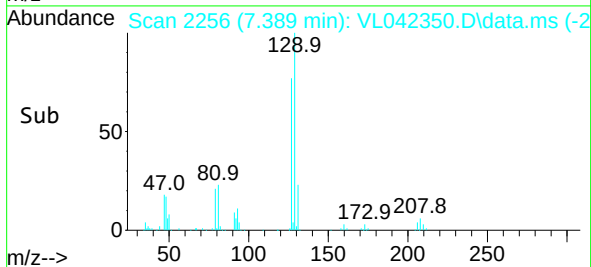
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

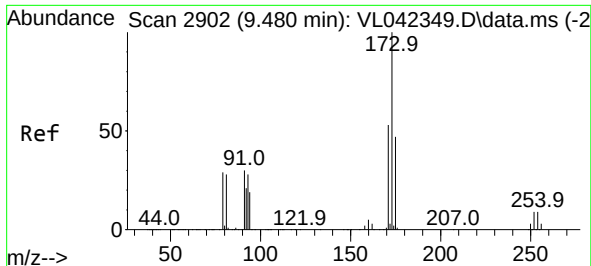


#48
Dibromochloromethane
Concen: 2.061 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



Tgt Ion:129 Resp: 53069
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3





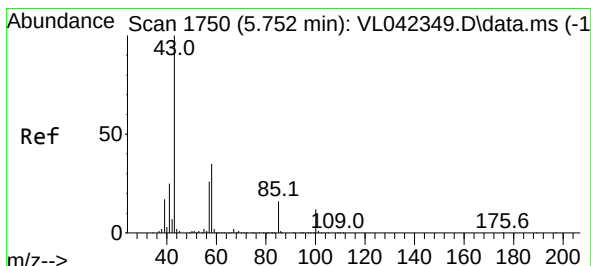
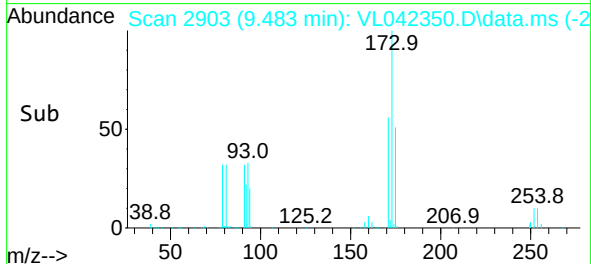
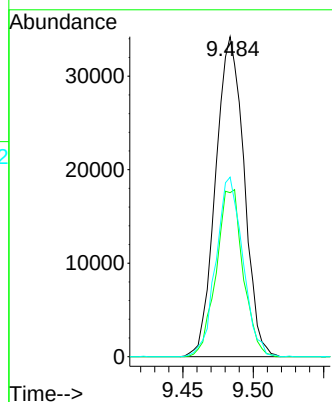
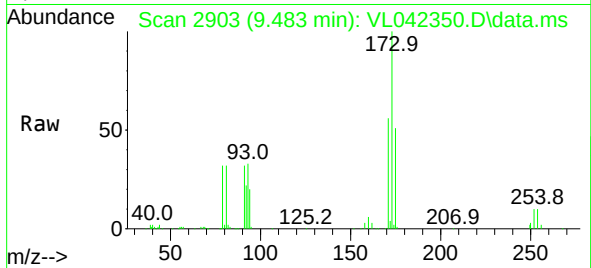
#49
Bromoform
Concen: 2.135 ppbv
RT: 9.483 min Scan# 2902
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 173 Resp: 48069
Ion Ratio Lower Upper
173 100
175 49.4 38.2 57.2
171 53.0 40.9 61.3

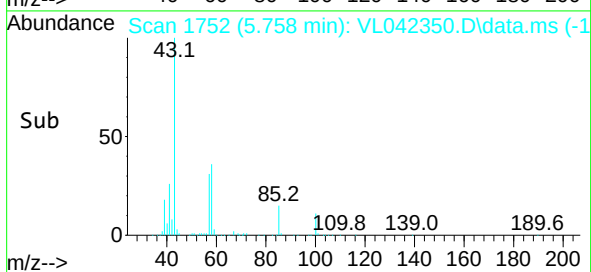
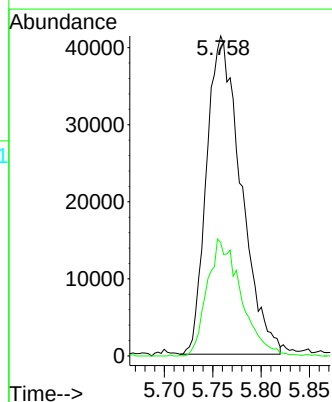
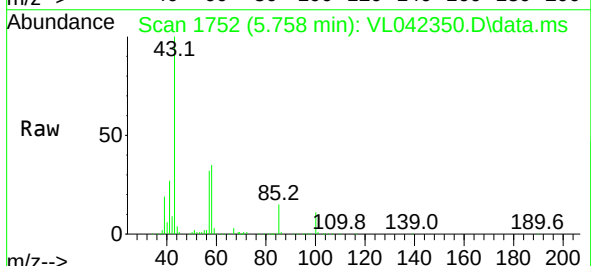
Manual Integrations
APPROVED

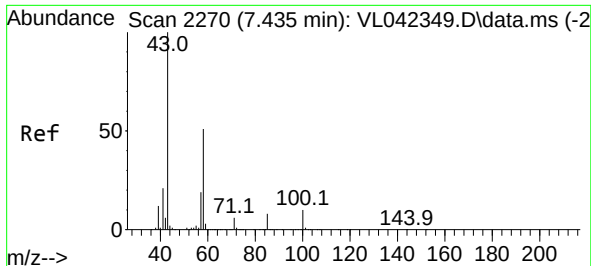
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#50
4-Methyl-2-Pentanone
Concen: 2.180 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 102182
Ion Ratio Lower Upper
43 100
58 36.3 28.6 43.0





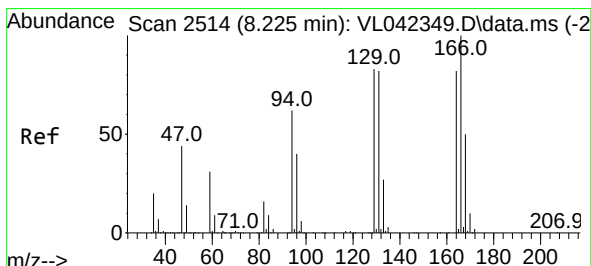
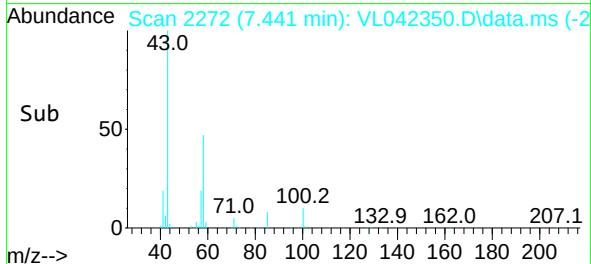
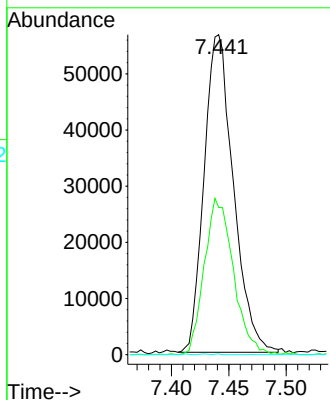
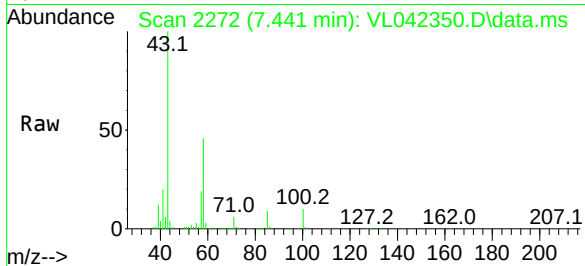
#51
2-Hexanone
Concen: 2.375 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 10044
Ion Ratio Lower Upper
43 100
58 49.0 40.2 60.4
98 0.1 0.1 0.1

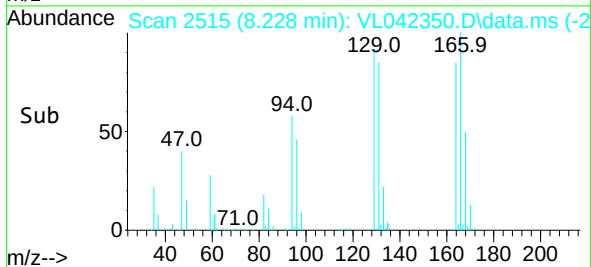
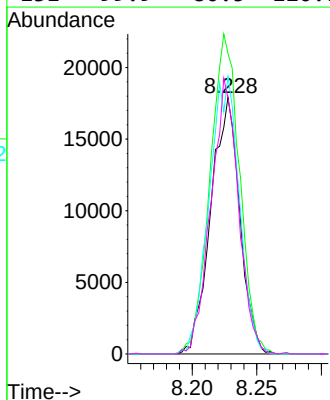
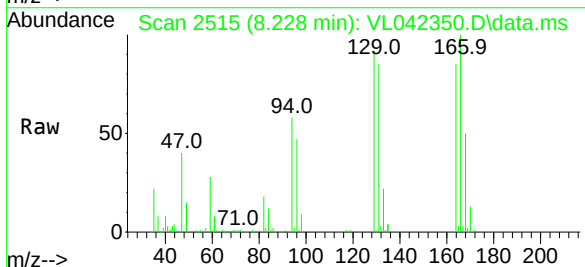
Manual Integrations
APPROVED

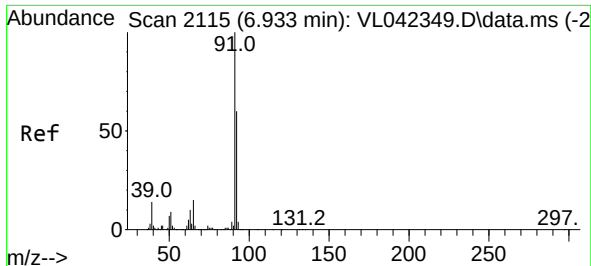
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 1.877 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

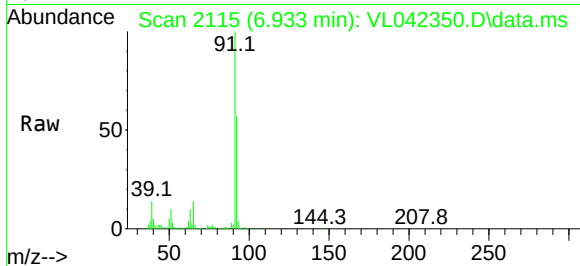
Tgt Ion:164 Resp: 27854
Ion Ratio Lower Upper
164 100
166 117.2 98.2 147.2
129 108.2 81.8 122.8
131 99.9 80.5 120.7





#53
Toluene
Concen: 2.116 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

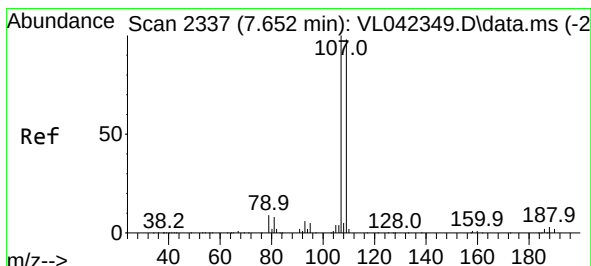
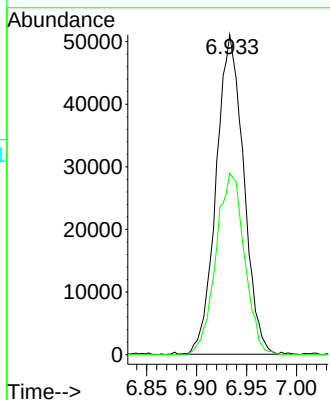
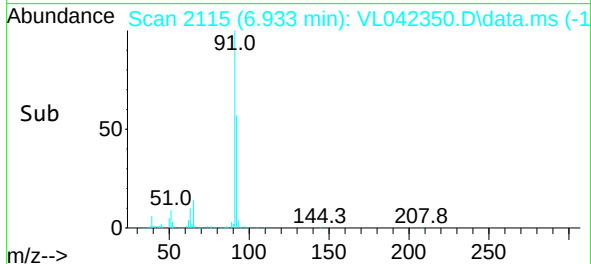
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



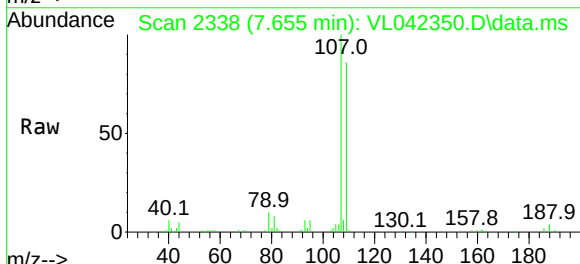
Tgt Ion: 91 Resp: 9749
Ion Ratio Lower Upper
91 100
92 59.1 48.2 72.4

Manual Integrations
APPROVED

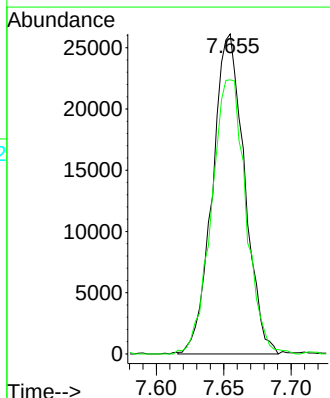
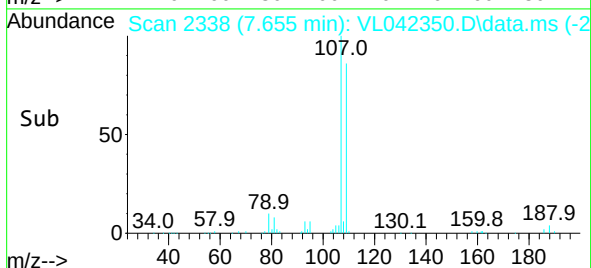
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

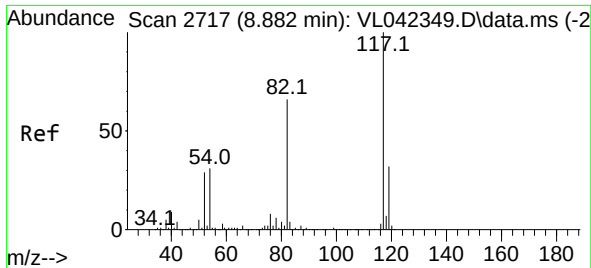


#54
1,2-Dibromoethane
Concen: 2.076 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



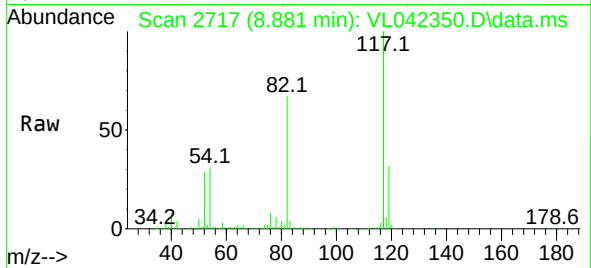
Tgt Ion:107 Resp: 43153
Ion Ratio Lower Upper
107 100
109 84.5 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

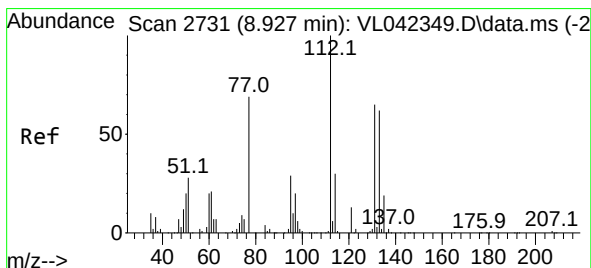
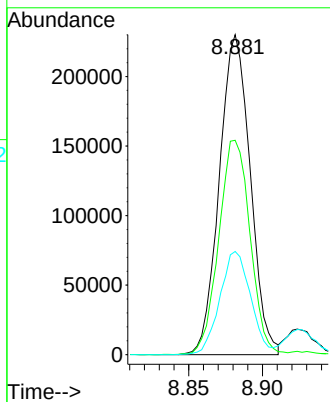
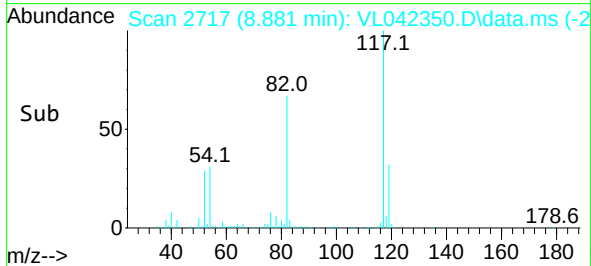
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:117 Resp: 33560
Ion Ratio Lower Upper
117 100
82 68.8 57.8 86.6
119 32.2 25.2 37.8

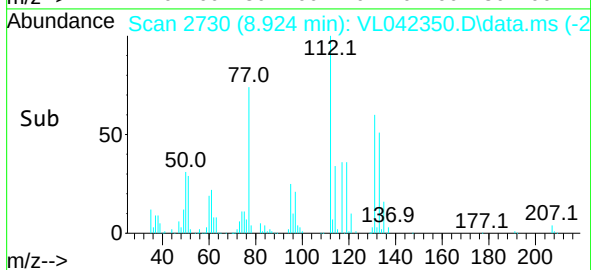
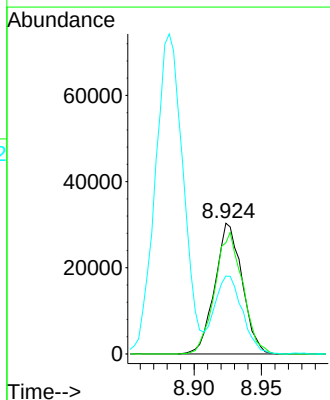
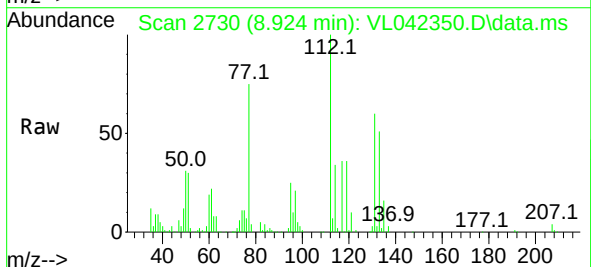
Manual Integrations
APPROVED

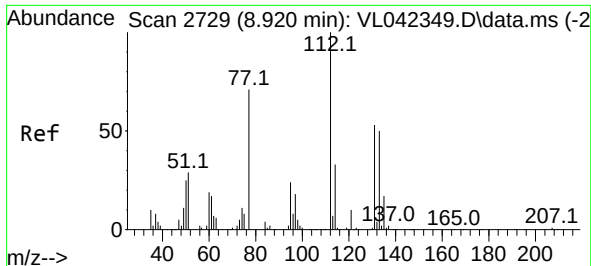
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 2.097 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

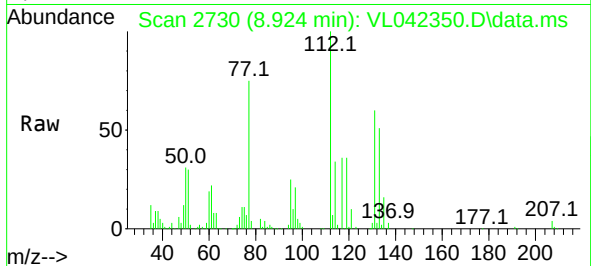
Tgt Ion:131 Resp: 42601
Ion Ratio Lower Upper
131 100
133 95.3 78.3 117.5
119 53.8 48.7 73.1





#57
Chlorobenzene
Concen: 2.054 ppbv
RT: 8.924 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

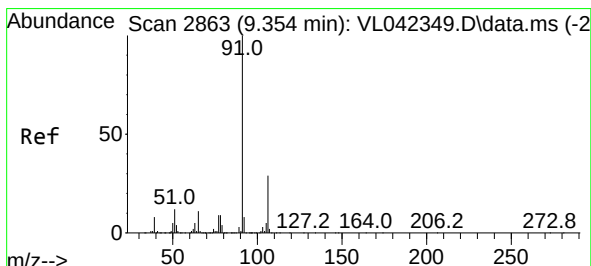
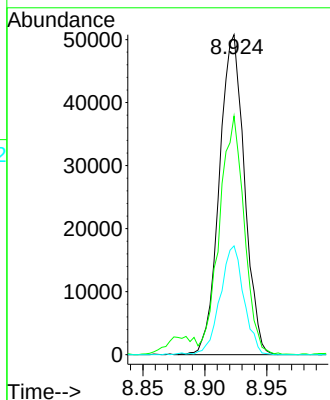
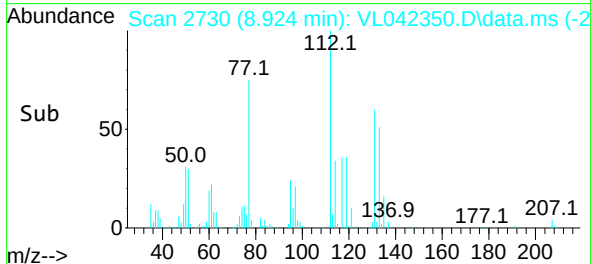
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 112 Resp: 71685
Ion Ratio Lower Upper
112 100
77 74.0 57.8 86.6
114 34.0 29.3 35.9

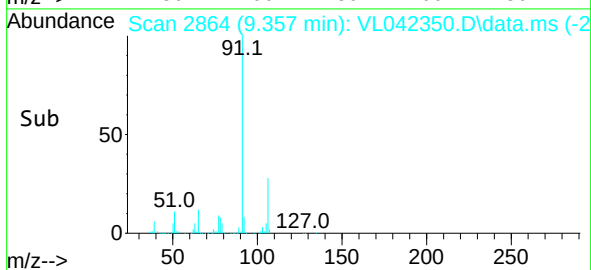
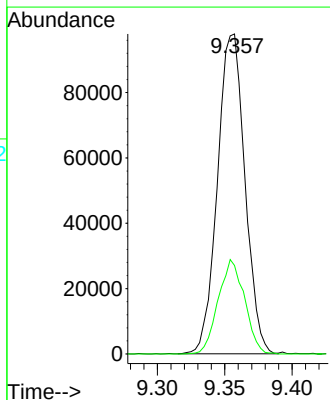
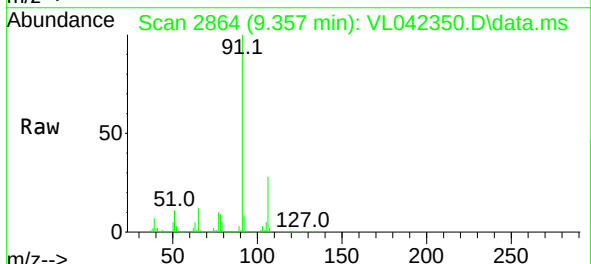
Manual Integrations
APPROVED

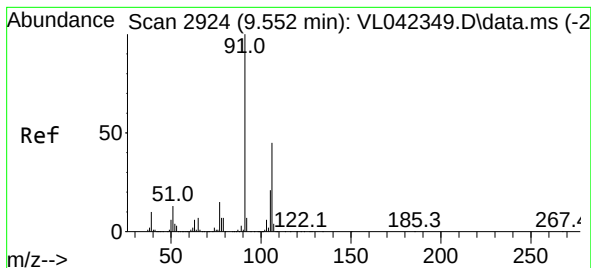
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 2.088 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

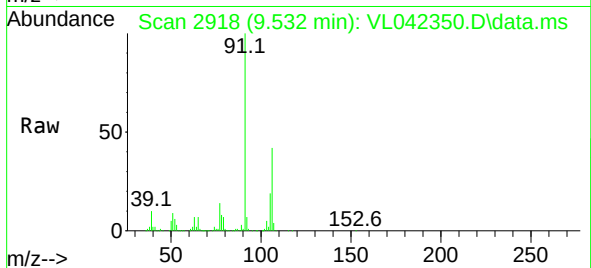
Tgt Ion: 91 Resp: 138810
Ion Ratio Lower Upper
91 100
106 27.7 23.0 34.4





#59
m/p-Xylene
Concen: 4.142 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.019 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

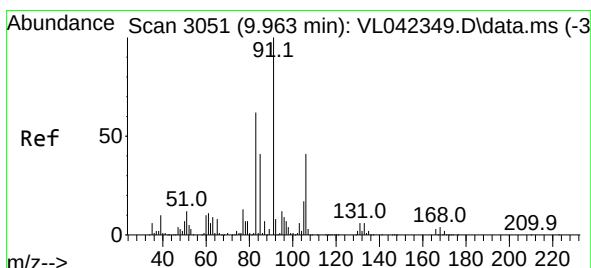
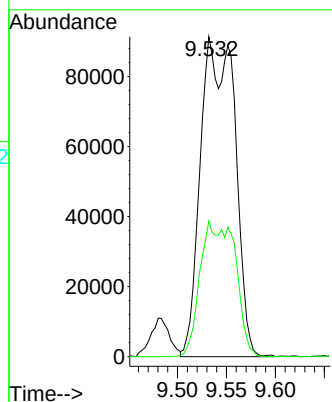
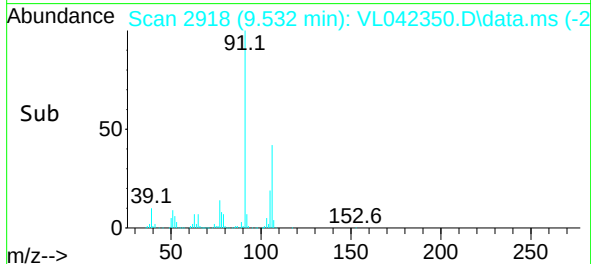
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



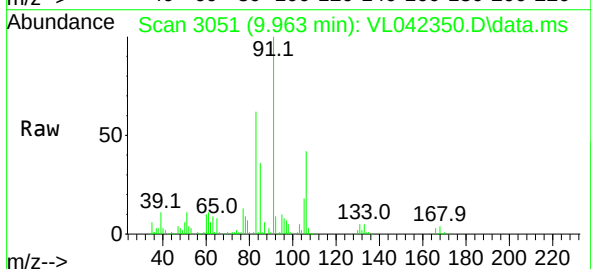
Tgt Ion: 91 Resp: 22254
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

Manual Integrations
APPROVED

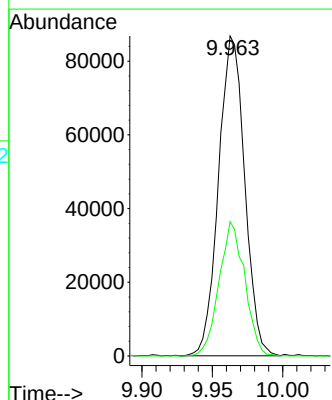
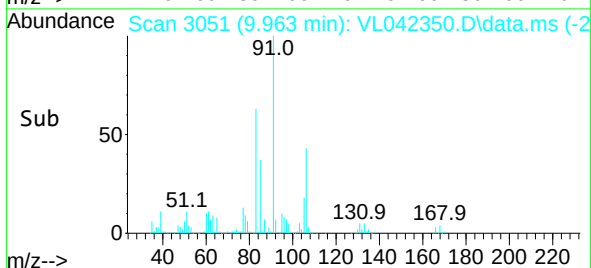
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

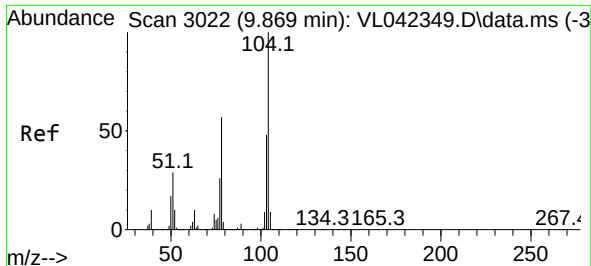


#60
o-Xylene
Concen: 2.076 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



Tgt Ion: 91 Resp: 111972
Ion Ratio Lower Upper
91 100
106 41.2 21.1 63.4





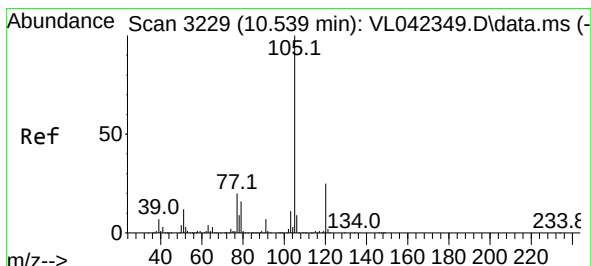
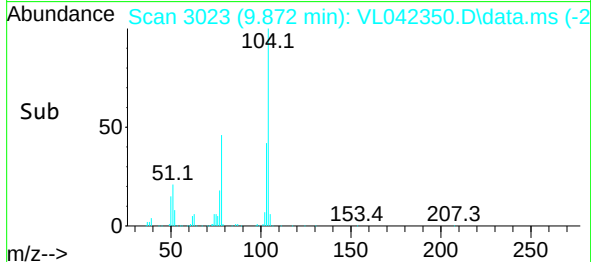
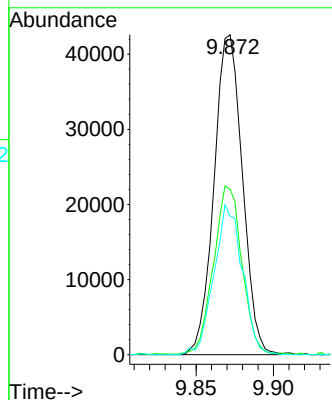
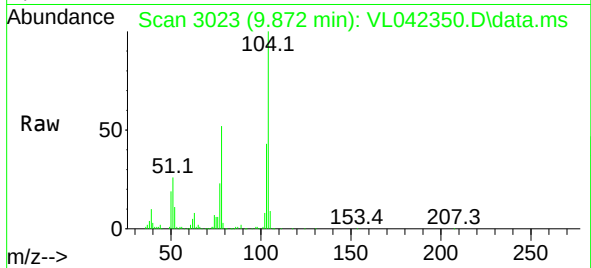
#61
Styrene
Concen: 2.106 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:104 Resp: 54229
Ion Ratio Lower Upper
104 100
78 53.4 44.6 66.8
103 47.1 37.4 56.0

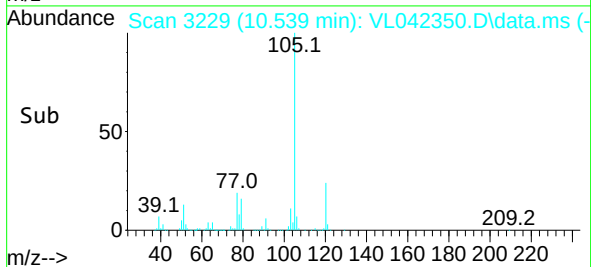
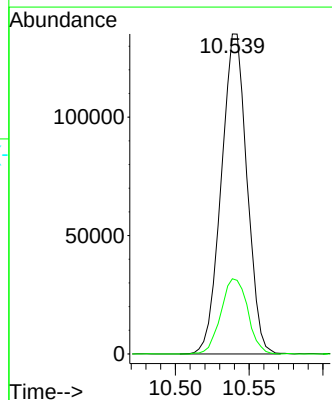
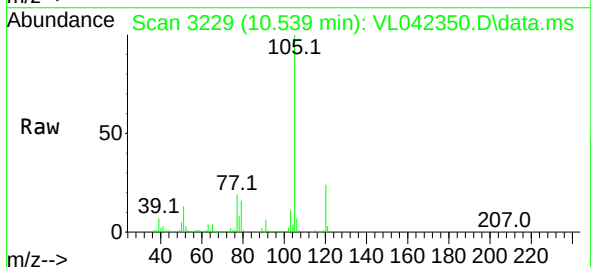
Manual Integrations
APPROVED

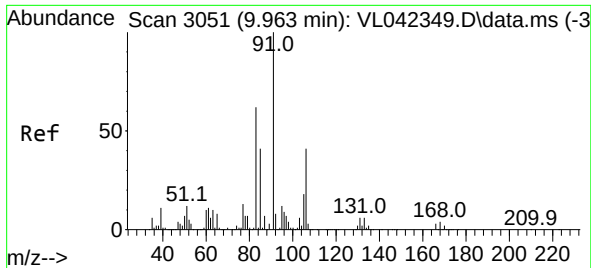
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 2.067 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

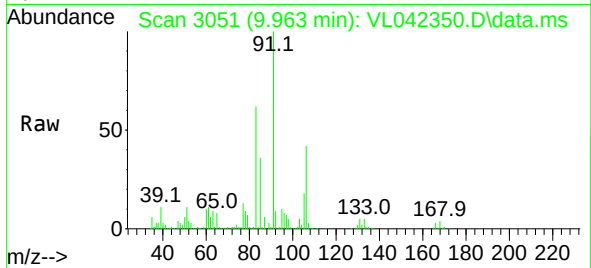
Tgt Ion:105 Resp: 163716
Ion Ratio Lower Upper
105 100
120 24.6 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 1.853 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

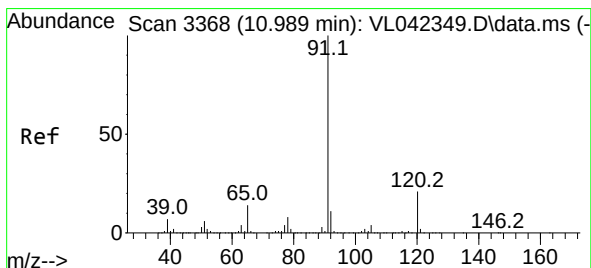
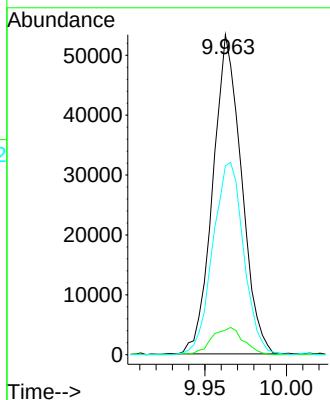
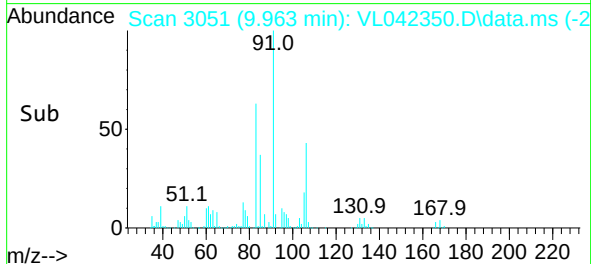
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



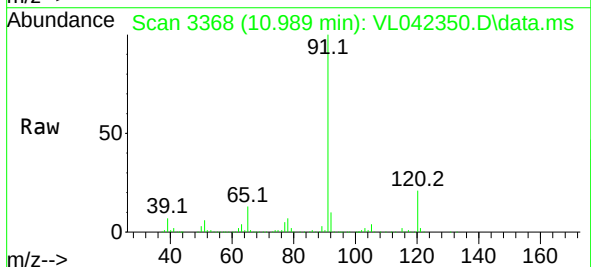
Tgt Ion: 83 Resp: 64952
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.7
85 65.4 32.4 97.0

Manual Integrations
APPROVED

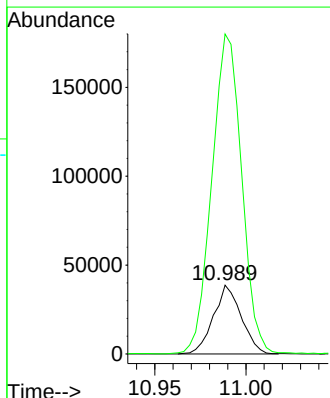
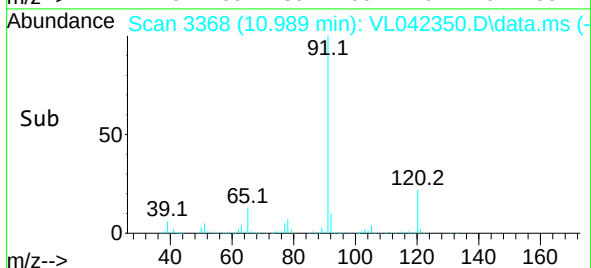
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

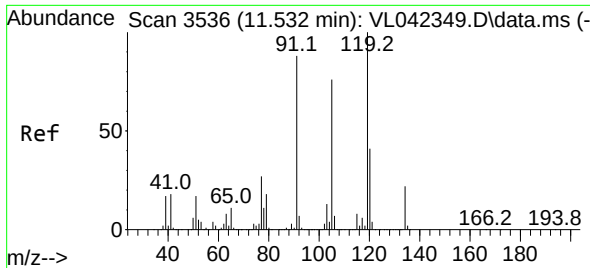


#64
n-propylbenzene
Concen: 2.058 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



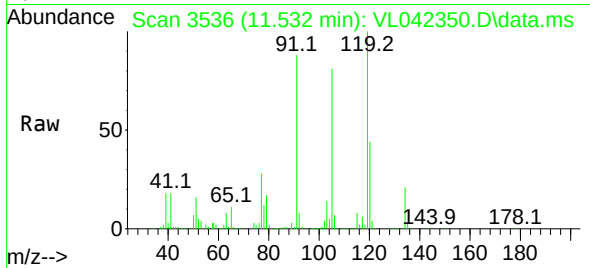
Tgt Ion:120 Resp: 40956
Ion Ratio Lower Upper
120 100
91 502.0 392.4 588.6





#65
tert-Butylbenzene
Concen: 2.135 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

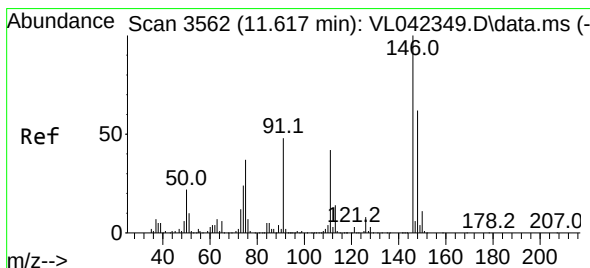
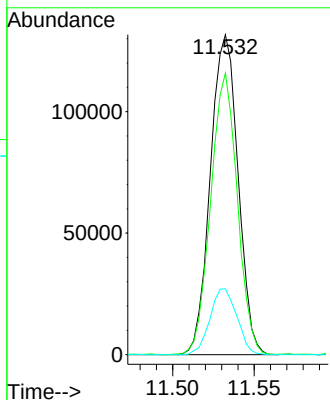
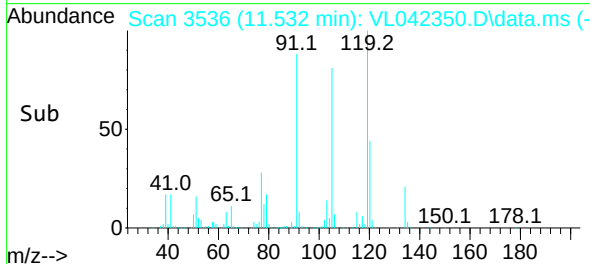
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 119 Resp: 15540
Ion Ratio Lower Upper
119 100
91 85.0 74.6 111.8
134 20.1 18.8 28.2

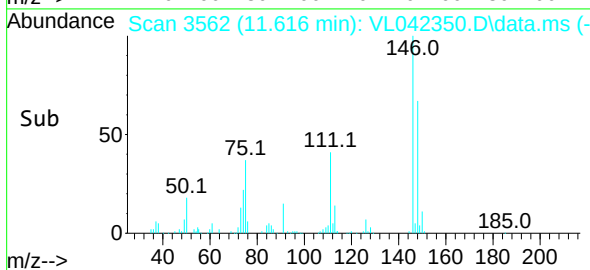
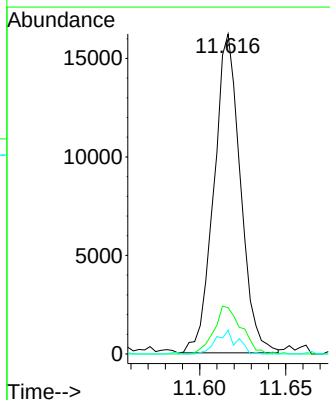
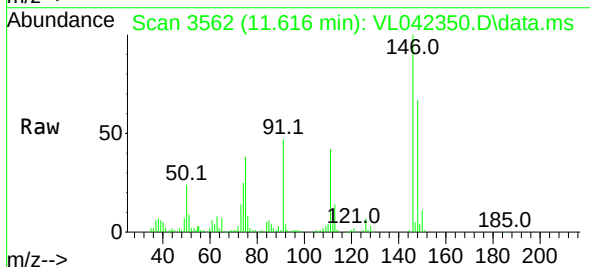
Manual Integrations
APPROVED

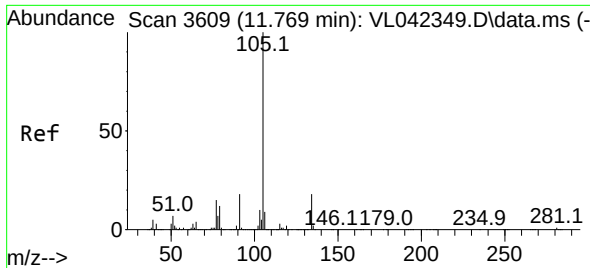
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#66
Benzyl Chloride
Concen: 2.163 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

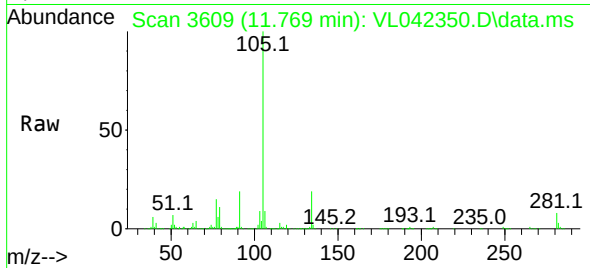
Tgt Ion: 91 Resp: 17300
Ion Ratio Lower Upper
91 100
126 15.6 11.8 17.6
128 6.1 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 2.156 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

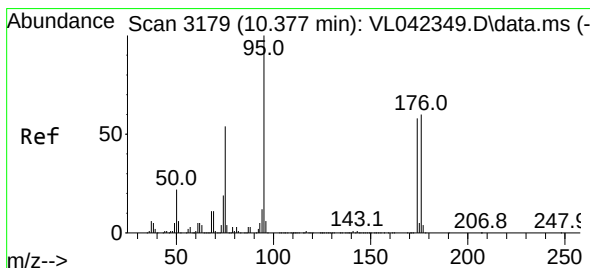
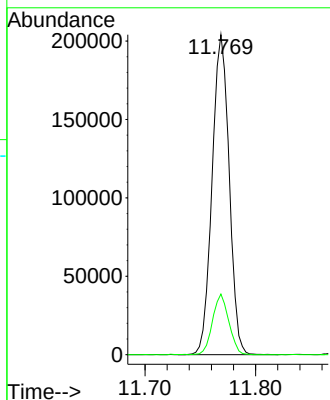
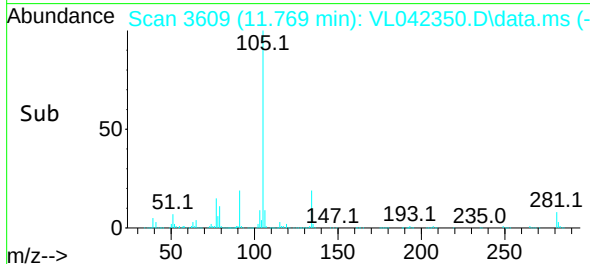
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 105 Resp: 21832
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 21.8

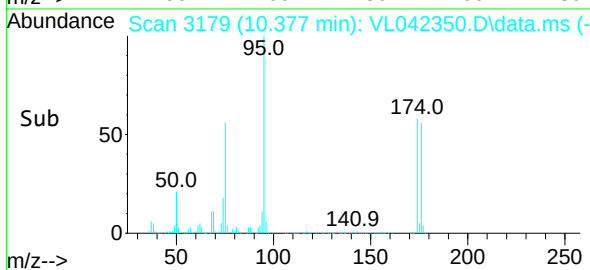
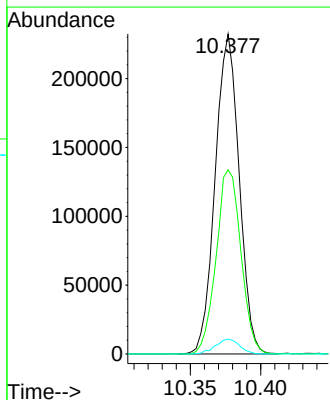
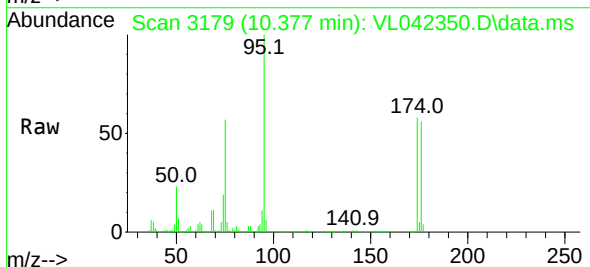
Manual Integrations
 APPROVED

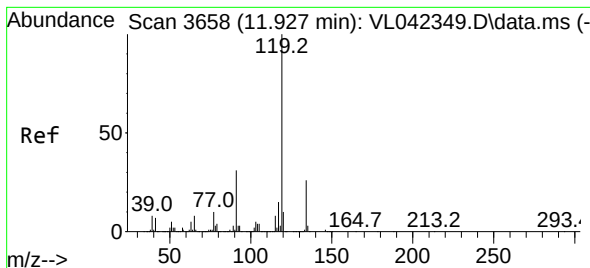
Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.998 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

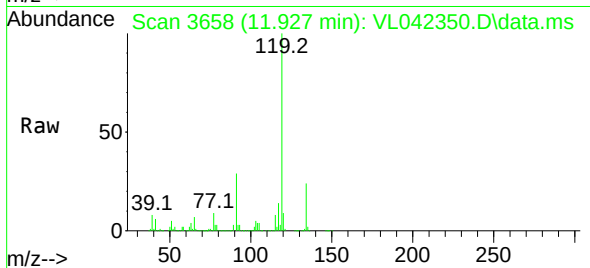
Tgt Ion: 95 Resp: 275715
 Ion Ratio Lower Upper
 95 100
 174 59.6 48.5 72.7
 175 4.7 3.7 5.5





#69
p-Isopropyltoluene
Concen: 2.145 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

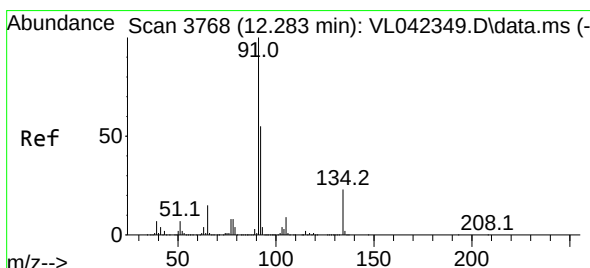
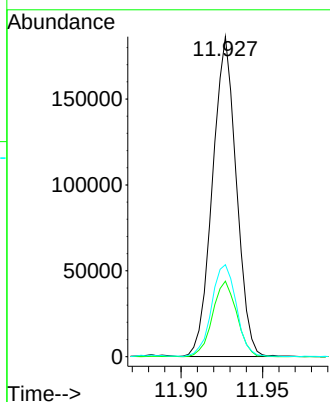
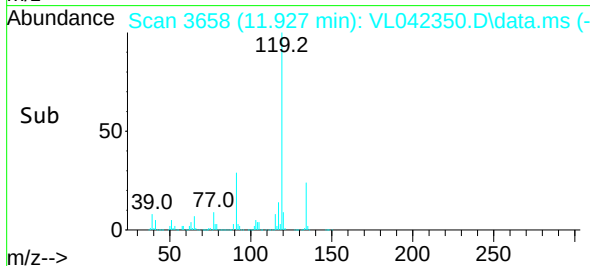
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



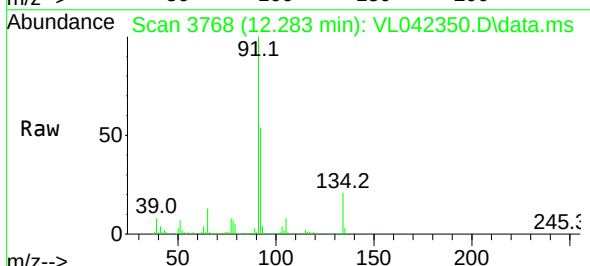
Tgt Ion: 119 Resp: 18865
Ion Ratio Lower Upper
119 100
134 24.2 20.0 30.0
91 30.8 24.4 36.6

Manual Integrations
APPROVED

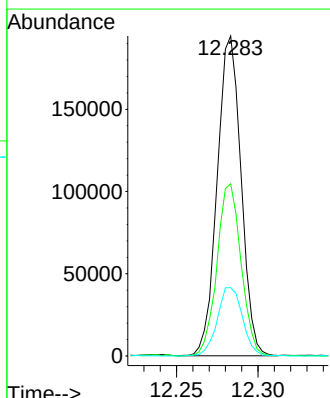
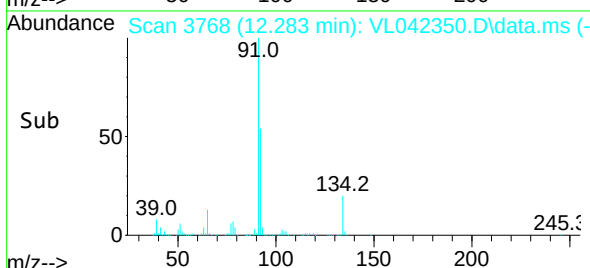
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

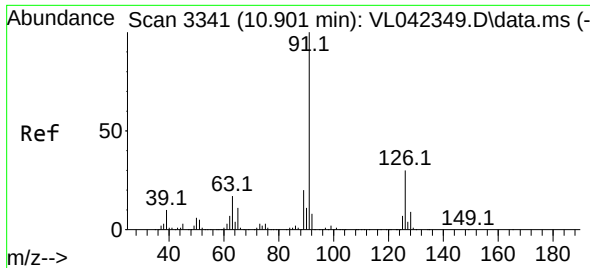


#70
n-Butylbenzene
Concen: 2.164 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



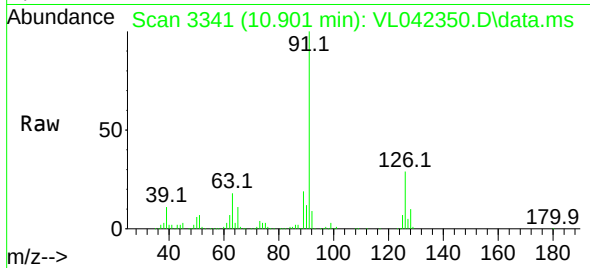
Tgt Ion: 91 Resp: 198221
Ion Ratio Lower Upper
91 100
92 54.4 44.2 66.4
134 22.6 18.2 27.4





#71
2-Chlorotoluene
Concen: 2.075 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

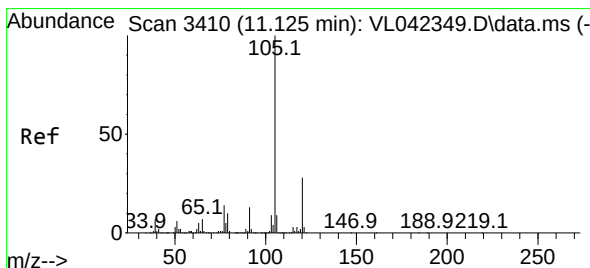
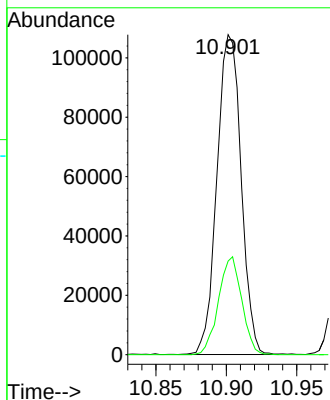
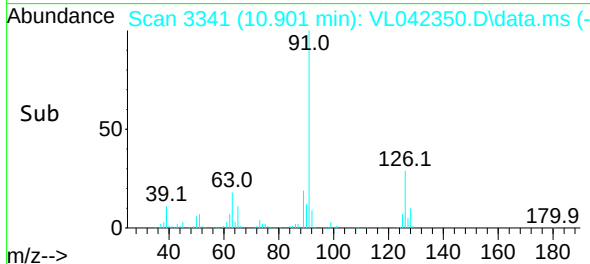
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



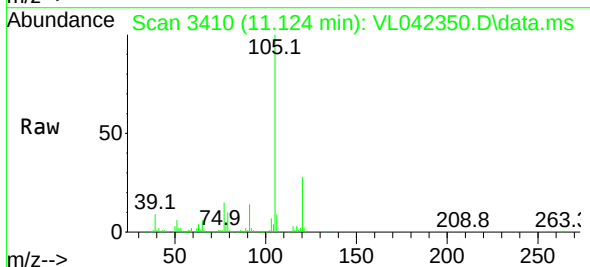
Tgt Ion: 91 Resp: 128858
Ion Ratio Lower Upper
91 100
126 29.5 11.4 45.4

Manual Integrations
APPROVED

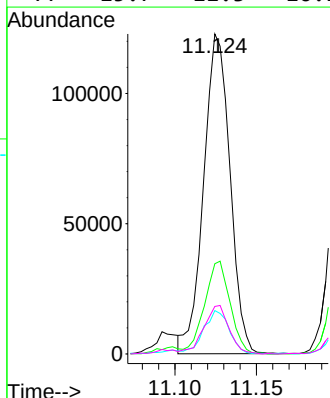
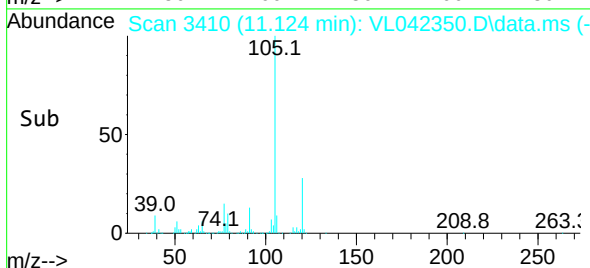
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

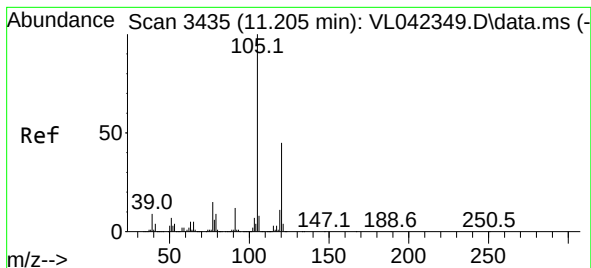


#72
4-Ethyltoluene
Concen: 2.091 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



Tgt Ion:105 Resp: 137872
Ion Ratio Lower Upper
105 100
120 30.1 23.2 34.8
91 14.4 10.4 15.6
77 15.7 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 2.123 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 123580

Ion Ratio Lower Upper

105 100

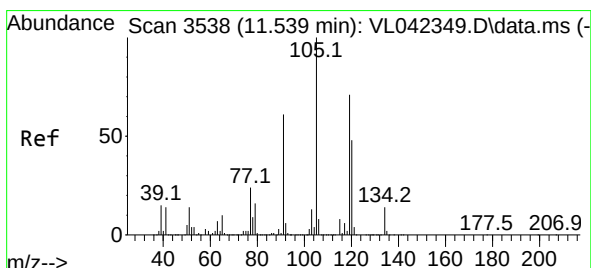
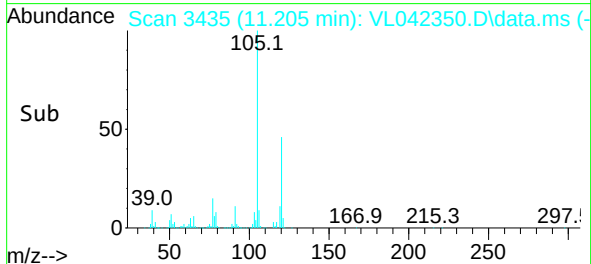
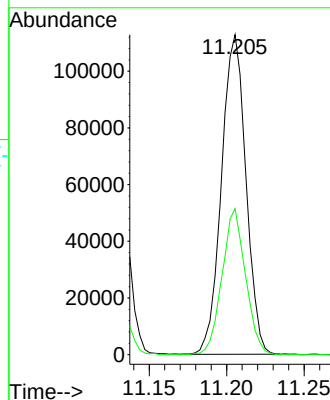
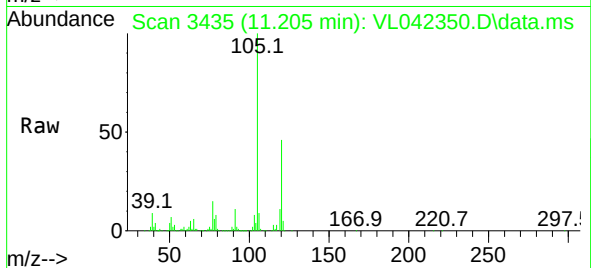
120 45.7 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.140 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 145510

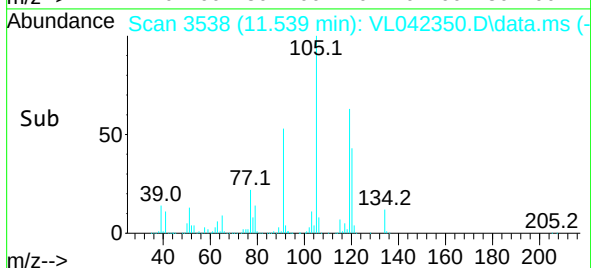
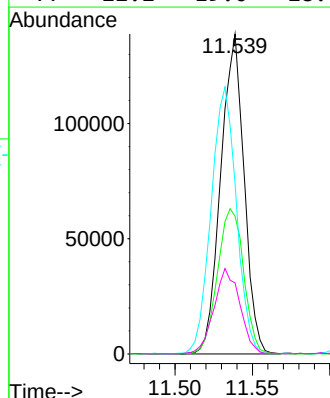
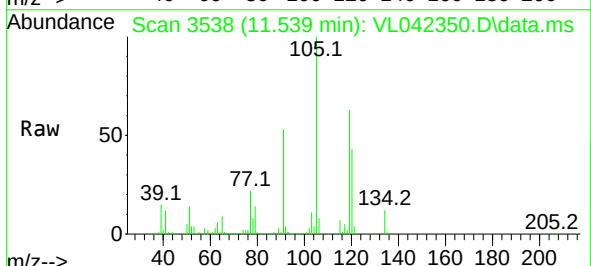
Ion Ratio Lower Upper

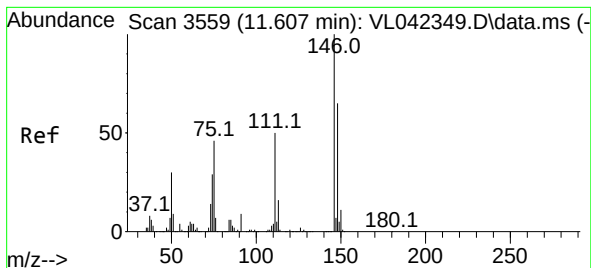
105 100

120 43.0 38.1 57.1

91 53.1 48.8 73.2

77 22.2 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 2.124 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

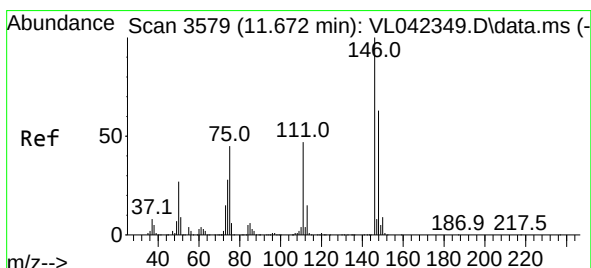
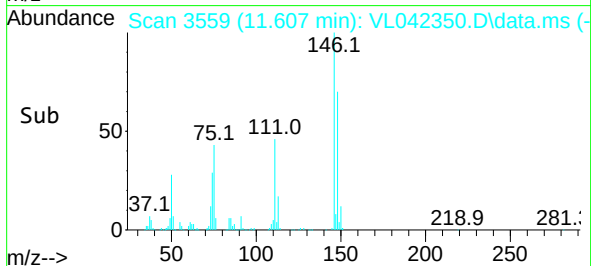
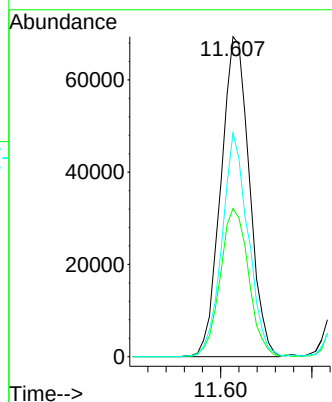
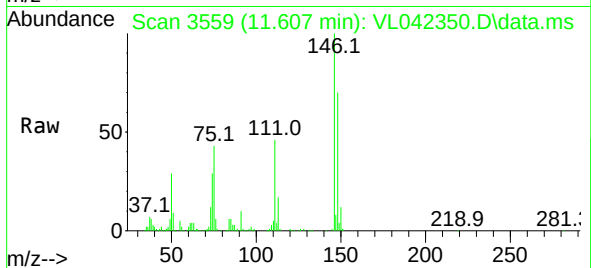
VSTDICC002

Tgt Ion:	146	Resp:	7508
Ion Ratio	Lower	Upper	
146	100		
111	46.3	24.3	72.8
148	64.3	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 2.120 ppbv

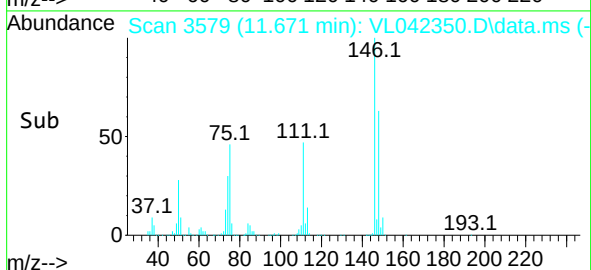
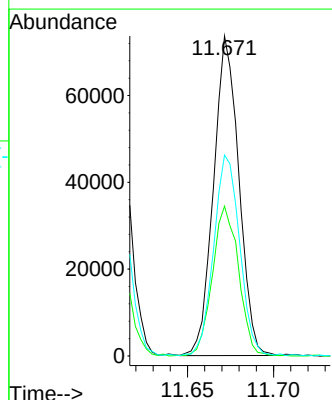
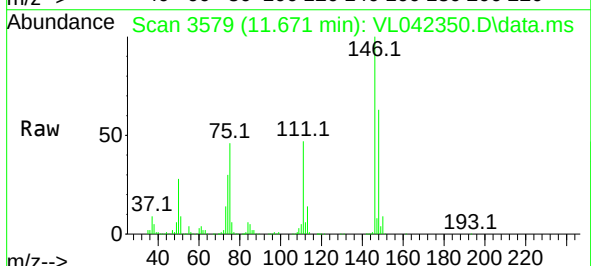
RT: 11.671 min Scan# 3579

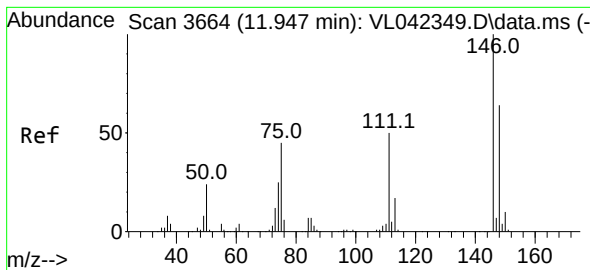
Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Tgt Ion:	146	Resp:	75323
Ion Ratio	Lower	Upper	
146	100		
111	48.4	24.2	72.6
148	65.1	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 2.176 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

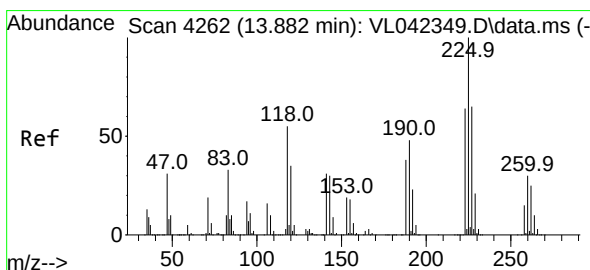
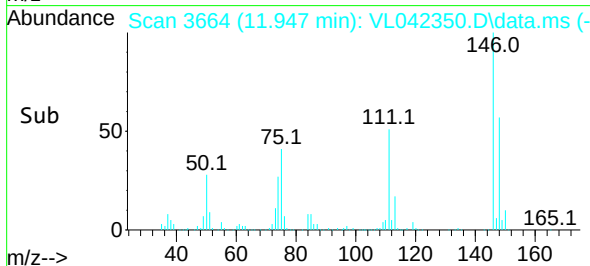
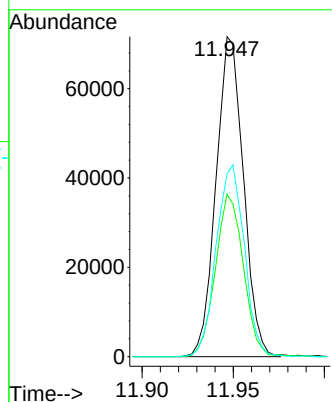
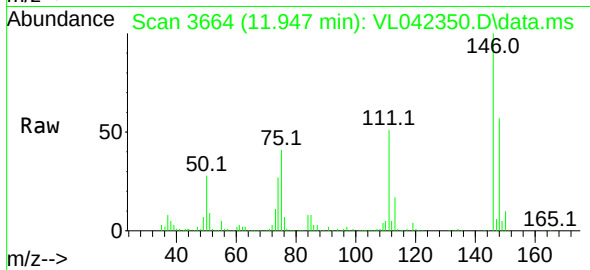
VSTDICC002

Tgt Ion:	146	Resp:	74780
Ion Ratio	Lower	Upper	
146	100		
111	52.0	25.3	75.9
148	61.8	31.5	94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 2.194 ppbv

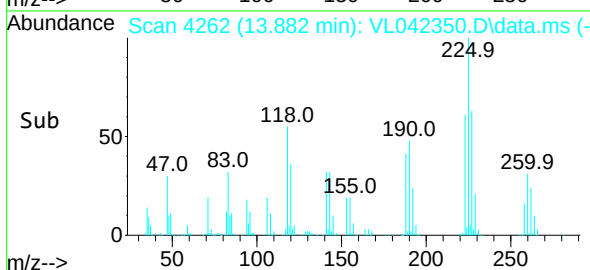
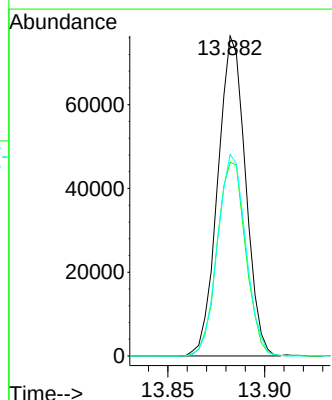
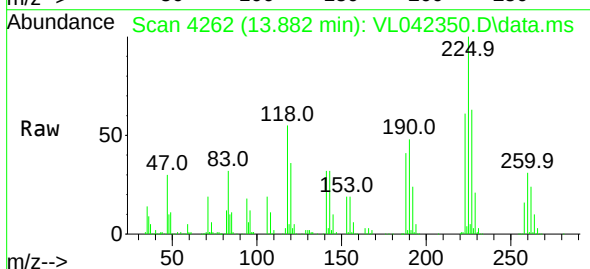
RT: 13.882 min Scan# 4262

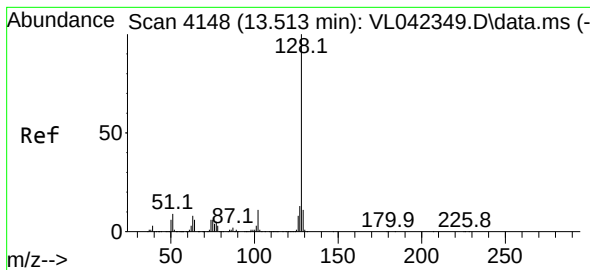
Delta R.T. -0.000 min

Lab File: VL042350.D

Acq: 17 Apr 2025 10:17

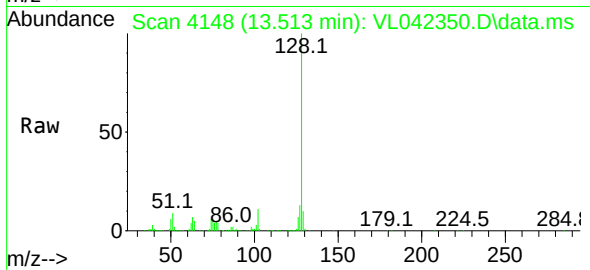
Tgt Ion:	225	Resp:	76158
Ion Ratio	Lower	Upper	
225	100		
223	62.6	50.3	75.5
227	64.1	51.5	77.3





#79
Naphthalene
Concen: 2.401 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

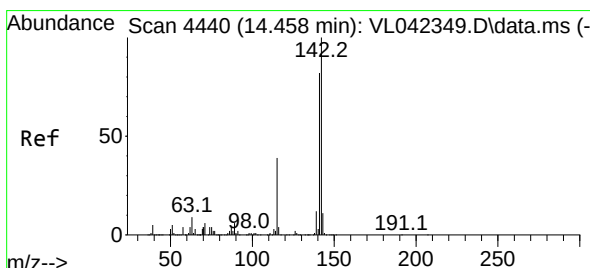
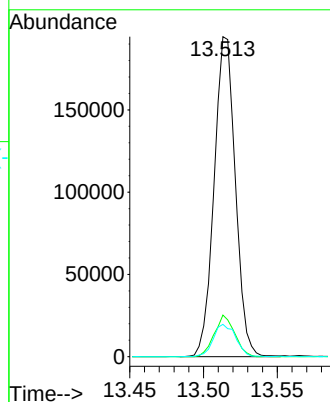
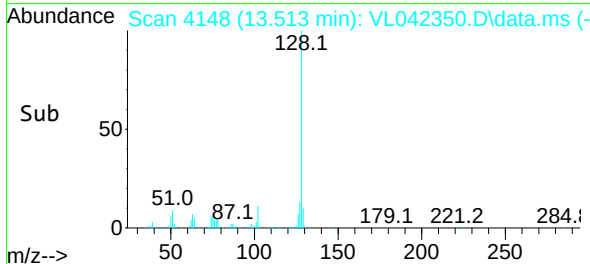
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



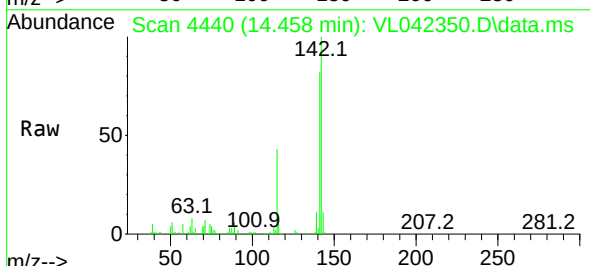
Tgt Ion:128 Resp: 195233
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.1 8.6 12.8

Manual Integrations
APPROVED

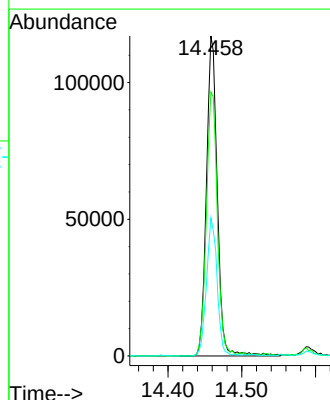
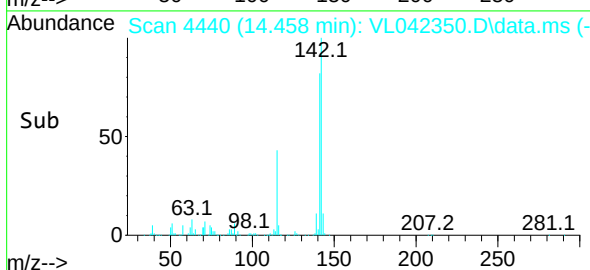
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

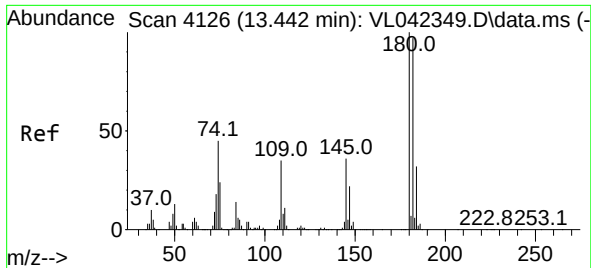


#80
Naphthalene,2-methyl-
Concen: 2.574 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17



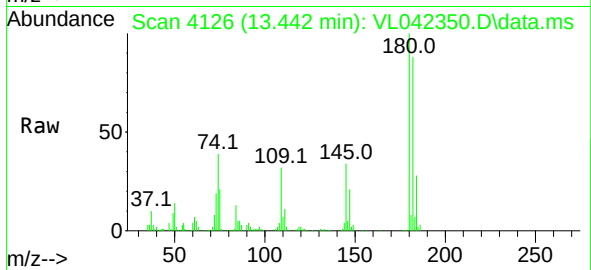
Tgt Ion:142 Resp: 119262
Ion Ratio Lower Upper
142 100
141 84.7 66.8 100.2
115 42.2 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 2.353 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042350.D
 Acq: 17 Apr 2025 10:17

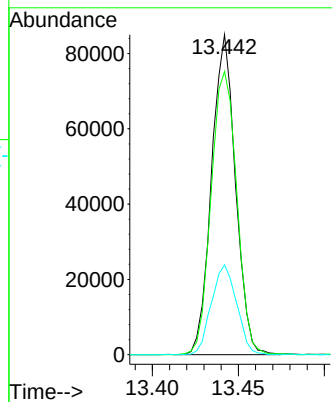
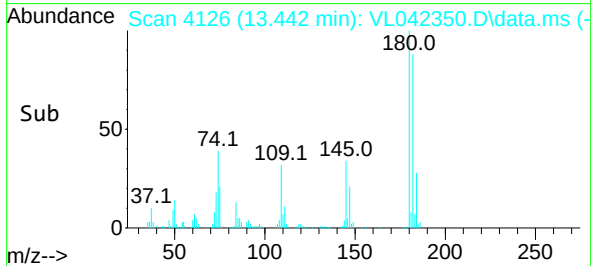
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180	Resp:	82150
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.8 115.2
184	29.8	24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042351.D
 Acq On : 17 Apr 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:27:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	124177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	359907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	329090	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 269087 9.950 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	22816	1.040	ppbv	93
3) Chlorodifluoromethane	1.476	51	20573	0.985	ppbv	97
4) Chloromethane	1.535	50	9008	1.038	ppbv	99
5) Vinyl Chloride	1.580	62	8807	0.932	ppbv	98
6) Bromomethane	1.671	94	4099	1.001	ppbv	91
7) Chloroethane	1.706	64	3559	1.041	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	19251	1.022	ppbv	100
9) Propene	1.486	41	9892	1.040	ppbv	92
10) Heptane	4.982	43	28507m	1.114	ppbv	
11) Trichlorofluoromethane	1.878	101	22428	1.075	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	17865	1.047	ppbv	98
13) Ethanol	1.722	45	1730m	2.225	ppbv	
14) Bromoethene	1.784	108	6766	1.052	ppbv #	89
15) Acetone	1.839	43	23537	1.158	ppbv	97
16) 1,3-Butadiene	1.609	39	10377m	1.087	ppbv	
17) tert-Butyl alcohol	2.043	59	26477	1.051	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	7890	0.962	ppbv	94
19) Isopropyl Alcohol	1.888	45	12175	1.078	ppbv #	39
20) Methylene Chloride	2.062	84	9046	1.136	ppbv	87
21) Allyl Chloride	2.098	41	15057	1.073	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	9421	1.038	ppbv	96
23) Vinyl Acetate	2.467	43	9234	1.122	ppbv #	90
24) 1,1-Dichloroethane	2.409	63	18236	1.058	ppbv	99
25) Ethyl Acetate	2.842	43	51494	1.027	ppbv #	97
26) Hexane	2.826	57	21350	1.053	ppbv	95
27) Carbon Disulfide	2.153	76	20739	0.955	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	14164	1.066	ppbv #	85
29) Chloroform	2.852	83	28973	1.011	ppbv	100
30) Cyclohexane	3.862	84	16547m	1.013	ppbv	
31) cis-1,2-Dichloroethene	2.723	61	19904	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	31653	1.030	ppbv	98
34) 2-Butanone	2.564	43	29735	1.045	ppbv	99
35) Carbon Tetrachloride	3.768	117	29875	0.917	ppbv	94
36) Benzene	3.661	78	38707	0.997	ppbv	95
37) 1,2-Dichloroethane	3.224	62	23284	0.999	ppbv	97
38) Trichloroethene	4.551	130	16119	0.947	ppbv	96
39) 1,2-Dichloropropane	4.318	63	14866	1.027	ppbv	96
40) 1,4-Dioxane	4.597	88	8737m	1.114	ppbv	
41) Tetrahydrofuran	3.062	42	17259	1.049	ppbv	96
42) Bromodichloromethane	4.490	83	32721	1.009	ppbv #	98
43) Methyl Methacrylate	4.885	69	18699m	1.073	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	68946m	1.027	ppbv	
45) t-1,3-Dichloropropene	6.416	75	18347m	1.026	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042351.D
 Acq On : 17 Apr 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:27:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

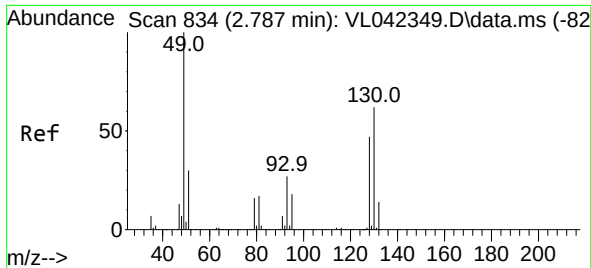
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	22189m	1.015	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	15457m	1.048	ppbv	
48) Dibromochloromethane	7.390	129	25948	0.997	ppbv	100
49) Bromoform	9.484	173	22413	0.984	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	49725	1.049	ppbv	97
51) 2-Hexanone	7.445	43	47178	1.103	ppbv	99
52) Tetrachloroethene	8.228	164	14154	0.943	ppbv	93
53) Toluene	6.940	91	46611	1.001	ppbv	100
54) 1,2-Dibromoethane	7.658	107	21780	1.036	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.927	131	21052	1.057	ppbv	95
57) Chlorobenzene	8.921	112	35113	1.026	ppbv #	95
58) Ethyl Benzene	9.354	91	68703	1.054	ppbv	96
59) m/p-Xylene	9.552	91	110702m	2.101	ppbv	
60) o-Xylene	9.966	91	55831	1.056	ppbv	99
61) Styrene	9.872	104	25544	1.012	ppbv	100
62) Isopropylbenzene	10.542	105	81286	1.047	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	32410	0.943	ppbv	99
64) n-propylbenzene	10.989	120	19898	1.019	ppbv	90
65) tert-Butylbenzene	11.533	119	77598	1.087	ppbv	92
66) Benzyl Chloride	11.617	91	7864	1.003	ppbv #	91
67) sec-Butylbenzene	11.769	105	105919	1.067	ppbv	97
69) p-Isopropyltoluene	11.928	119	92733	1.075	ppbv	97
70) n-Butylbenzene	12.284	91	96306	1.072	ppbv	99
71) 2-Chlorotoluene	10.905	91	63321	1.040	ppbv	99
72) 4-Ethyltoluene	11.128	105	69698	1.078	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	60927	1.067	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	73888	1.108	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	36877	1.064	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	36692	1.053	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	35977	1.068	ppbv	97
78) Hexachloro-1,3-Butadiene	13.886	225	37377	1.098	ppbv	99
79) Naphthalene	13.517	128	90710	1.138	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	50487	1.111	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	36764	1.074	ppbv	99

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



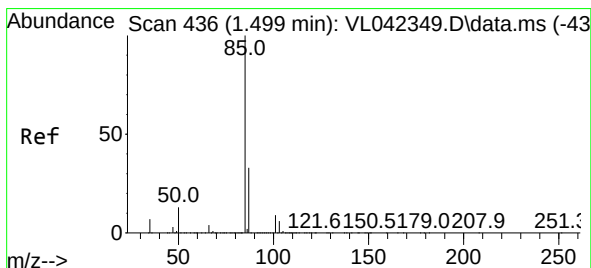
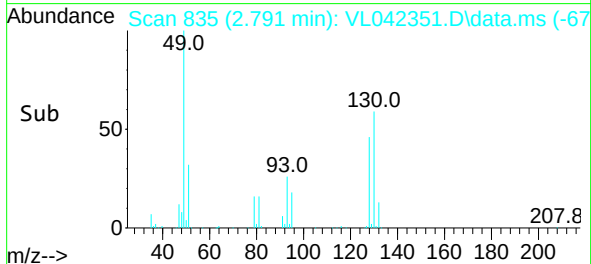
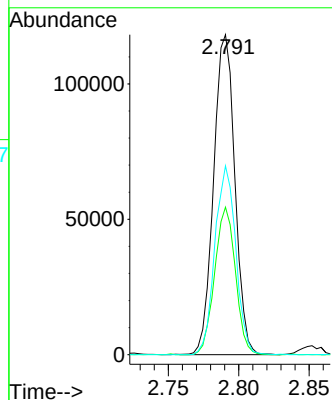
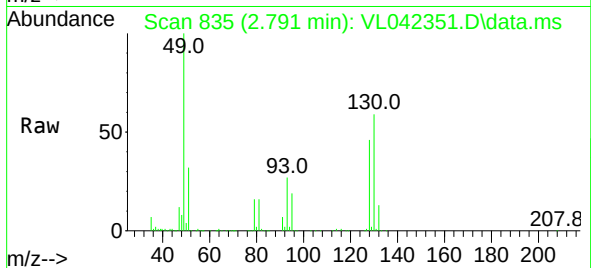
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 12417
Ion Ratio Lower Upper
49 100
128 45.2 22.8 68.4
130 58.1 29.3 88.0

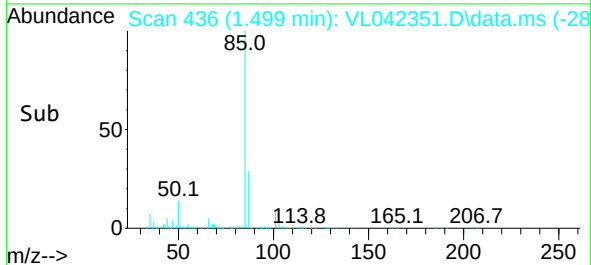
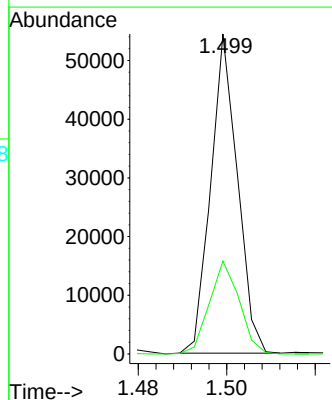
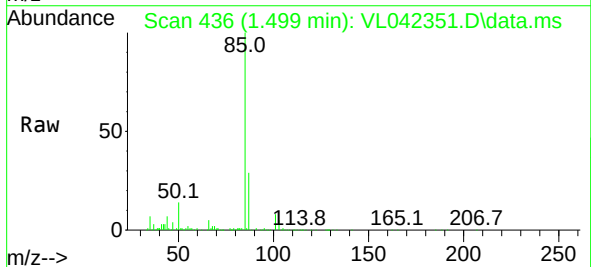
Manual Integrations
APPROVED

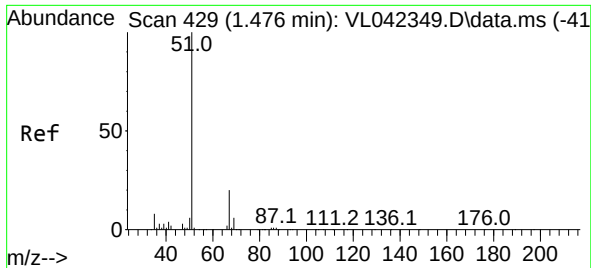
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#2
Dichlorodifluoromethane
Concen: 1.040 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

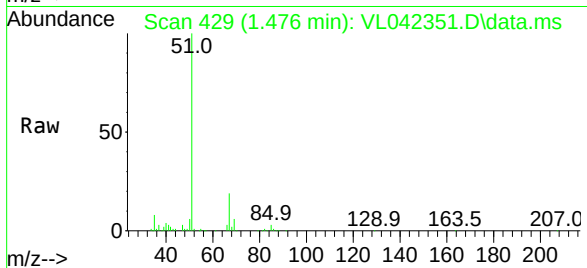
Tgt Ion: 85 Resp: 22816
Ion Ratio Lower Upper
85 100
87 29.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.985 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

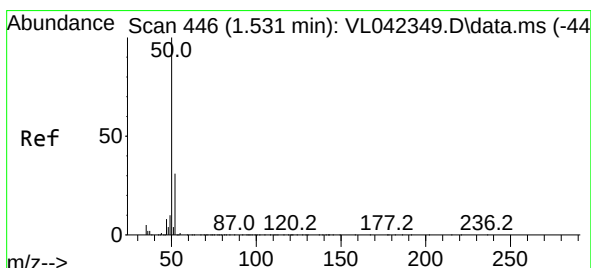
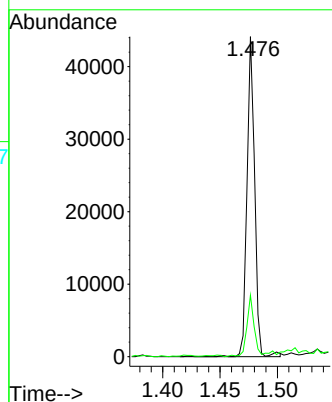
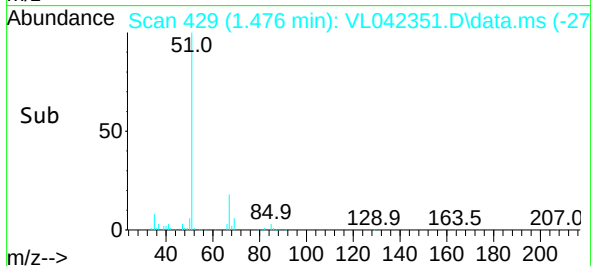
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



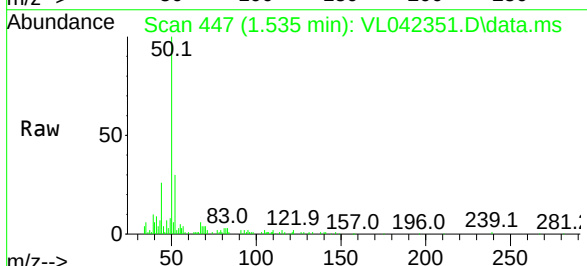
Tgt Ion: 51 Resp: 2057
Ion Ratio Lower Upper
51 100
67 19.1 16.2 24.4

Manual Integrations
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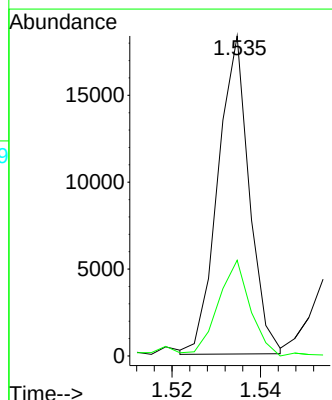
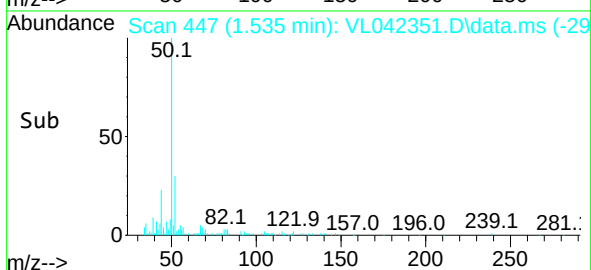
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

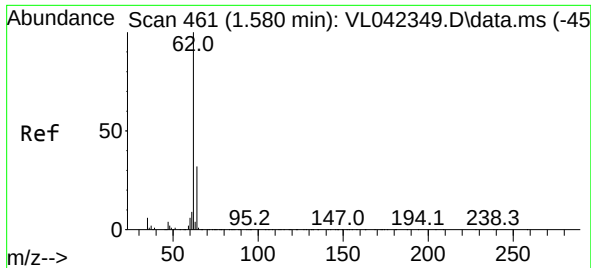


#4
Chloromethane
Concen: 1.038 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 50 Resp: 9008
Ion Ratio Lower Upper
50 100
52 30.4 24.7 37.1





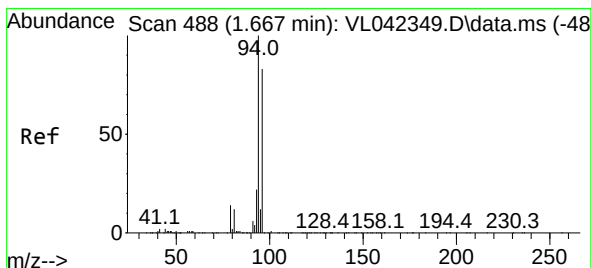
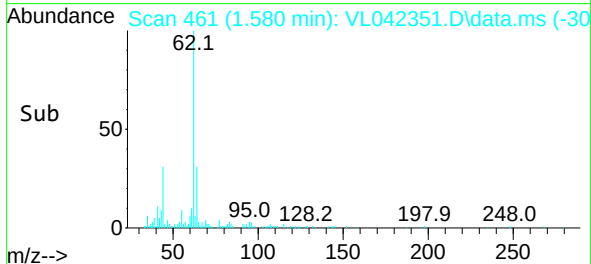
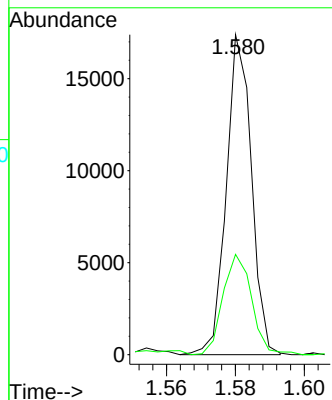
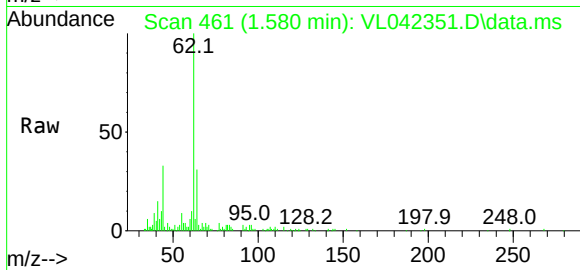
#5
 Vinyl Chloride
 Concen: 0.932 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 880
 Ion Ratio Lower Upper
 62 100
 64 30.5 25.4 38.0

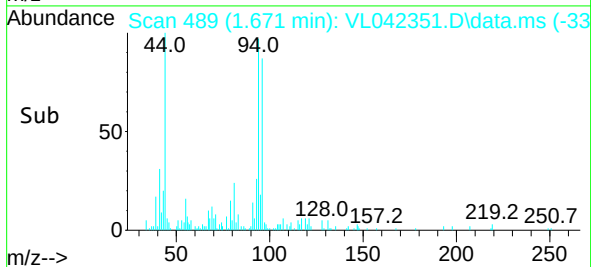
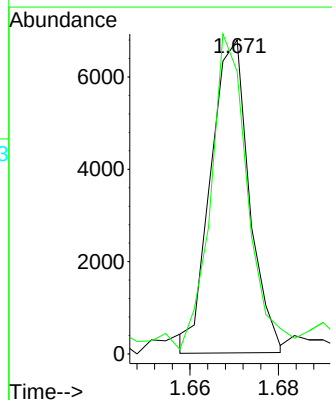
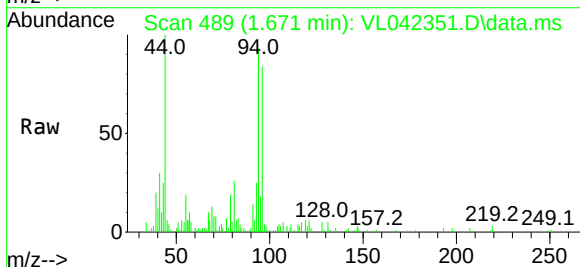
Manual Integrations
 APPROVED

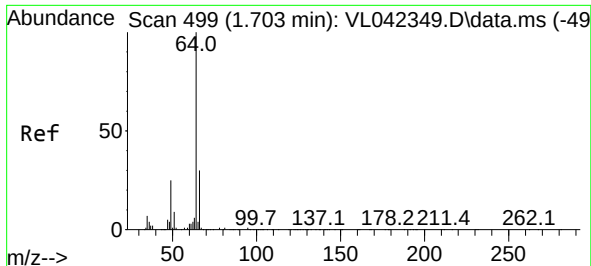
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 1.001 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

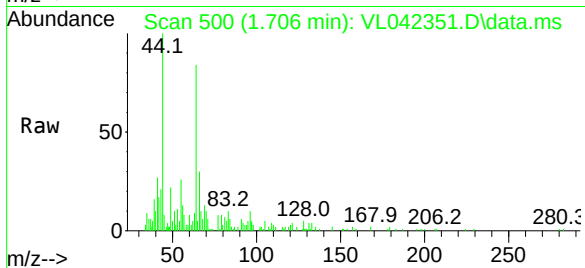
Tgt Ion: 94 Resp: 4099
 Ion Ratio Lower Upper
 94 100
 96 91.0 66.2 99.2





#7
Chloroethane
Concen: 1.041 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

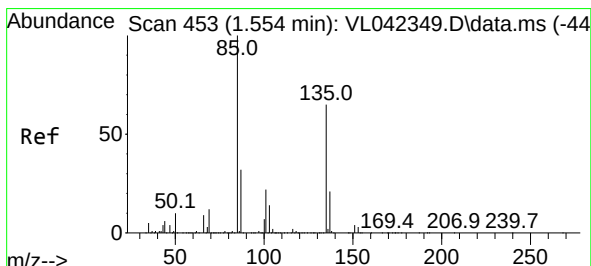
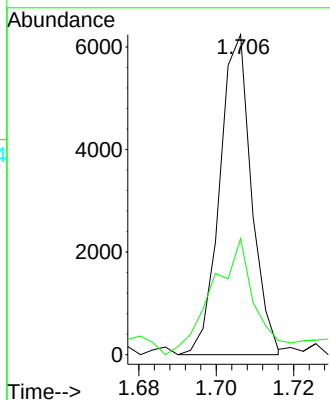
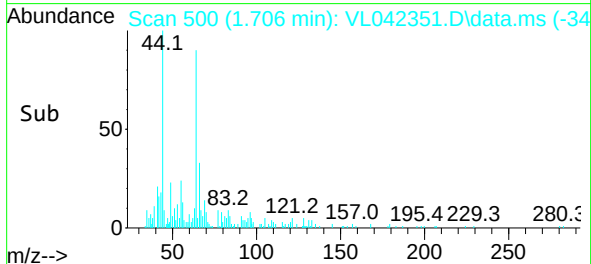
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



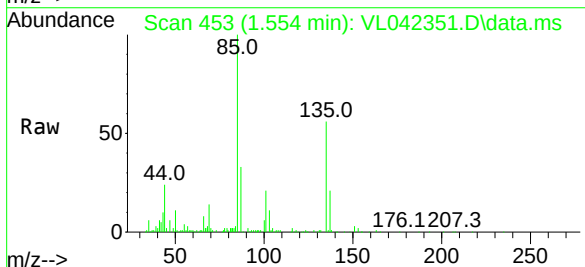
Tgt Ion: 64 Resp: 3559
Ion Ratio Lower Upper
64 100
66 36.3 24.6 37.0

Manual Integrations
APPROVED

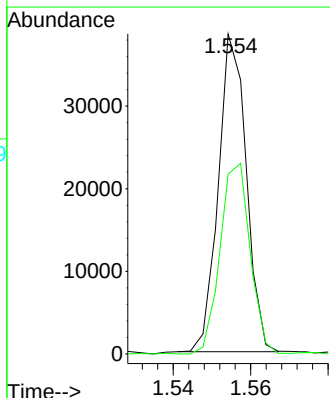
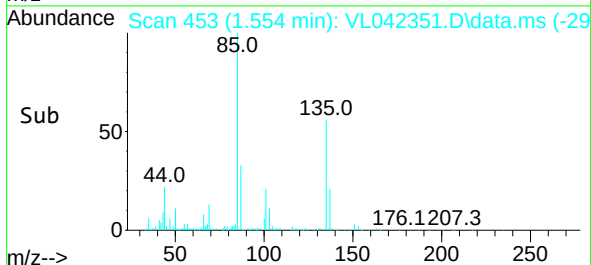
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

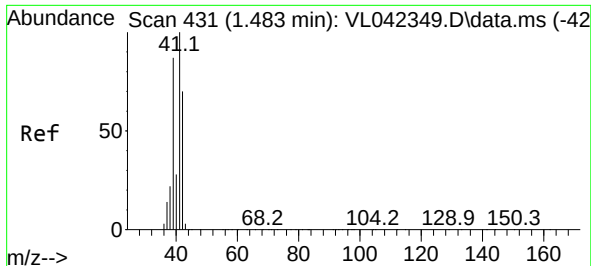


#8
Dichlorotetrafluoroethane
Concen: 1.022 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 85 Resp: 19251
Ion Ratio Lower Upper
85 100
135 65.2 52.2 78.2





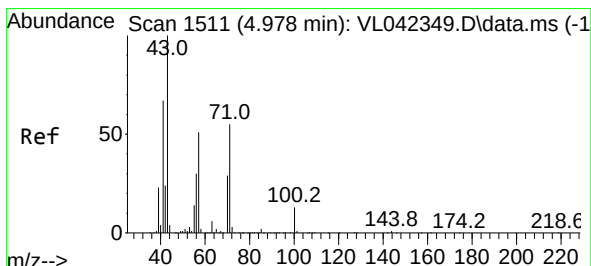
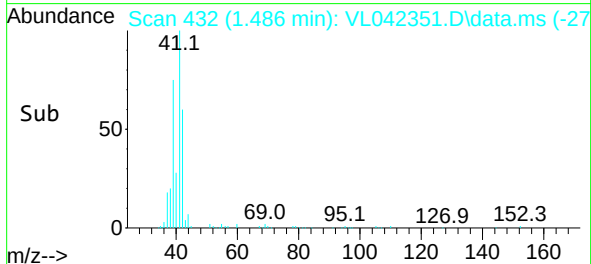
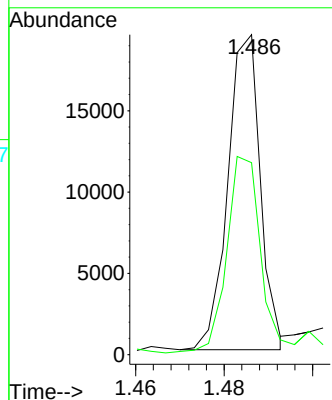
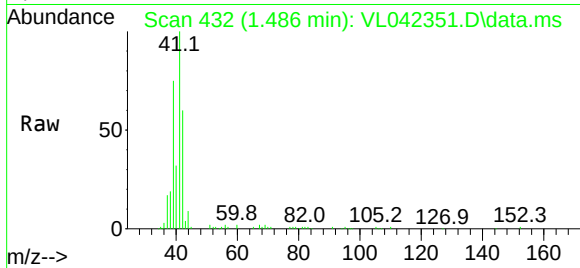
#9
 Propene
 Concen: 1.040 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 989
 Ion Ratio Lower Upper
 41 100
 42 77.2 56.2 84.4

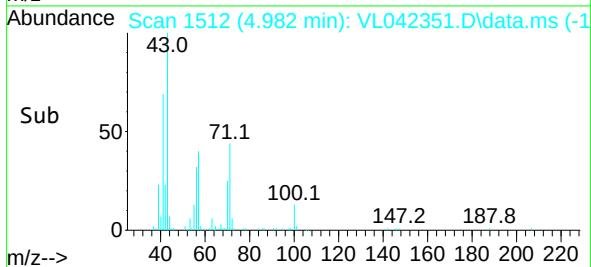
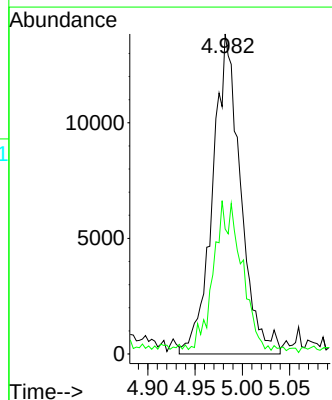
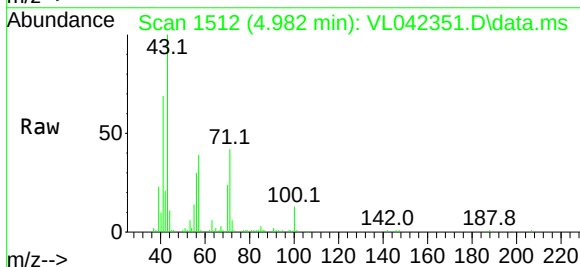
Manual Integrations
 APPROVED

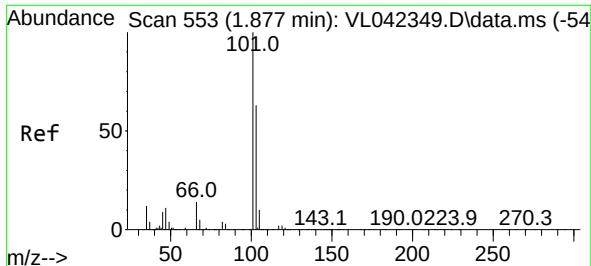
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#10
 Heptane
 Concen: 1.114 ppbv m
 RT: 4.982 min Scan# 1512
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

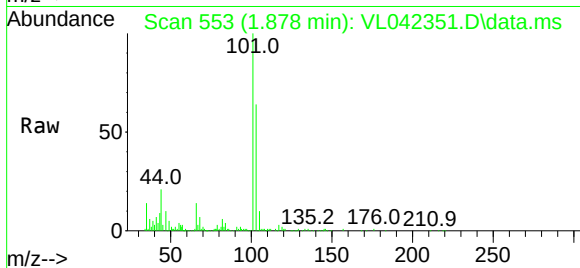
Tgt Ion: 43 Resp: 28507
 Ion Ratio Lower Upper
 43 100
 57 48.1 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 1.075 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

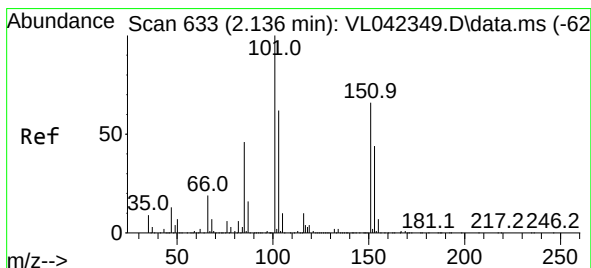
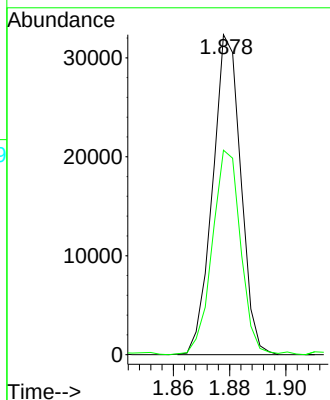
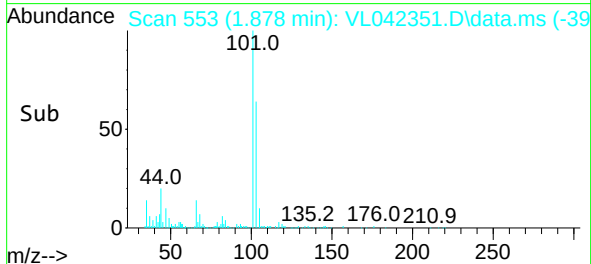
Instrument :
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 ClientSampleId :
 VSTDIC001



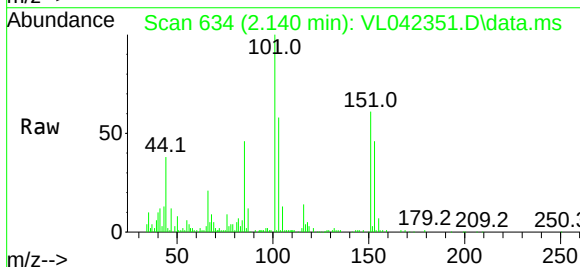
Tgt Ion:101 Resp: 22428
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.1 75.1

Manual Integrations
 APPROVED

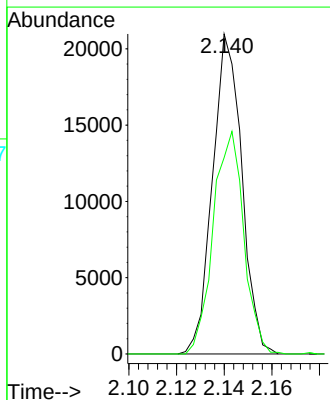
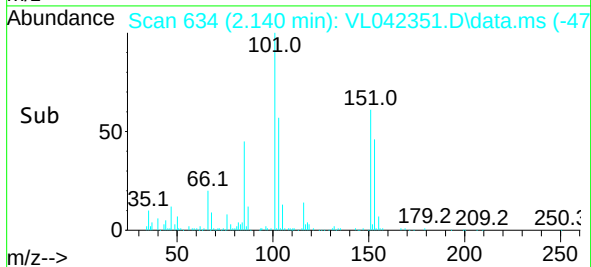
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

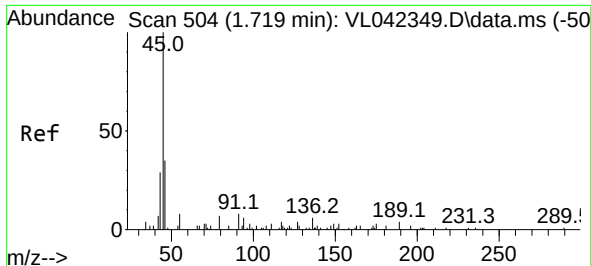


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.047 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48



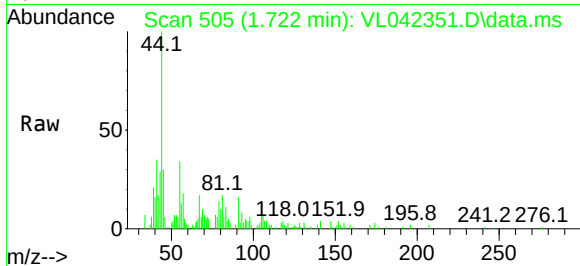
Tgt Ion:101 Resp: 17865
 Ion Ratio Lower Upper
 101 100
 151 72.6 57.0 85.6





#13
Ethanol
Concen: 2.225 ppbv m
RT: 1.722 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

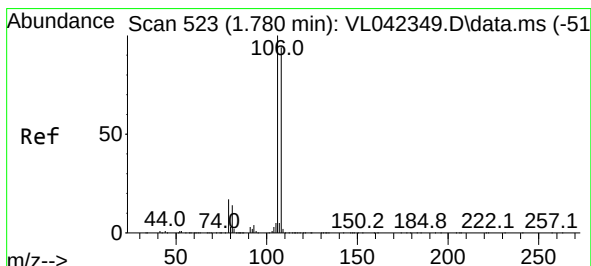
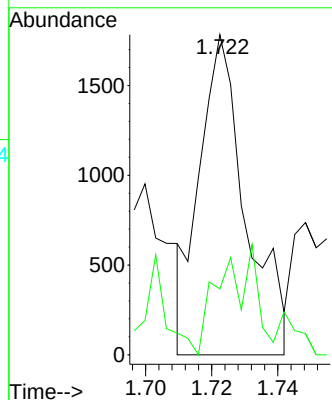
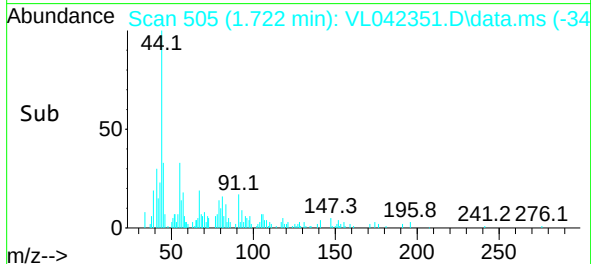
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



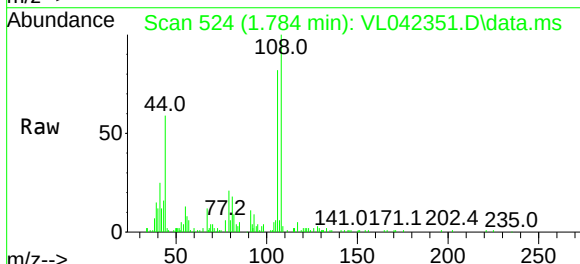
Tgt Ion: 45 Resp: 1730
Ion Ratio Lower Upper
45 100
46 44.9 21.9 87.7

Manual Integrations
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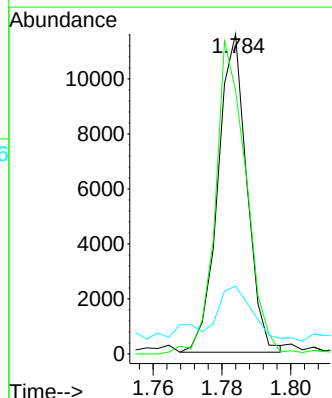
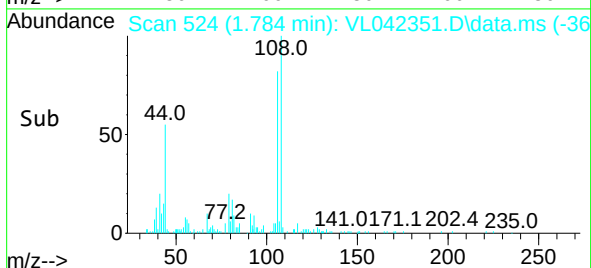
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

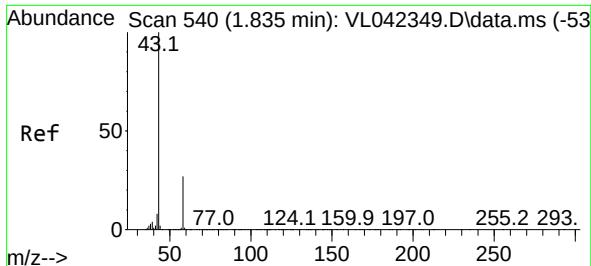


#14
Bromoethene
Concen: 1.052 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



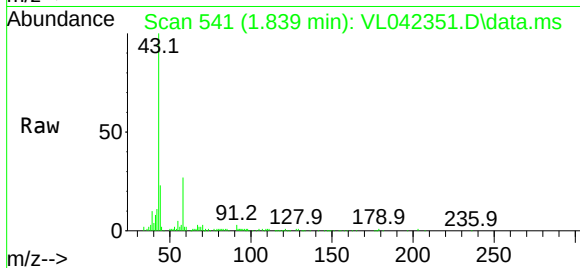
Tgt Ion:108 Resp: 6766
Ion Ratio Lower Upper
108 100
106 104.7 85.9 128.9
79 45.4 13.9 20.9





#15
Acetone
Concen: 1.158 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

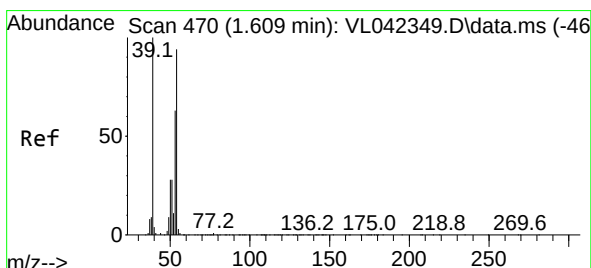
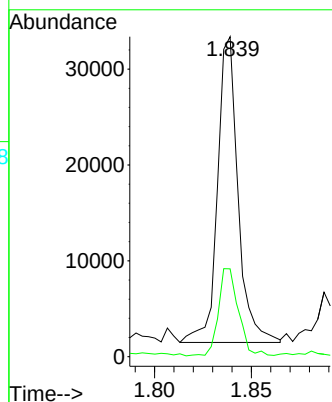
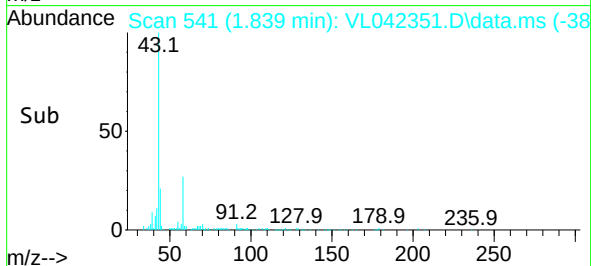
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



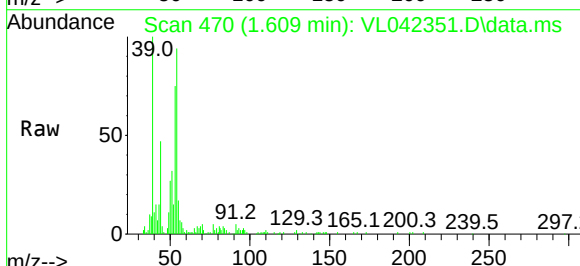
Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
58 29.4 22.4 33.6

Manual Integrations
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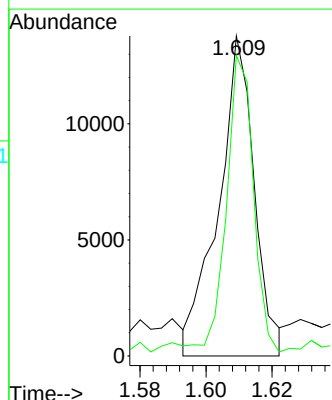
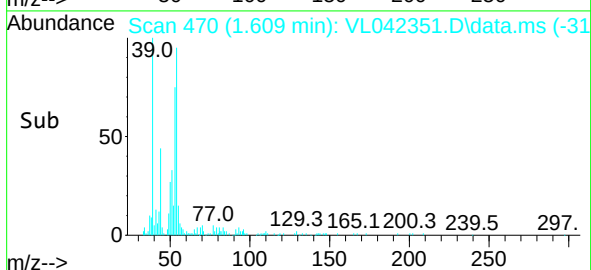
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

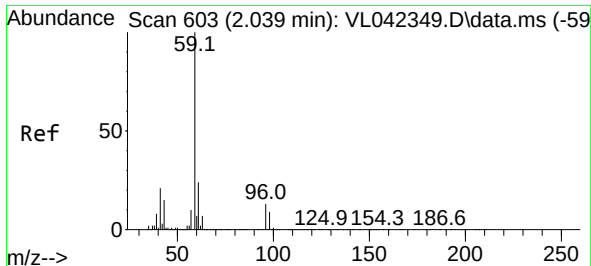


#16
1,3-Butadiene
Concen: 1.087 ppbv m
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 39 Resp: 10377
Ion Ratio Lower Upper
39 100
54 71.0 64.9 97.3





#17

tert-Butyl alcohol

Concen: 1.051 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 2647

Ion Ratio Lower Upper

59 100

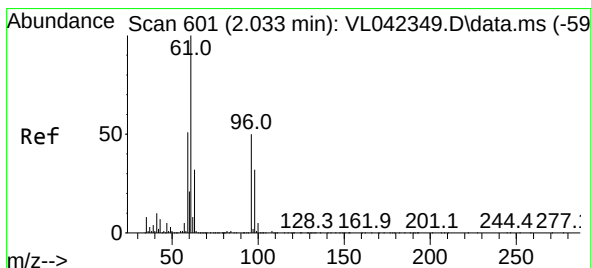
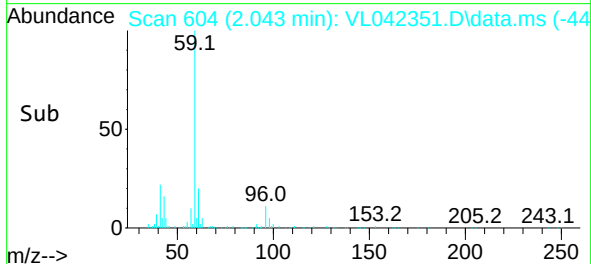
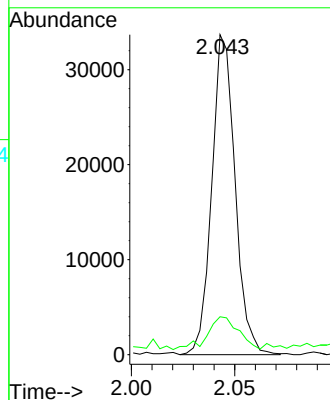
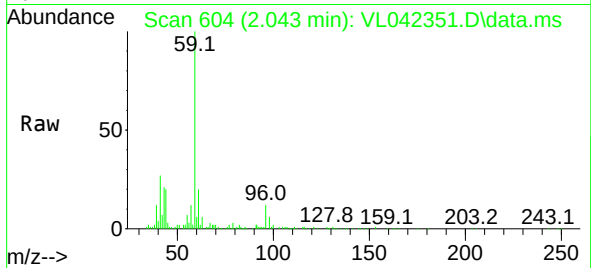
57 14.6 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#18

1,1-Dichloroethene

Concen: 0.962 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

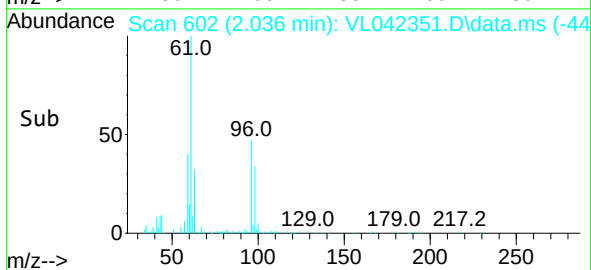
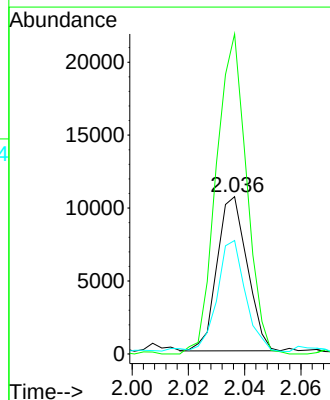
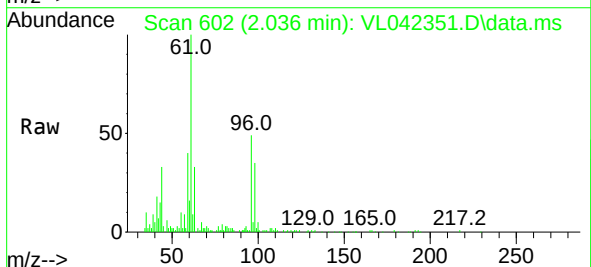
Tgt Ion: 96 Resp: 7890

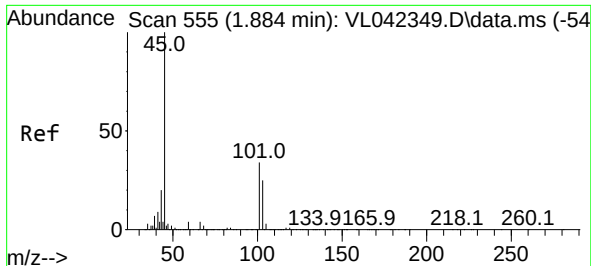
Ion Ratio Lower Upper

96 100

61 207.8 160.2 240.2

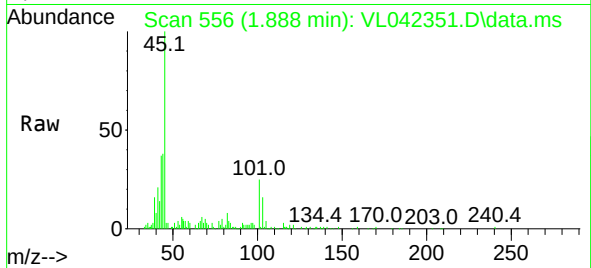
98 71.9 51.0 76.4





#19
Isopropyl Alcohol
Concen: 1.078 ppbv
RT: 1.888 min Scan# 511
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

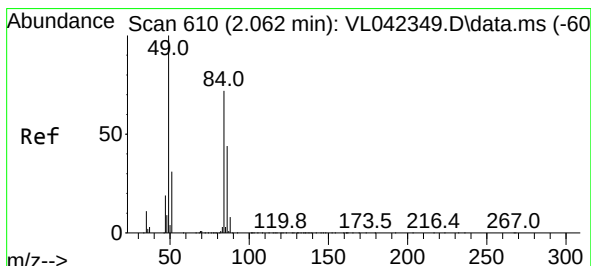
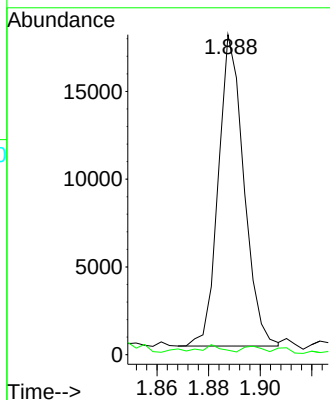
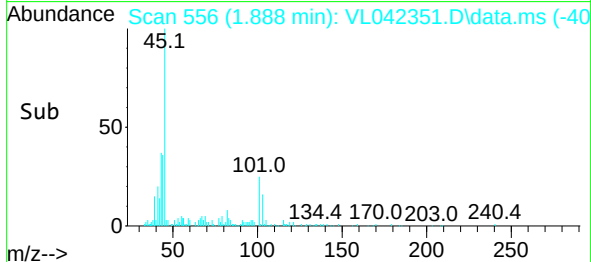
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



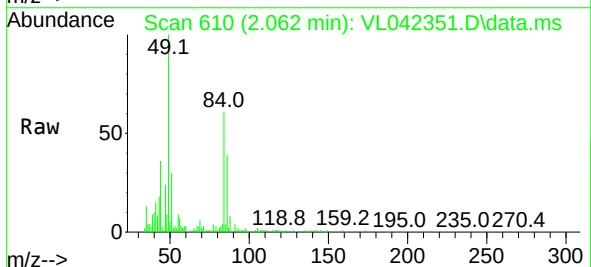
Tgt Ion: 45 Resp: 12175
Ion Ratio Lower Upper
45 100
58 3.8 34.5 51.75

Manual Integrations
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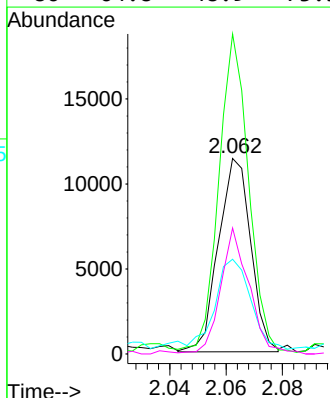
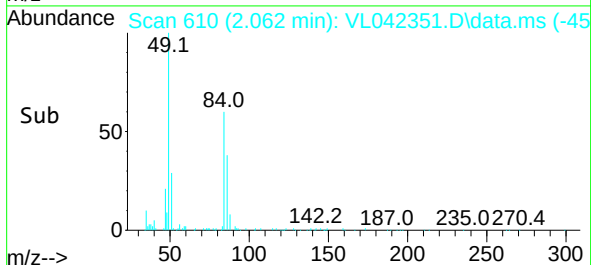
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

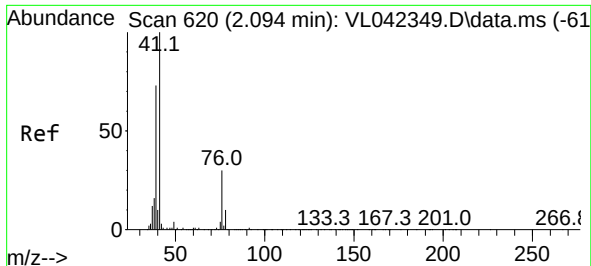


#20
Methylene Chloride
Concen: 1.136 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



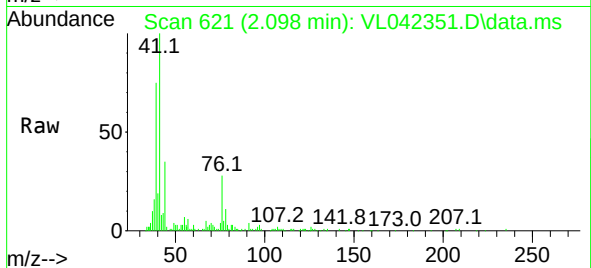
Tgt Ion: 84 Resp: 9046
Ion Ratio Lower Upper
84 100
49 164.4 111.6 167.4
51 44.4 35.1 52.7
86 64.8 48.9 73.3





#21
 Allyl Chloride
 Concen: 1.073 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

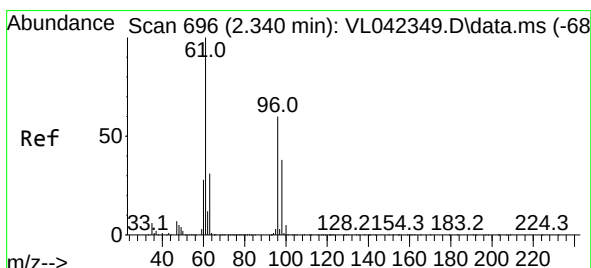
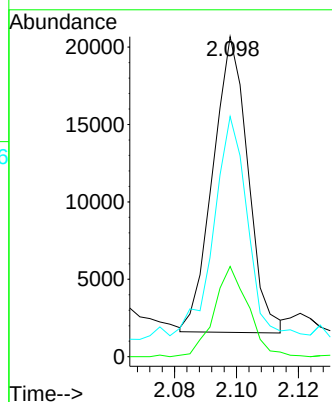
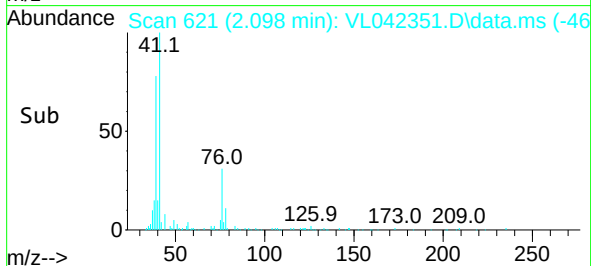
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 41 Resp: 1505
 Ion Ratio Lower Upper
 41 100
 76 29.8 24.8 37.2
 39 86.1 60.6 90.8

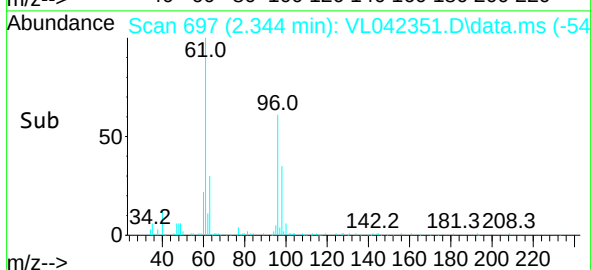
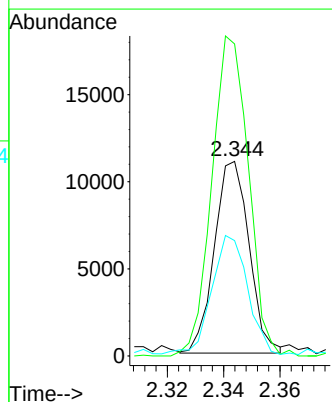
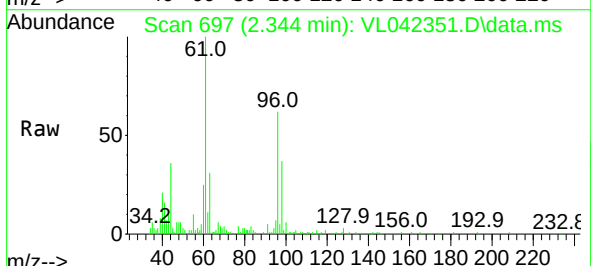
Manual Integrations
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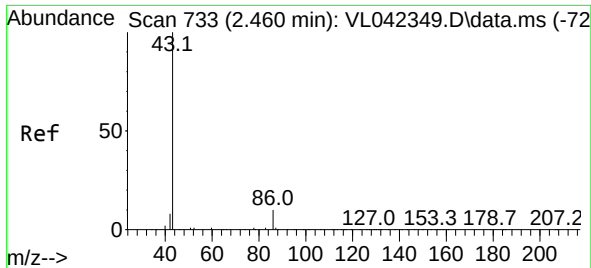
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.038 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

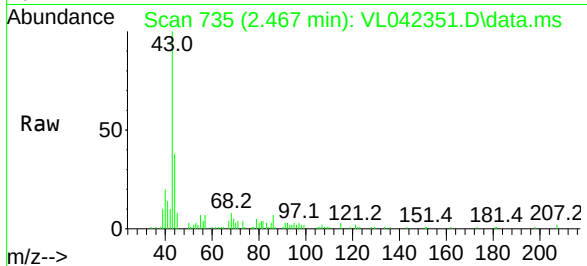
Tgt Ion: 96 Resp: 9421
 Ion Ratio Lower Upper
 96 100
 61 161.7 133.7 200.5
 98 59.8 50.3 75.5





#23
 Vinyl Acetate
 Concen: 1.122 ppbv
 RT: 2.467 min Scan# 717
 Delta R.T. 0.007 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

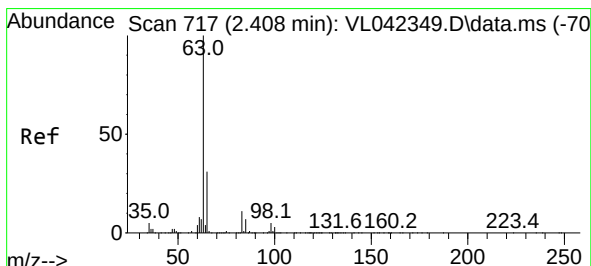
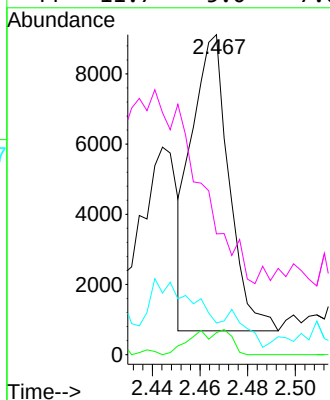
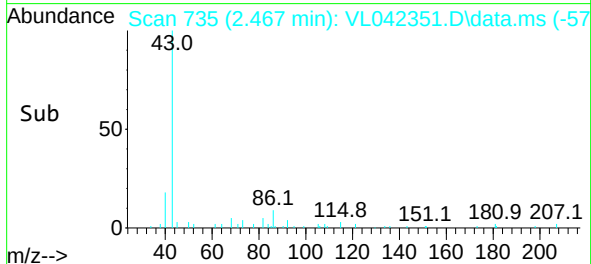
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001



Tgt Ion: 43 Resp: 9234
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.5 9.7
 42 4.6 7.8 11.8
 44 11.7 5.0 7.6#

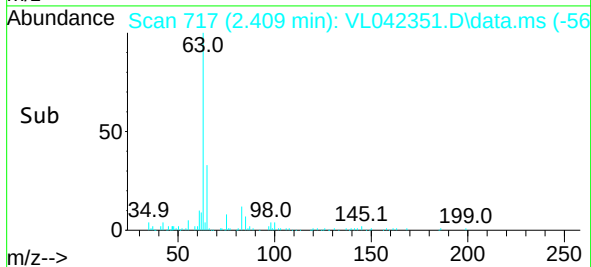
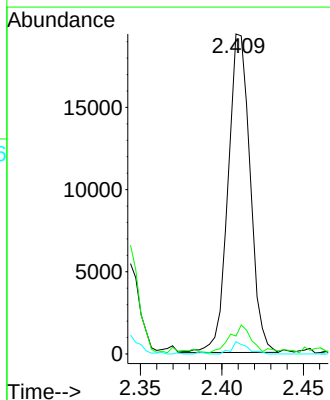
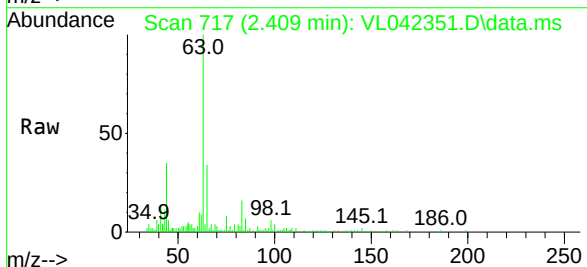
Manual Integrations
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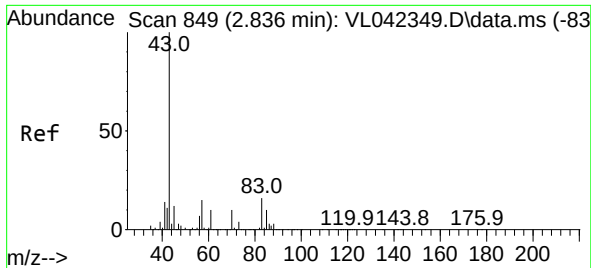
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 1.058 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

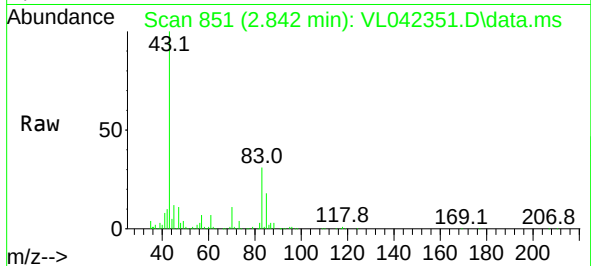
Tgt Ion: 63 Resp: 18236
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.3 6.8
 100 3.9 1.6 4.8





#25
Ethyl Acetate
Concen: 1.027 ppbv
RT: 2.842 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

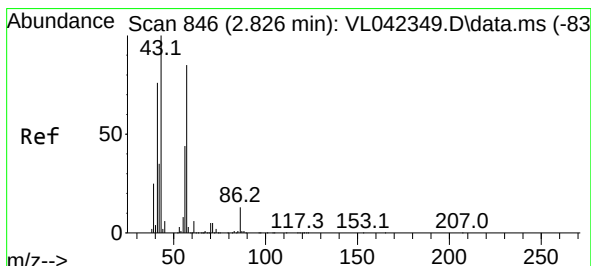
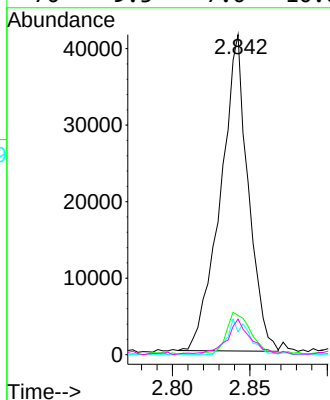
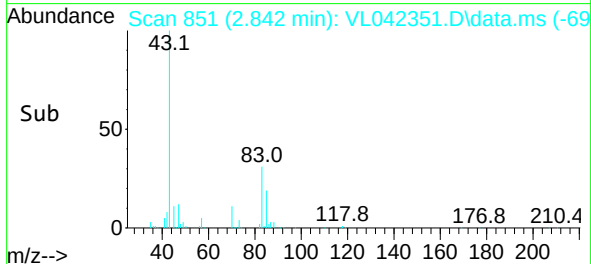
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 51494
Ion Ratio Lower Upper
43 100
45 13.1 8.3 12.5
61 9.0 7.3 10.9
70 9.3 7.0 10.6

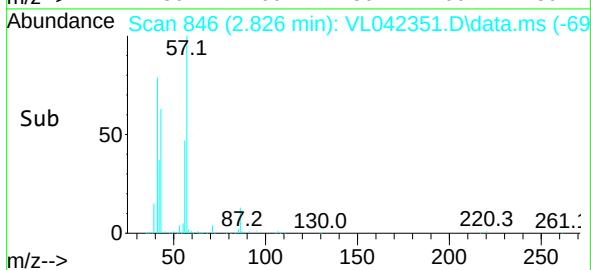
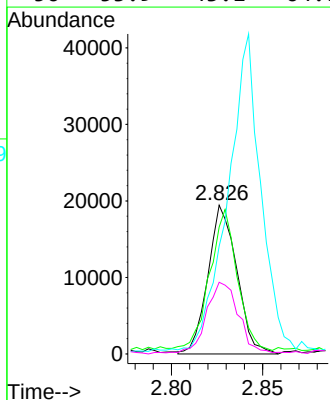
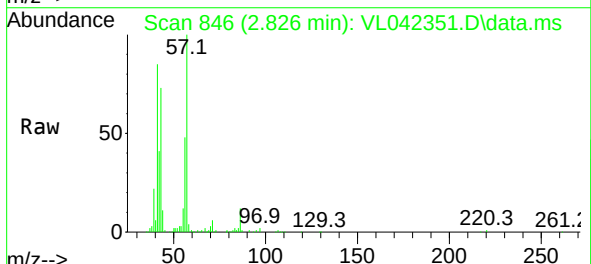
Manual Integrations
APPROVED

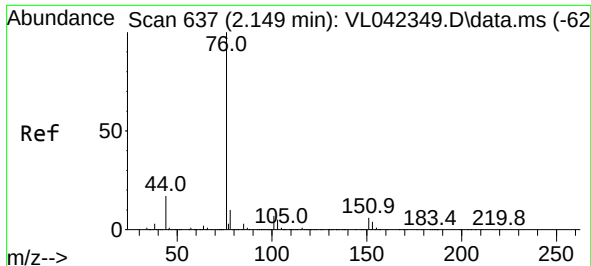
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#26
Hexane
Concen: 1.053 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 21350
Ion Ratio Lower Upper
57 100
41 95.3 77.9 116.9
43 247.5 208.4 312.6
56 53.9 43.1 64.7





#27

Carbon Disulfide

Concen: 0.955 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

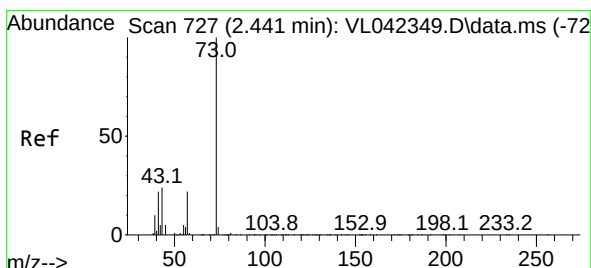
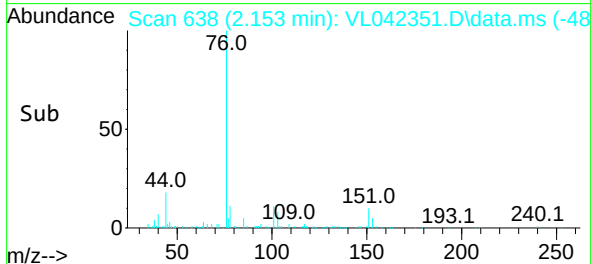
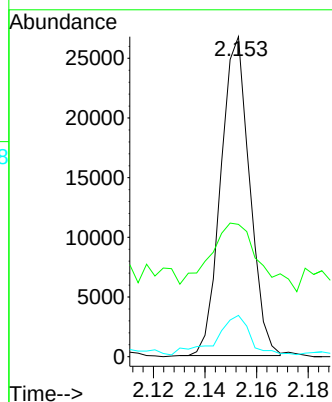
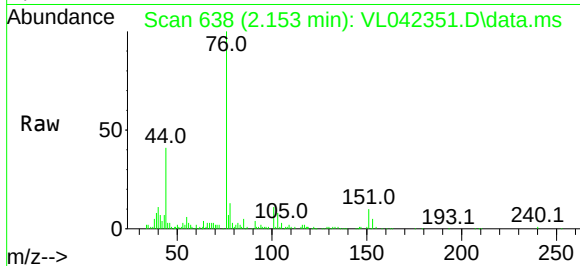
VSTDICC001

Tgt Ion: 76 Resp: 20739
 Ion Ratio Lower Upper
 76 100
 44 93.1 15.5 23.3
 78 19.8 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#28

Methyl tert-Butyl Ether

Concen: 1.066 ppbv

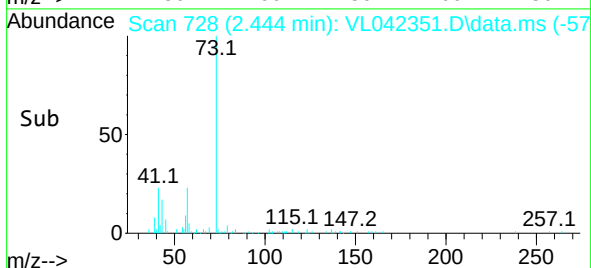
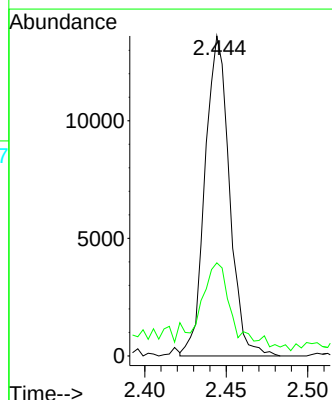
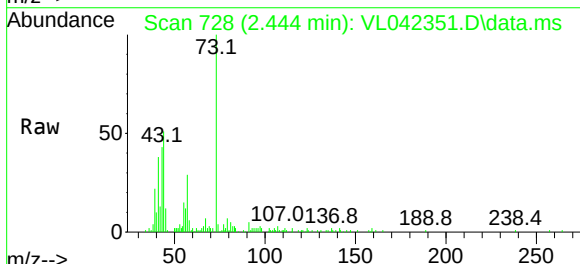
RT: 2.444 min Scan# 728

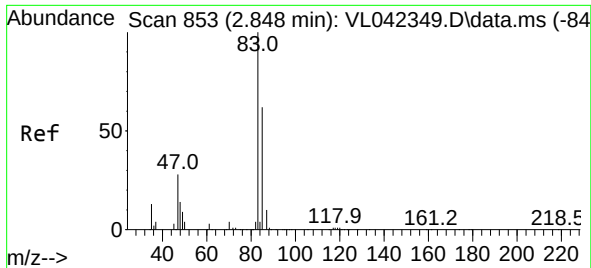
Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

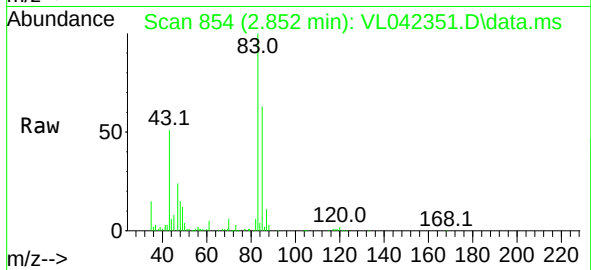
Tgt Ion: 73 Resp: 14164
 Ion Ratio Lower Upper
 73 100
 57 34.2 21.3 31.9





#29
Chloroform
Concen: 1.011 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

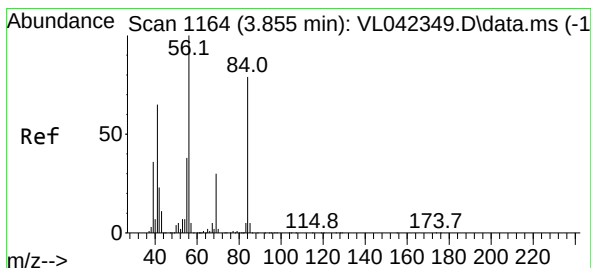
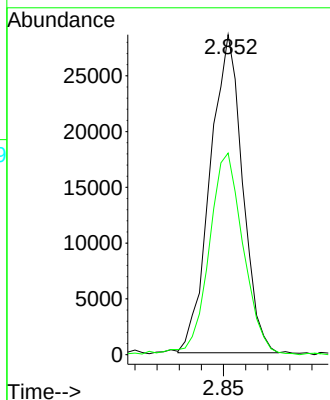
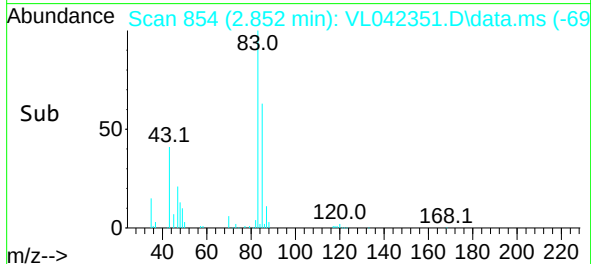
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 83 Resp: 2897
Ion Ratio Lower Upper
83 100
85 62.6 50.0 75.0

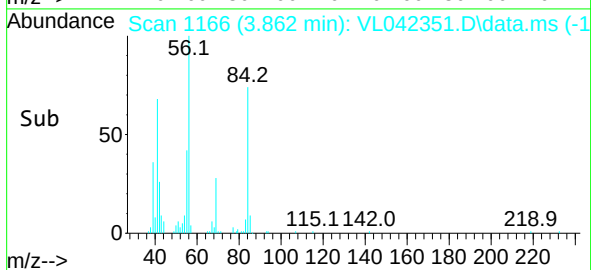
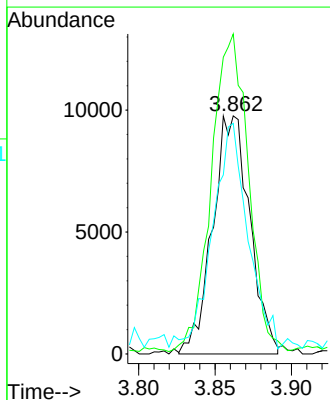
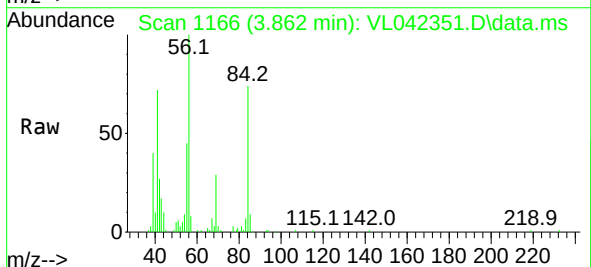
Manual Integrations
APPROVED

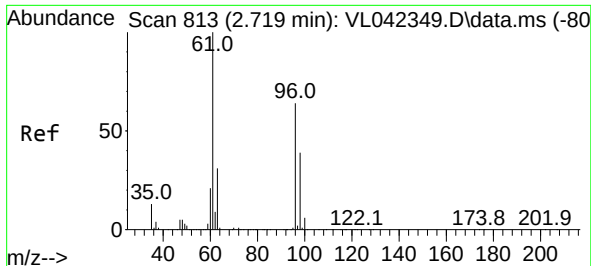
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#30
Cyclohexane
Concen: 1.013 ppbv m
RT: 3.862 min Scan# 1166
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

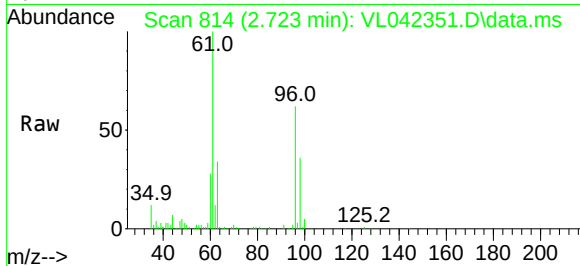
Tgt Ion: 84 Resp: 16547
Ion Ratio Lower Upper
84 100
56 134.2 101.0 151.4
41 85.1 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 1.032 ppbv
 RT: 2.723 min Scan# 813
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

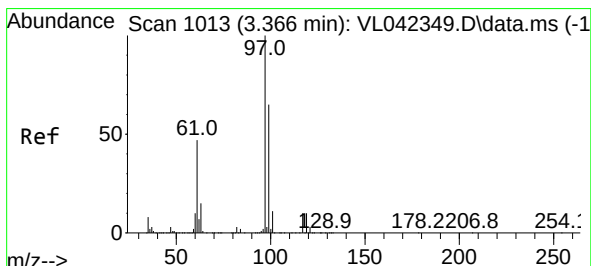
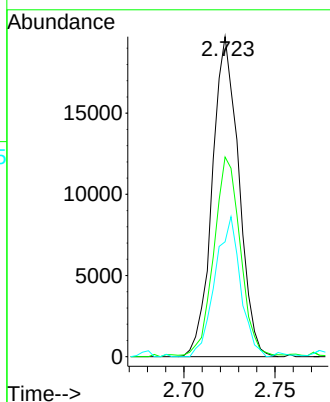
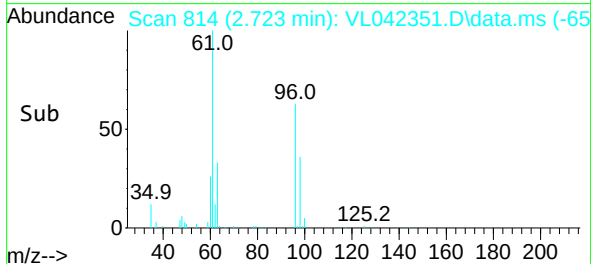
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



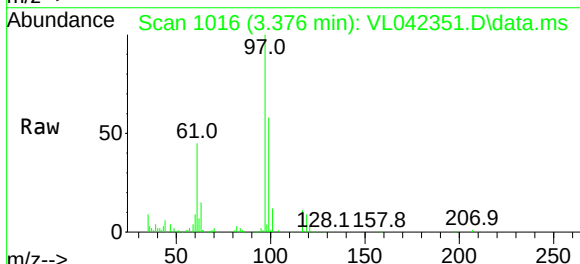
Tgt Ion: 61 Resp: 19904
 Ion Ratio Lower Upper
 61 100
 96 61.9 50.8 76.2
 98 35.9 30.9 46.3

Manual Integrations
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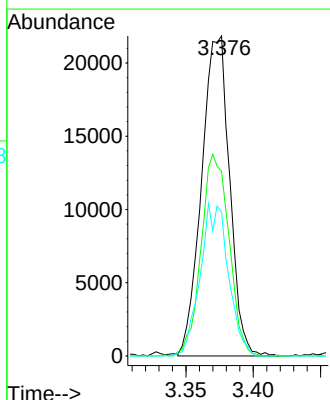
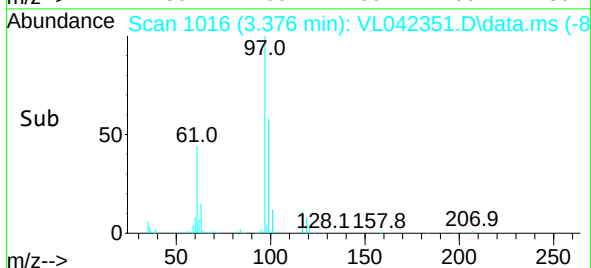
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

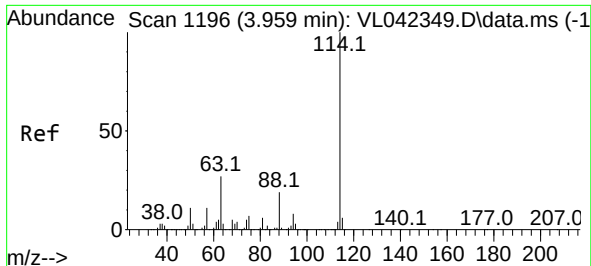


#32
 1,1,1-Trichloroethane
 Concen: 1.030 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.010 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48



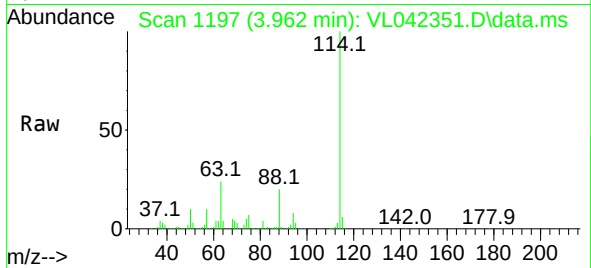
Tgt Ion: 97 Resp: 31653
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.0 76.4
 61 47.6 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1196
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

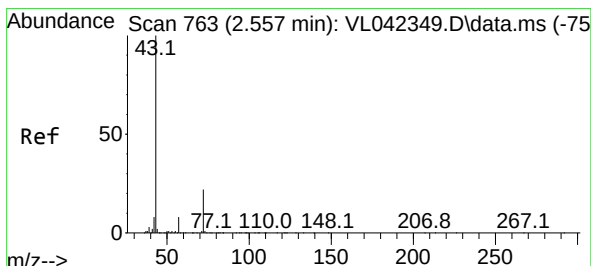
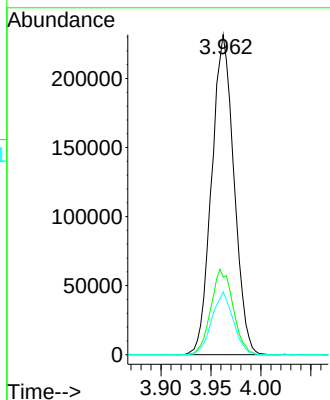
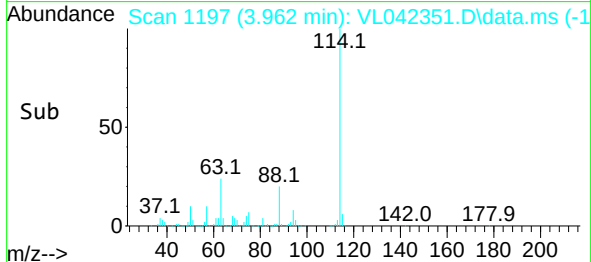
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:114 Resp: 35990
Ion Ratio Lower Upper
114 100
63 26.7 21.8 32.6
88 18.8 15.5 23.3

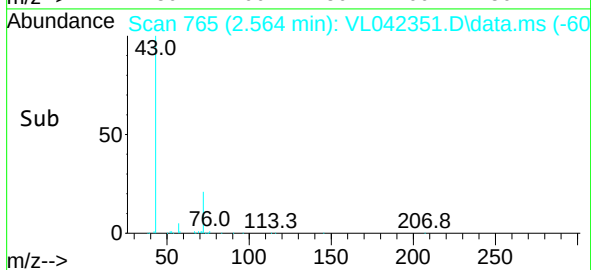
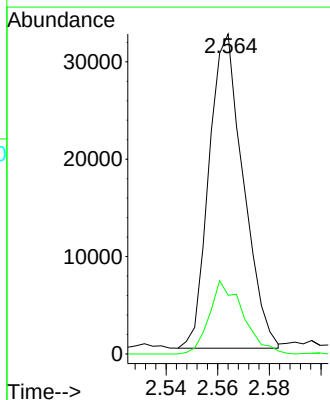
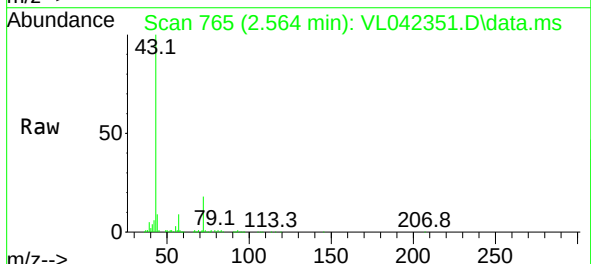
Manual Integrations
APPROVED

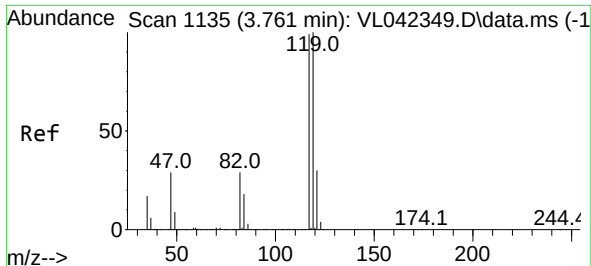
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#34
2-Butanone
Concen: 1.045 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

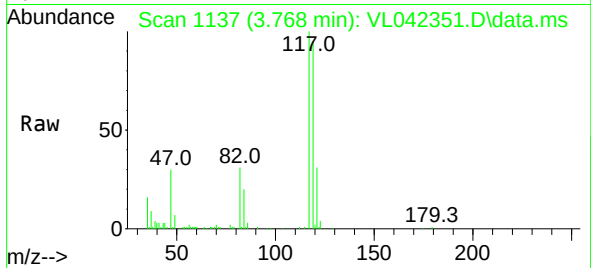
Tgt Ion: 43 Resp: 29735
Ion Ratio Lower Upper
43 100
72 23.1 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.917 ppbv
RT: 3.768 min Scan# 1135
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

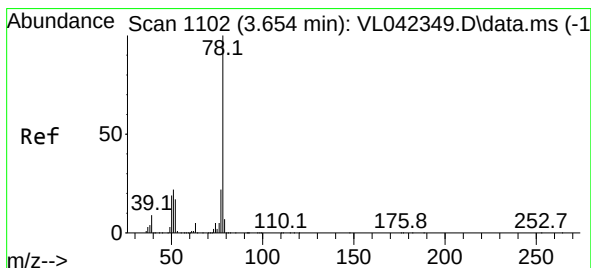
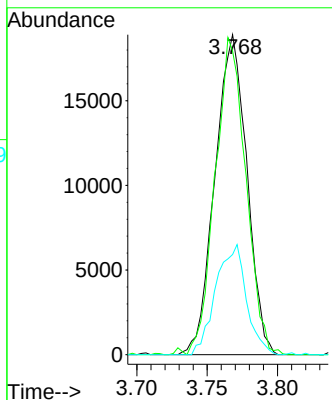
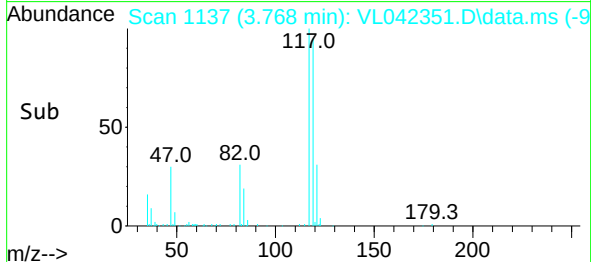
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 117 Resp: 2987
Ion Ratio Lower Upper
117 100
119 93.3 80.5 120.7
121 31.3 24.2 36.2

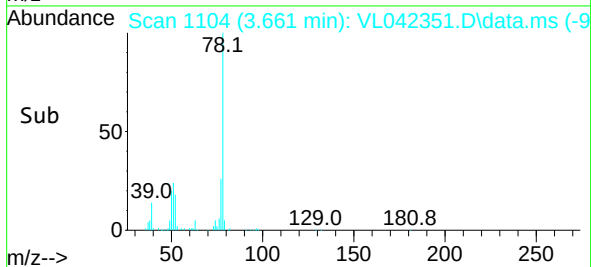
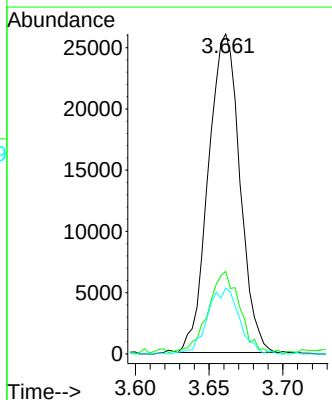
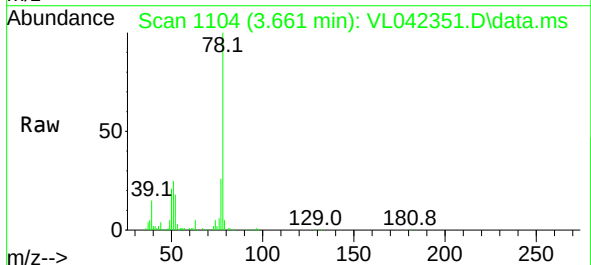
Manual Integrations
APPROVED

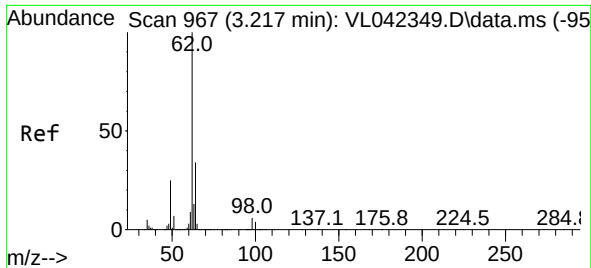
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#36
Benzene
Concen: 0.997 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 78 Resp: 38707
Ion Ratio Lower Upper
78 100
77 24.7 17.4 26.0
50 20.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.999 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 23284

Ion Ratio Lower Upper

62 100

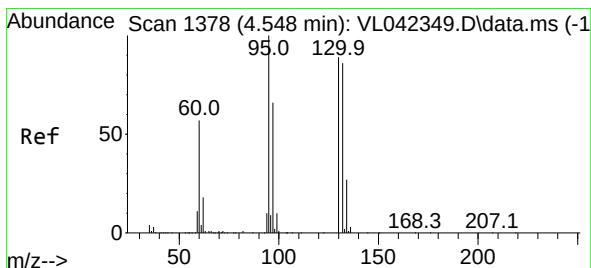
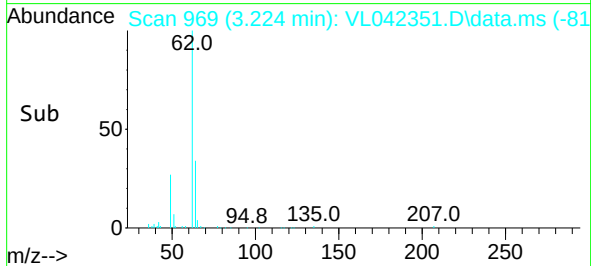
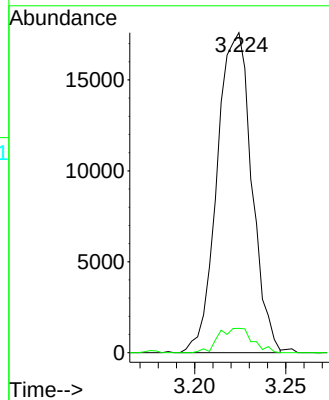
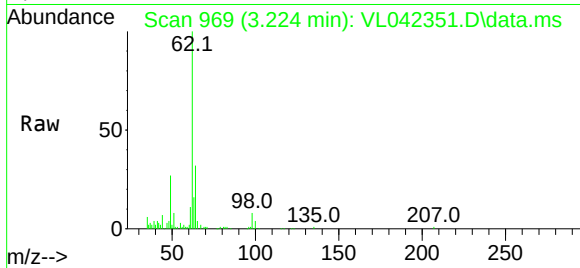
98 7.5 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 0.947 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:130 Resp: 16119

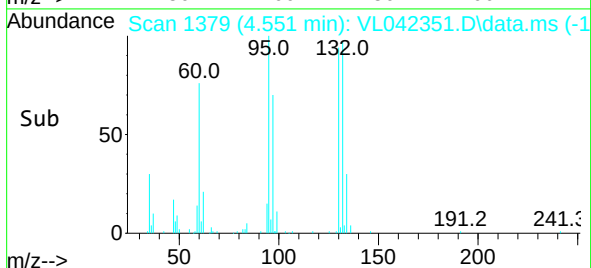
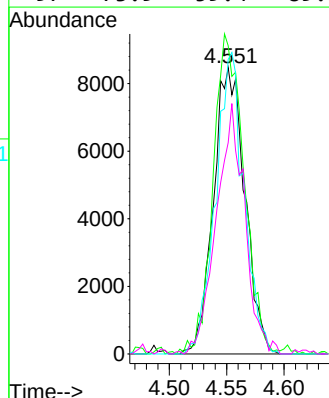
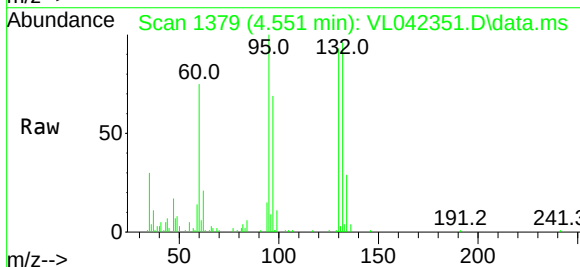
Ion Ratio Lower Upper

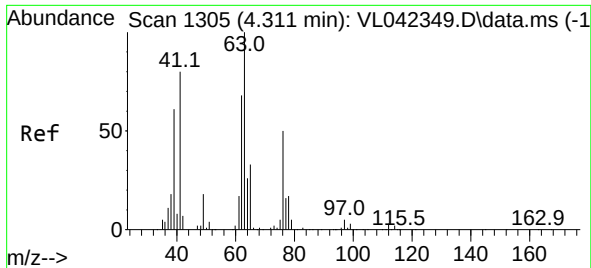
130 100

95 106.6 89.8 134.6

132 102.9 77.7 116.5

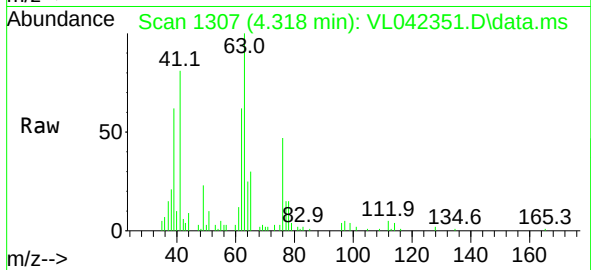
97 73.9 59.4 89.2





#39
1,2-Dichloropropane
Concen: 1.027 ppbv
RT: 4.318 min Scan# 1305
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

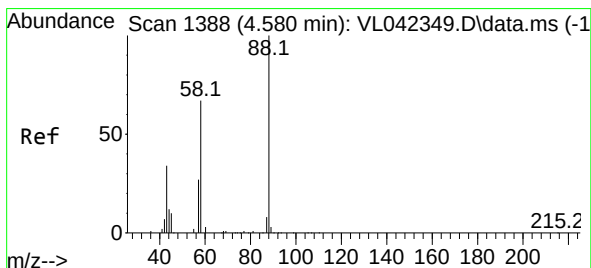
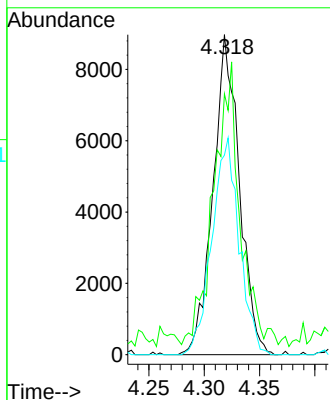
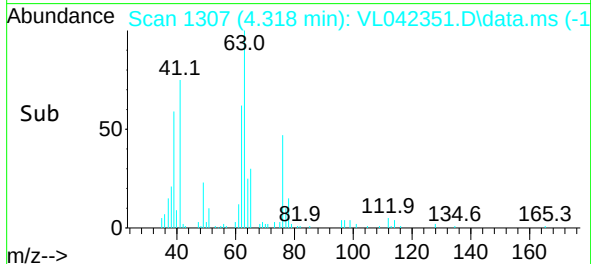
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 63 Resp: 1486
Ion Ratio Lower Upper
63 100
41 78.3 64.2 96.2
62 62.3 54.3 81.5

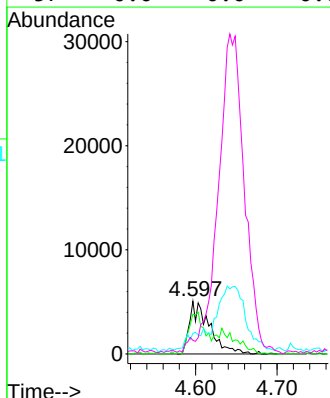
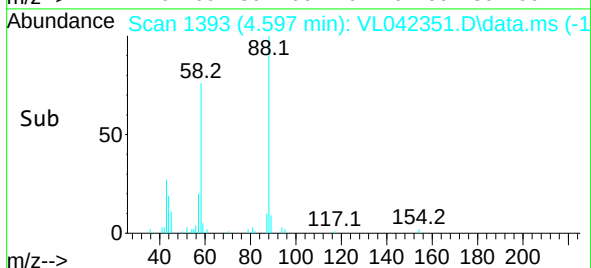
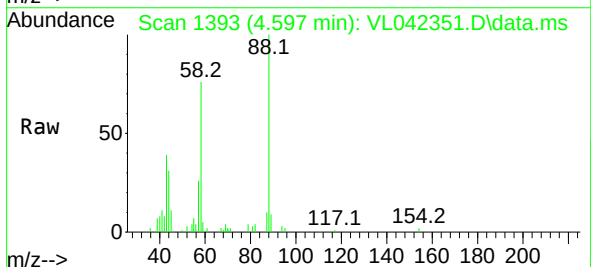
Manual Integrations
APPROVED

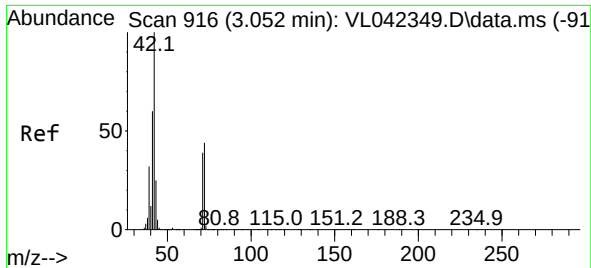
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#40
1,4-Dioxane
Concen: 1.114 ppbv m
RT: 4.597 min Scan# 1393
Delta R.T. 0.017 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

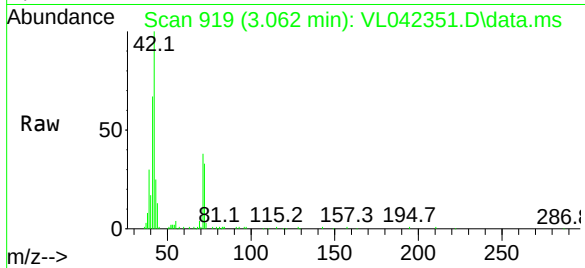
Tgt Ion: 88 Resp: 8737
Ion Ratio Lower Upper
88 100
58 110.6 61.4 92.0#
43 0.0 23.2 34.8#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 1.049 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

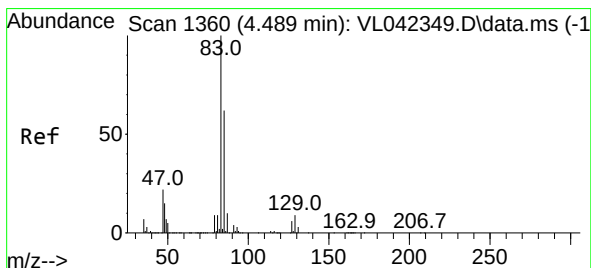
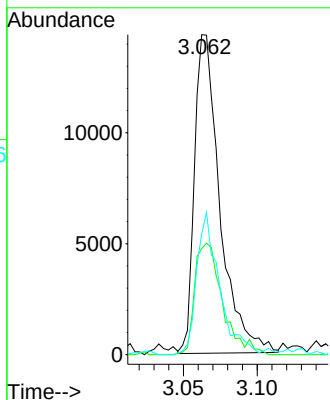
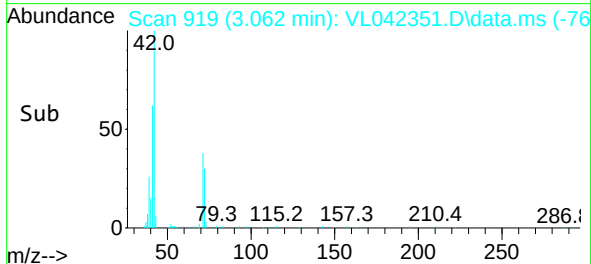
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



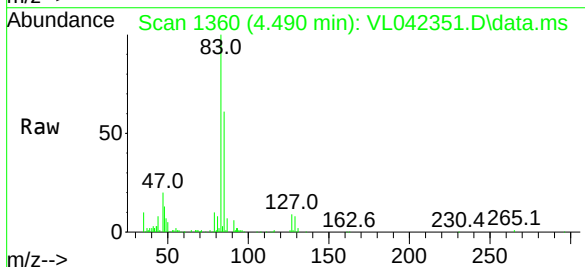
Tgt Ion: 42 Resp: 17259
Ion Ratio Lower Upper
42 100
72 38.1 32.3 48.5
71 42.3 31.4 47.2

Manual Integrations
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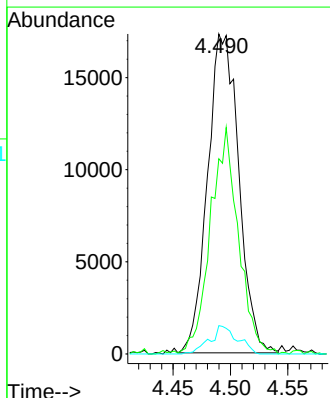
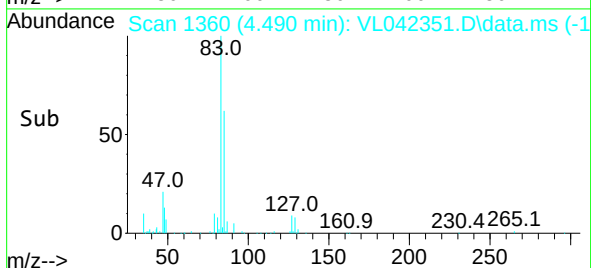
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

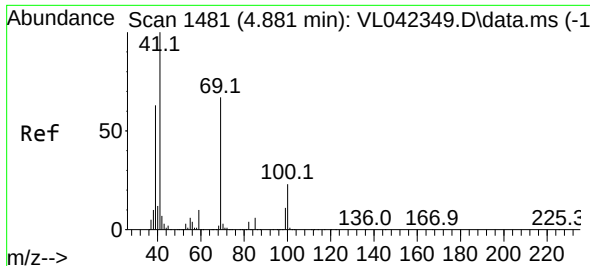


#42
Bromodichloromethane
Concen: 1.009 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



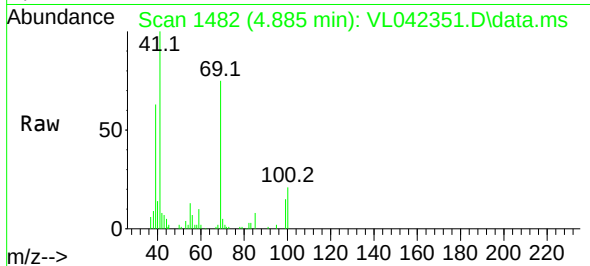
Tgt Ion: 83 Resp: 32721
Ion Ratio Lower Upper
83 100
85 61.2 49.7 74.5
127 8.9 5.1 7.7#





#43
Methyl Methacrylate
Concen: 1.073 ppbv m
RT: 4.885 min Scan# 1481
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

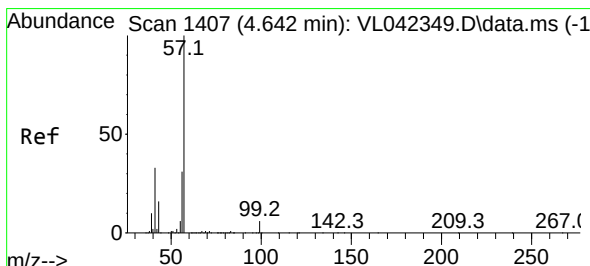
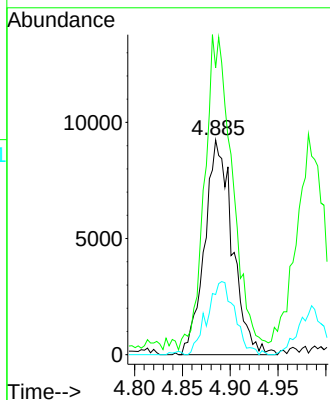
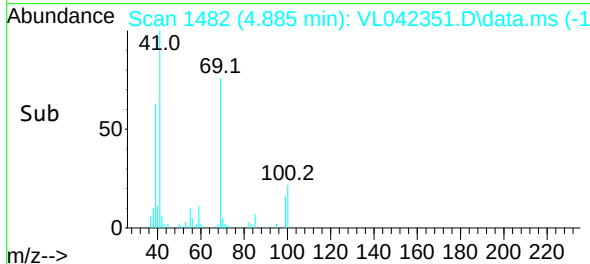
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



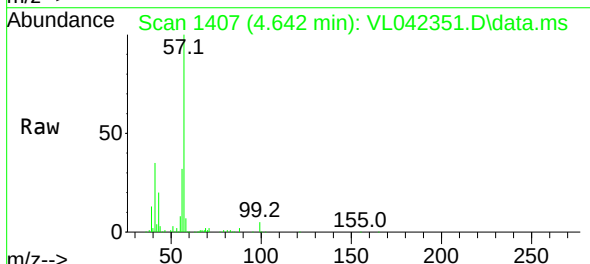
Tgt Ion: 69 Resp: 18699
Ion Ratio Lower Upper
69 100
41 149.3 118.6 177.8
100 0.0 28.2 42.2

Manual Integrations
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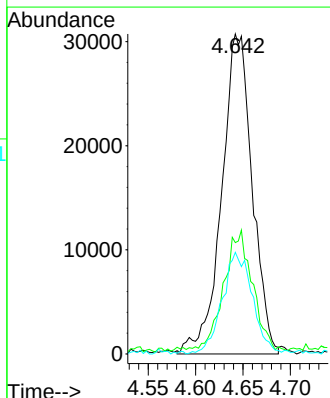
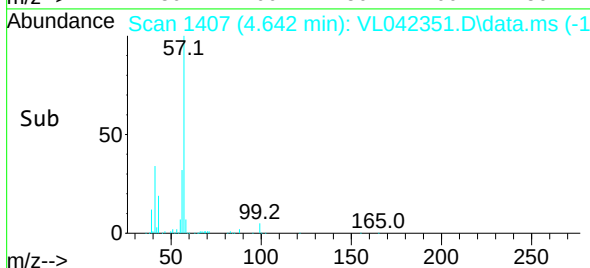
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

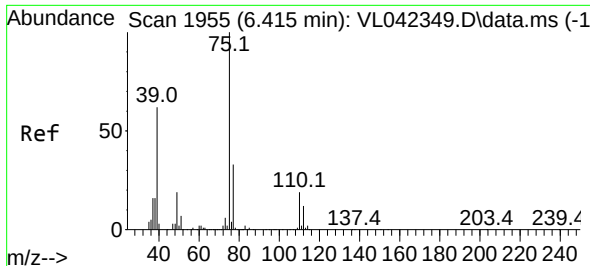


#44
2,2,4-Trimethylpentane
Concen: 1.027 ppbv m
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



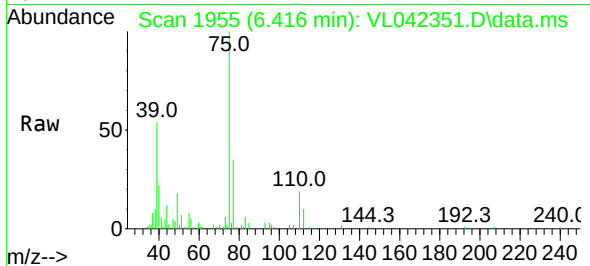
Tgt Ion: 57 Resp: 68946
Ion Ratio Lower Upper
57 100
41 37.9 27.2 40.8
56 0.0 25.7 38.5





#45
 t-1,3-Dichloropropene
 Concen: 1.026 ppbv m
 RT: 6.416 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

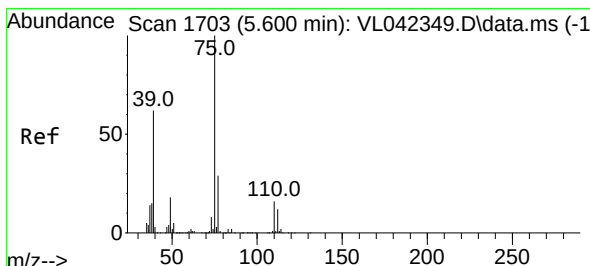
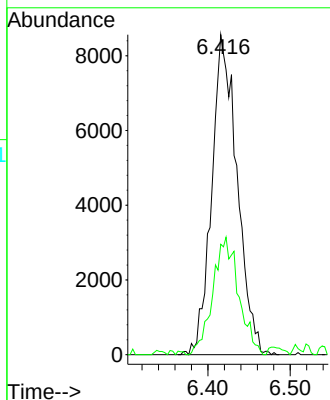
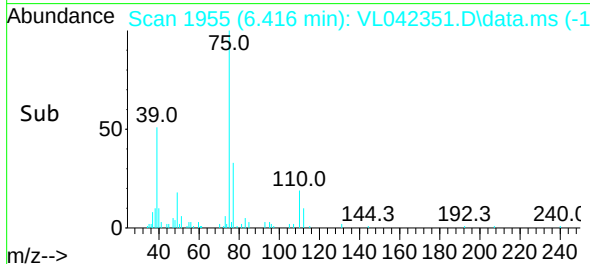
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 75 Resp: 1834
 Ion Ratio Lower Upper
 75 100
 77 34.5 27.0 40.6

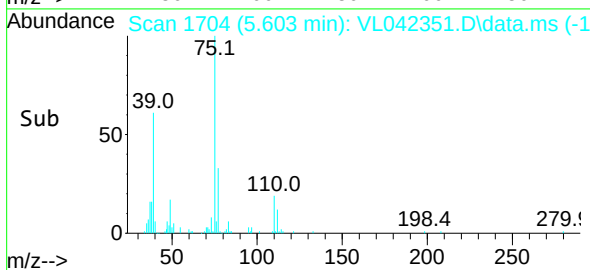
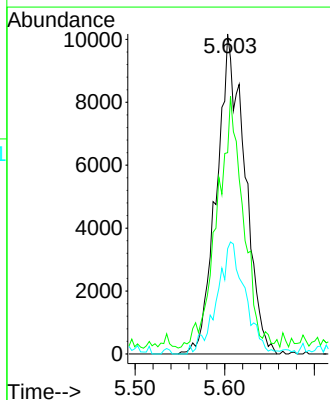
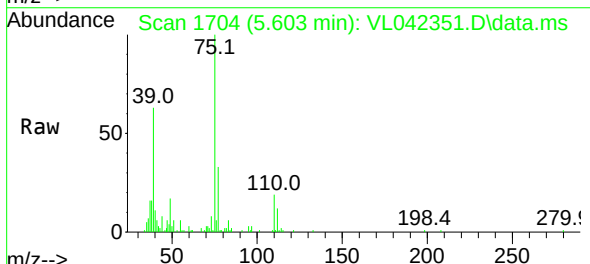
Manual Integrations
 APPROVED

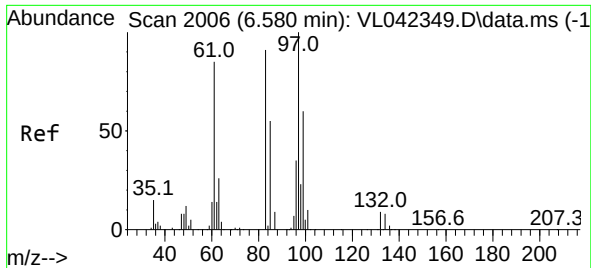
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.015 ppbv m
 RT: 5.603 min Scan# 1704
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

Tgt Ion: 75 Resp: 22189
 Ion Ratio Lower Upper
 75 100
 39 62.9 50.0 75.0
 77 32.9 23.0 34.6





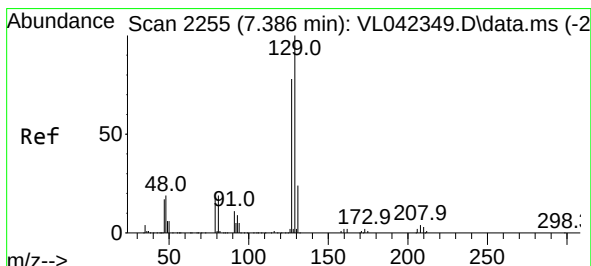
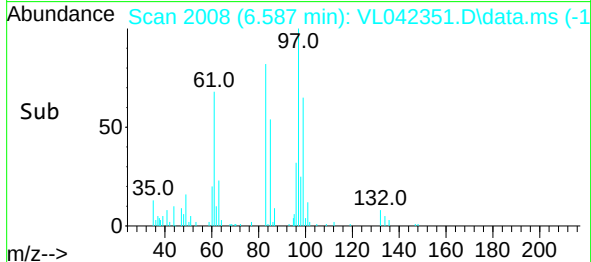
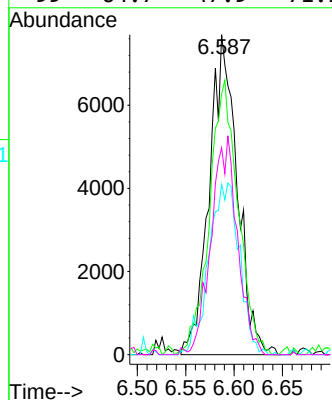
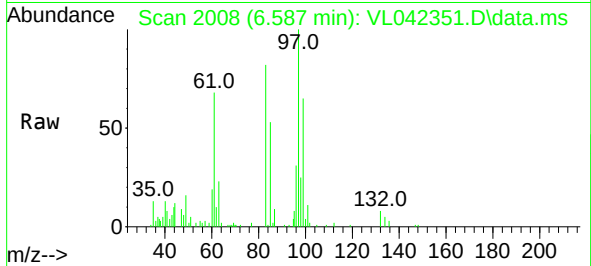
#47
1,1,2-Trichloroethane
Concen: 1.048 ppbv m
RT: 6.587 min Scan# 2006
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.5	72.8	109.2
85	53.2	44.2	66.4
99	64.7	47.9	71.9

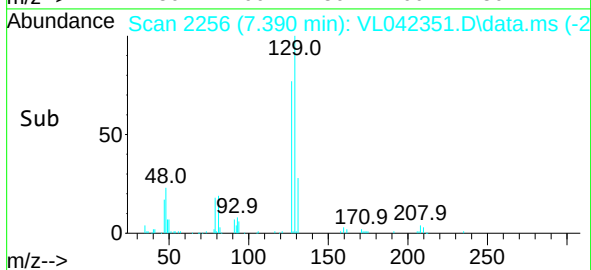
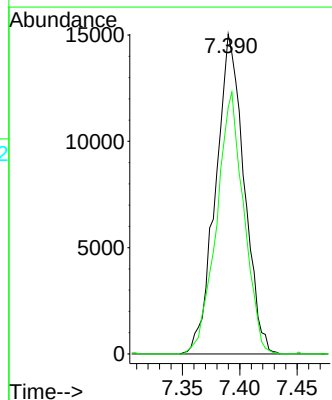
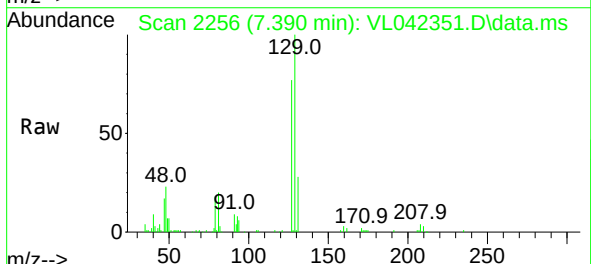
Manual Integrations
APPROVED

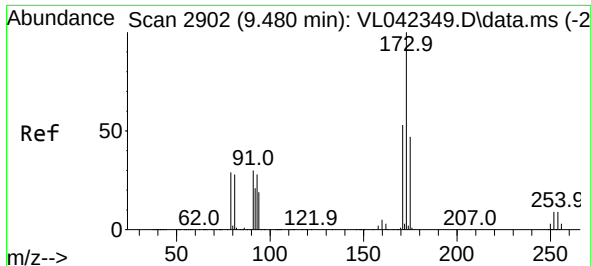
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#48
Dibromochloromethane
Concen: 0.997 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

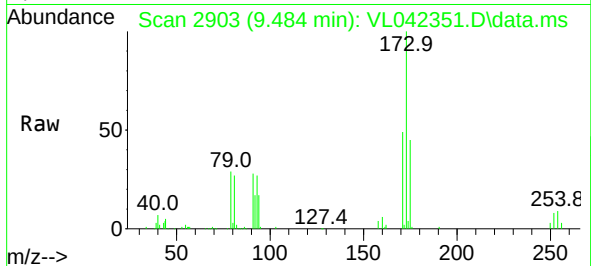
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3





#49
Bromoform
Concen: 0.984 ppbv
RT: 9.484 min Scan# 2902
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

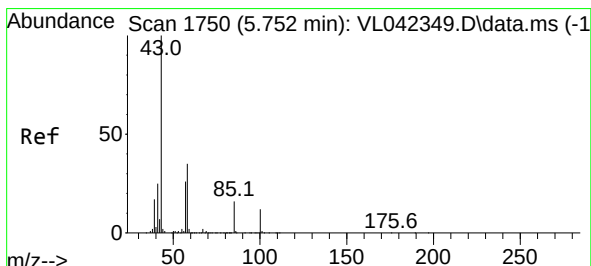
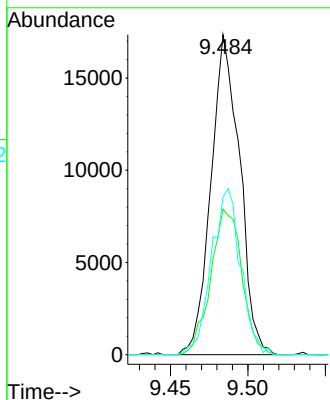
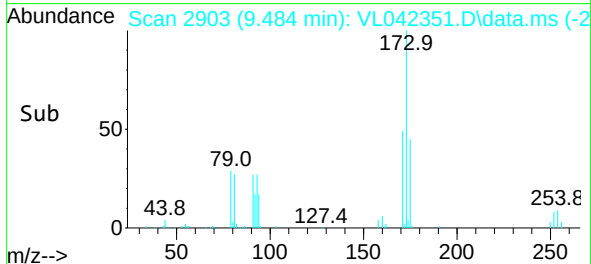
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 173 Resp: 2241
Ion Ratio Lower Upper
173 100
175 49.3 38.2 57.2
171 52.7 40.9 61.3

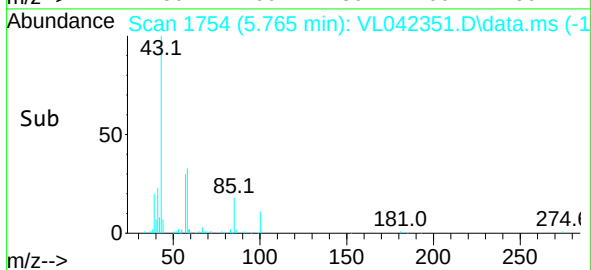
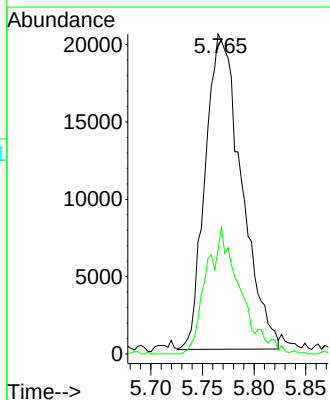
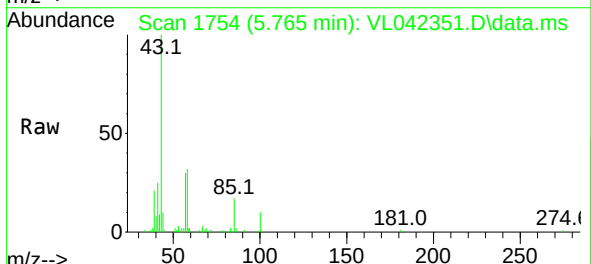
Manual Integrations
APPROVED

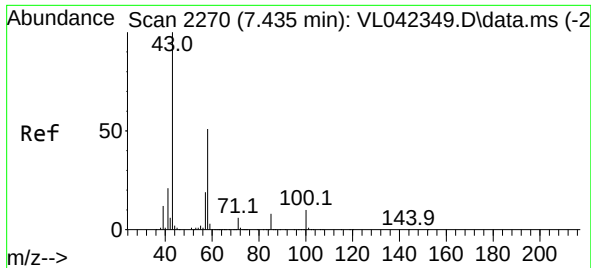
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#50
4-Methyl-2-Pentanone
Concen: 1.049 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.013 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 49725
Ion Ratio Lower Upper
43 100
58 37.7 28.6 43.0





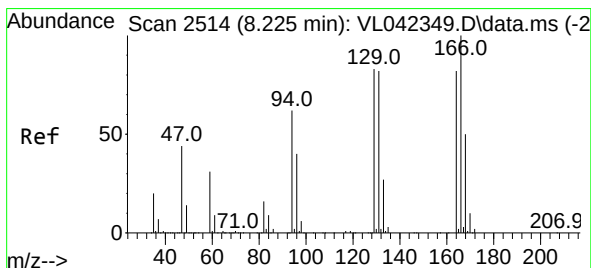
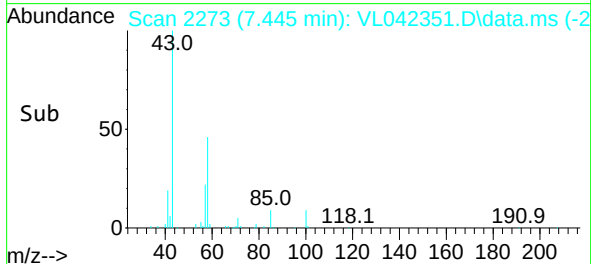
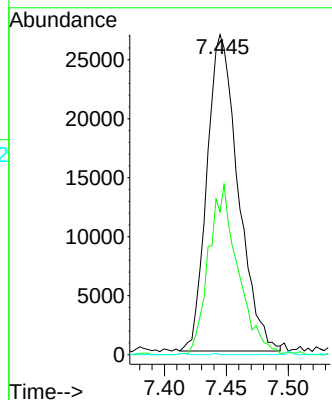
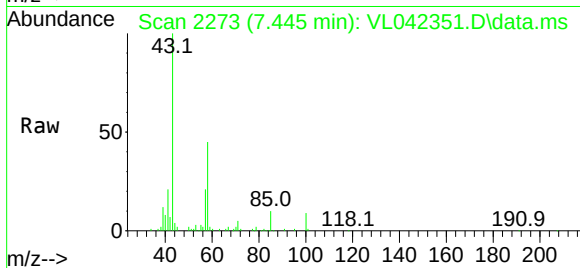
#51
2-Hexanone
Concen: 1.103 ppbv
RT: 7.445 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 47178
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.4
98 0.1 0.1 0.1

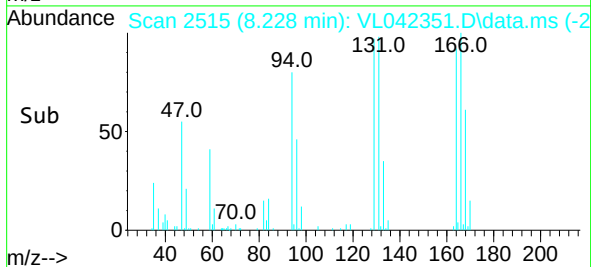
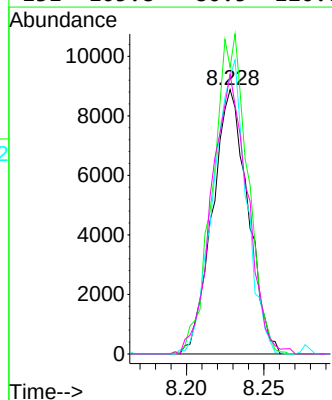
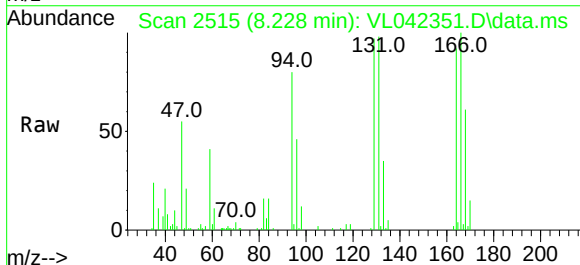
Manual Integrations
APPROVED

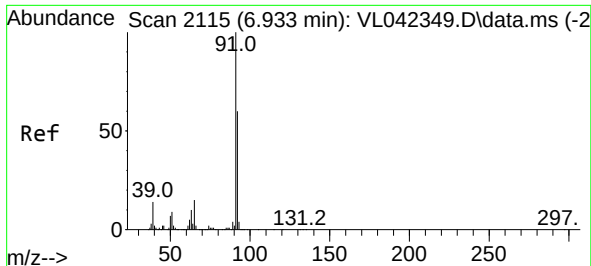
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 0.943 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:164 Resp: 14154
Ion Ratio Lower Upper
164 100
166 107.7 98.2 147.2
129 104.2 81.8 122.8
131 105.8 80.5 120.7





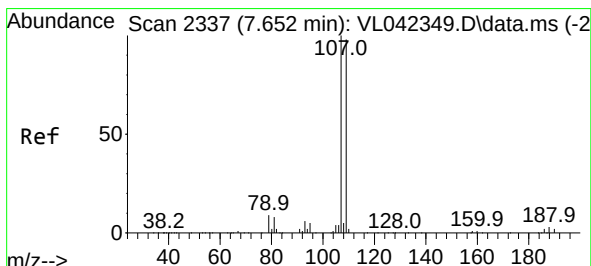
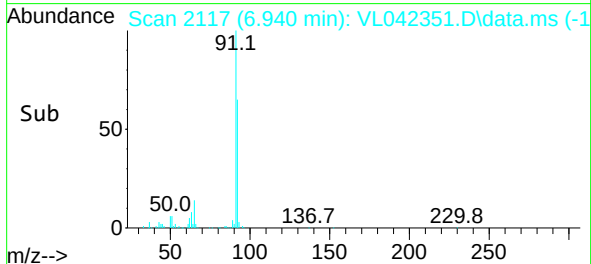
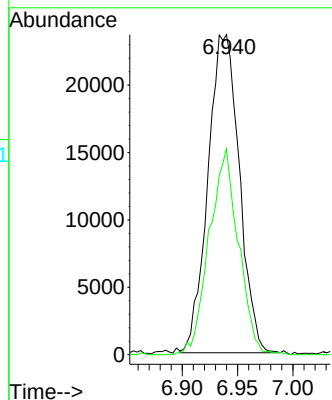
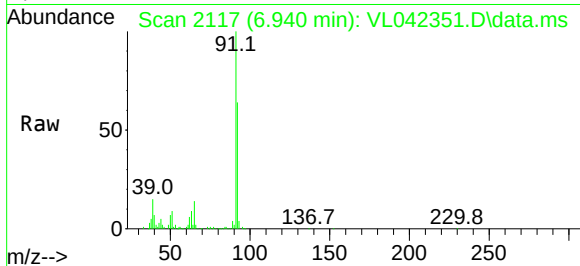
#53
Toluene
Concen: 1.001 ppbv
RT: 6.940 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 4661
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4

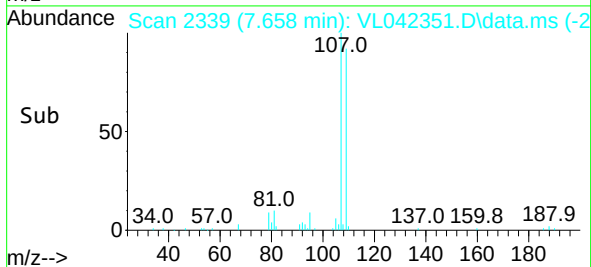
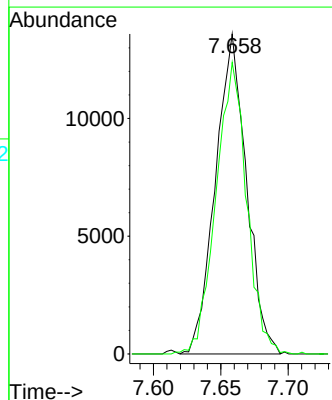
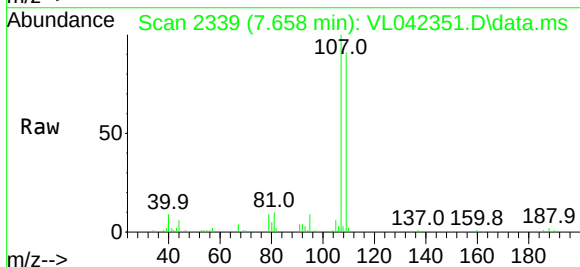
Manual Integrations
APPROVED

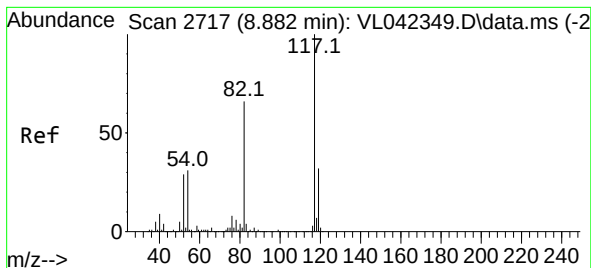
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#54
1,2-Dibromoethane
Concen: 1.036 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:107 Resp: 21780
Ion Ratio Lower Upper
107 100
109 90.7 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2717

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 329090

Ion Ratio Lower Upper

117 100

82 69.7 57.8 86.6

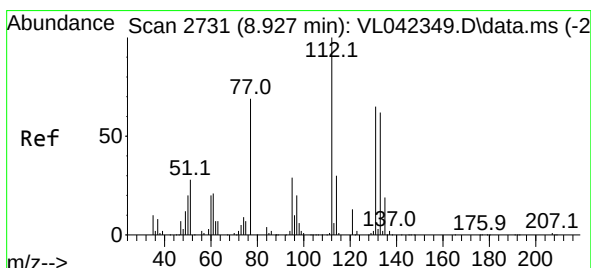
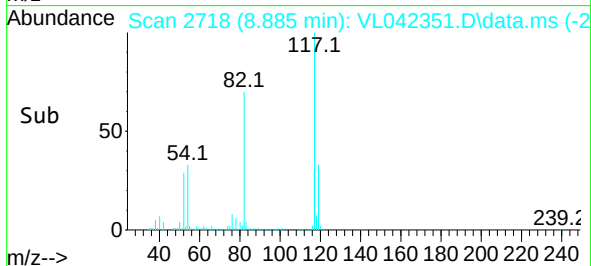
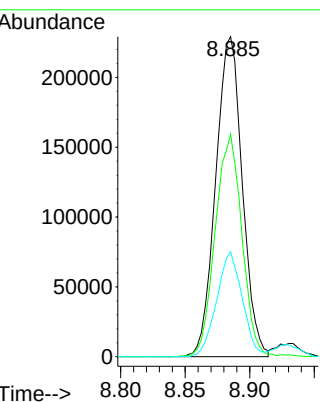
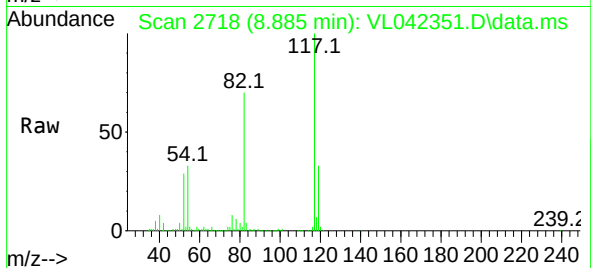
119 31.8 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 1.057 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

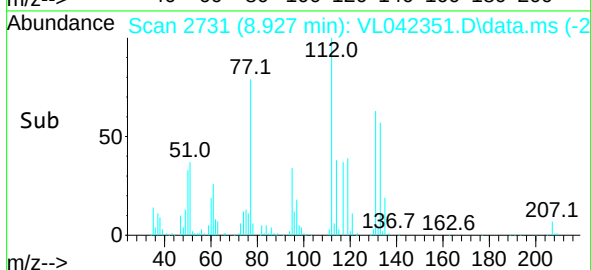
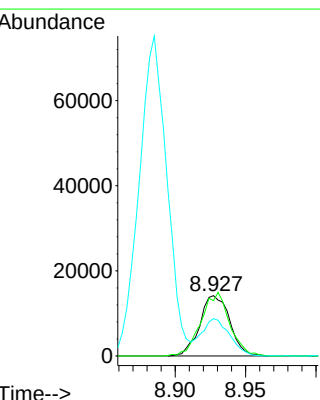
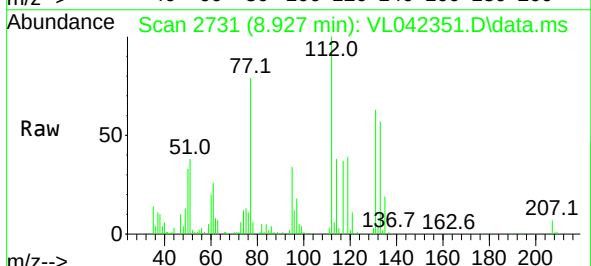
Tgt Ion:131 Resp: 21052

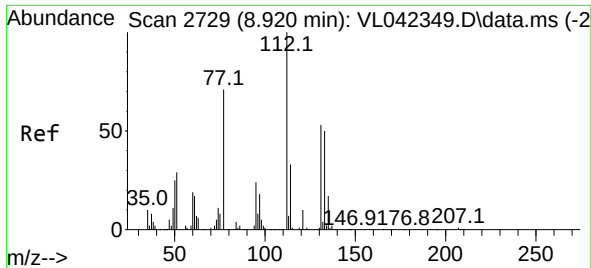
Ion Ratio Lower Upper

131 100

133 100.5 78.3 117.5

119 55.1 48.7 73.1





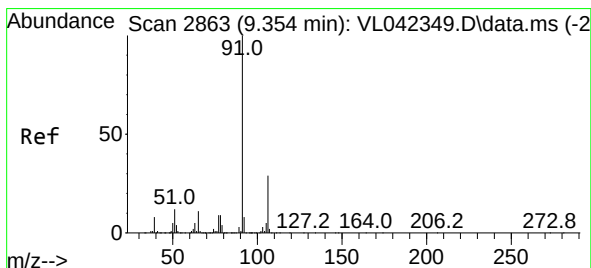
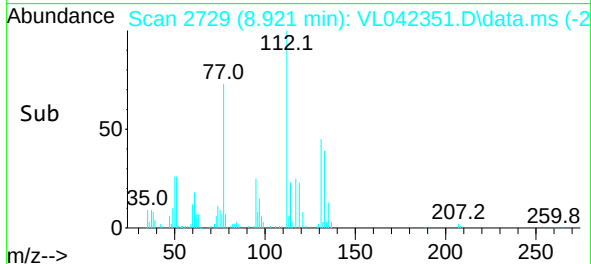
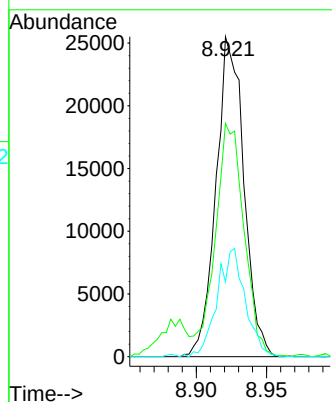
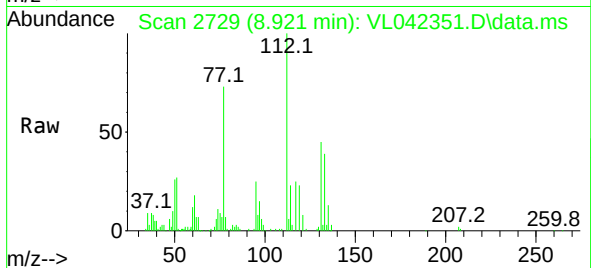
#57
Chlorobenzene
Concen: 1.026 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3511
Ion Ratio Lower Upper
112 100
77 72.4 57.8 86.6
114 23.3 29.3 35.9

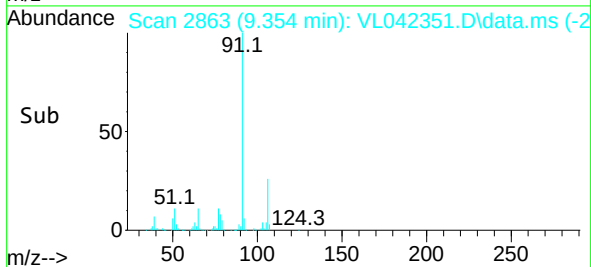
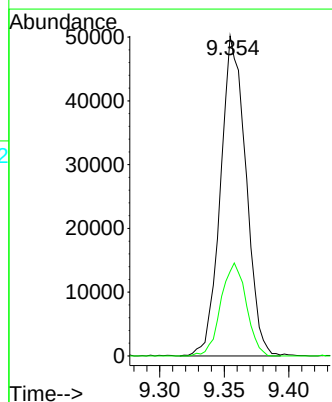
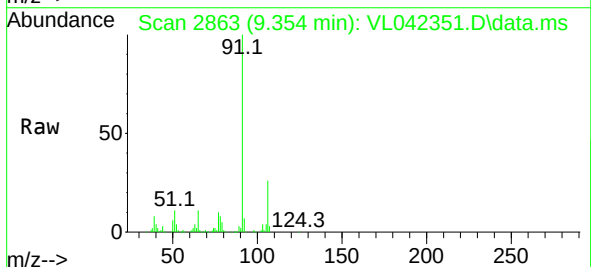
Manual Integrations
APPROVED

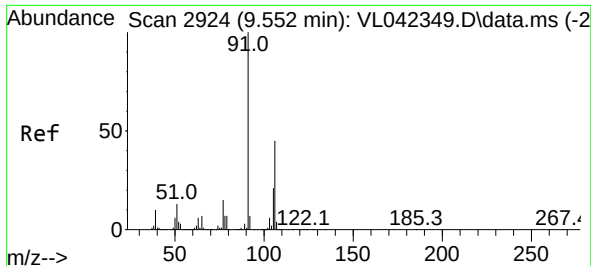
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 1.054 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 68703
Ion Ratio Lower Upper
91 100
106 26.5 23.0 34.4





#59

m/p-Xylene

Concen: 2.101 ppbv m

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 11070

Ion Ratio Lower Upper

91 100

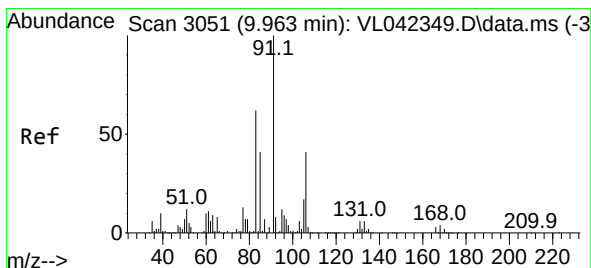
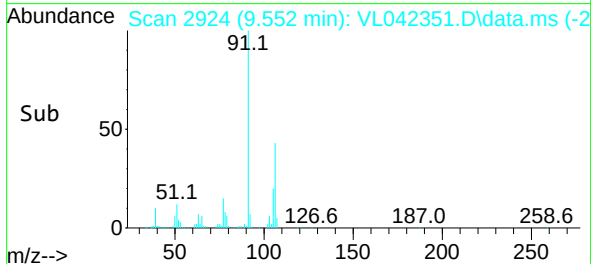
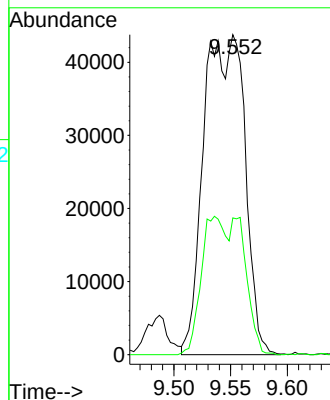
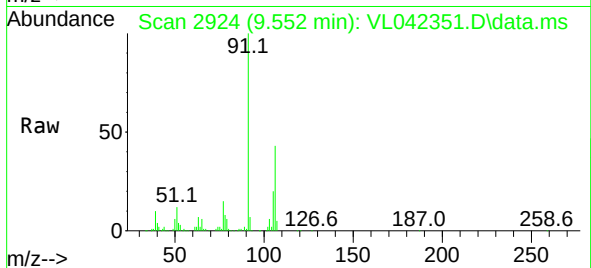
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 1.056 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042351.D

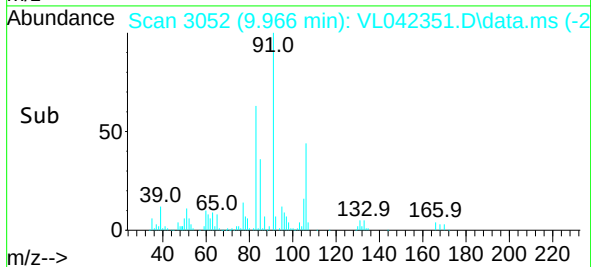
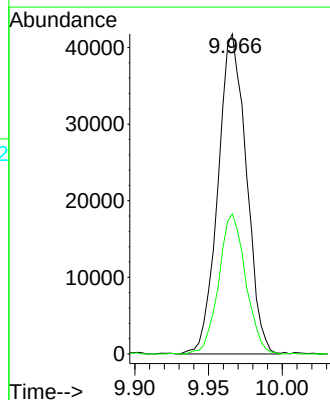
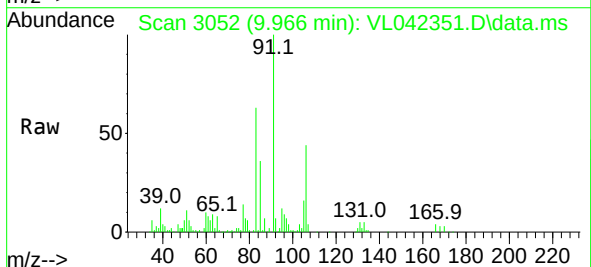
Acq: 17 Apr 2025 10:48

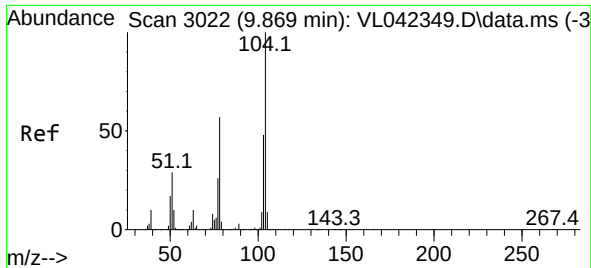
Tgt Ion: 91 Resp: 55831

Ion Ratio Lower Upper

91 100

106 41.6 21.1 63.4





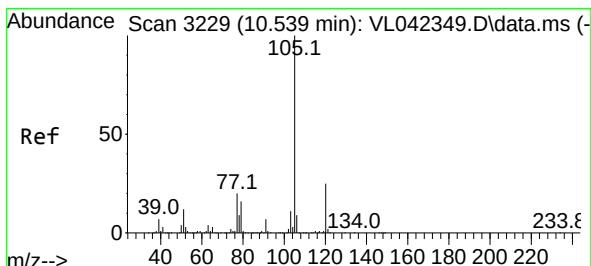
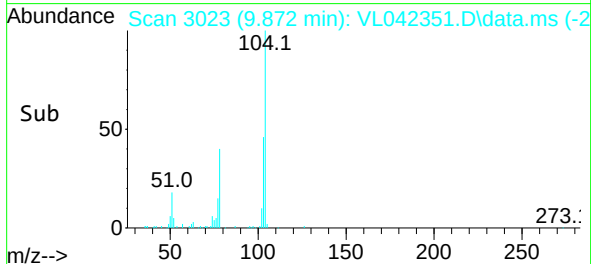
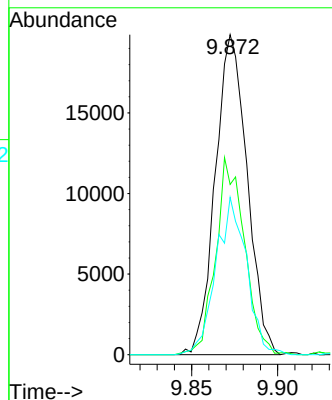
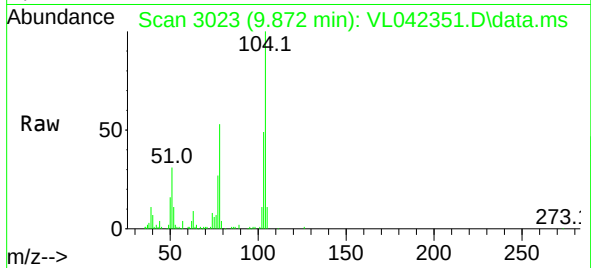
#61
Styrene
Concen: 1.012 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 25544
Ion Ratio Lower Upper
104 100
78 55.7 44.6 66.8
103 47.2 37.4 56.0

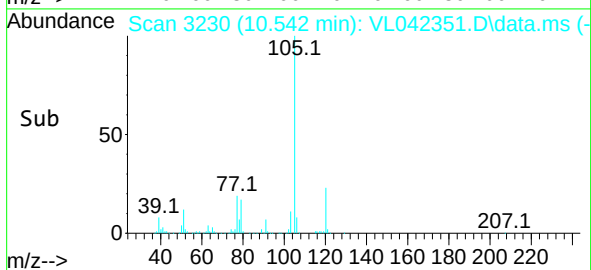
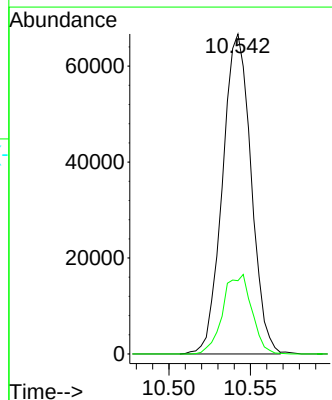
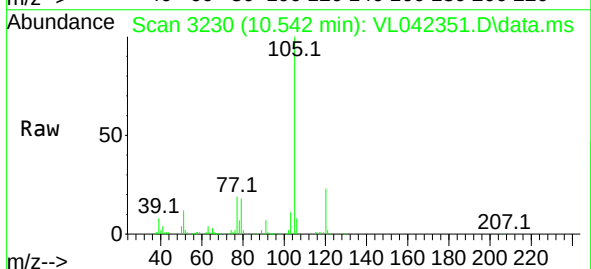
Manual Integrations
APPROVED

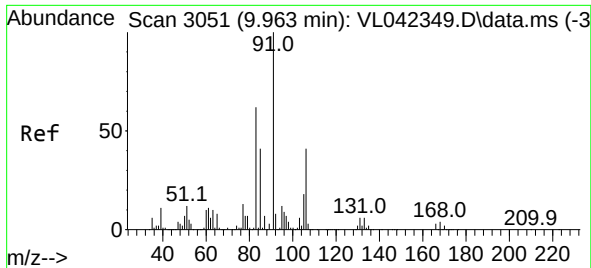
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 1.047 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

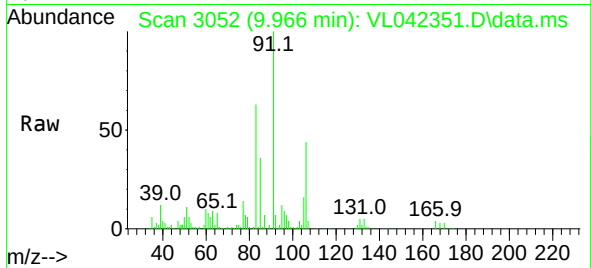
Tgt Ion:105 Resp: 81286
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.943 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

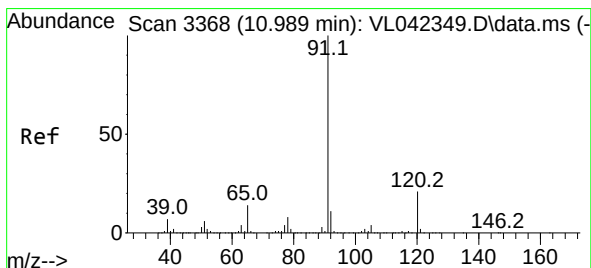
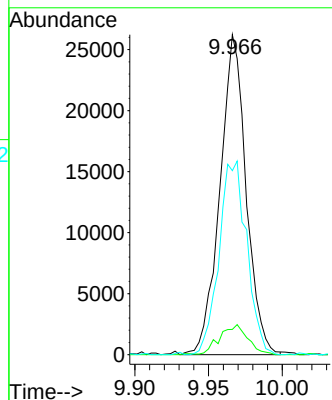
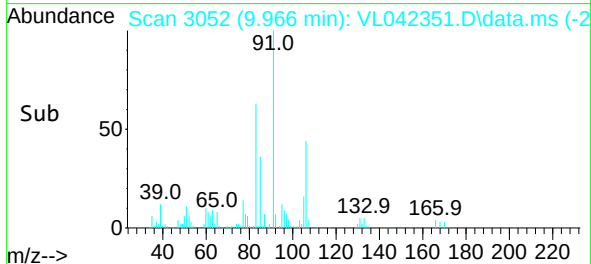
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 83 Resp: 32410
Ion Ratio Lower Upper
83 100
131 10.2 4.5 13.7
85 64.4 32.4 97.0

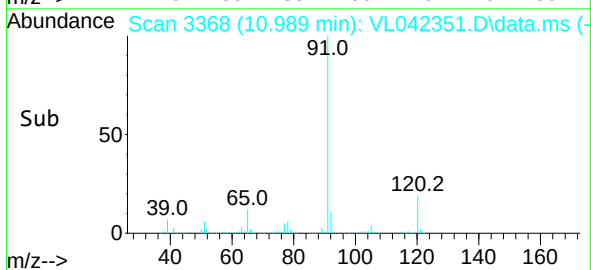
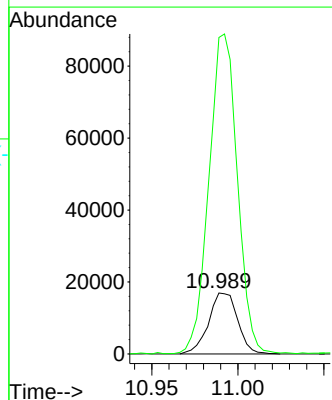
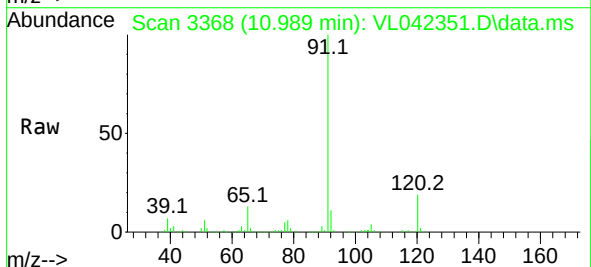
Manual Integrations
APPROVED

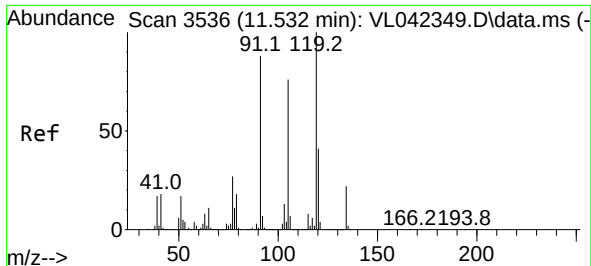
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#64
n-propylbenzene
Concen: 1.019 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

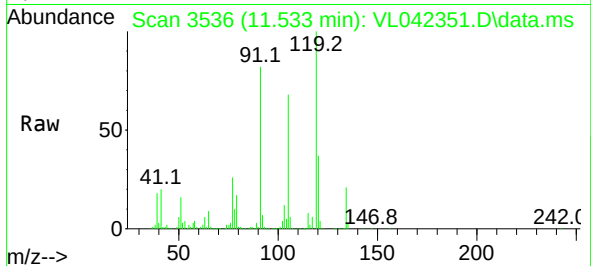
Tgt Ion:120 Resp: 19898
Ion Ratio Lower Upper
120 100
91 517.6 392.4 588.6





#65
tert-Butylbenzene
Concen: 1.087 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

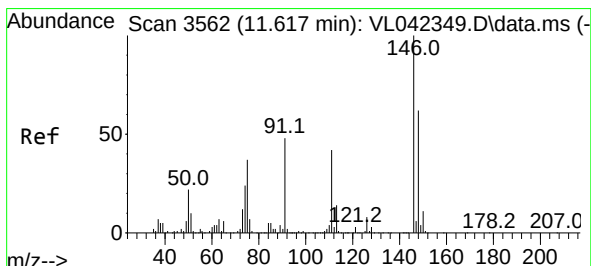
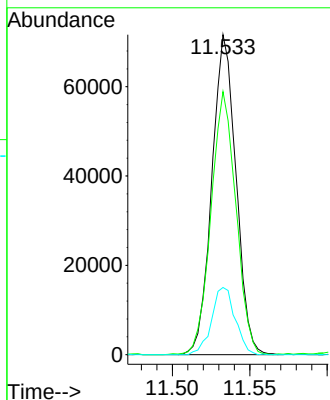
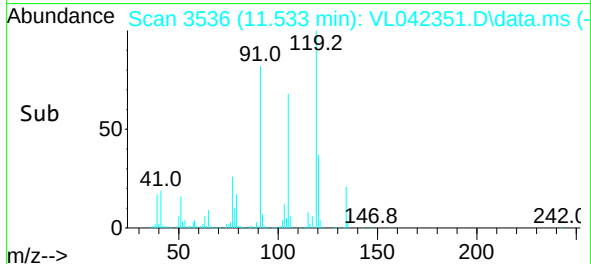
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



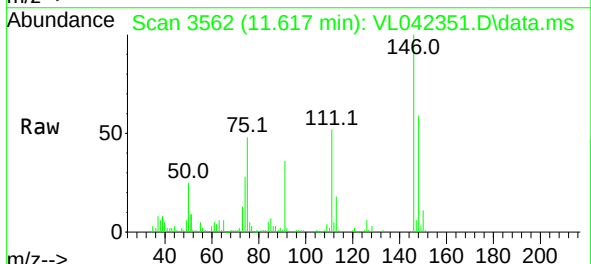
Tgt Ion: 119 Resp: 77598
Ion Ratio Lower Upper
119 100
91 85.0 74.6 111.8
134 20.5 18.8 28.2

Manual Integrations
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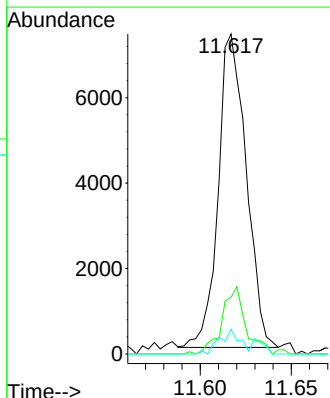
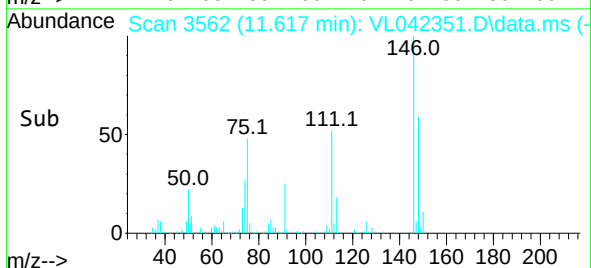
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

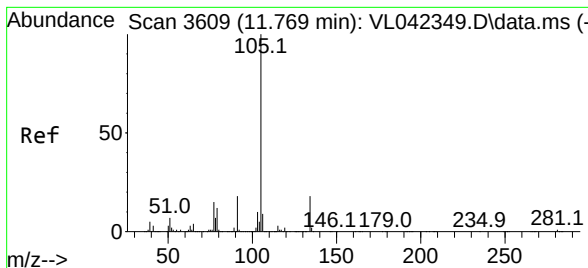


#66
Benzyl Chloride
Concen: 1.003 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



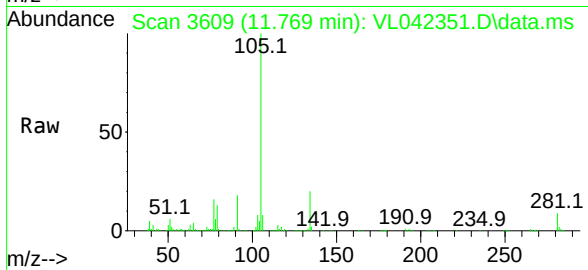
Tgt Ion: 91 Resp: 7864
Ion Ratio Lower Upper
91 100
126 18.6 11.8 17.6#
128 7.7 4.5 6.7#





#67
 sec-Butylbenzene
 Concen: 1.067 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

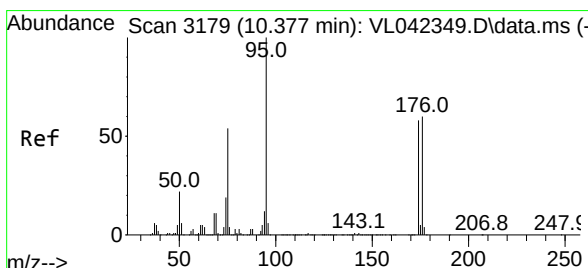
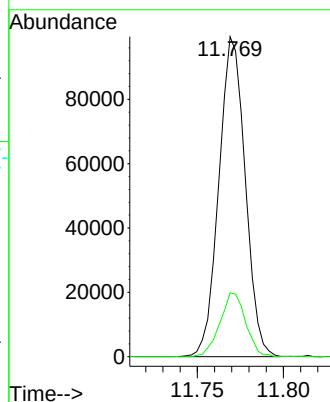
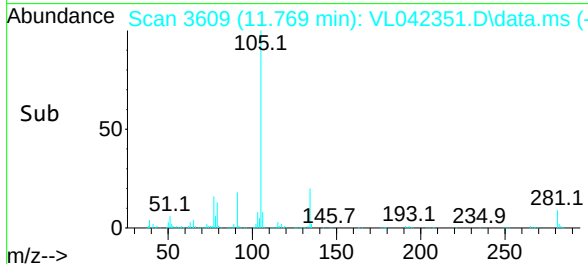
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 105919
 Ion Ratio Lower Upper
 105 100
 134 19.6 14.6 21.8

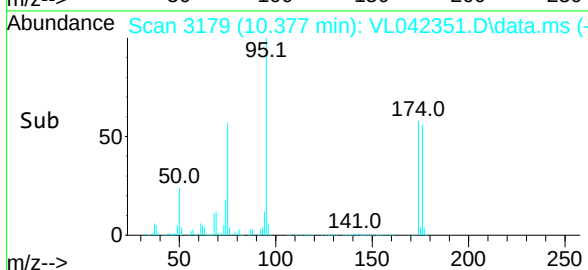
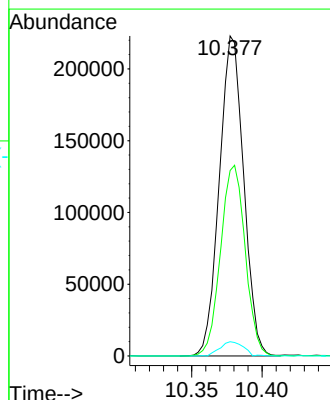
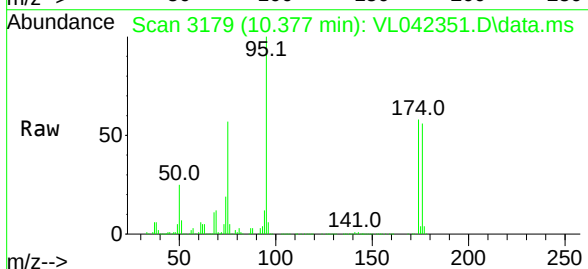
Manual Integrations APPROVED

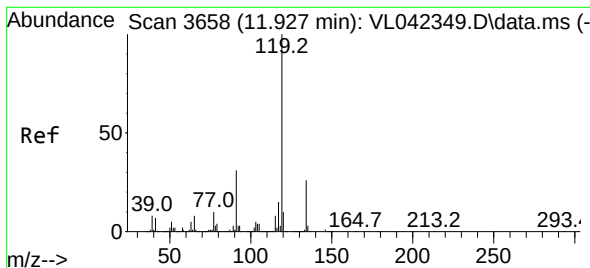
Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.950 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

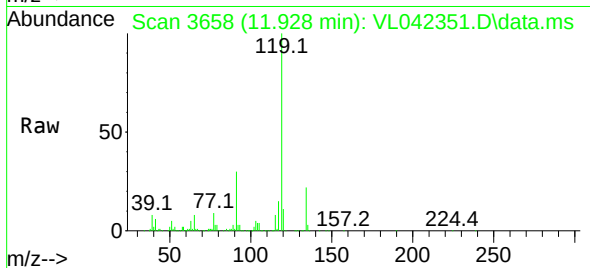
Tgt Ion: 95 Resp: 269087
 Ion Ratio Lower Upper
 95 100
 174 60.4 48.5 72.7
 175 4.3 3.7 5.5





#69
p-Isopropyltoluene
Concen: 1.075 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

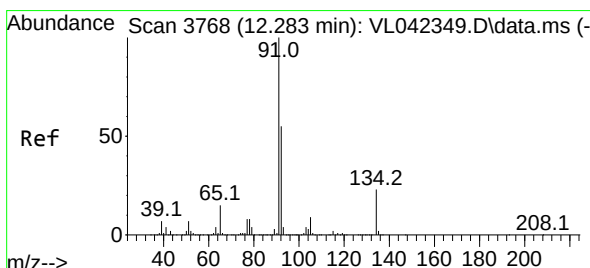
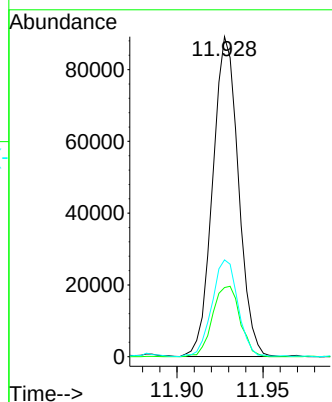
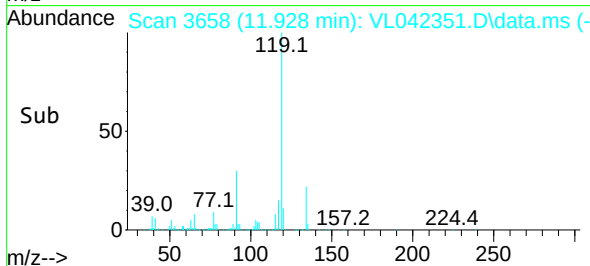
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



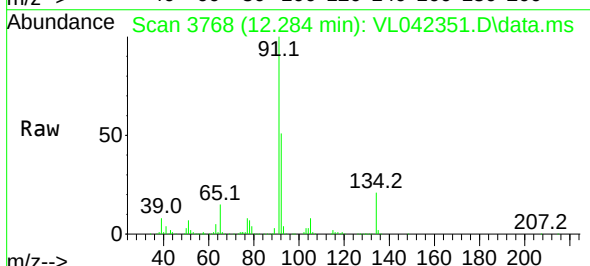
Tgt Ion: 119 Resp: 92733
Ion Ratio Lower Upper
119 100
134 23.5 20.0 30.0
91 32.1 24.4 36.6

Manual Integrations
APPROVED

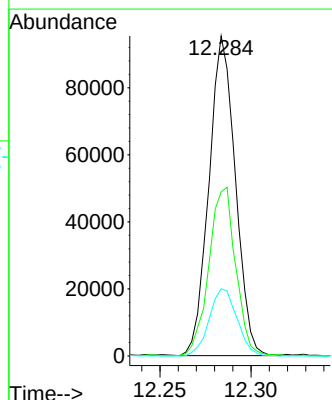
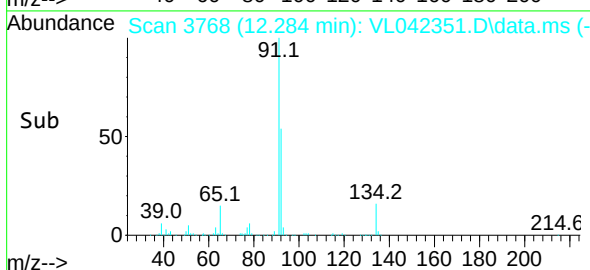
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

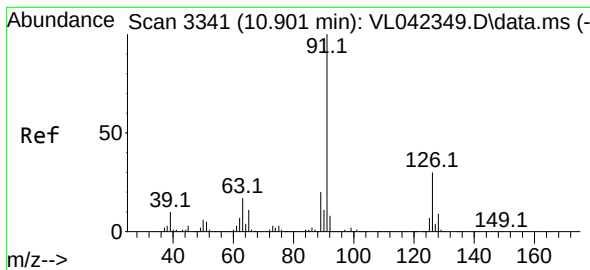


#70
n-Butylbenzene
Concen: 1.072 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 91 Resp: 96306
Ion Ratio Lower Upper
91 100
92 54.2 44.2 66.4
134 22.1 18.2 27.4





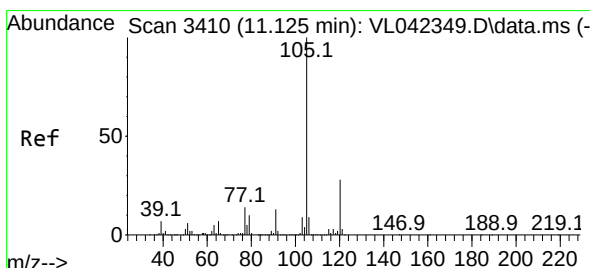
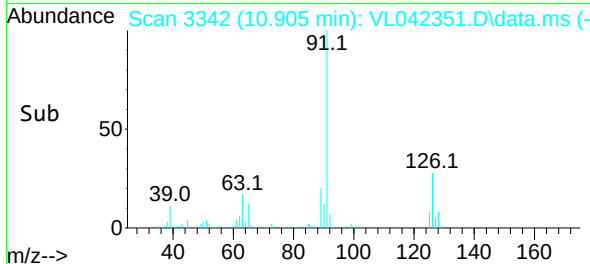
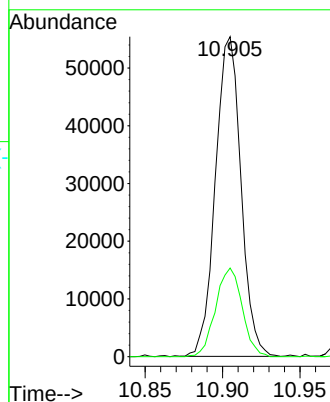
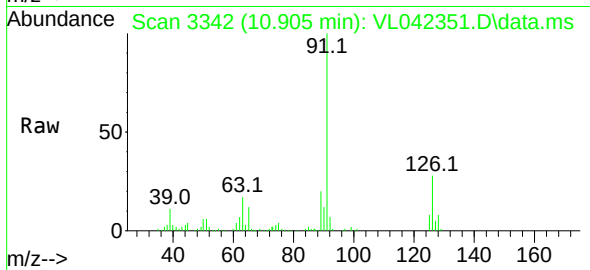
#71
2-Chlorotoluene
Concen: 1.040 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6332
Ion Ratio Lower Upper
91 100
126 28.9 11.4 45.4

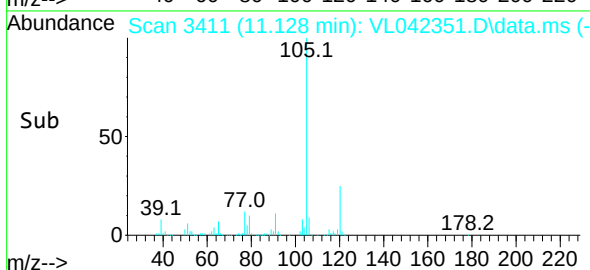
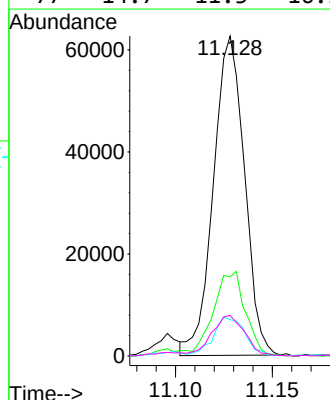
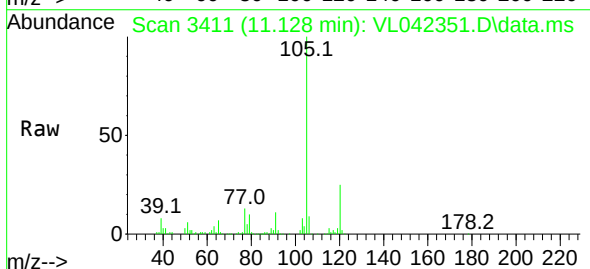
Manual Integrations
APPROVED

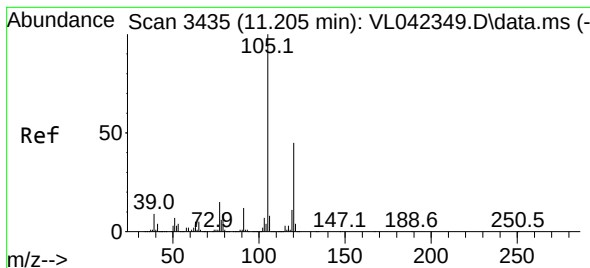
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 1.078 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 69698
Ion Ratio Lower Upper
105 100
120 29.2 23.2 34.8
91 13.5 10.4 15.6
77 14.7 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 1.067 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 6092

Ion Ratio Lower Upper

105 100

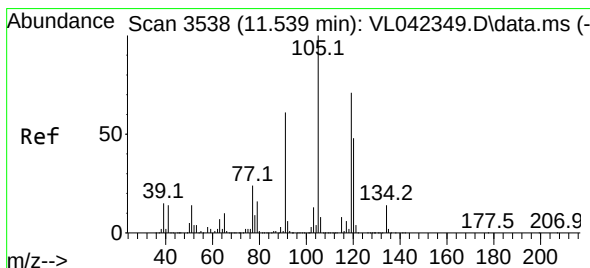
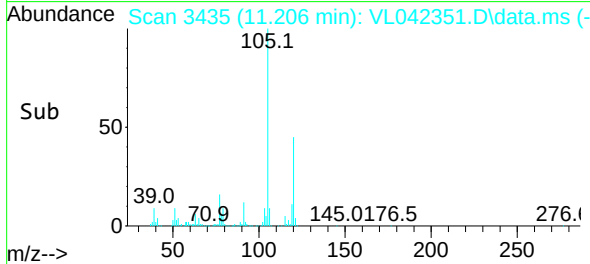
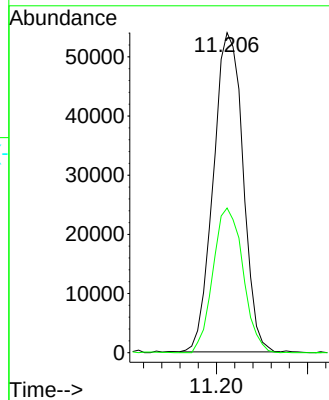
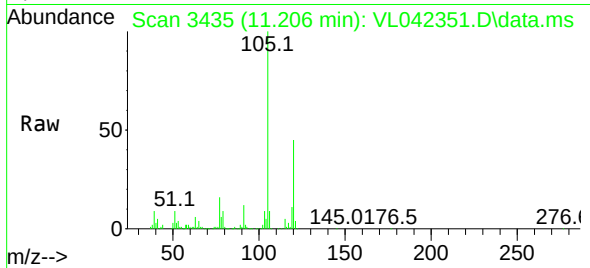
120 45.3 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.108 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 73888

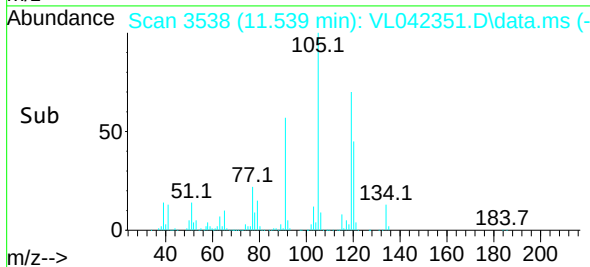
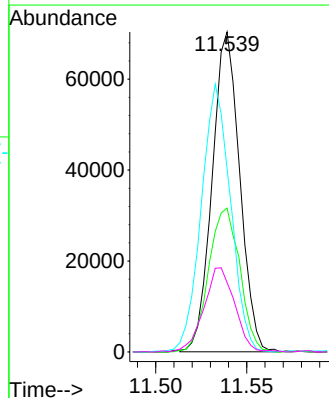
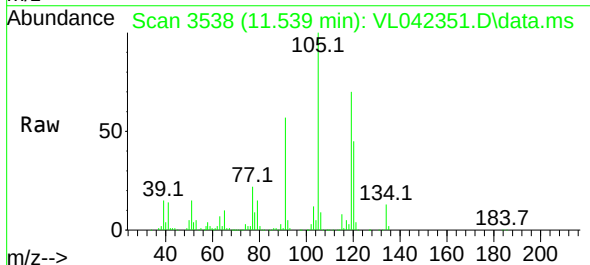
Ion Ratio Lower Upper

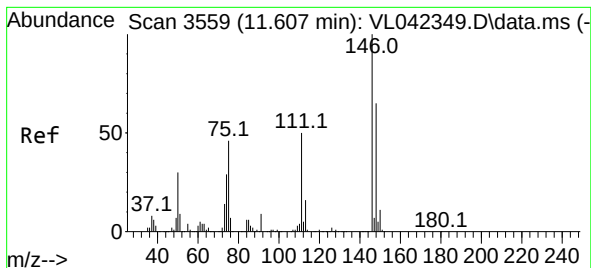
105 100

120 45.0 38.1 57.1

91 57.0 48.8 73.2

77 21.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 1.064 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

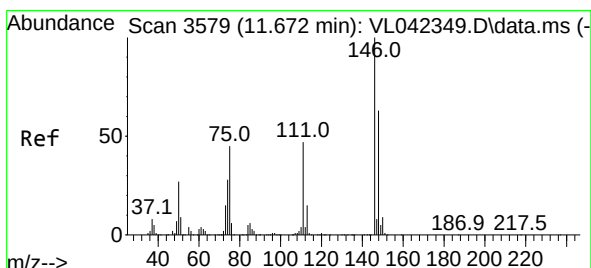
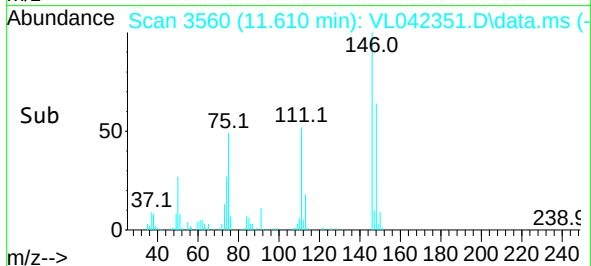
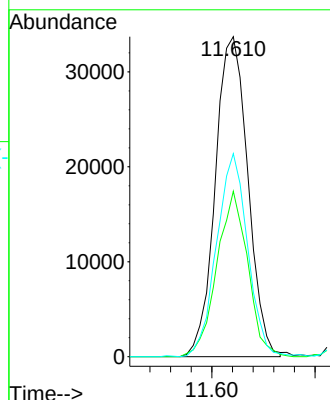
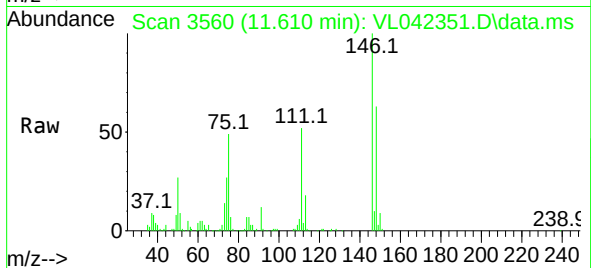
VSTDICC001

Tgt Ion:146	Resp:	3687
Ion Ratio	Lower	Upper
146	100	
111	48.9	24.3 72.8
148	60.8	31.6 94.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 1.053 ppbv

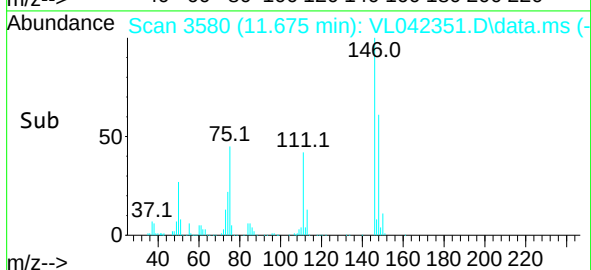
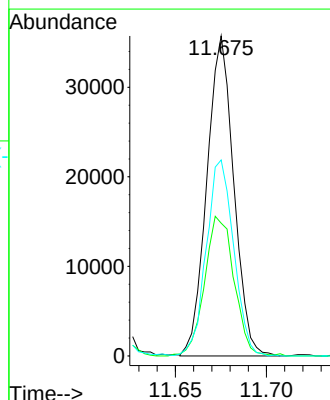
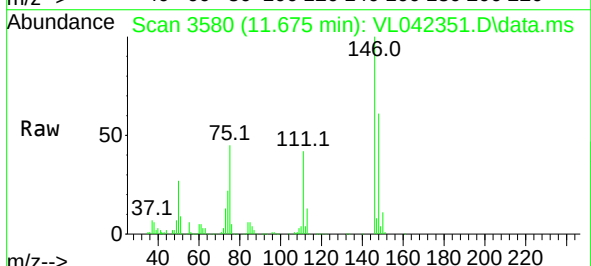
RT: 11.675 min Scan# 3580

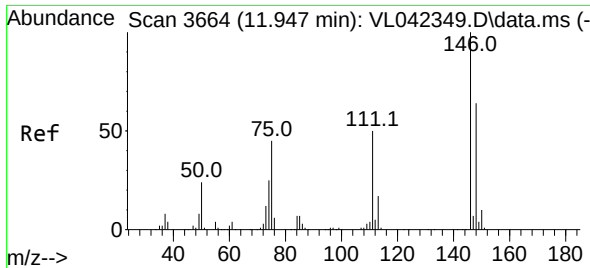
Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

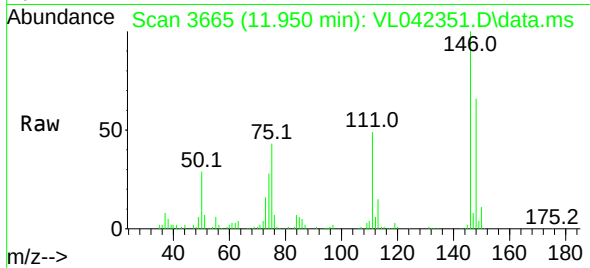
Tgt Ion:146	Resp:	36692
Ion Ratio	Lower	Upper
146	100	
111	47.7	24.2 72.6
148	62.3	32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

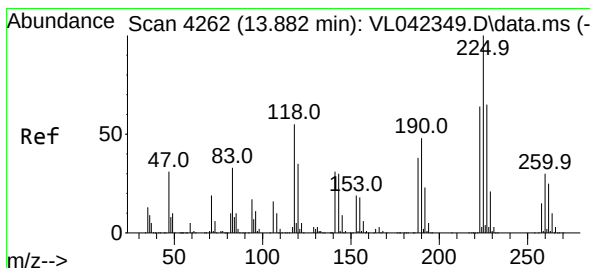
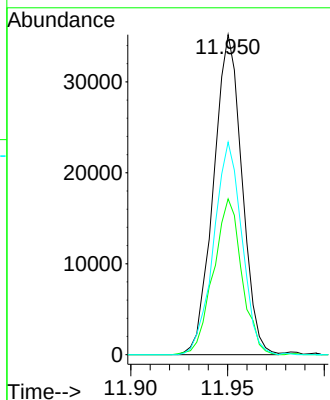
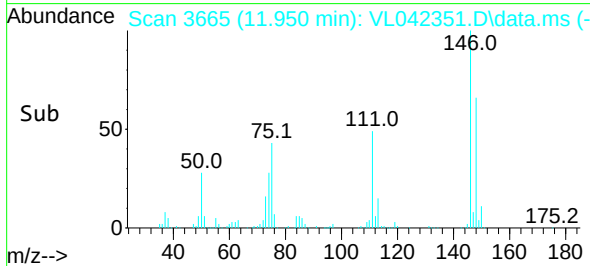
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



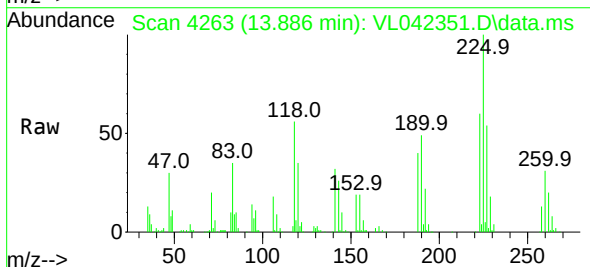
Tgt Ion:146 Resp: 3597
Ion Ratio Lower Upper
146 100
111 48.7 25.3 75.9
148 65.9 31.5 94.5

Manual Integrations
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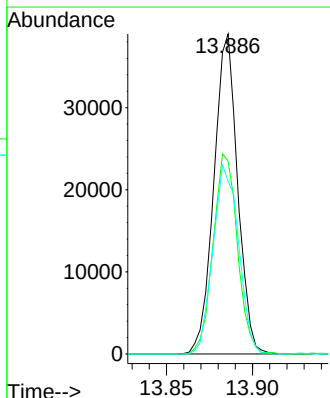
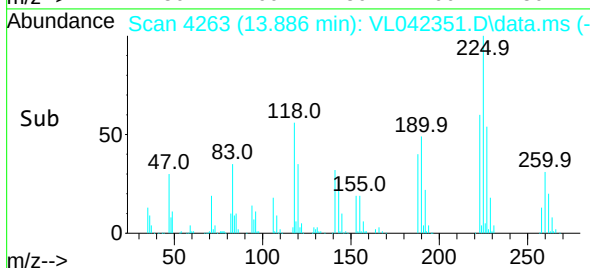
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

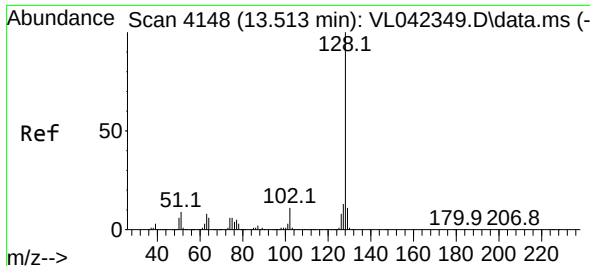


#78
Hexachloro-1,3-Butadiene
Concen: 1.098 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion:225 Resp: 37377
Ion Ratio Lower Upper
225 100
223 64.1 50.3 75.5
227 63.6 51.5 77.3





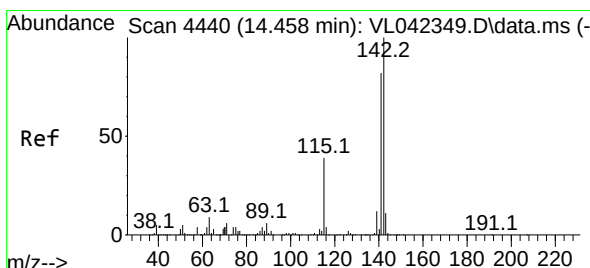
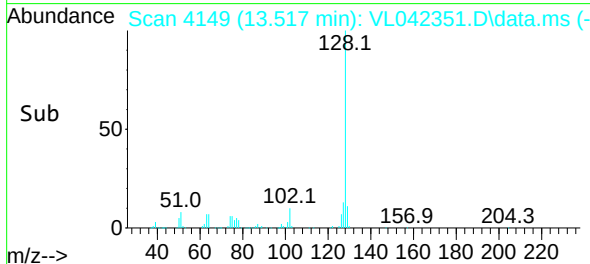
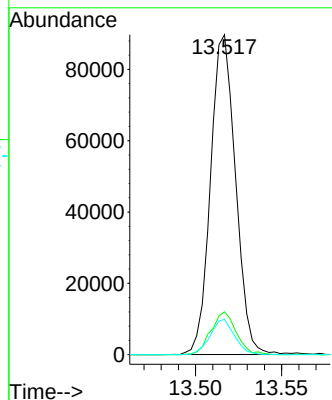
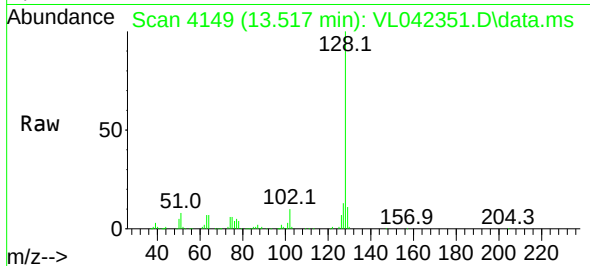
#79
Naphthalene
Concen: 1.138 ppbv
RT: 13.517 min Scan# 4148
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 90710
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.1 8.6 12.8

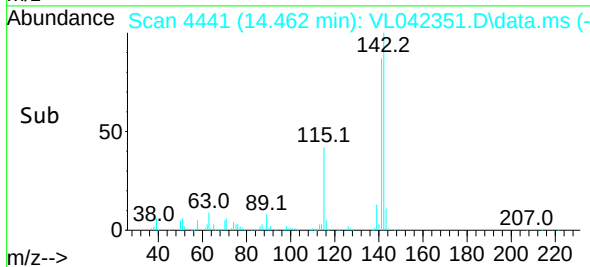
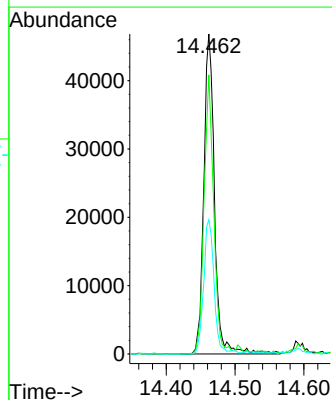
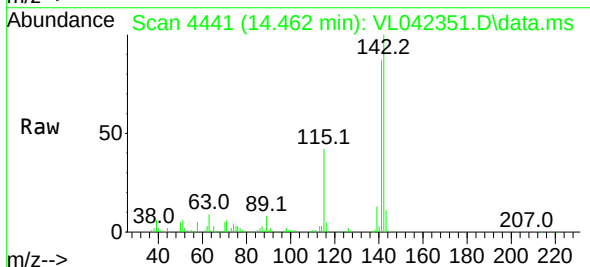
Manual Integrations
APPROVED

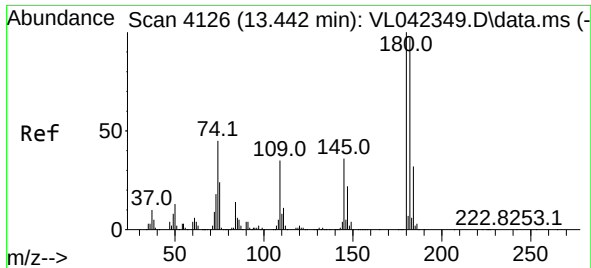
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#80
Naphthalene,2-methyl-
Concen: 1.111 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:142 Resp: 50487
Ion Ratio Lower Upper
142 100
141 80.9 66.8 100.2
115 41.2 33.4 50.2





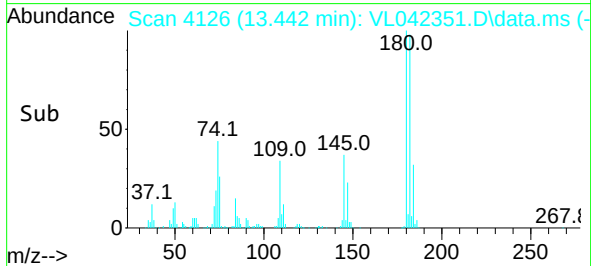
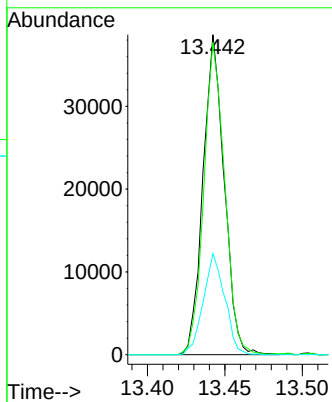
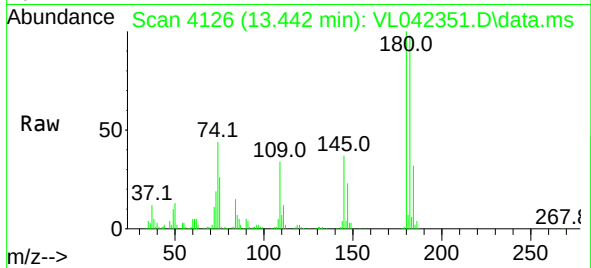
#81
 1,2,4-Trichlorobenzene
 Concen: 1.074 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
184	32.0	24.6	36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042352.D
 Acq On : 17 Apr 2025 11:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:28:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	120542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	353137	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	321644	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 265161 10.032 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	11036	0.518	ppbv	92
3) Chlorodifluoromethane	1.476	51	11304	0.557	ppbv #	84
4) Chloromethane	1.531	50	4534	0.538	ppbv	97
5) Vinyl Chloride	1.580	62	4406	0.480	ppbv	97
6) Bromomethane	1.667	94	2394	0.602	ppbv	95
7) Chloroethane	1.703	64	1824	0.550	ppbv #	87
8) Dichlorotetrafluoroethane	1.554	85	9381	0.513	ppbv	99
9) Propene	1.483	41	5303	0.574	ppbv	93
10) Heptane	4.978	43	14728m	0.593	ppbv	
11) Trichlorofluoromethane	1.877	101	10150	0.501	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	8371	0.506	ppbv	93
13) Ethanol	1.719	45	1656m	2.194	ppbv	
14) Bromoethene	1.780	108	3238	0.519	ppbv #	93
15) Acetone	1.835	43	11859	0.601	ppbv #	74
16) 1,3-Butadiene	1.609	39	6120	0.660	ppbv #	82
17) tert-Butyl alcohol	2.043	59	13640	0.558	ppbv #	85
18) 1,1-Dichloroethene	2.033	96	4430	0.556	ppbv #	87
19) Isopropyl Alcohol	1.884	45	6327	0.577	ppbv #	39
20) Methylene Chloride	2.059	84	5273	0.682	ppbv	93
21) Allyl Chloride	2.094	41	7692	0.565	ppbv #	81
22) trans-1,2-Dichloroethene	2.340	96	4908	0.557	ppbv	92
23) Vinyl Acetate	2.460	43	3953	0.495	ppbv #	57
24) 1,1-Dichloroethane	2.408	63	8753	0.523	ppbv #	94
25) Ethyl Acetate	2.835	43	26686	0.548	ppbv #	93
26) Hexane	2.823	57	11448	0.581	ppbv	91
27) Carbon Disulfide	2.149	76	11472	0.544	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	6833	0.530	ppbv #	32
29) Chloroform	2.848	83	14815	0.532	ppbv	93
30) Cyclohexane	3.852	84	8572	0.541	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	9571	0.511	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	15413	0.516	ppbv	97
34) 2-Butanone	2.560	43	15640	0.560	ppbv	97
35) Carbon Tetrachloride	3.761	117	14683	0.459	ppbv	87
36) Benzene	3.651	78	20233	0.531	ppbv	97
37) 1,2-Dichloroethane	3.217	62	12194	0.533	ppbv #	95
38) Trichloroethene	4.551	130	7819	0.468	ppbv #	78
39) 1,2-Dichloropropane	4.308	63	7790m	0.548	ppbv	
40) 1,4-Dioxane	4.599	88	4637m	0.603	ppbv	
41) Tetrahydrofuran	3.062	42	9144m	0.567	ppbv	
42) Bromodichloromethane	4.489	83	16642	0.523	ppbv #	91
43) Methyl Methacrylate	4.881	69	9620m	0.563	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	34170	0.519	ppbv	91
45) t-1,3-Dichloropropene	6.415	75	9073m	0.517	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042352.D
 Acq On : 17 Apr 2025 11:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:28:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

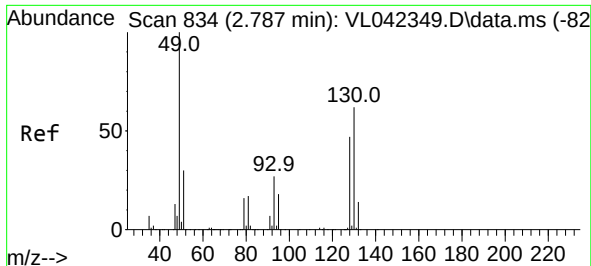
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

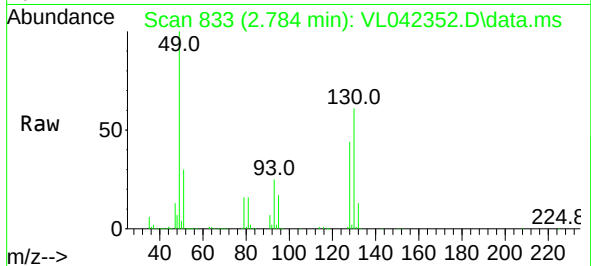
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	10827m	0.505	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	7466m	0.516	ppbv	
48) Dibromochloromethane	7.386	129	13122	0.514	ppbv	97
49) Bromoform	9.477	173	10988	0.492	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	27206m	0.585	ppbv	
51) 2-Hexanone	7.441	43	23684	0.564	ppbv	98
52) Tetrachloroethene	8.221	164	7412	0.503	ppbv #	88
53) Toluene	6.927	91	24200	0.529	ppbv	97
54) 1,2-Dibromoethane	7.645	107	10282	0.499	ppbv	84
56) 1,1,1,2-Tetrachloroethane	8.930	131	9987	0.513	ppbv #	1
57) Chlorobenzene	8.917	112	18149m	0.543	ppbv	
58) Ethyl Benzene	9.351	91	32624	0.512	ppbv	97
59) m/p-Xylene	9.532	91	54197m	1.053	ppbv	
60) o-Xylene	9.963	91	27983	0.541	ppbv	99
61) Styrene	9.869	104	12736	0.516	ppbv	96
62) Isopropylbenzene	10.539	105	40481	0.533	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	15920	0.474	ppbv	99
64) n-propylbenzene	10.985	120	10369	0.544	ppbv	97
65) tert-Butylbenzene	11.529	119	37294	0.535	ppbv	93
66) Benzyl Chloride	11.613	91	3878	0.506	ppbv #	91
67) sec-Butylbenzene	11.765	105	52139	0.537	ppbv	97
69) p-Isopropyltoluene	11.924	119	45574	0.541	ppbv	98
70) n-Butylbenzene	12.280	91	48004	0.547	ppbv	99
71) 2-Chlorotoluene	10.898	91	31709	0.533	ppbv	100
72) 4-Ethyltoluene	11.125	105	33048	0.523	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.202	105	30464	0.546	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	37765	0.579	ppbv #	90
75) 1,3-Dichlorobenzene	11.607	146	18003	0.531	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	18300	0.537	ppbv	96
77) 1,2-Dichlorobenzene	11.947	146	17446	0.530	ppbv	95
78) Hexachloro-1,3-Butadiene	13.879	225	18705	0.562	ppbv	98
79) Naphthalene	13.513	128	38521	0.494	ppbv #	92
80) Naphthalene,2-methyl-	14.458	142	21076	0.475	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	16504	0.493	ppbv	97

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

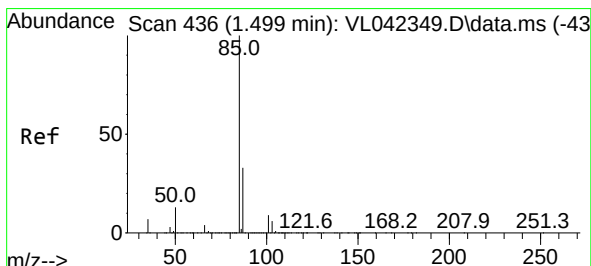
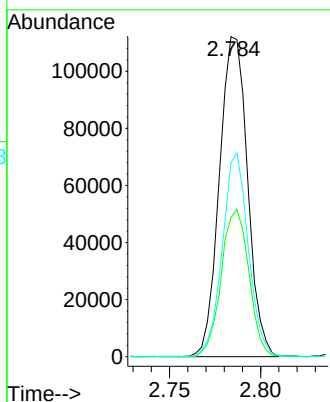
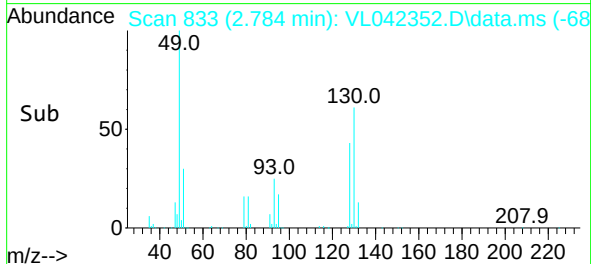
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 49 Resp: 12054
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 59.0 29.3 88.0

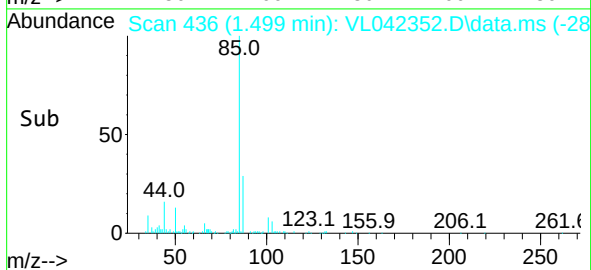
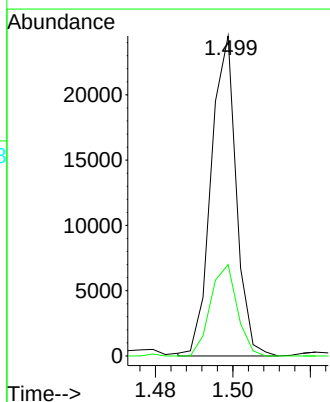
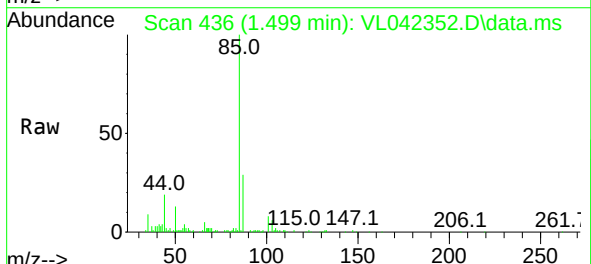
Manual Integrations
APPROVED

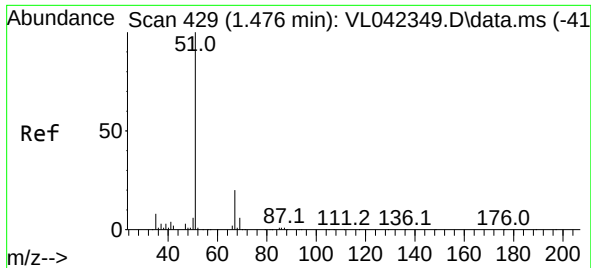
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#2
Dichlorodifluoromethane
Concen: 0.518 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

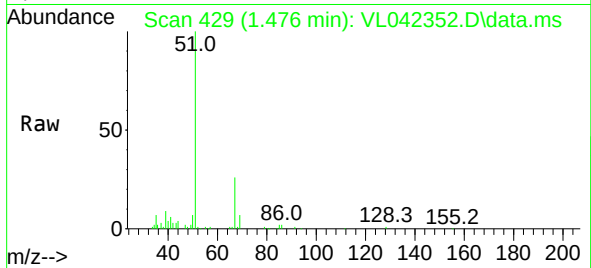
Tgt Ion: 85 Resp: 11036
Ion Ratio Lower Upper
85 100
87 28.6 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

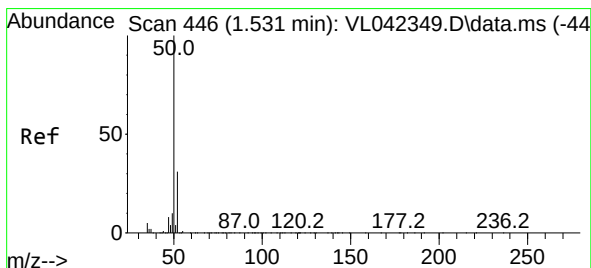
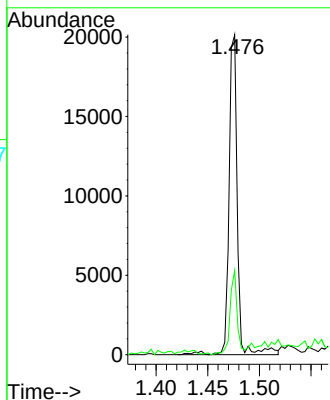
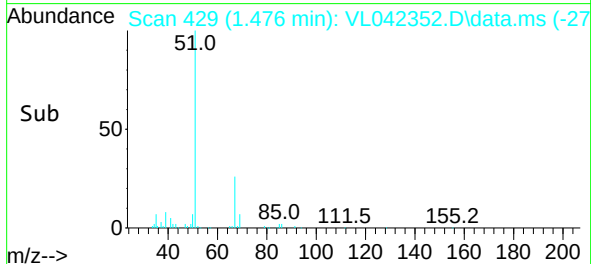
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



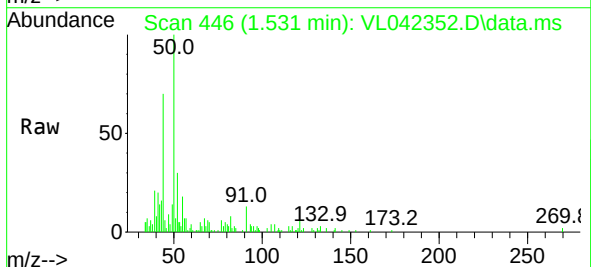
Tgt Ion: 51 Resp: 11304
Ion Ratio Lower Upper
51 100
67 27.8 16.2 24.4

Manual Integrations
APPROVED

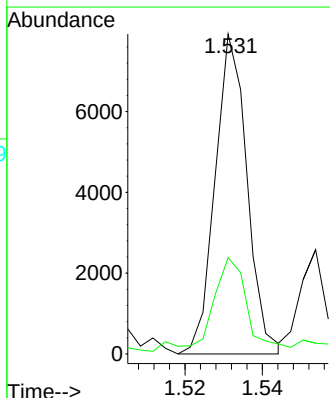
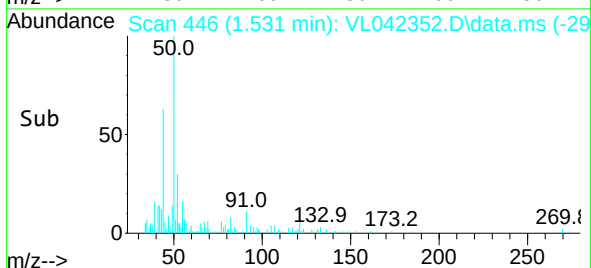
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

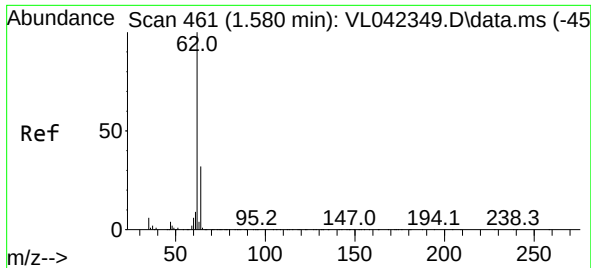


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



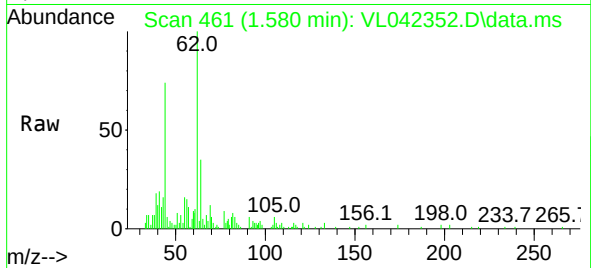
Tgt Ion: 50 Resp: 4534
Ion Ratio Lower Upper
50 100
52 32.8 24.7 37.1





#5
 Vinyl Chloride
 Concen: 0.480 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

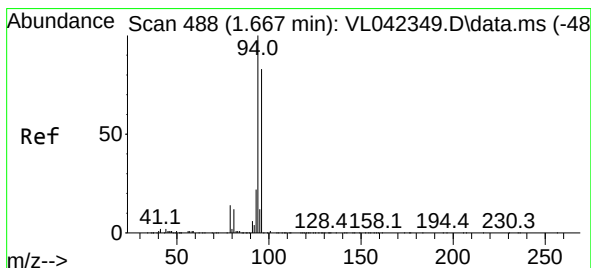
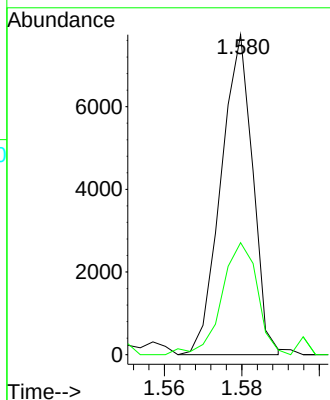
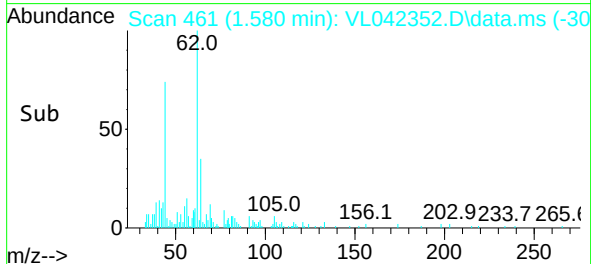
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



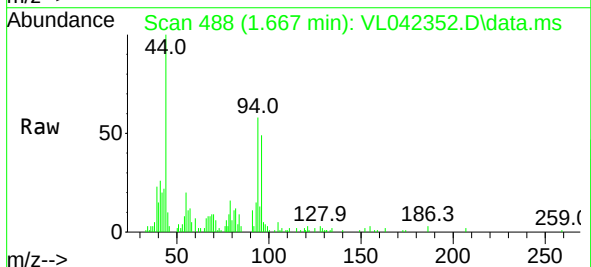
Tgt Ion: 62 Resp: 4400
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.4 38.0

Manual Integrations
 APPROVED

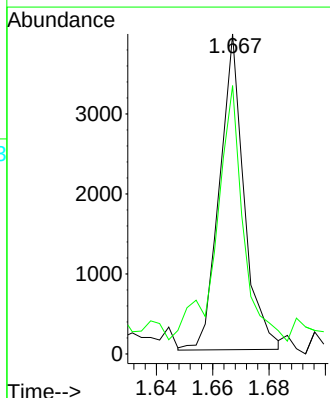
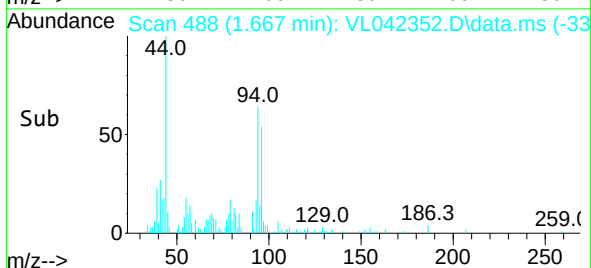
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

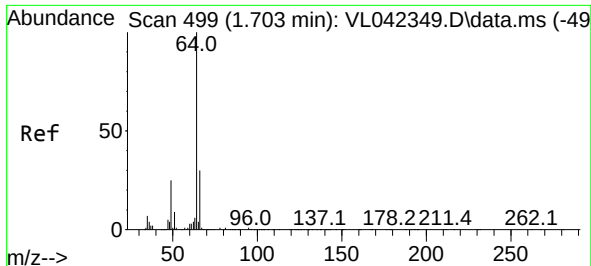


#6
 Bromomethane
 Concen: 0.602 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19



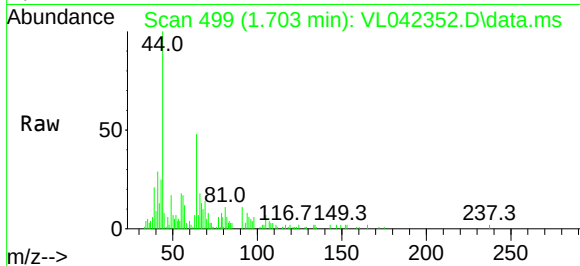
Tgt Ion: 94 Resp: 2394
 Ion Ratio Lower Upper
 94 100
 96 78.1 66.2 99.2





#7
Chloroethane
Concen: 0.550 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

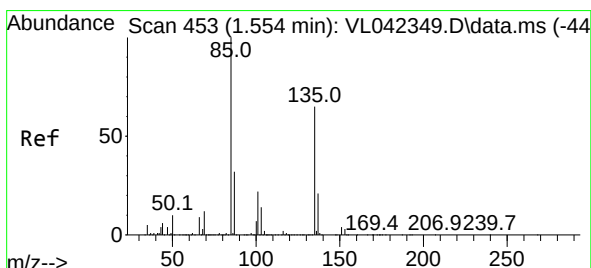
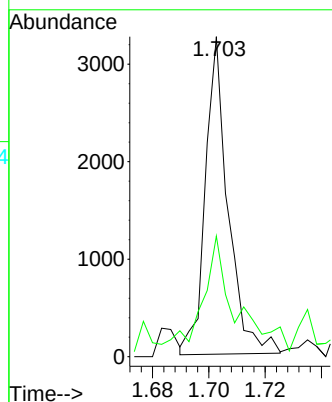
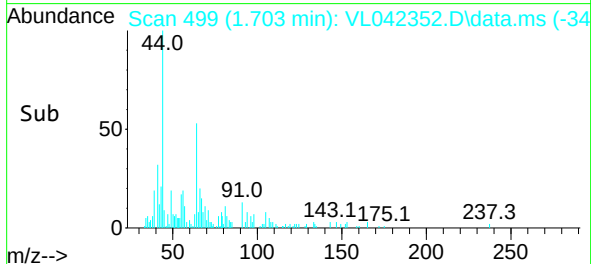
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



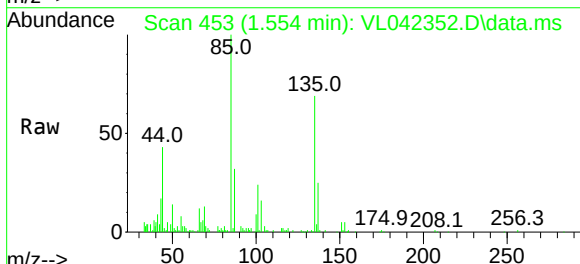
Tgt Ion: 64 Resp: 1824
Ion Ratio Lower Upper
64 100
66 37.7 24.6 37.0

Manual Integrations
APPROVED

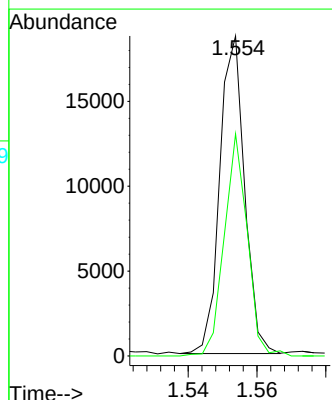
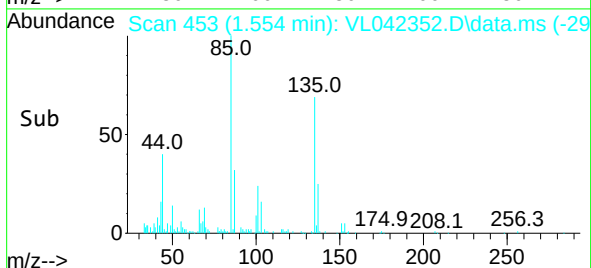
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

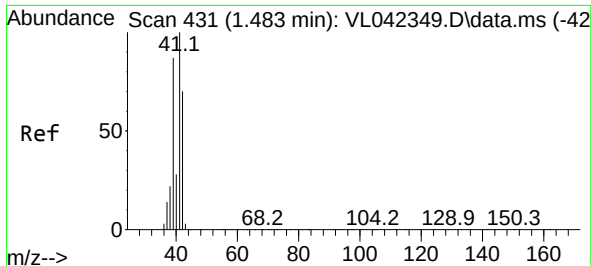


#8
Dichlorotetrafluoroethane
Concen: 0.513 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 85 Resp: 9381
Ion Ratio Lower Upper
85 100
135 66.2 52.2 78.2





#9

Propene

Concen: 0.574 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

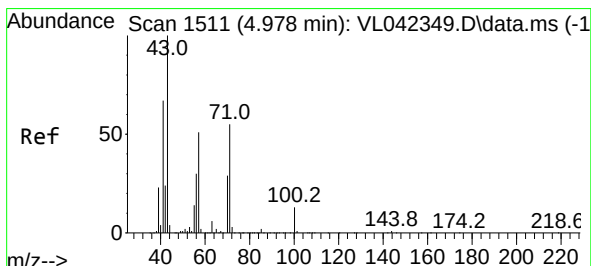
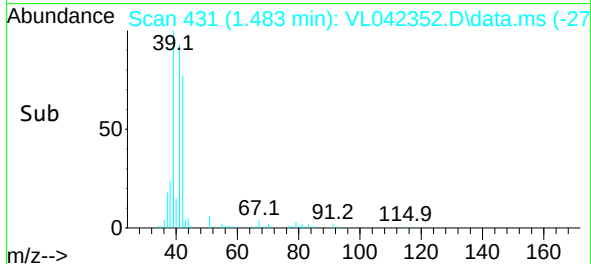
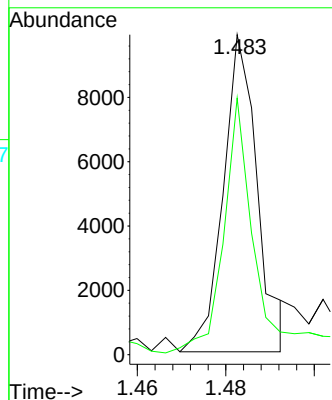
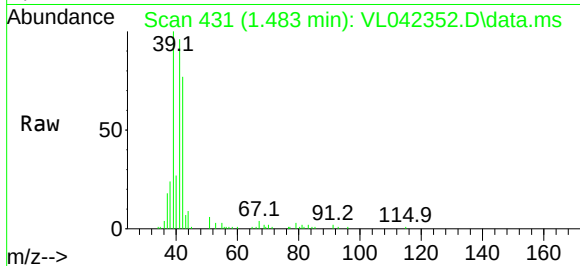
ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 530
 Ion Ratio Lower Upper
 41 100
 42 64.8 56.2 84.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#10

Heptane

Concen: 0.593 ppbv m

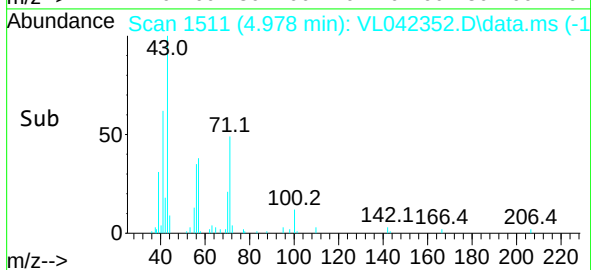
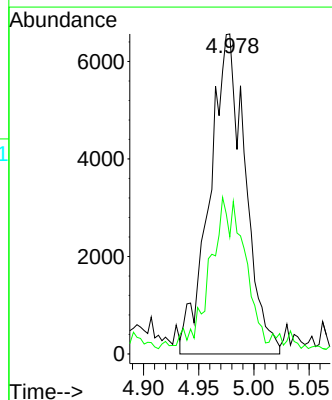
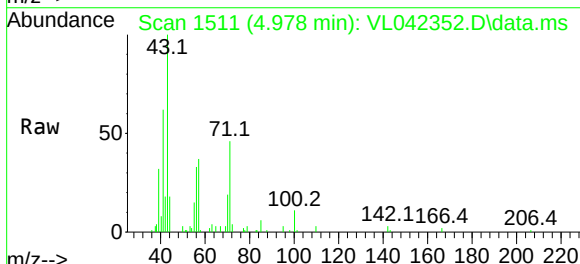
RT: 4.978 min Scan# 1511

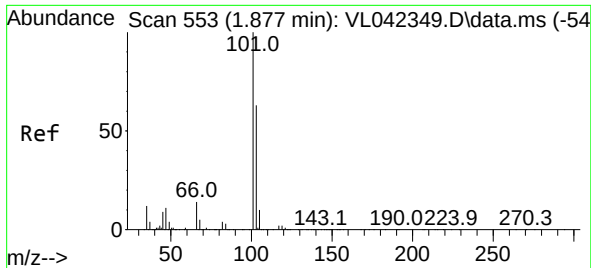
Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

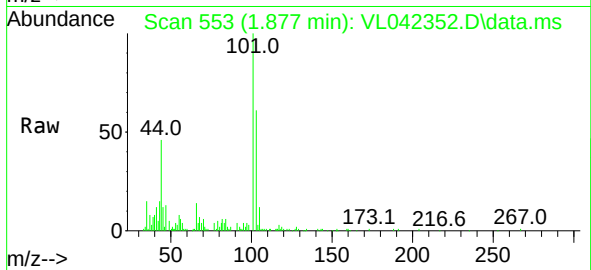
Tgt Ion: 43 Resp: 14728
 Ion Ratio Lower Upper
 43 100
 57 51.1 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.501 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

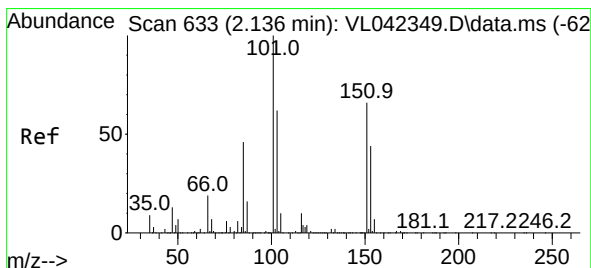
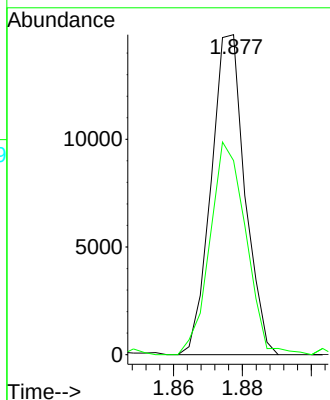
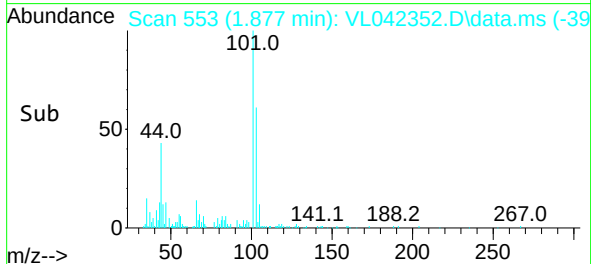
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



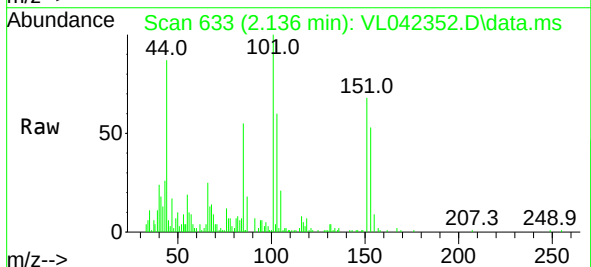
Tgt Ion:101 Resp: 10150
Ion Ratio Lower Upper
101 100
103 60.6 50.1 75.1

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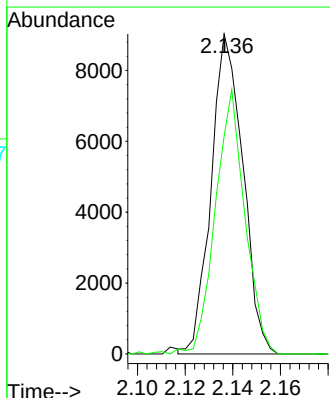
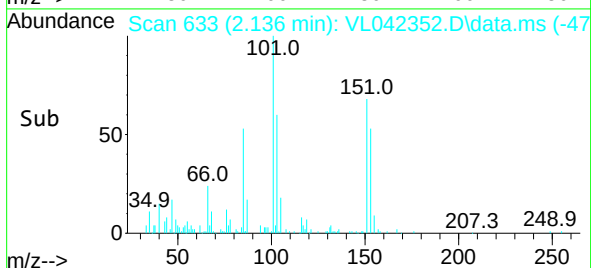
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

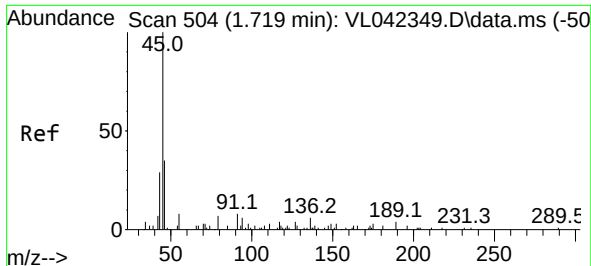


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.506 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



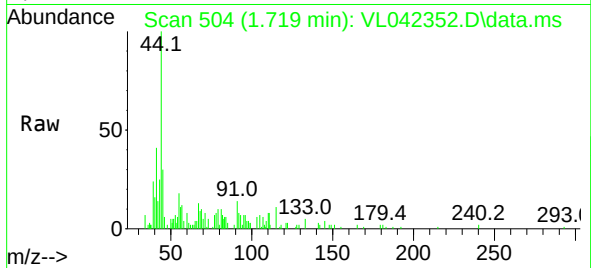
Tgt Ion:101 Resp: 8371
Ion Ratio Lower Upper
101 100
151 77.4 57.0 85.6





#13
Ethanol
Concen: 2.194 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

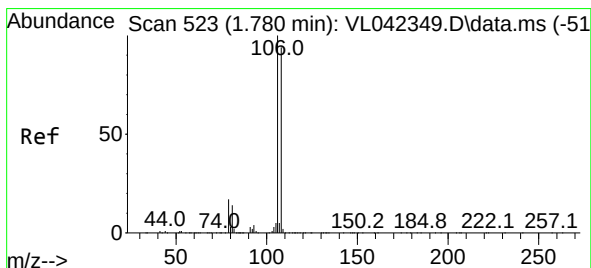
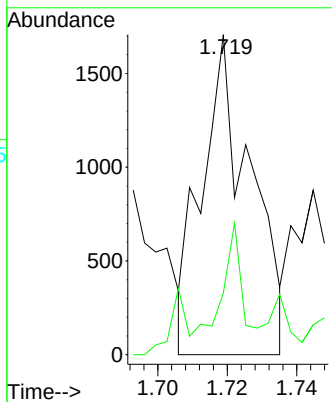
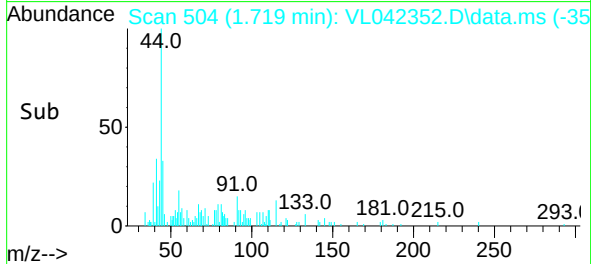
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



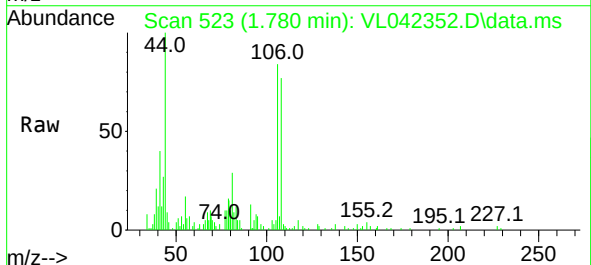
Tgt Ion: 45 Resp: 1650
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

Manual Integrations
APPROVED

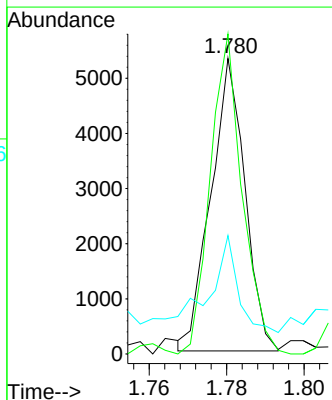
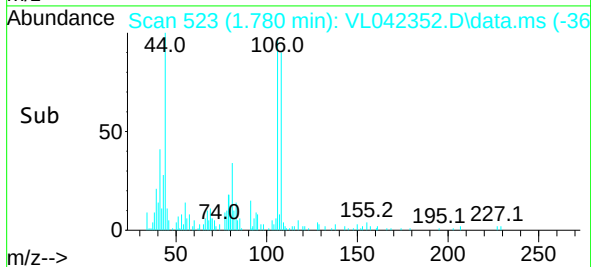
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

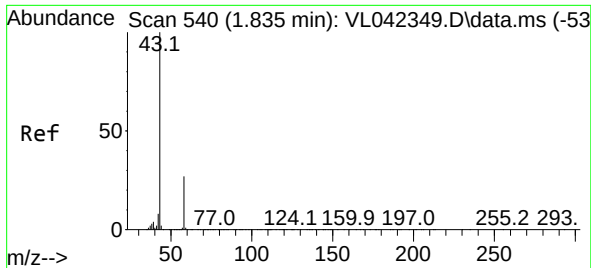


#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



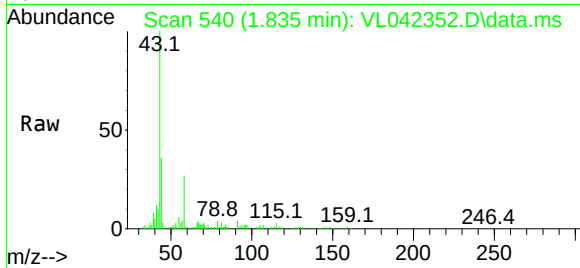
Tgt Ion:108 Resp: 3238
Ion Ratio Lower Upper
108 100
106 110.3 85.9 128.9
79 33.0 13.9 20.9





#15
Acetone
Concen: 0.601 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

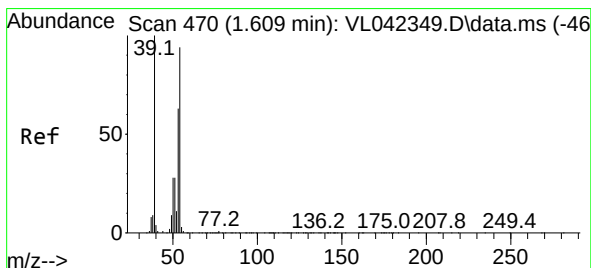
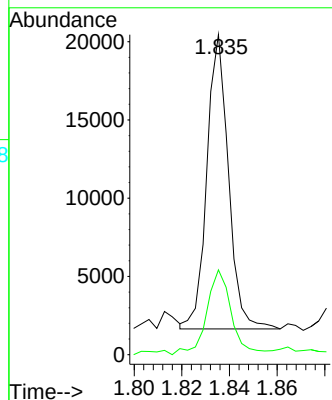
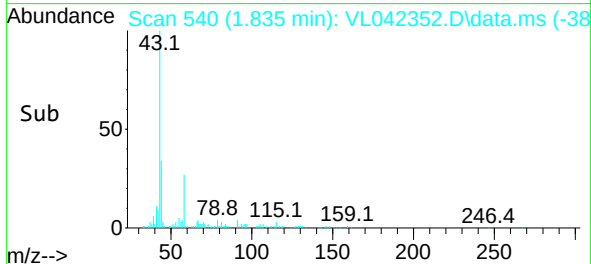
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



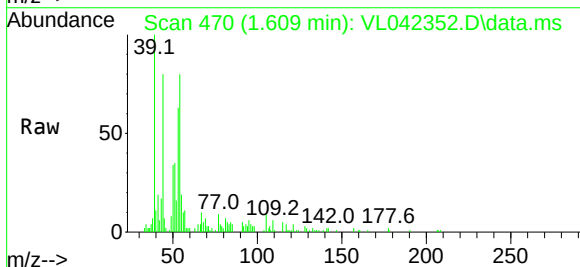
Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
58 41.7 22.4 33.6

Manual Integrations
APPROVED

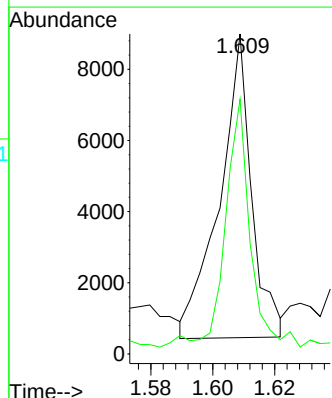
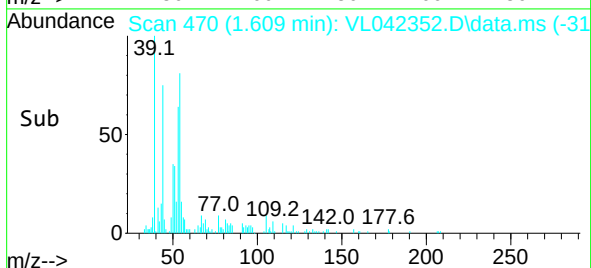
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

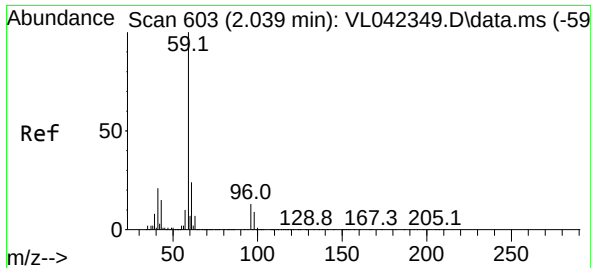


#16
1,3-Butadiene
Concen: 0.660 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 39 Resp: 6120
Ion Ratio Lower Upper
39 100
54 64.7 64.9 97.3





#17

tert-Butyl alcohol

Concen: 0.558 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 13640

Ion Ratio Lower Upper

59 100

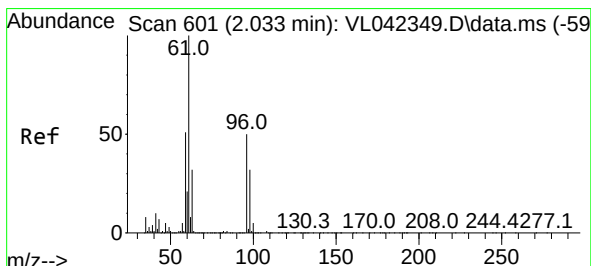
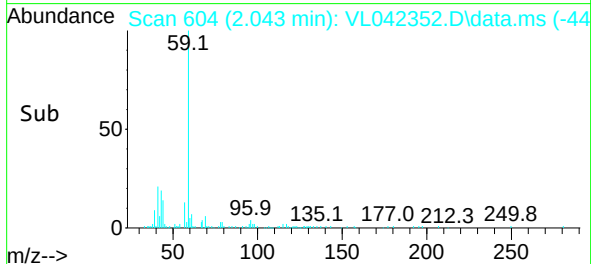
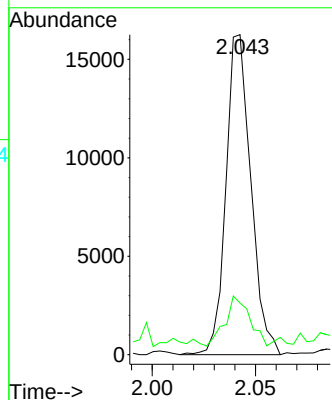
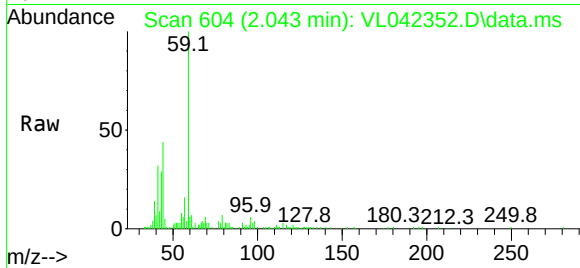
57 16.5 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#18

1,1-Dichloroethene

Concen: 0.556 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

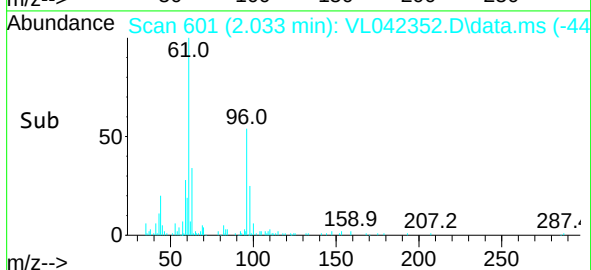
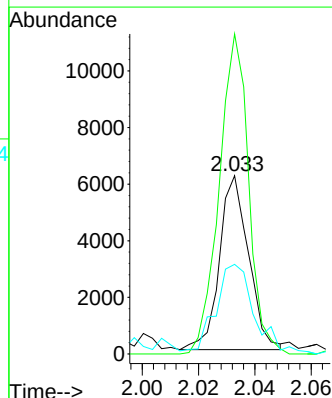
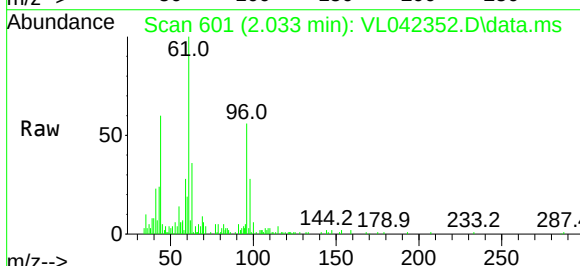
Tgt Ion: 96 Resp: 4430

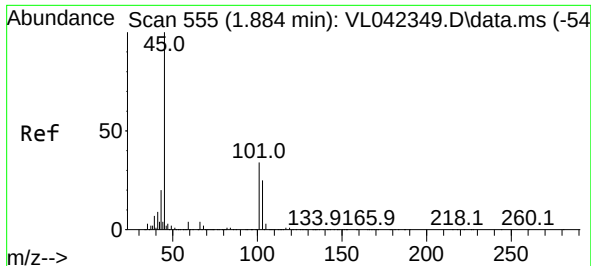
Ion Ratio Lower Upper

96 100

61 183.9 160.2 240.2

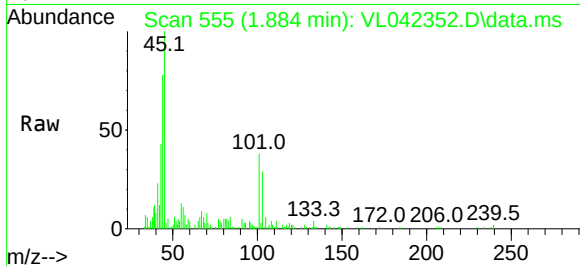
98 49.7 51.0 76.4





#19
Isopropyl Alcohol
Concen: 0.577 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

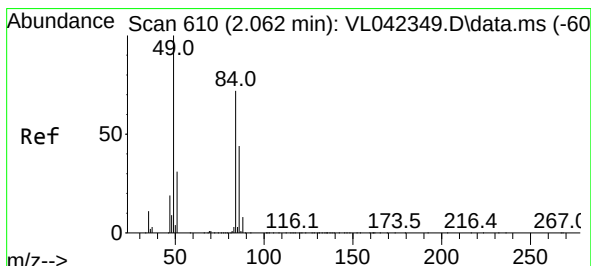
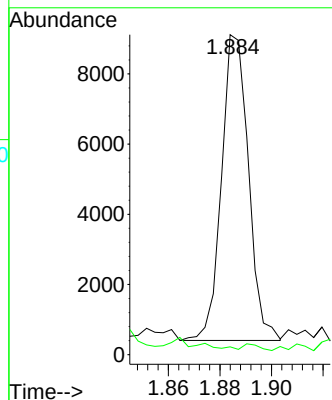
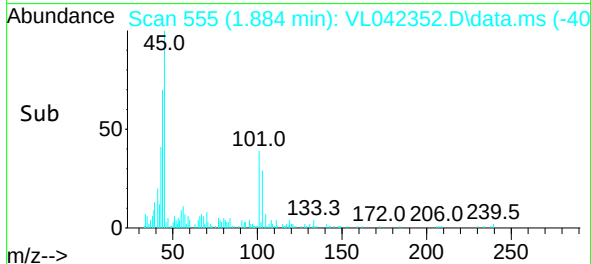
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



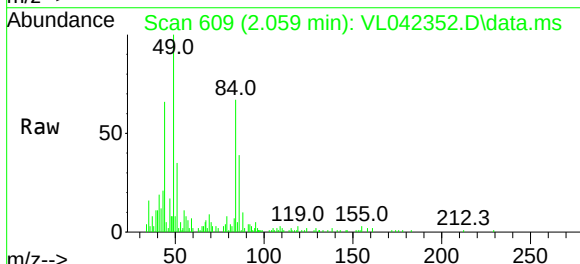
Tgt Ion: 45 Resp: 632
Ion Ratio Lower Upper
45 100
58 3.8 34.5 51.7

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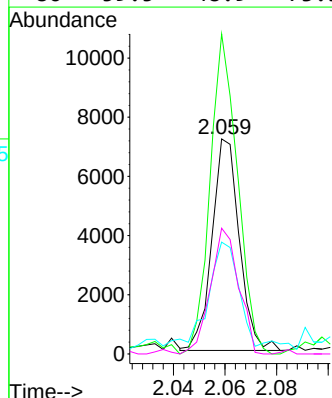
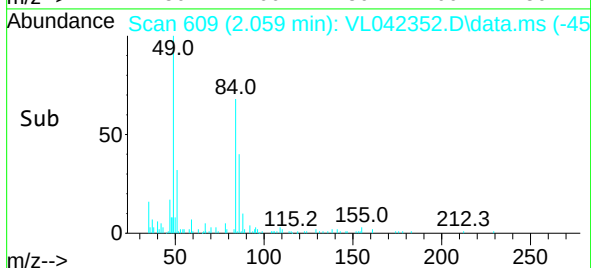
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

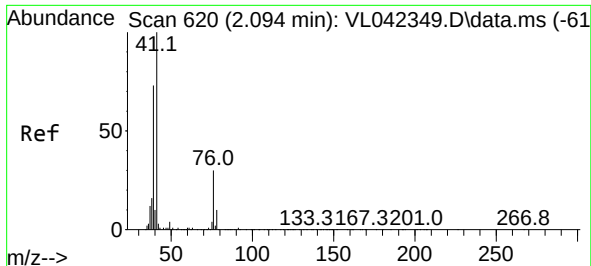


#20
Methylene Chloride
Concen: 0.682 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



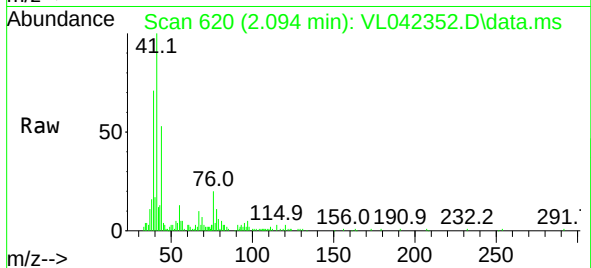
Tgt Ion: 84 Resp: 5273
Ion Ratio Lower Upper
84 100
49 151.3 111.6 167.4
51 48.1 35.1 52.7
86 59.5 48.9 73.3





#21
 Allyl Chloride
 Concen: 0.565 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

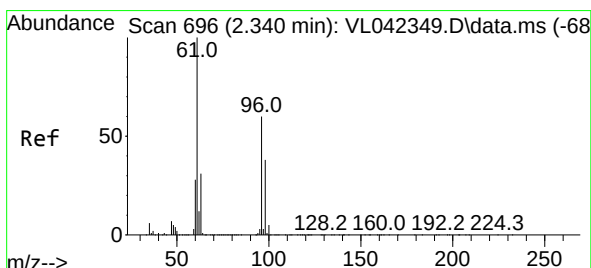
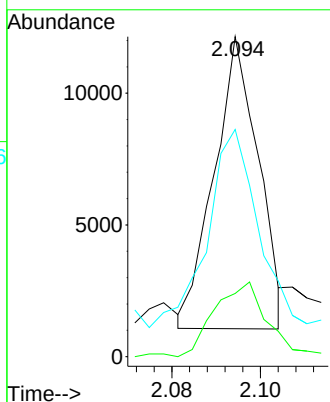
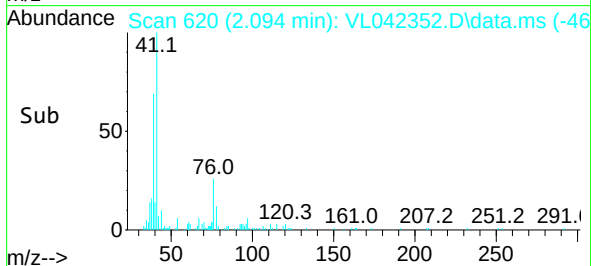
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



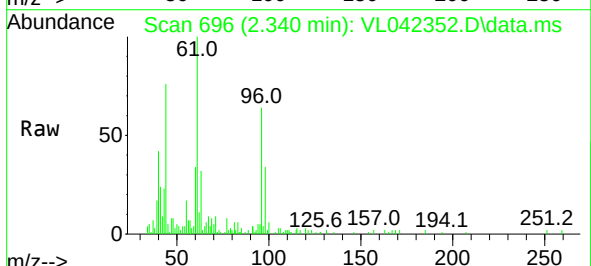
Tgt Ion: 41 Resp: 7692
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.8 37.2
 39 98.8 60.6 90.8

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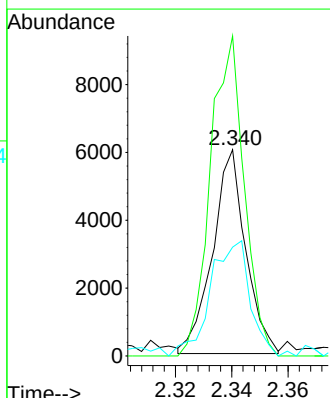
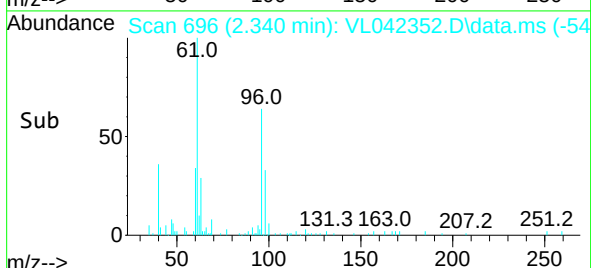
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

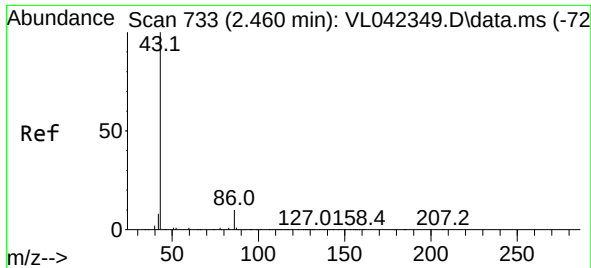


#22
 trans-1,2-Dichloroethene
 Concen: 0.557 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19



Tgt Ion: 96 Resp: 4908
 Ion Ratio Lower Upper
 96 100
 61 158.7 133.7 200.5
 98 54.0 50.3 75.5





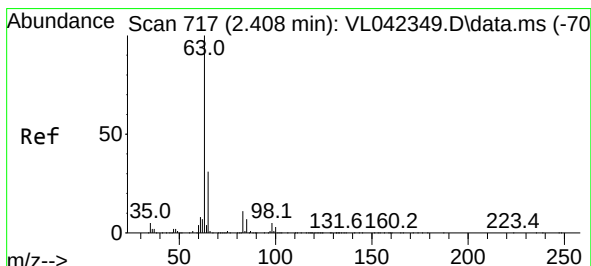
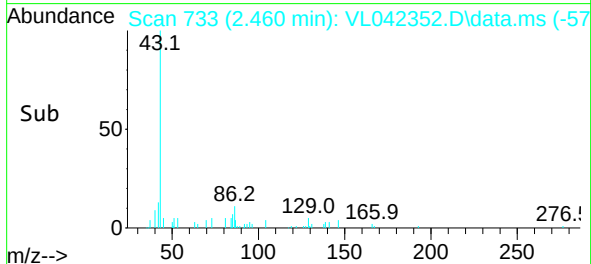
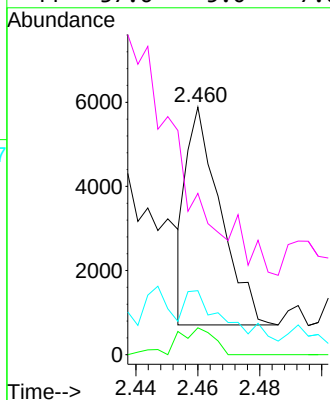
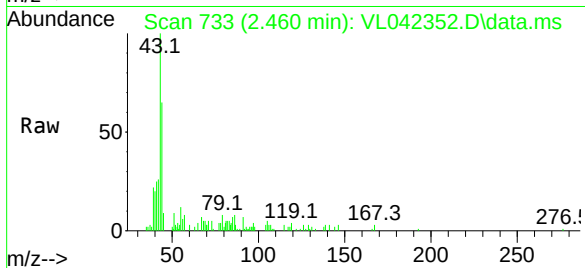
#23
 Vinyl Acetate
 Concen: 0.495 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 395
 Ion Ratio Lower Upper
 43 100
 86 12.4 6.5 9.7
 42 23.2 7.8 11.8
 44 37.6 5.0 7.6

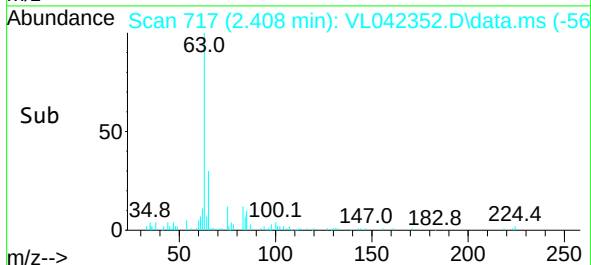
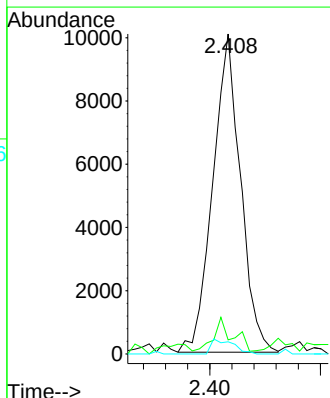
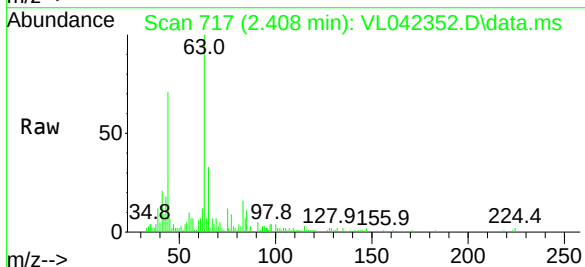
Manual Integrations
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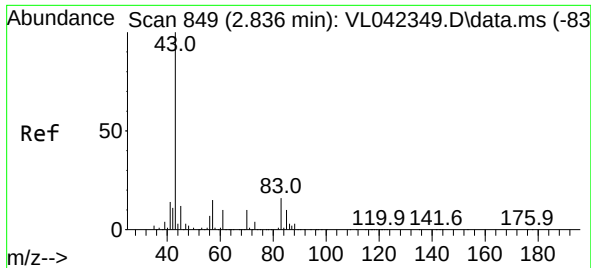
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 0.523 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Tgt Ion: 63 Resp: 8753
 Ion Ratio Lower Upper
 63 100
 98 1.4 2.3 6.8
 100 3.8 1.6 4.8





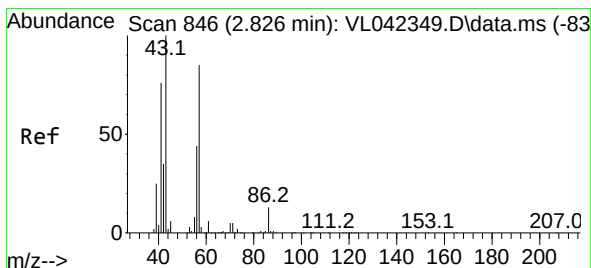
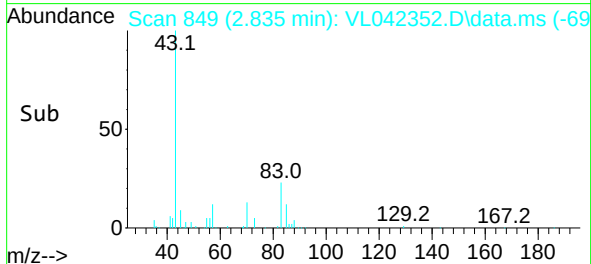
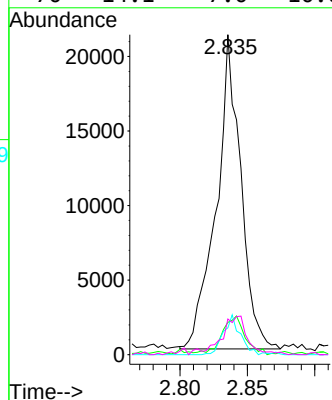
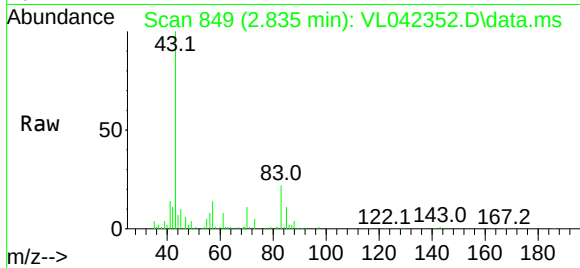
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43	Resp: 26680
Ion Ratio	Lower Upper
43 100	
45 13.3	8.3 12.5
61 9.0	7.3 10.9
70 14.1	7.0 10.6

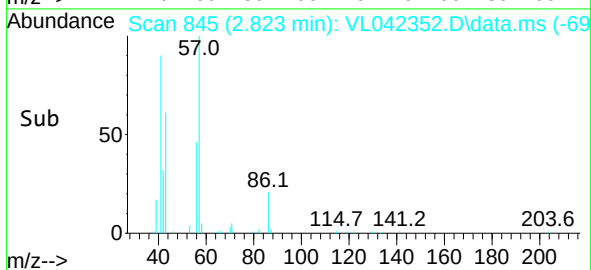
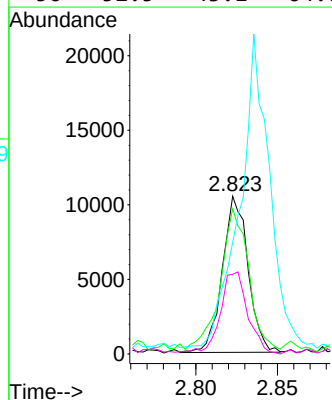
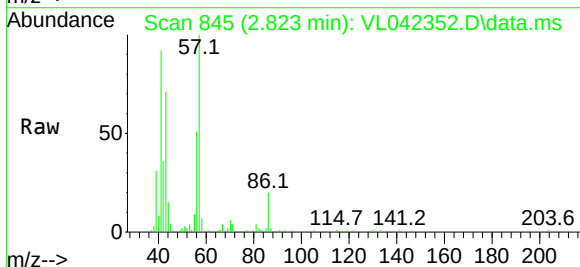
Manual Integrations
APPROVED

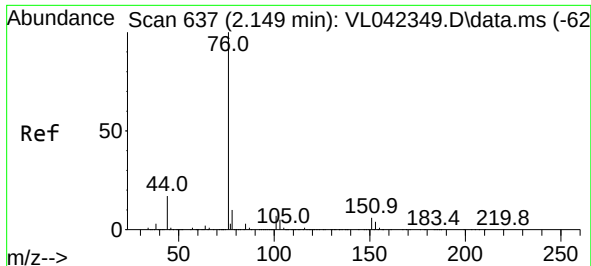
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#26
Hexane
Concen: 0.581 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

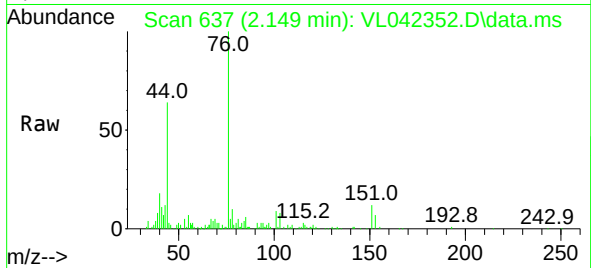
Tgt Ion: 57	Resp: 11448		
Ion	Ratio	Lower	Upper
57	100		
41	103.5	77.9	116.9
43	240.0	208.4	312.6
56	52.5	43.1	64.7





#27
Carbon Disulfide
Concen: 0.544 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

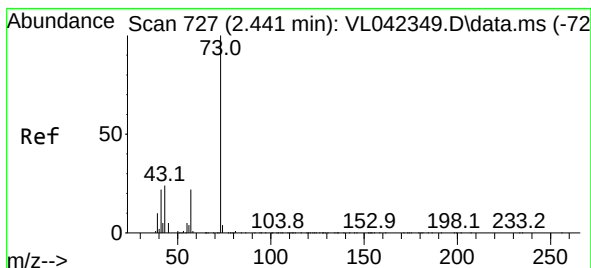
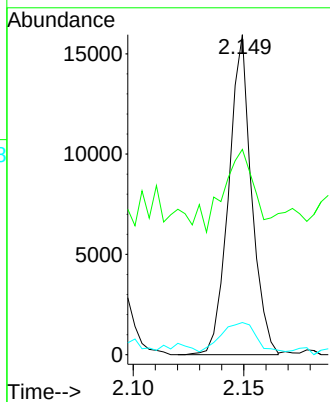
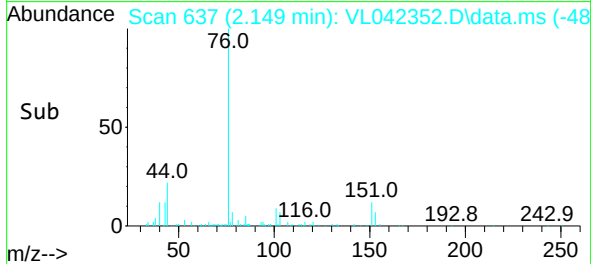
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



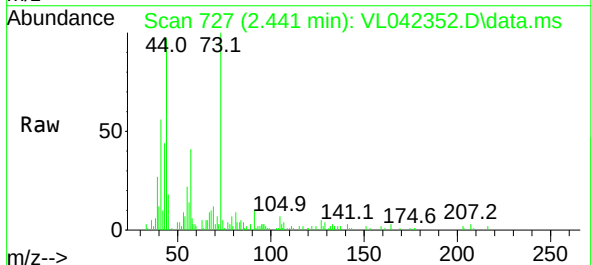
Tgt Ion: 76 Resp: 11472
Ion Ratio Lower Upper
76 100
44 123.7 15.5 23.3
78 18.8 9.3 13.9

Manual Integrations
APPROVED

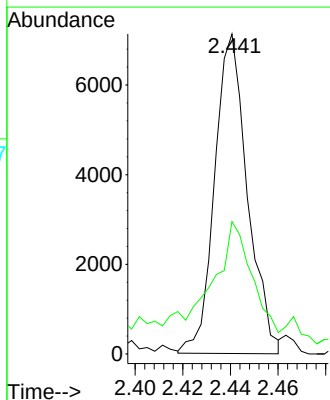
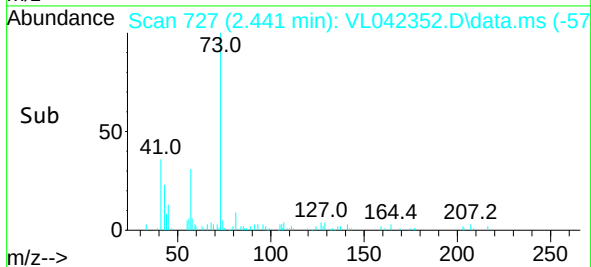
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

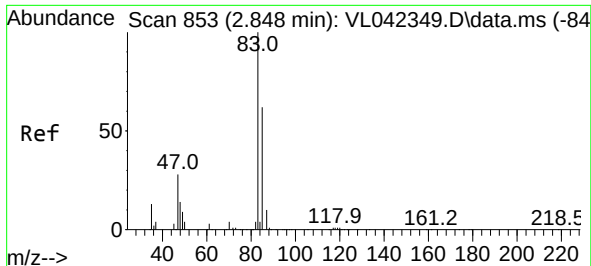


#28
Methyl tert-Butyl Ether
Concen: 0.530 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 73 Resp: 6833
Ion Ratio Lower Upper
73 100
57 61.8 21.3 31.9





#29

Chloroform

Concen: 0.532 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1481

Ion Ratio Lower Upper

83 100

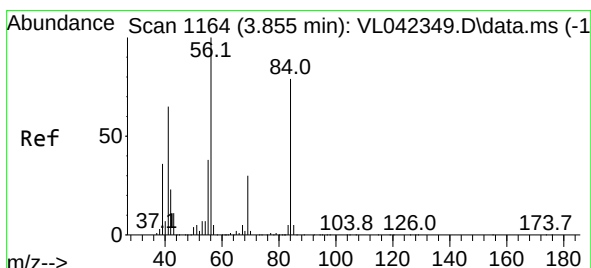
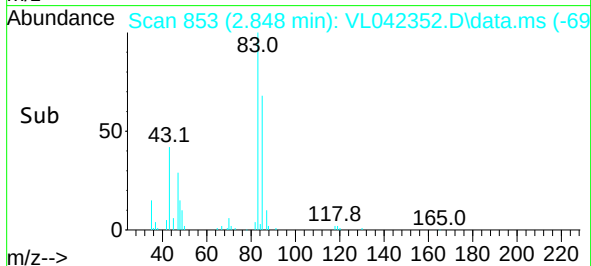
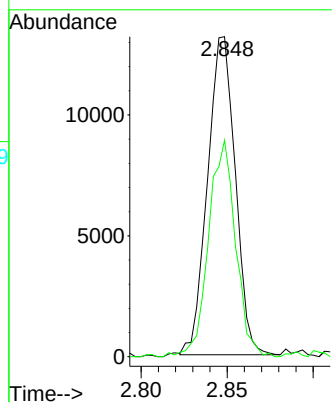
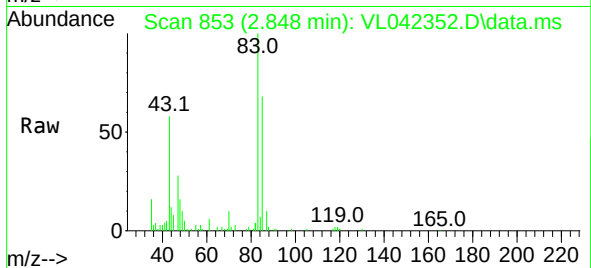
85 68.0 50.0 75.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#30

Cyclohexane

Concen: 0.541 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

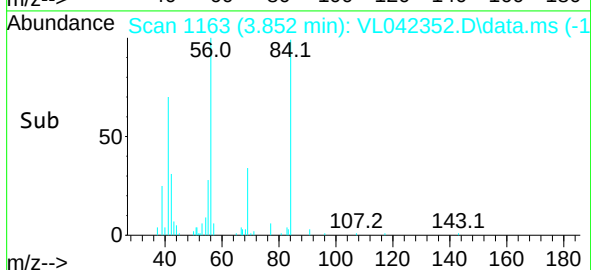
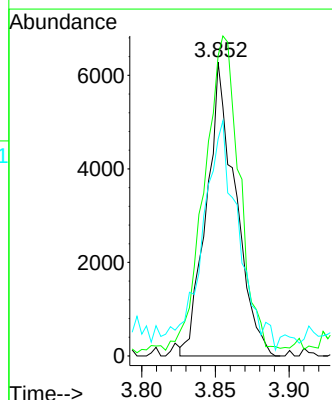
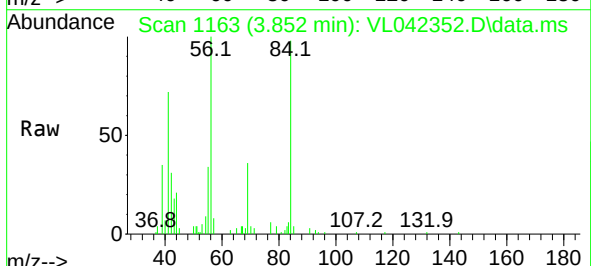
Tgt Ion: 84 Resp: 8572

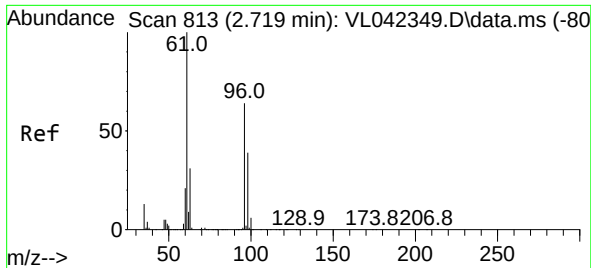
Ion Ratio Lower Upper

84 100

56 132.8 101.0 151.4

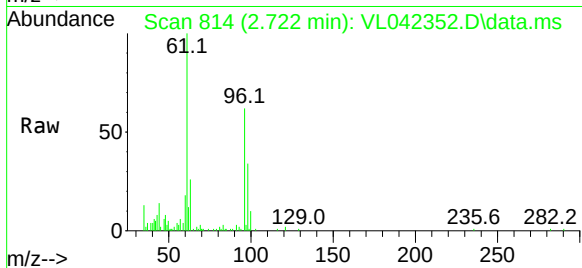
41 89.8 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 0.511 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

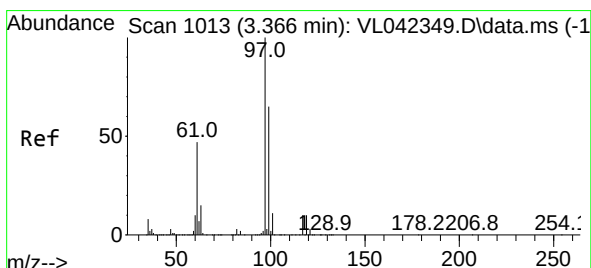
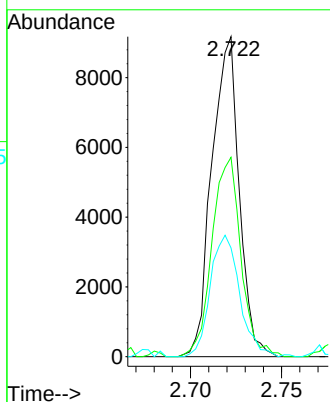
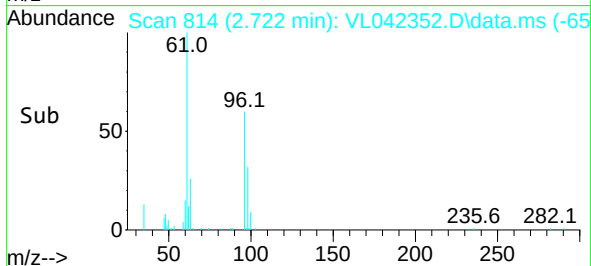
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



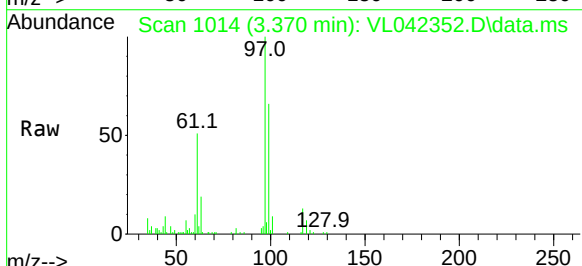
Tgt Ion: 61 Resp: 957
 Ion Ratio Lower Upper
 61 100
 96 62.3 50.8 76.2
 98 34.0 30.9 46.3

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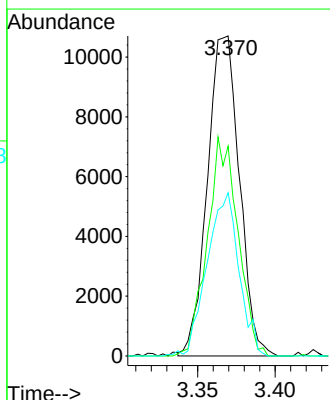
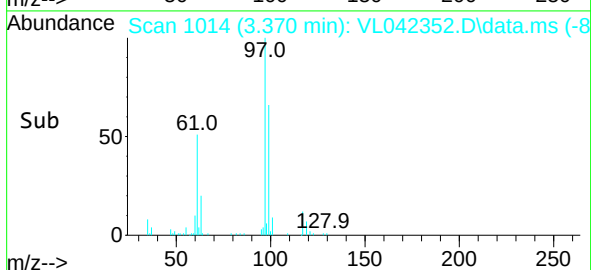
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

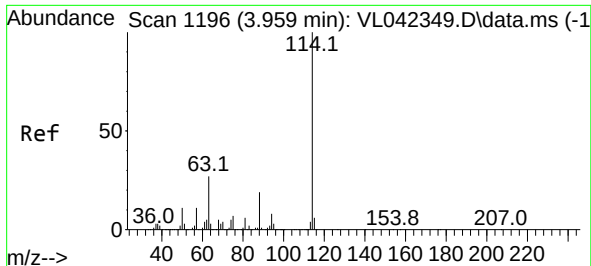


#32
 1,1,1-Trichloroethane
 Concen: 0.516 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19



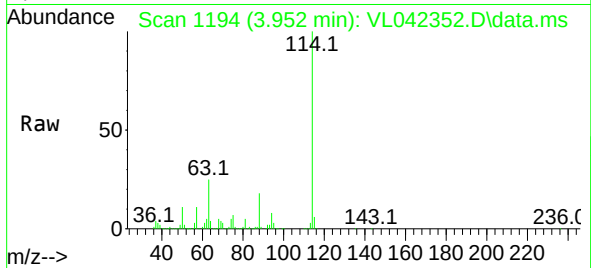
Tgt Ion: 97 Resp: 15413
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.4
 61 50.8 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1196
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

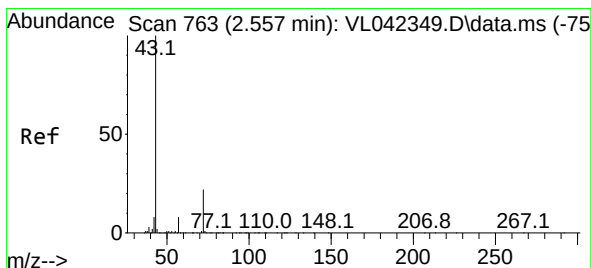
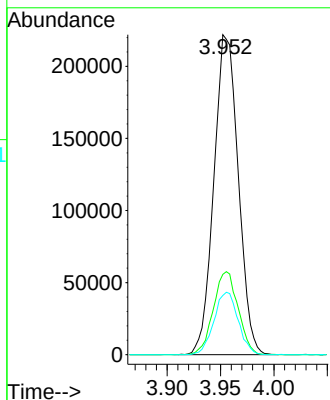
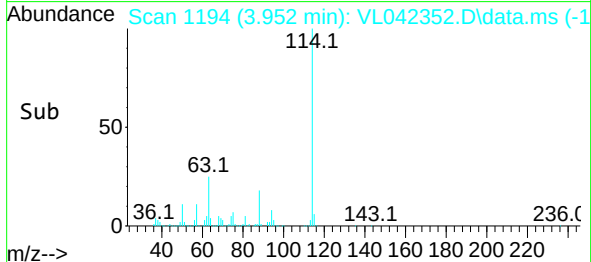
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



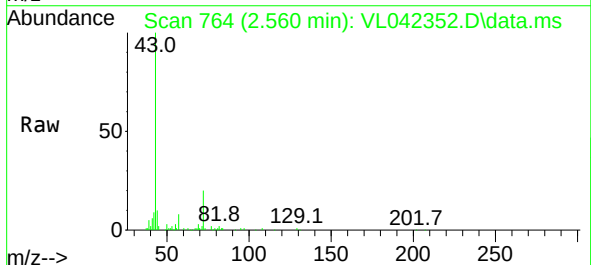
Tgt Ion: 114 Resp: 35313
Ion Ratio Lower Upper
114 100
63 26.3 21.8 32.6
88 19.4 15.5 23.3

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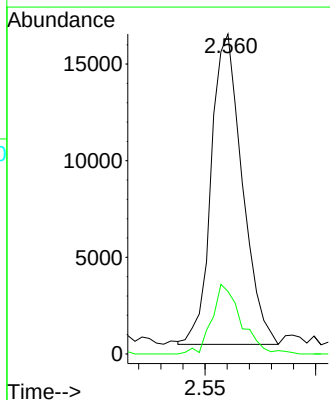
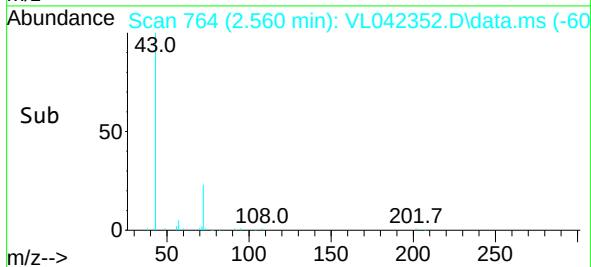
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

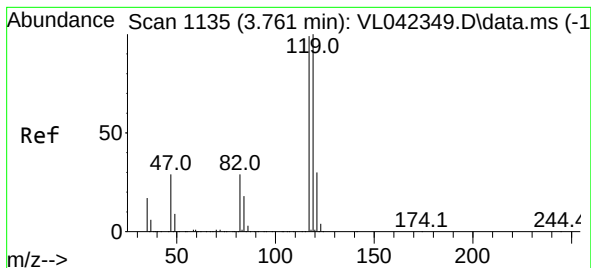


#34
2-Butanone
Concen: 0.560 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 43 Resp: 15640
Ion Ratio Lower Upper
43 100
72 21.3 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.459 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

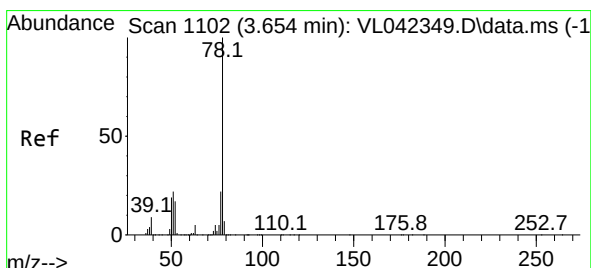
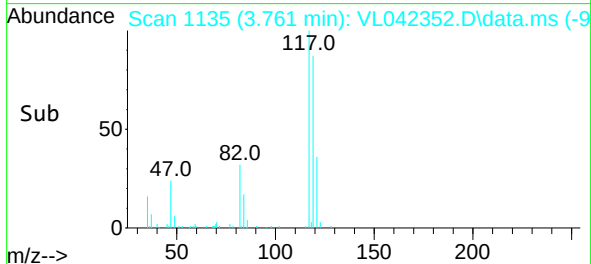
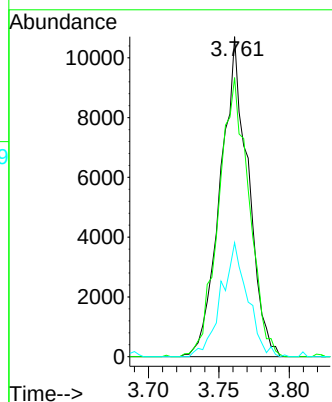
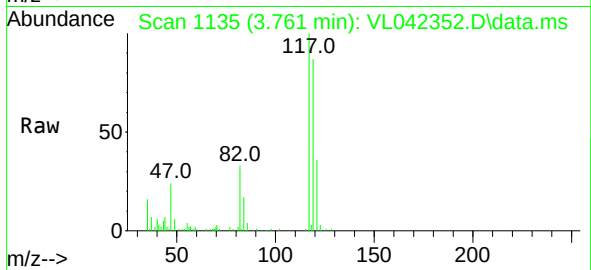
VSTDICC0.5

Tgt Ion: 117	Resp: 1468
Ion Ratio	Lower Upper
117 100	
119 87.2	80.5 120.7
121 35.6	24.2 36.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 0.531 ppbv

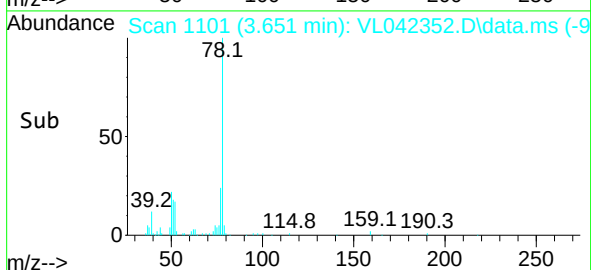
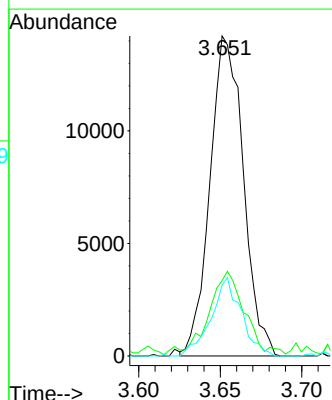
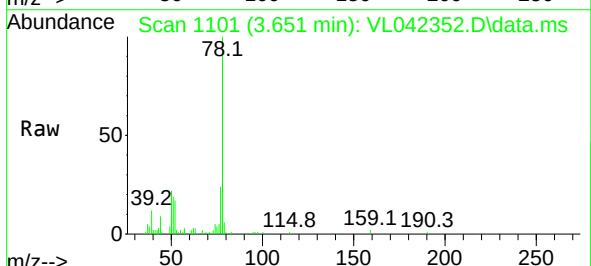
RT: 3.651 min Scan# 1101

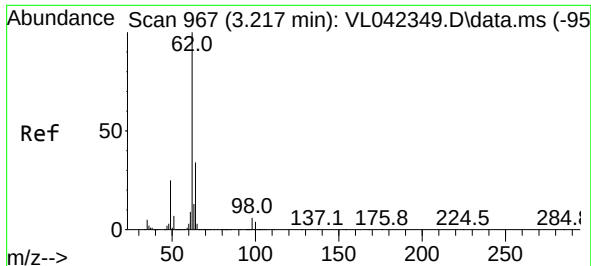
Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion: 78	Resp: 20233
Ion Ratio	Lower Upper
78 100	
77 21.7	17.4 26.0
50 22.1	15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.533 ppbv

RT: 3.217 min Scan# 967

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 62 Resp: 12194

Ion Ratio Lower Upper

62 100

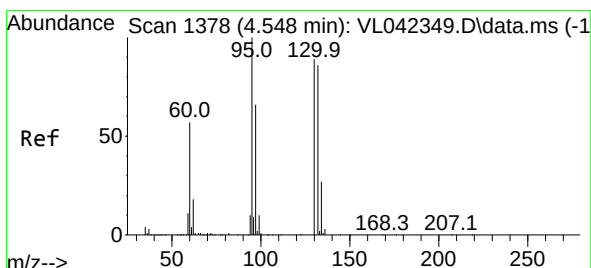
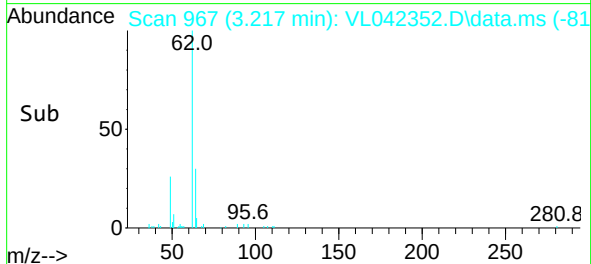
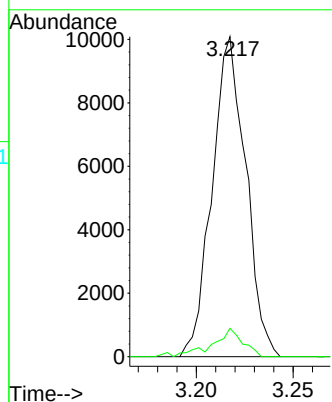
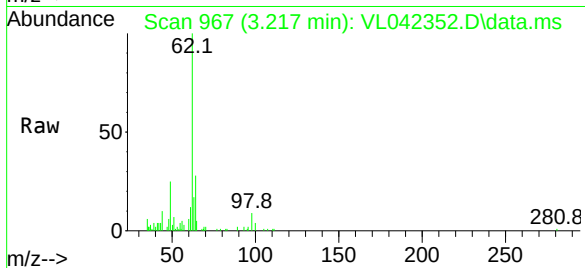
98 8.1 5.1 7.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 0.468 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:130 Resp: 7819

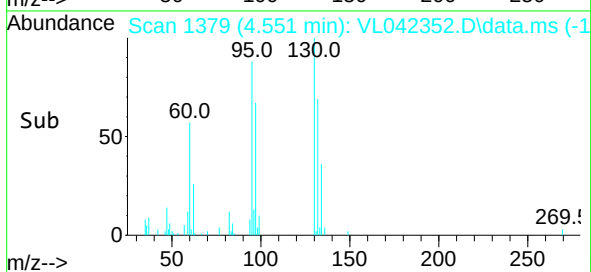
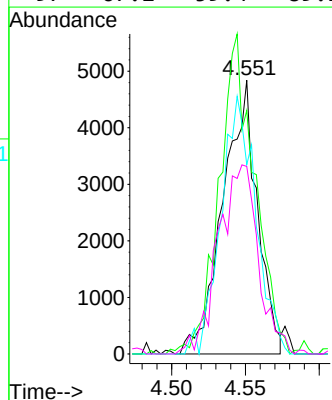
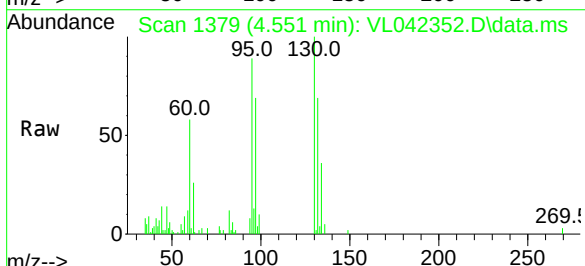
Ion Ratio Lower Upper

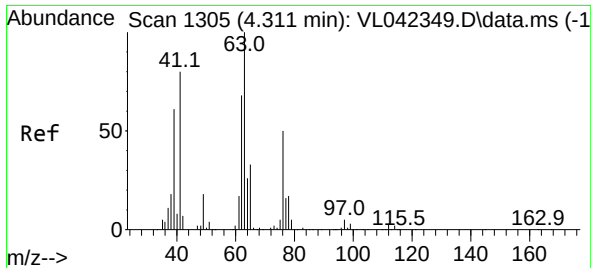
130 100

95 86.2 89.8 134.6#

132 69.1 77.7 116.5#

97 67.2 59.4 89.2





#39

1,2-Dichloropropane

Concen: 0.548 ppbv m

RT: 4.308 min Scan# 1304

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

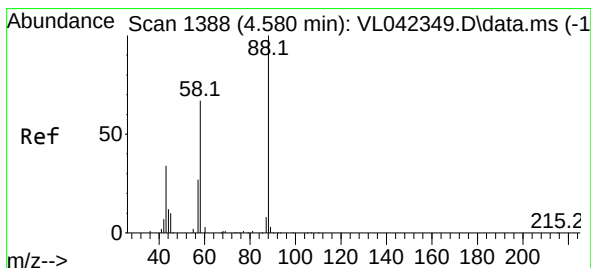
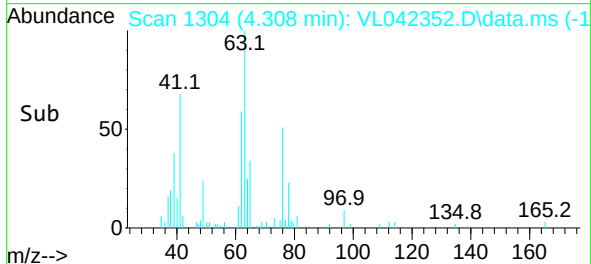
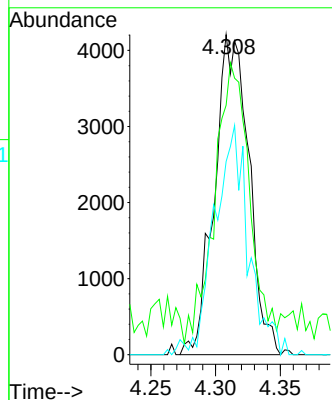
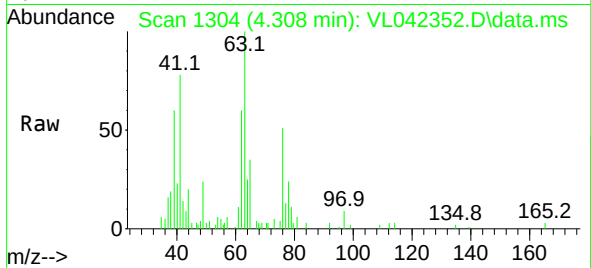
VSTDICC0.5

Tgt Ion: 63	Resp: 7790
Ion Ratio	Lower Upper
63 100	
41 78.0	64.2 96.2
62 60.4	54.3 81.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 0.603 ppbv m

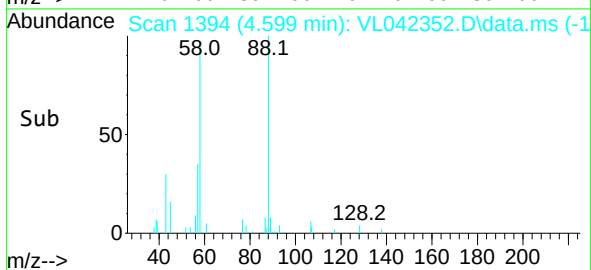
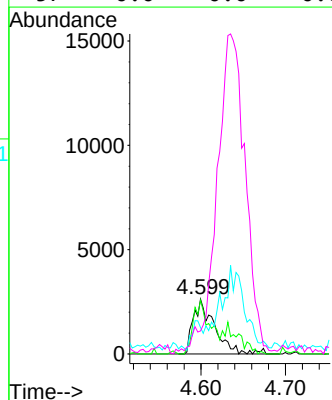
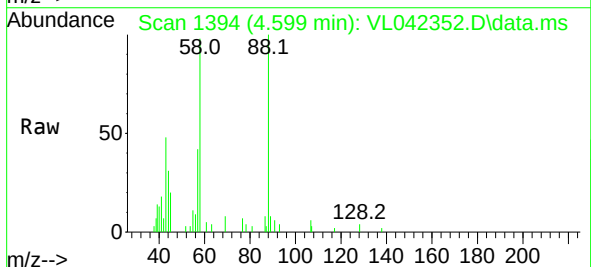
RT: 4.599 min Scan# 1394

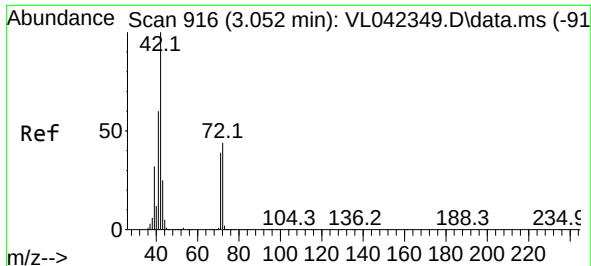
Delta R.T. 0.019 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

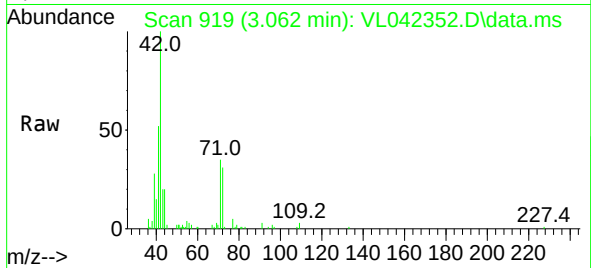
Tgt Ion: 88	Resp: 4637
Ion Ratio	Lower Upper
88 100	
58 118.1	61.4 92.0#
43 0.0	23.2 34.8#
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.567 ppbv m
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

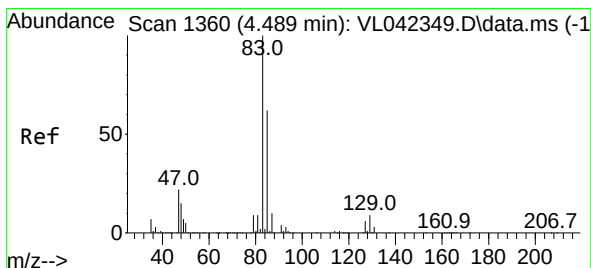
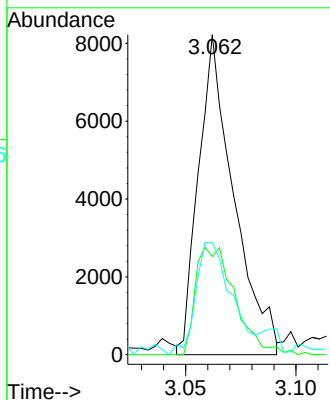
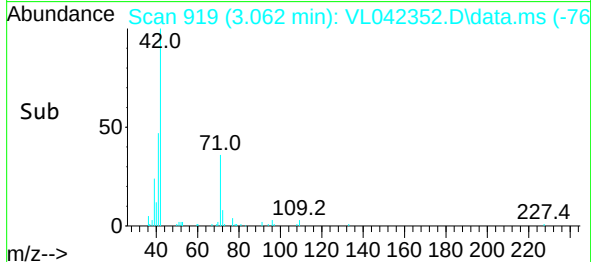
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 42 Resp: 9144
Ion Ratio Lower Upper
42 100
72 37.7 32.3 48.5
71 43.1 31.4 47.2

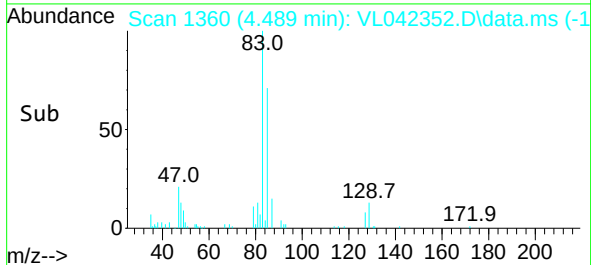
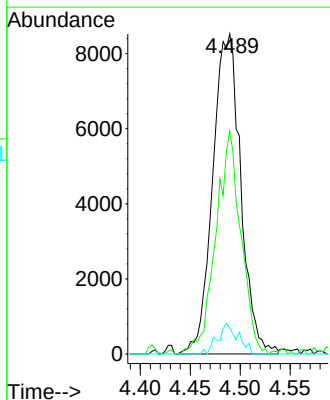
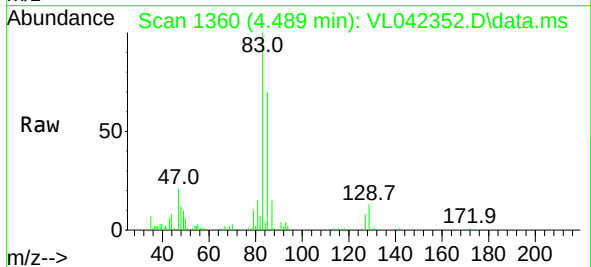
Manual Integrations
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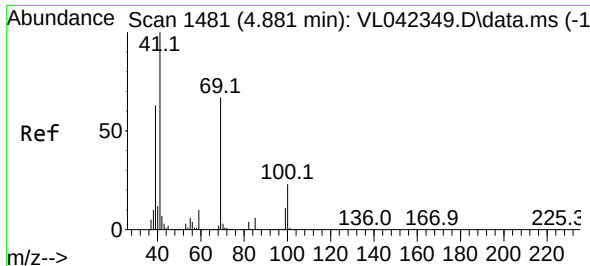
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#42
Bromodichloromethane
Concen: 0.523 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

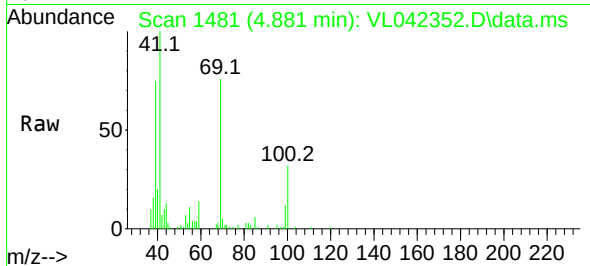
Tgt Ion: 83 Resp: 16642
Ion Ratio Lower Upper
83 100
85 69.6 49.7 74.5
127 8.2 5.1 7.7#





#43
Methyl Methacrylate
Concen: 0.563 ppbv m
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

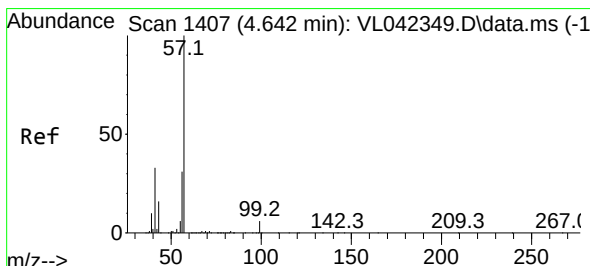
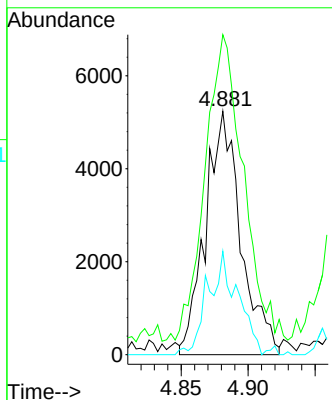
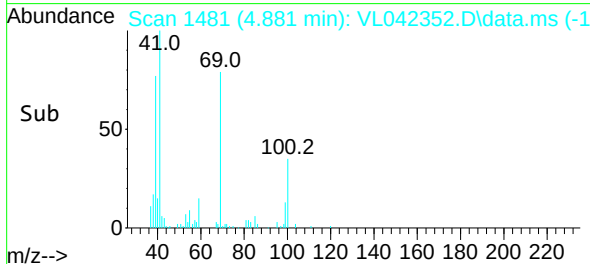
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



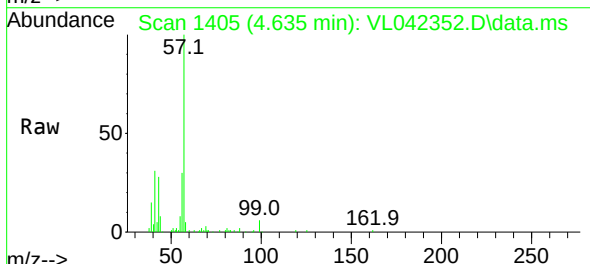
Tgt Ion: 69 Resp: 9620
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8
100 0.0 28.2 42.2

Manual Integrations
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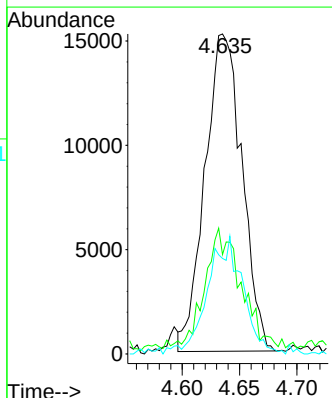
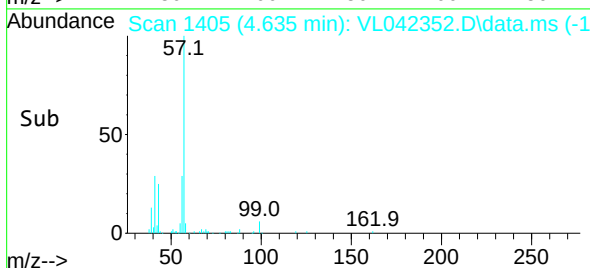
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

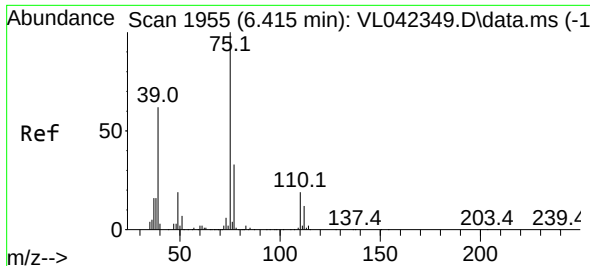


#44
2,2,4-Trimethylpentane
Concen: 0.519 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



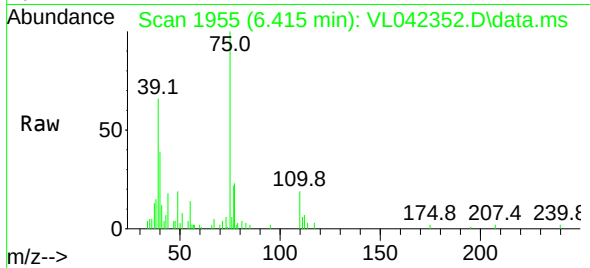
Tgt Ion: 57 Resp: 34170
Ion Ratio Lower Upper
57 100
41 39.1 27.2 40.8
56 37.1 25.7 38.5





#45
t-1,3-Dichloropropene
Concen: 0.517 ppbv m
RT: 6.415 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

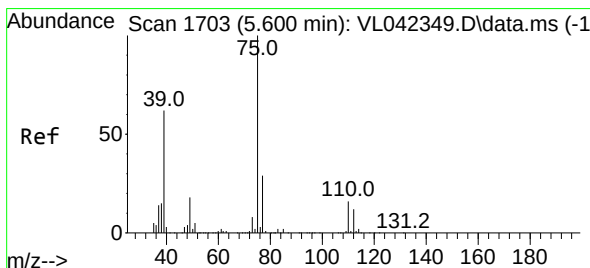
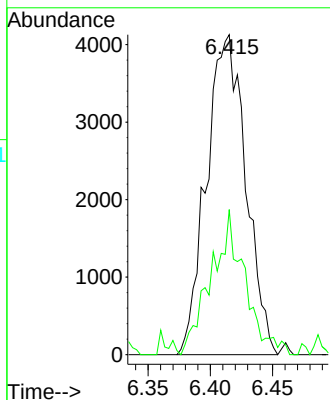
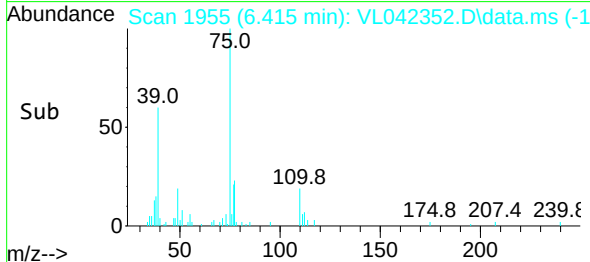
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 75 Resp: 9073
Ion Ratio Lower Upper
75 100
77 23.1 27.0 40.6

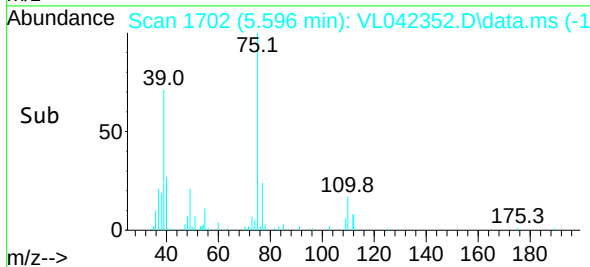
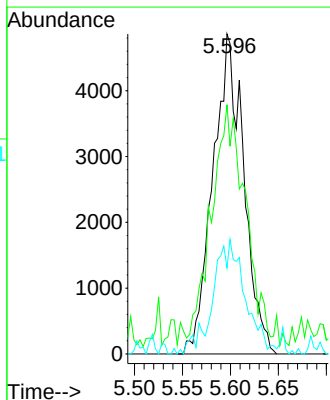
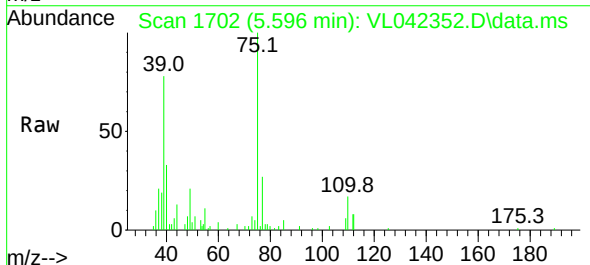
Manual Integrations
APPROVED

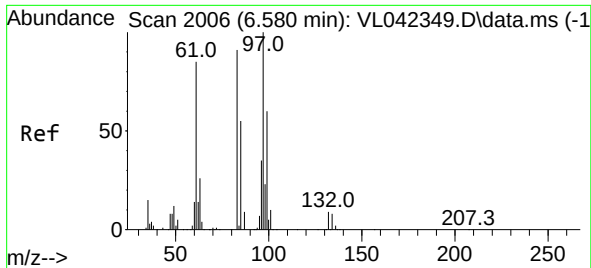
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#46
cis-1,3-Dichloropropene
Concen: 0.505 ppbv m
RT: 5.596 min Scan# 1702
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 75 Resp: 10827
Ion Ratio Lower Upper
75 100
39 77.9 50.0 75.0#
77 26.9 23.0 34.6





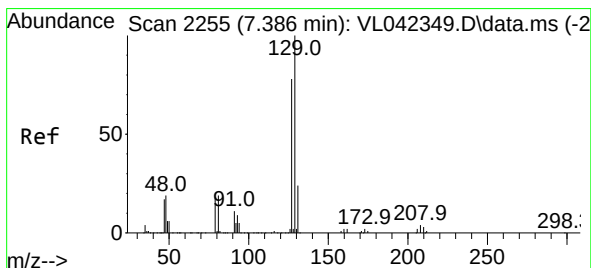
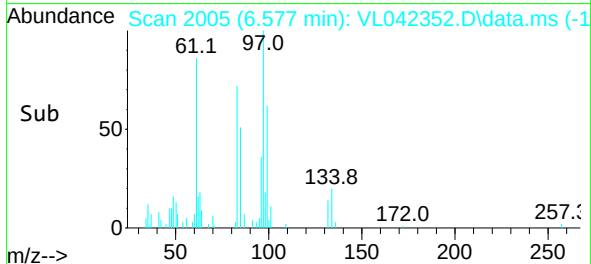
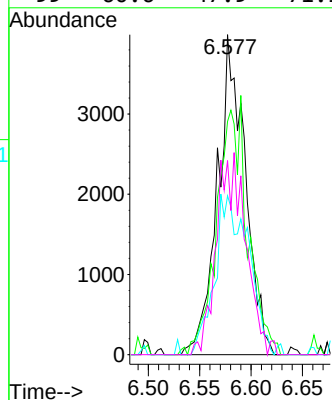
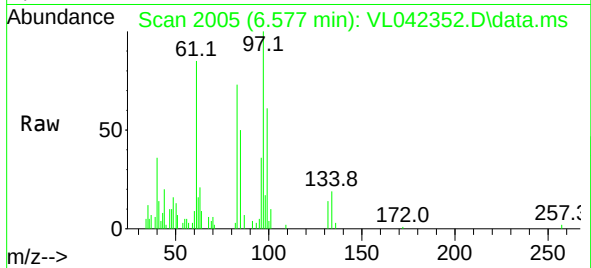
#47
1,1,2-Trichloroethane
Concen: 0.516 ppbv m
RT: 6.577 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 97	Resp: 746
Ion Ratio	Lower Upper
97 100	
83 72.9	72.8 109.2
85 49.6	44.2 66.4
99 60.6	47.9 71.9

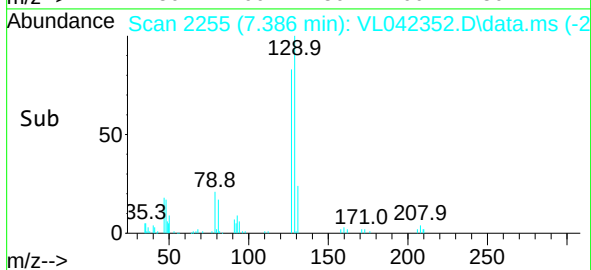
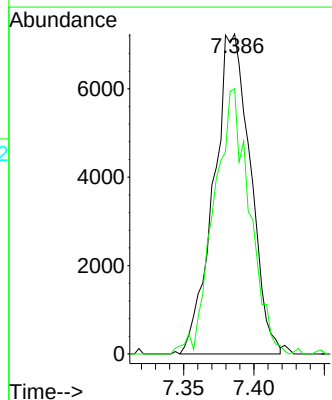
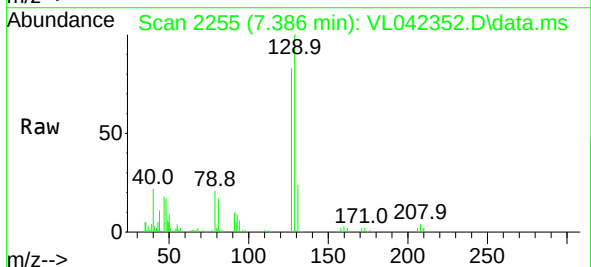
Manual Integrations
APPROVED

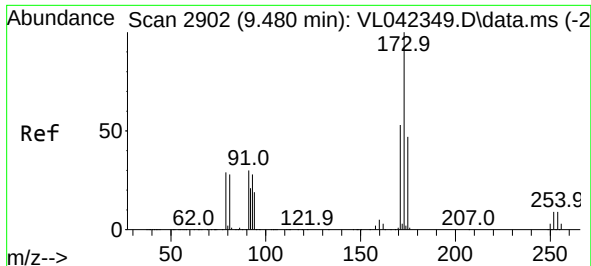
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#48
Dibromochloromethane
Concen: 0.514 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:129	Resp: 13122
Ion Ratio	Lower Upper
129 100	
127 80.9	39.1 117.3





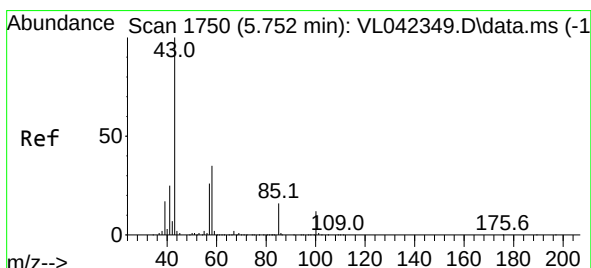
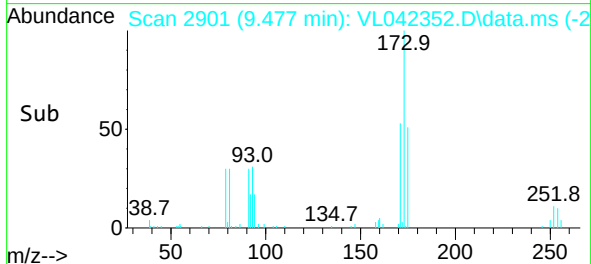
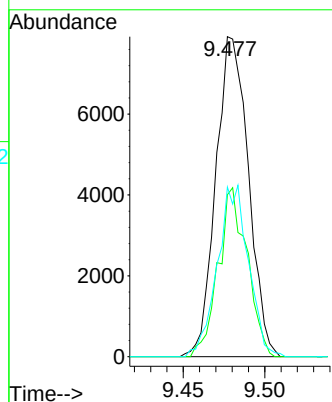
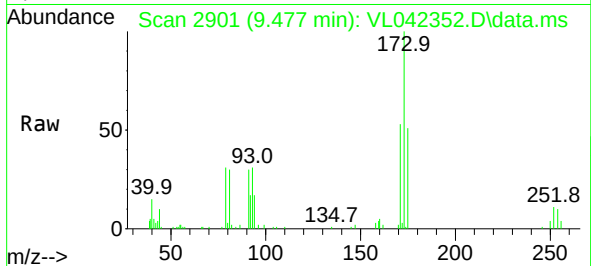
#49
Bromoform
Concen: 0.492 ppbv
RT: 9.477 min Scan# 2902
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:173 Resp: 10988
Ion Ratio Lower Upper
173 100
175 46.8 38.2 57.2
171 51.2 40.9 61.3

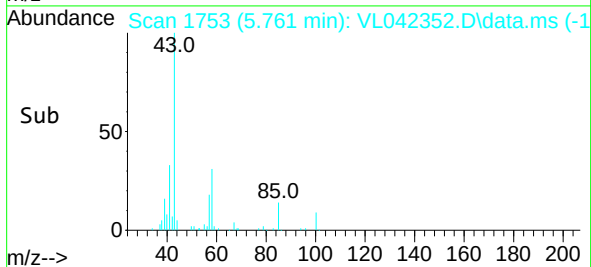
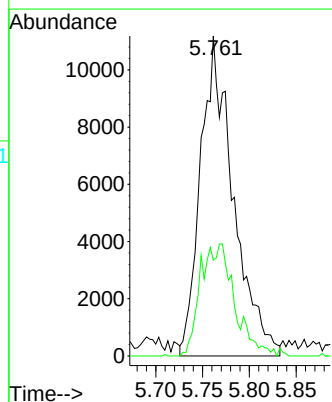
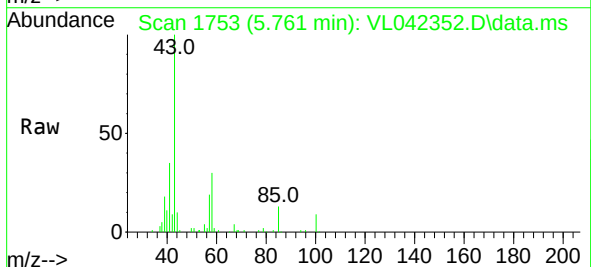
Manual Integrations
APPROVED

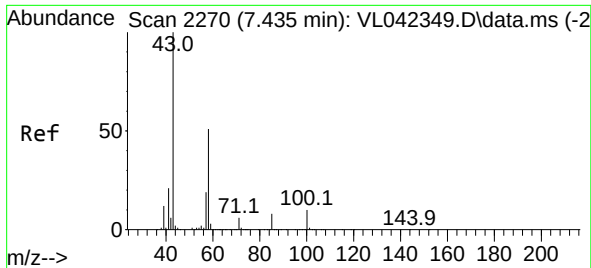
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#50
4-Methyl-2-Pentanone
Concen: 0.585 ppbv m
RT: 5.761 min Scan# 1753
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 27206
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#





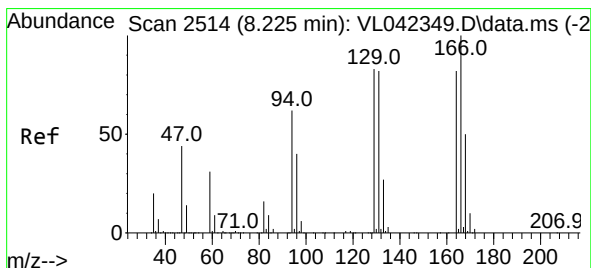
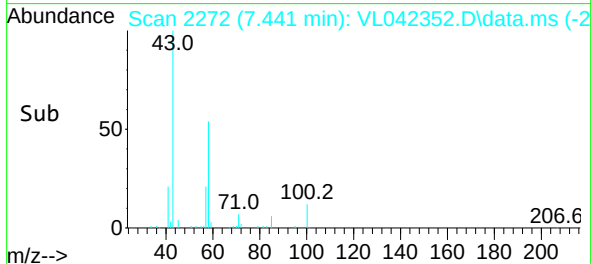
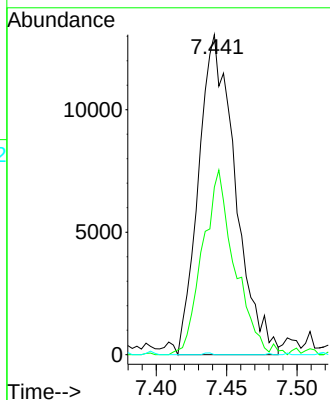
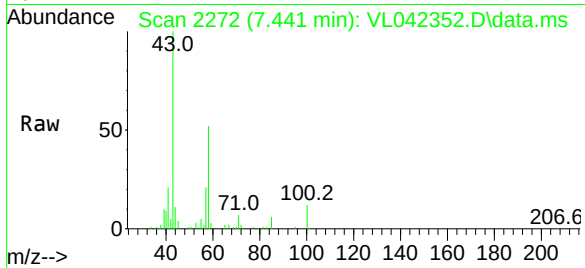
#51
2-Hexanone
Concen: 0.564 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 23684
Ion Ratio Lower Upper
43 100
58 51.7 40.2 60.4
98 0.1 0.1 0.1

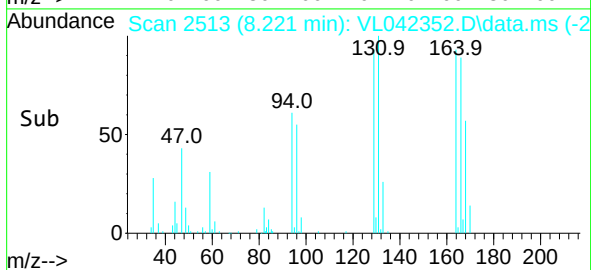
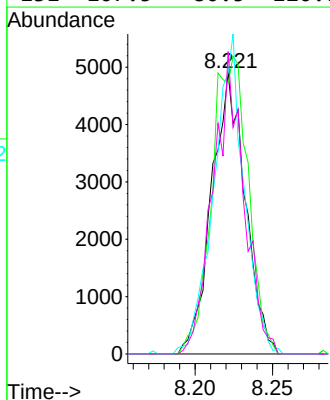
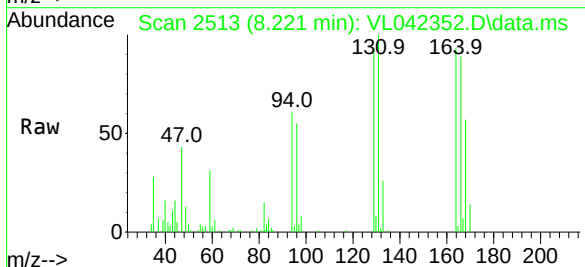
Manual Integrations
APPROVED

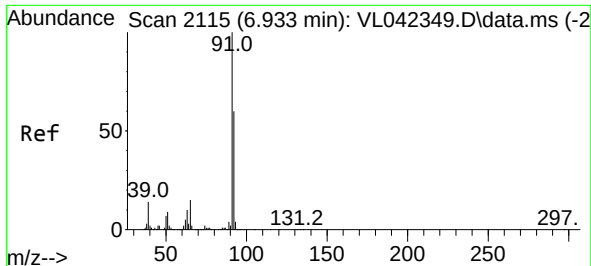
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 0.503 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:164 Resp: 7412
Ion Ratio Lower Upper
164 100
166 96.1 98.2 147.2#
129 97.8 81.8 122.8
131 107.5 80.5 120.7





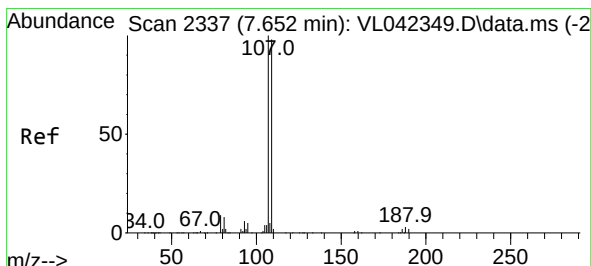
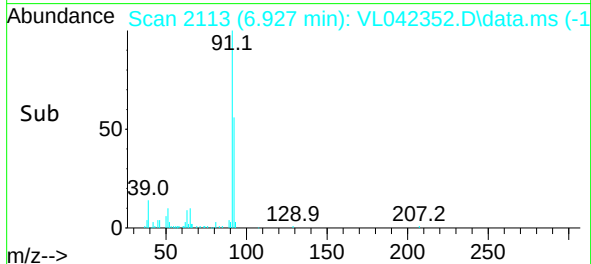
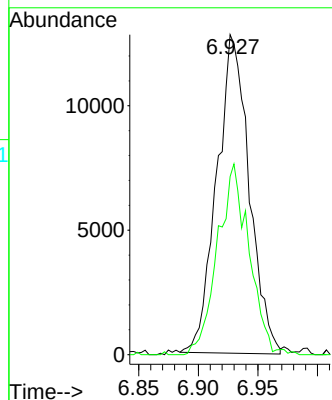
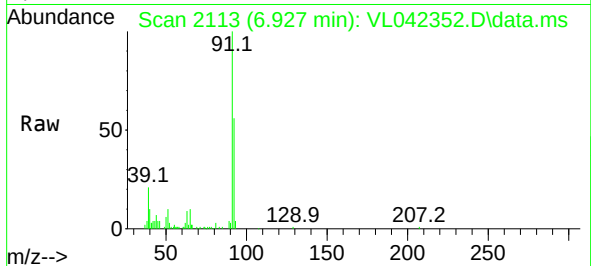
#53
Toluene
Concen: 0.529 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 24200
Ion Ratio Lower Upper
91 100
92 58.4 48.2 72.4

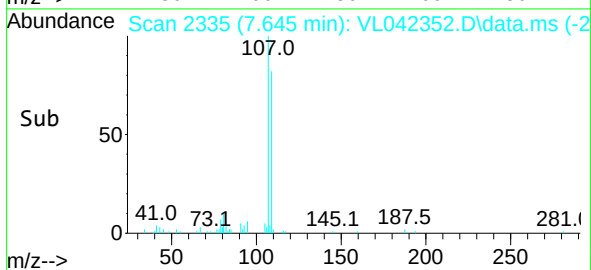
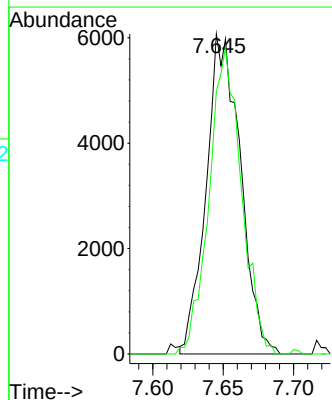
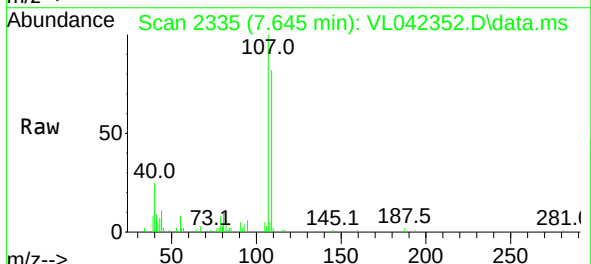
Manual Integrations
APPROVED

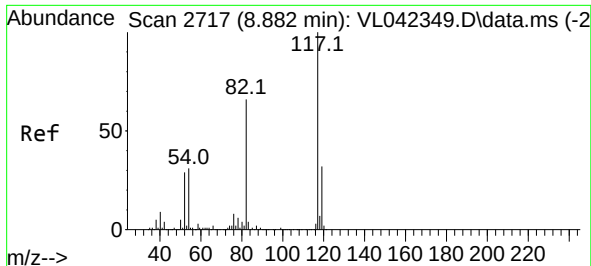
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#54
1,2-Dibromoethane
Concen: 0.499 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

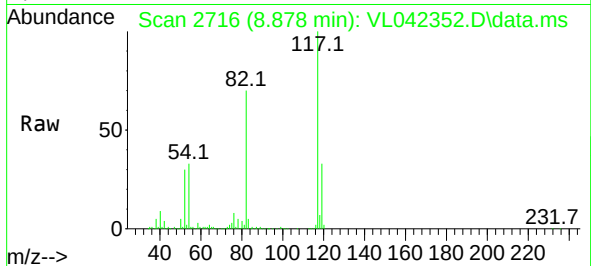
Tgt Ion:107 Resp: 10282
Ion Ratio Lower Upper
107 100
109 82.1 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

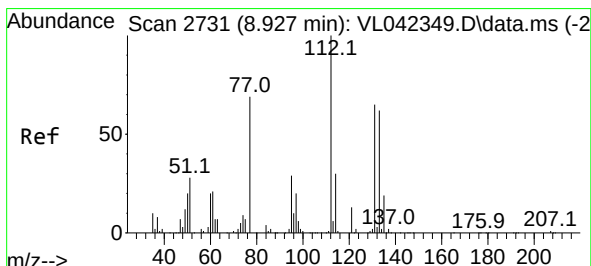
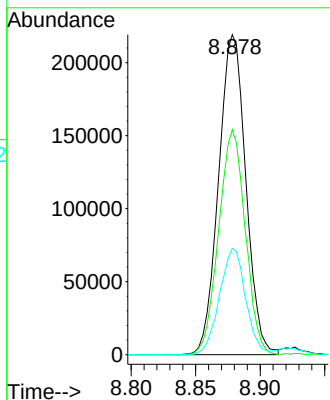
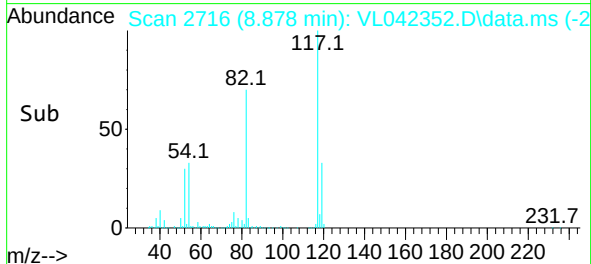
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 321644
Ion Ratio Lower Upper
117 100
82 69.0 57.8 86.6
119 33.8 25.2 37.8

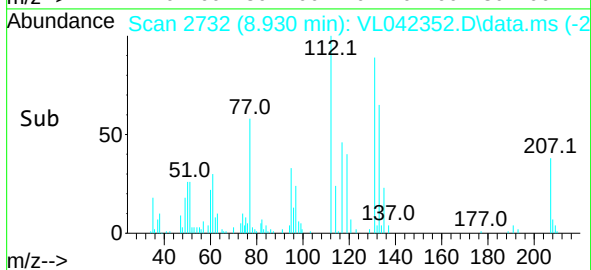
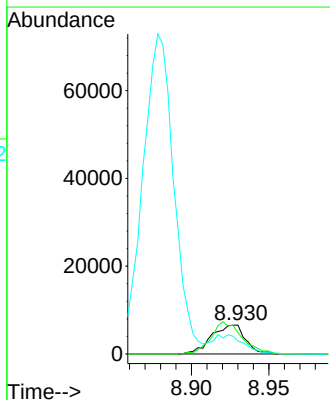
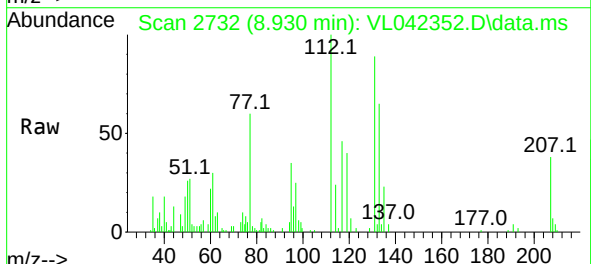
Manual Integrations
APPROVED

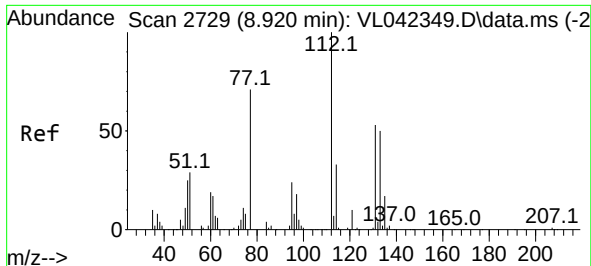
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

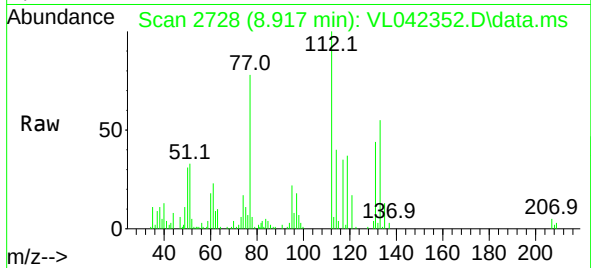
Tgt Ion:131 Resp: 9987
Ion Ratio Lower Upper
131 100
133 102.0 78.3 117.5
119 1087.9 48.7 73.1#





#57
Chlorobenzene
Concen: 0.543 ppbv m
RT: 8.917 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

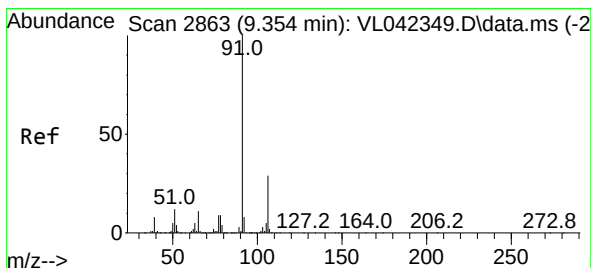
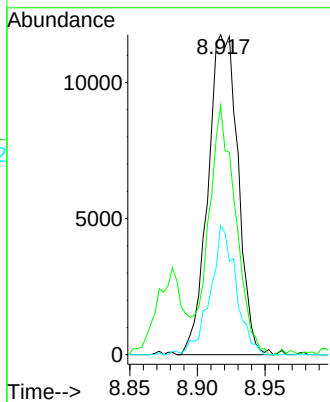
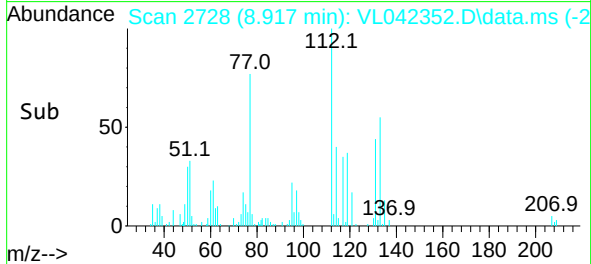
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 112 Resp: 18149
Ion Ratio Lower Upper
112 100
77 77.8 57.8 86.6
114 40.4 29.3 35.9

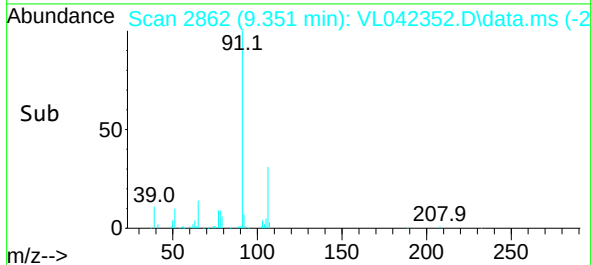
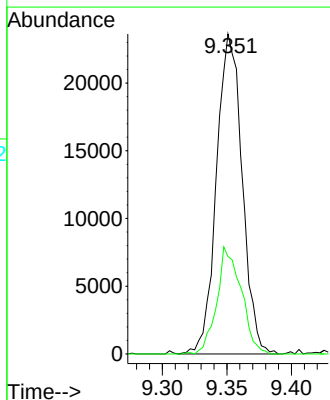
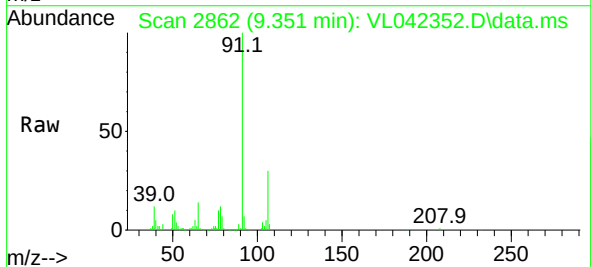
Manual Integrations
APPROVED

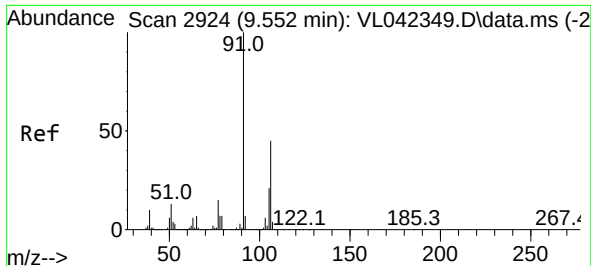
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 0.512 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 32624
Ion Ratio Lower Upper
91 100
106 30.5 23.0 34.4





#59

m/p-Xylene

Concen: 1.053 ppbv m

RT: 9.532 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 5419

Ion Ratio Lower Upper

91 100

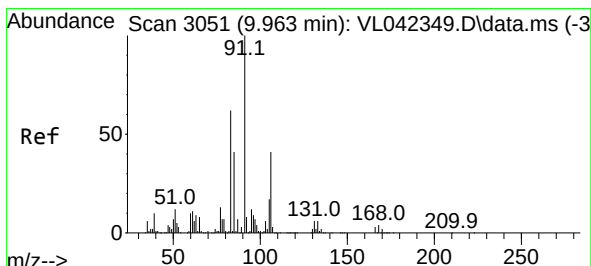
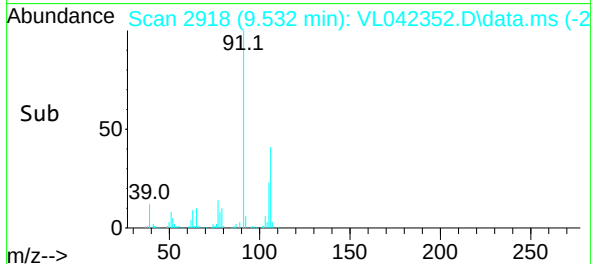
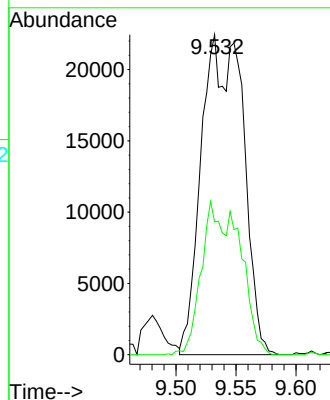
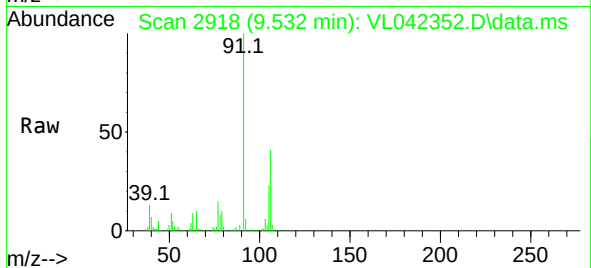
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 0.541 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042352.D

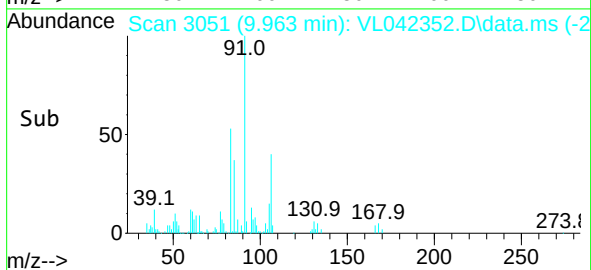
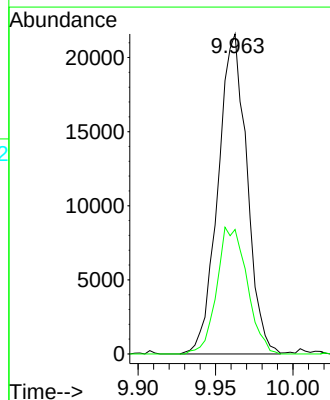
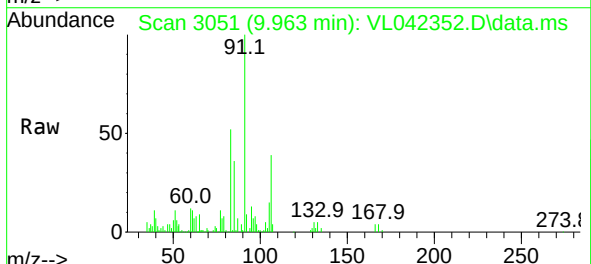
Acq: 17 Apr 2025 11:19

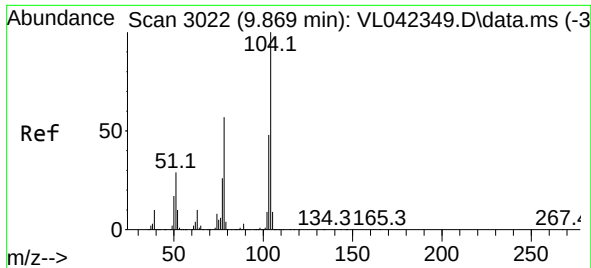
Tgt Ion: 91 Resp: 27983

Ion Ratio Lower Upper

91 100

106 41.6 21.1 63.4





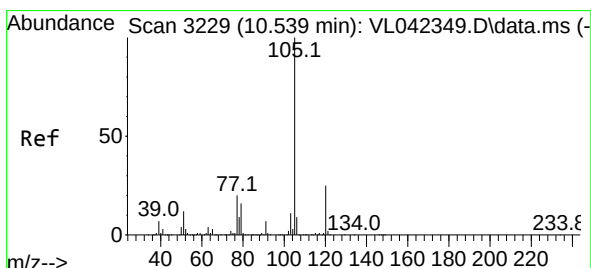
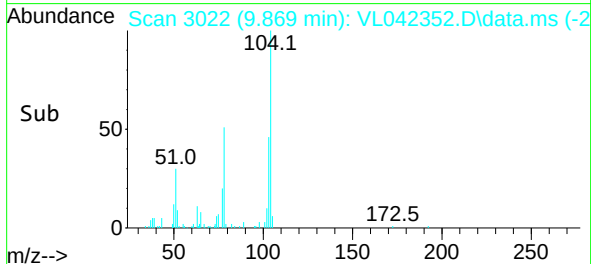
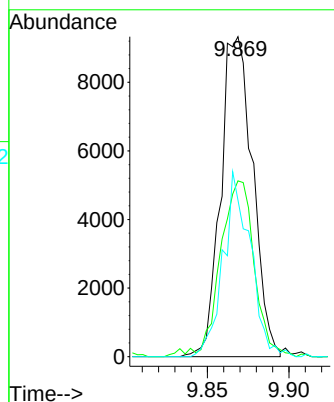
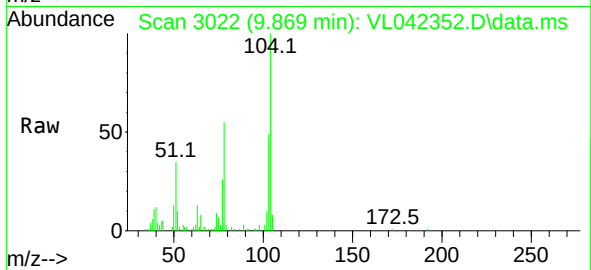
#61
Styrene
Concen: 0.516 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 12730
Ion Ratio Lower Upper
104 100
78 58.6 44.6 66.8
103 49.2 37.4 56.0

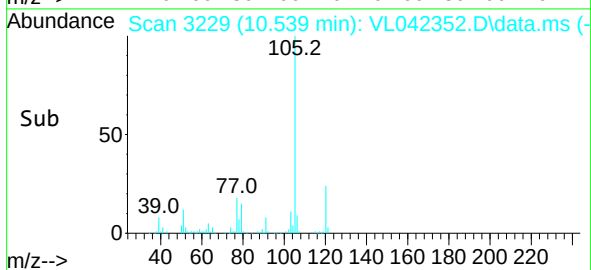
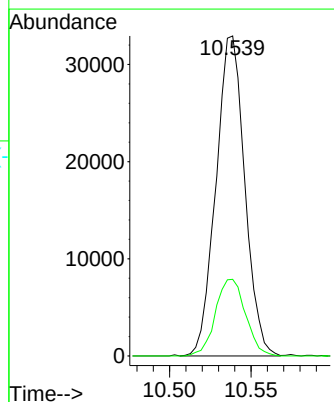
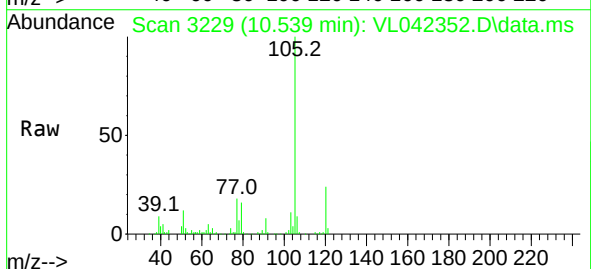
Manual Integrations
APPROVED

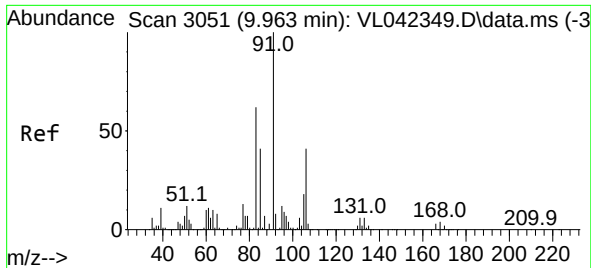
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 0.533 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

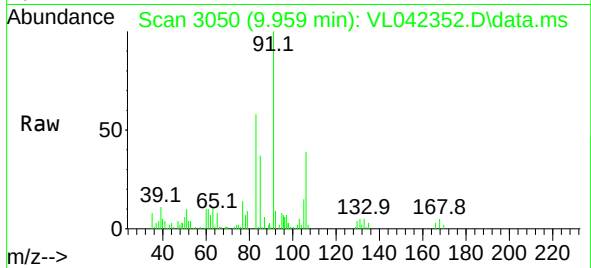
Tgt Ion:105 Resp: 40481
Ion Ratio Lower Upper
105 100
120 24.9 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.474 ppbv
RT: 9.959 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

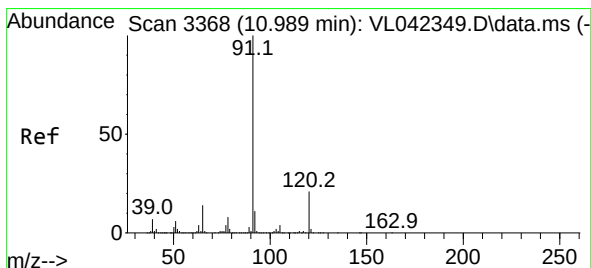
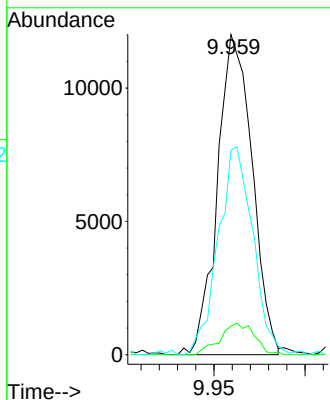
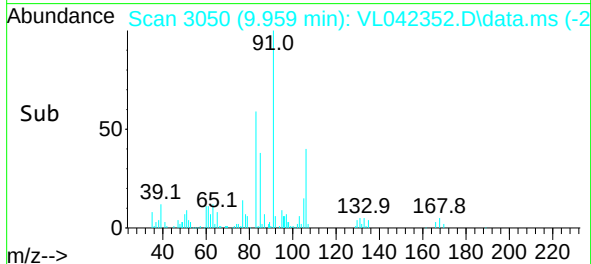
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



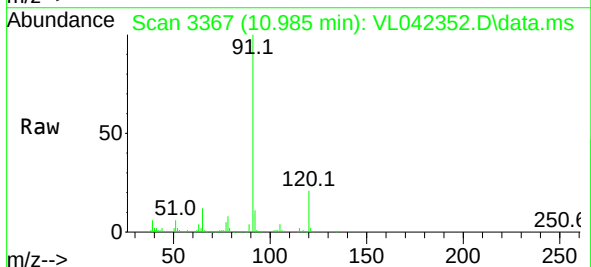
Tgt Ion: 83 Resp: 15920
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.7
85 65.6 32.4 97.0

Manual Integrations
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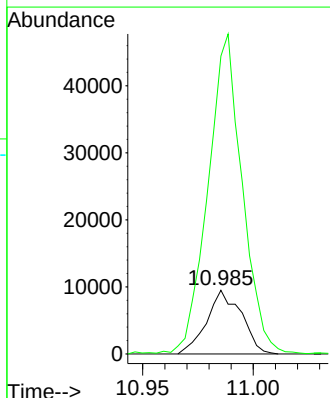
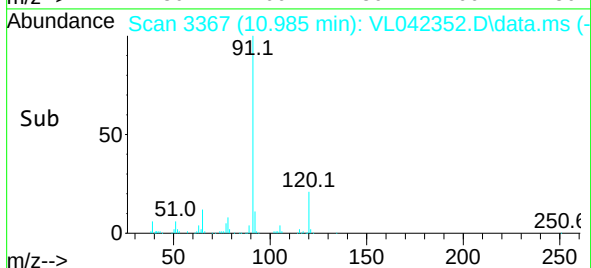
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

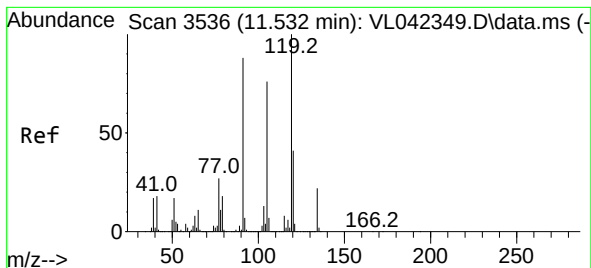


#64
n-propylbenzene
Concen: 0.544 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion:120 Resp: 10369
Ion Ratio Lower Upper
120 100
91 499.6 392.4 588.6





#65

tert-Butylbenzene

Concen: 0.535 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

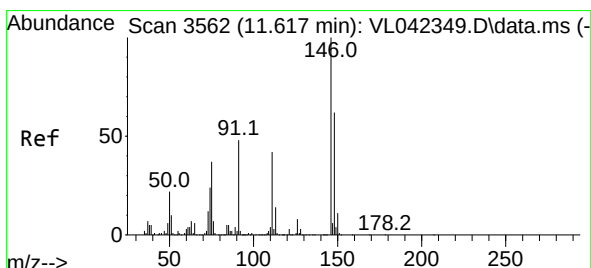
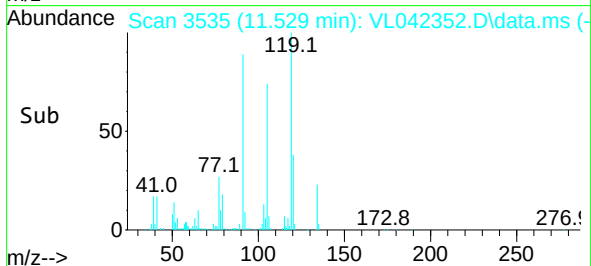
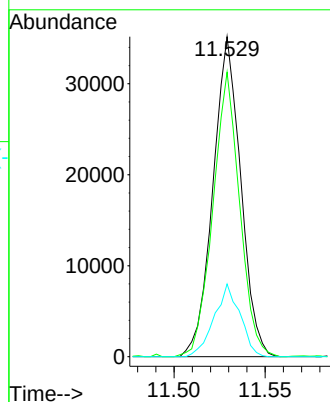
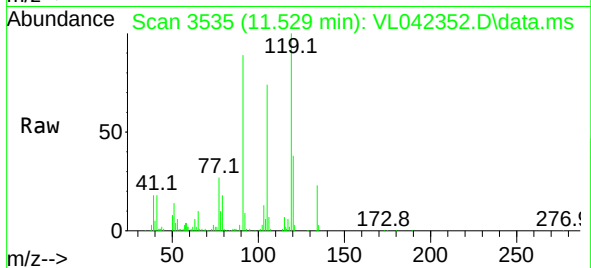
VSTDIC0.5

Tgt Ion:	119	Resp:	37294
Ion	Ratio	Lower	Upper
119	100		
91	85.8	74.6	111.8
134	21.1	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#66

Benzyl Chloride

Concen: 0.506 ppbv

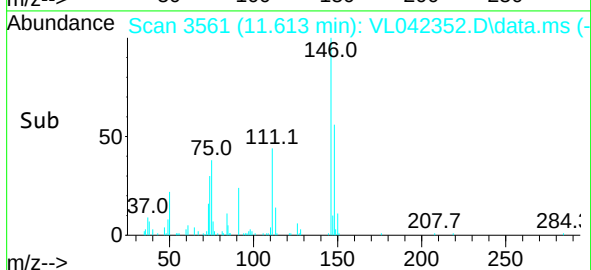
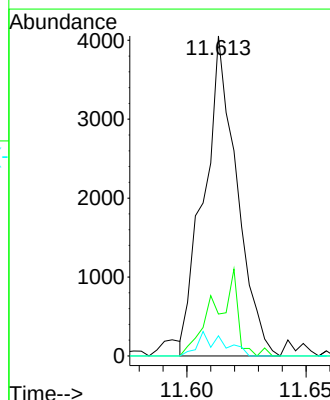
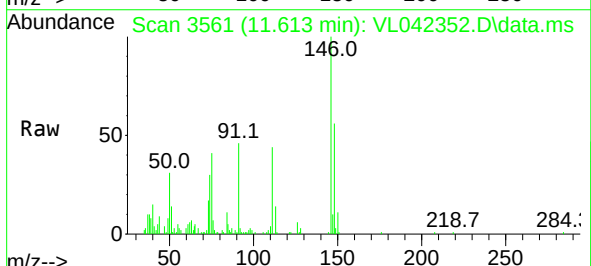
RT: 11.613 min Scan# 3561

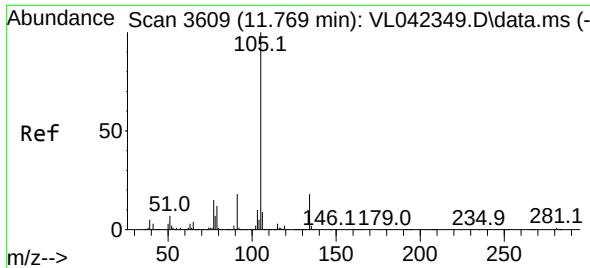
Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

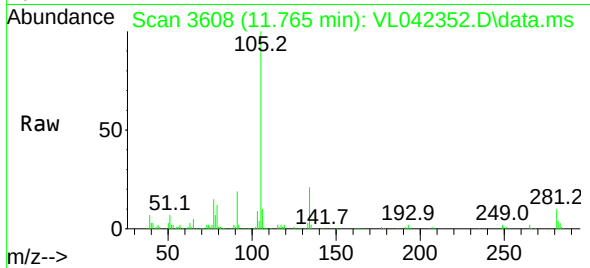
Tgt Ion:	91	Resp:	3878
Ion	Ratio	Lower	Upper
91	100		
126	19.8	11.8	17.6#
128	5.8	4.5	6.7





#67
sec-Butylbenzene
Concen: 0.537 ppbv
RT: 11.765 min Scan# 3608
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

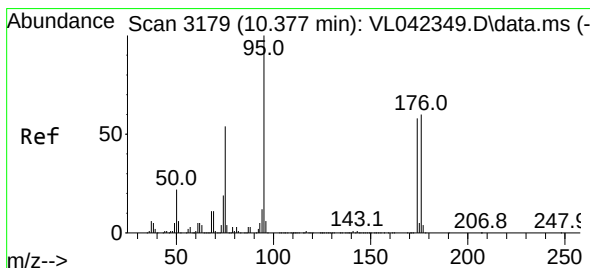
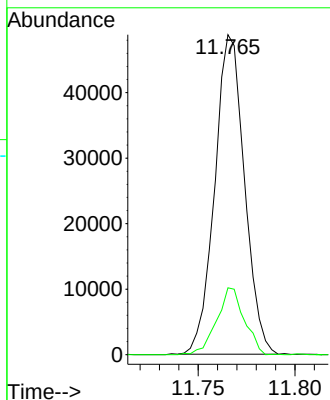
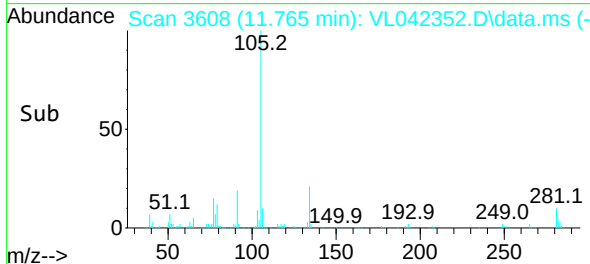
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:105 Resp: 52139
Ion Ratio Lower Upper
105 100
134 19.5 14.6 21.8

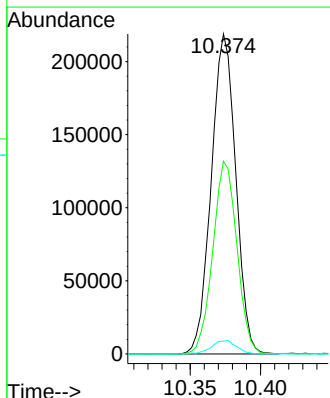
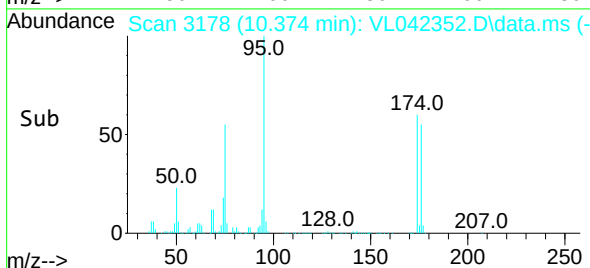
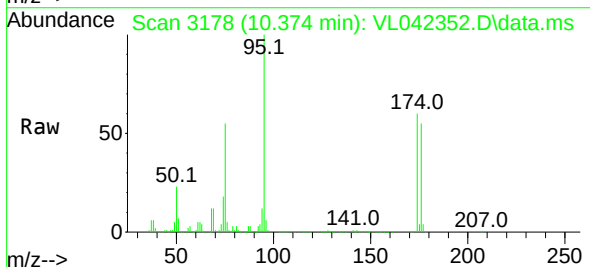
Manual Integrations
APPROVED

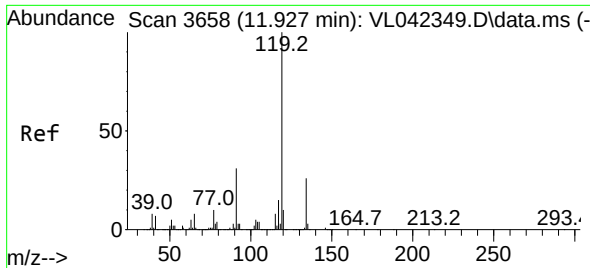
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

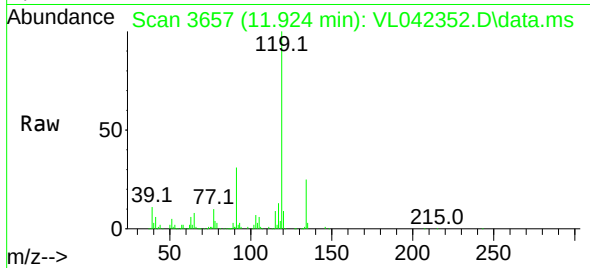
Tgt Ion: 95 Resp: 265161
Ion Ratio Lower Upper
95 100
174 59.4 48.5 72.7
175 4.3 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

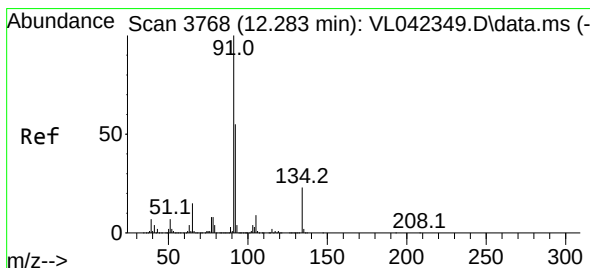
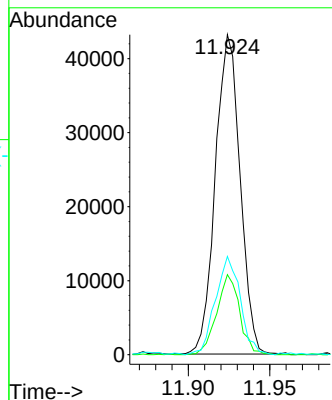
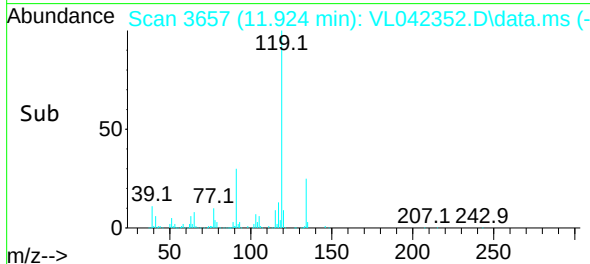
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



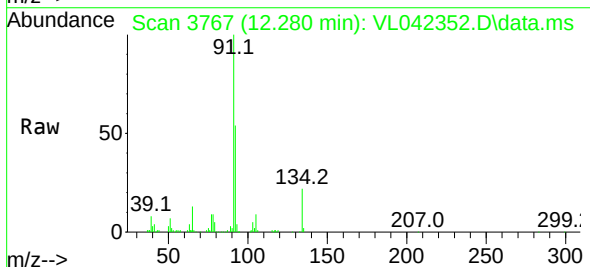
Tgt Ion:119 Resp: 45574
Ion Ratio Lower Upper
119 100
134 23.3 20.0 30.0
91 31.4 24.4 36.6

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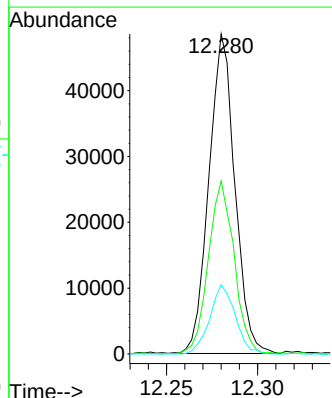
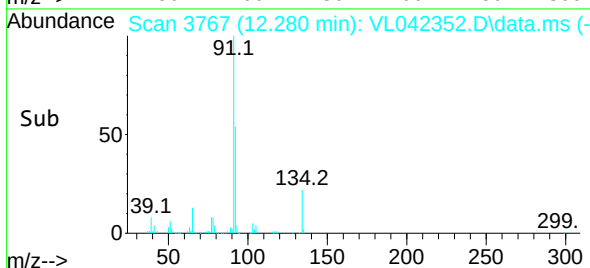
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

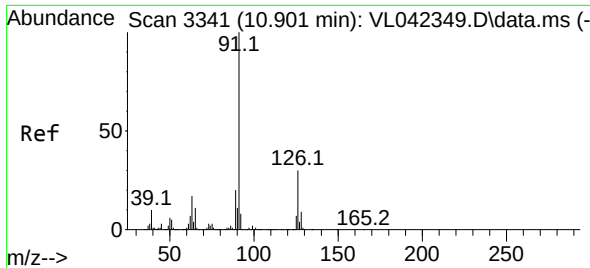


#70
n-Butylbenzene
Concen: 0.547 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 91 Resp: 48004
Ion Ratio Lower Upper
91 100
92 54.7 44.2 66.4
134 21.4 18.2 27.4





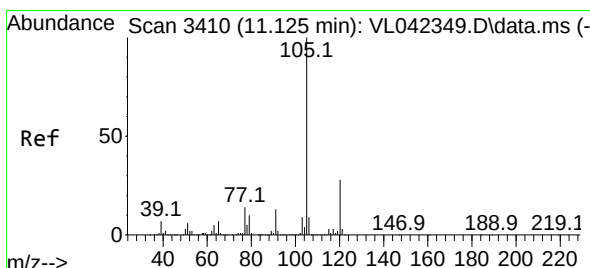
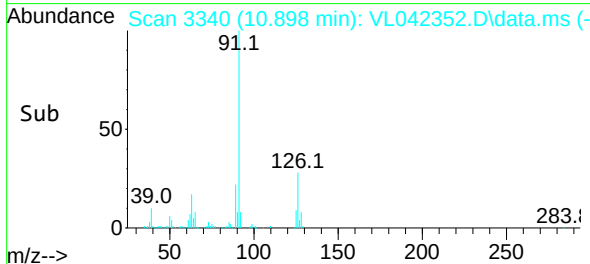
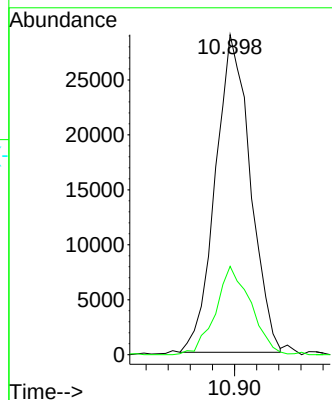
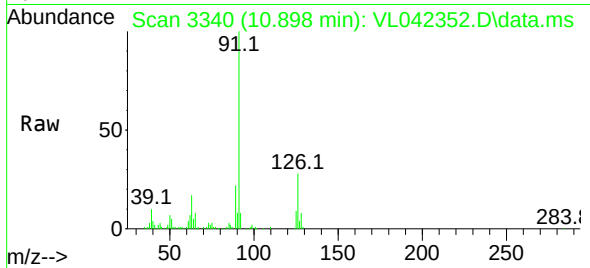
#71
2-Chlorotoluene
Concen: 0.533 ppbv
RT: 10.898 min Scan# 3170
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3170
Ion Ratio Lower Upper
91 100
126 28.3 11.4 45.4

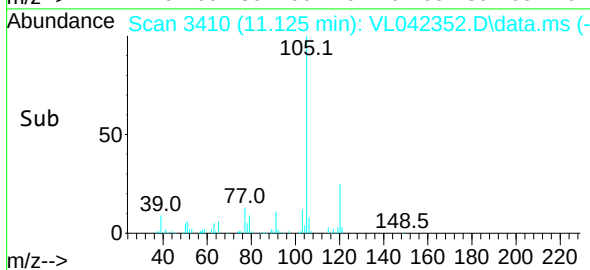
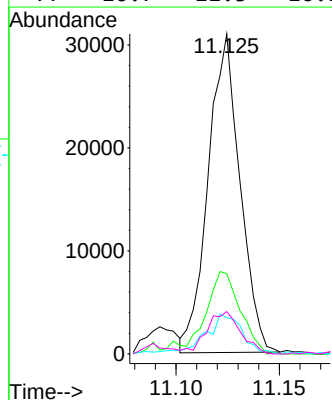
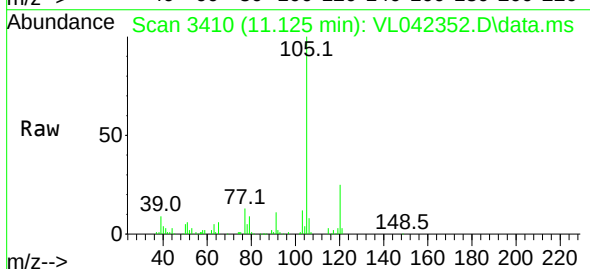
Manual Integrations
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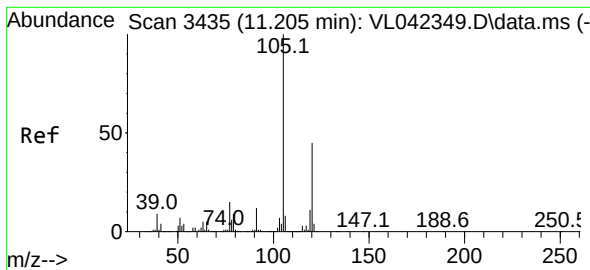
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 0.523 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 33048
Ion Ratio Lower Upper
105 100
120 30.5 23.2 34.8
91 15.7 10.4 15.6#
77 16.7 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 0.546 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 3046

Ion Ratio Lower Upper

105 100

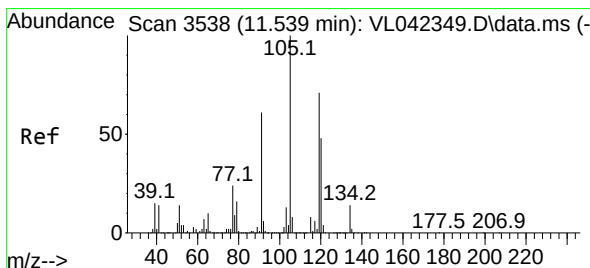
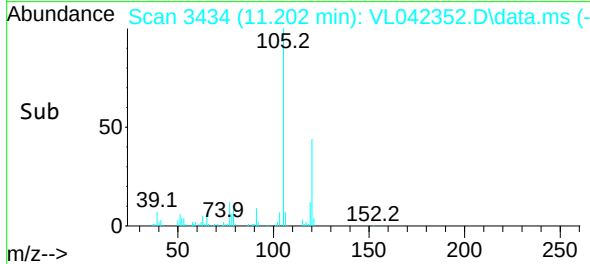
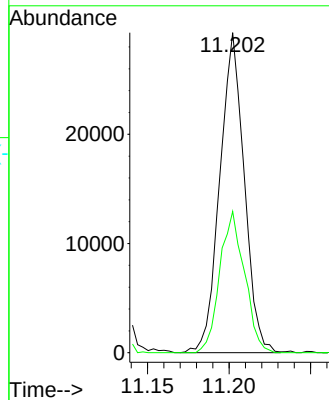
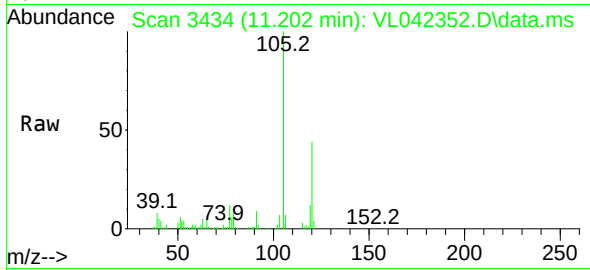
120 44.1 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.579 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 37765

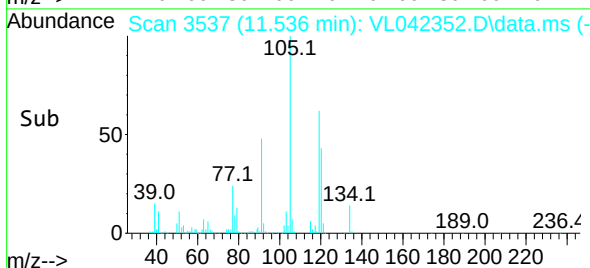
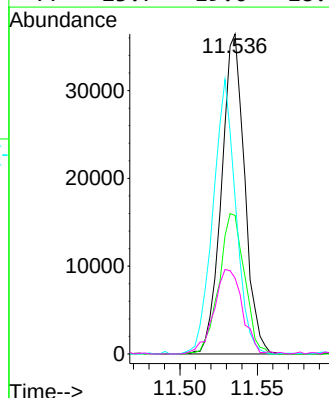
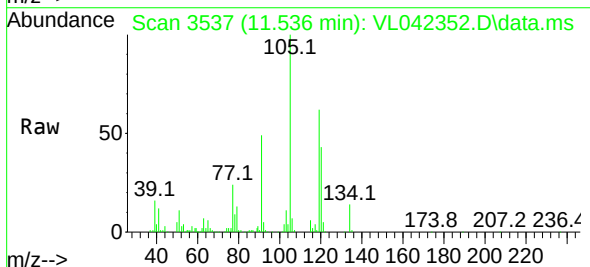
Ion Ratio Lower Upper

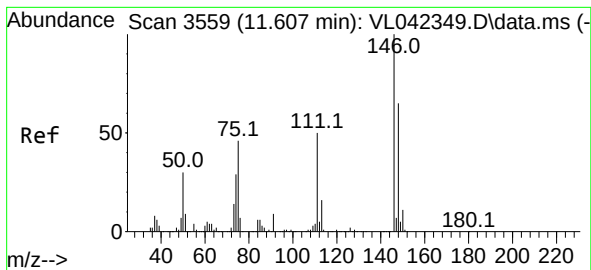
105 100

120 43.3 38.1 57.1

91 48.7 48.8 73.2#

77 23.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.531 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

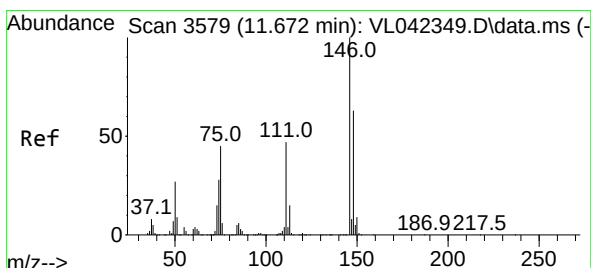
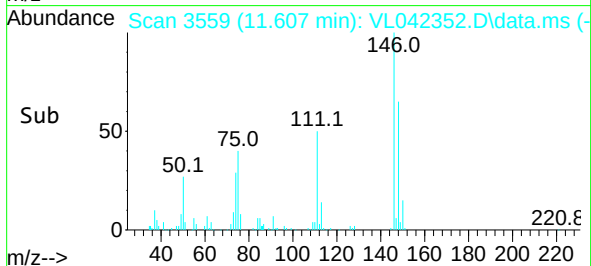
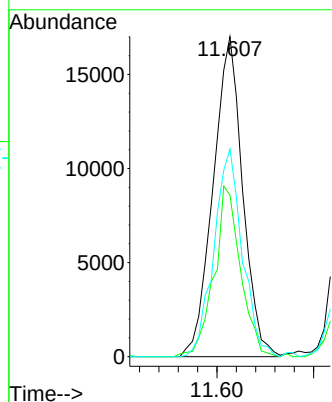
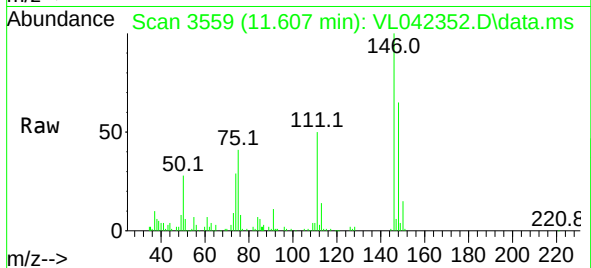
VSTDIC0.5

Tgt Ion:146	Resp:	1800
Ion Ratio	Lower	Upper
146	100	
111	47.9	24.3 72.8
148	62.9	31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 0.537 ppbv

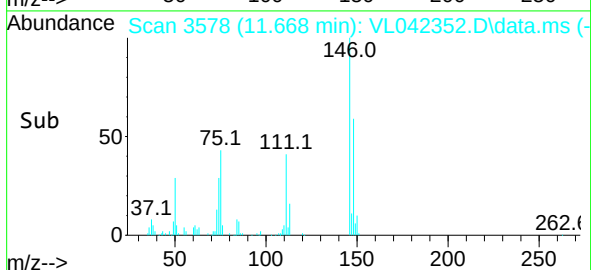
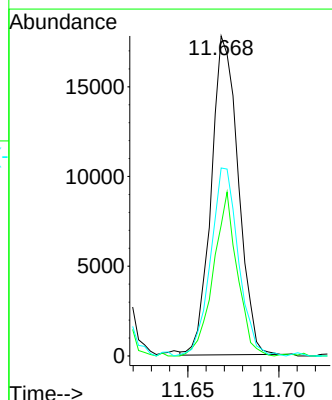
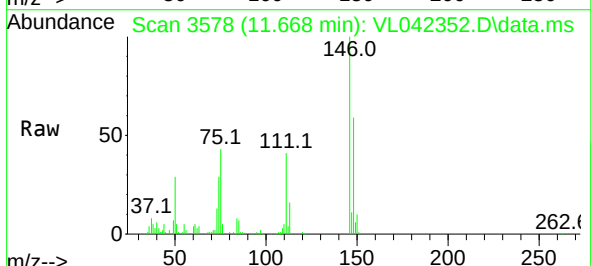
RT: 11.668 min Scan# 3578

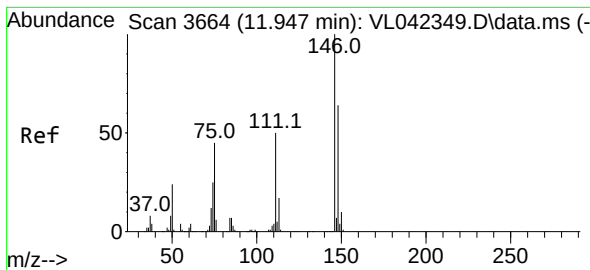
Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:146	Resp:	18300
Ion Ratio	Lower	Upper
146	100	
111	45.9	24.2 72.6
148	61.2	32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 0.530 ppbv

RT: 11.947 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:146 Resp: 17440

Ion Ratio Lower Upper

146 100

111 52.6 25.3 75.9

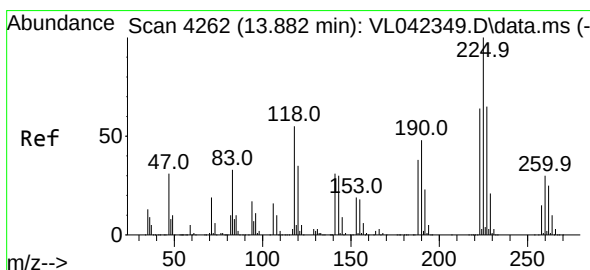
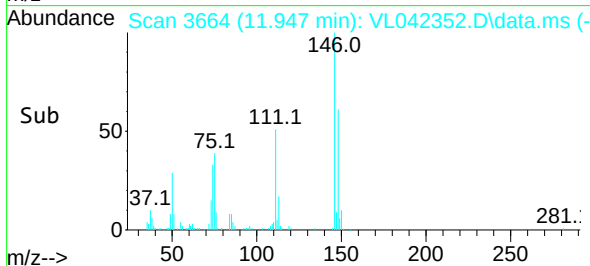
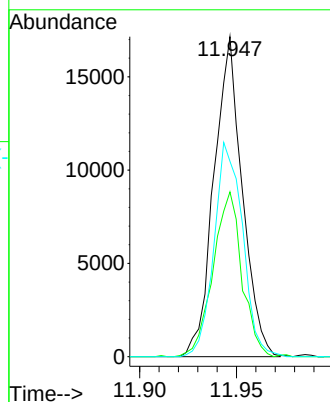
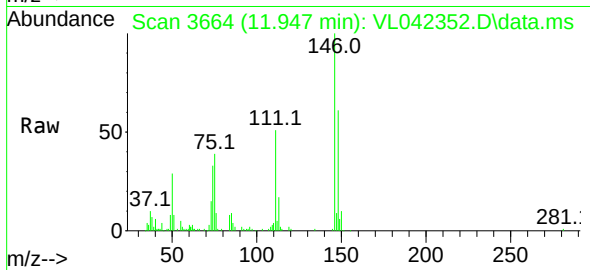
148 67.5 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.562 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

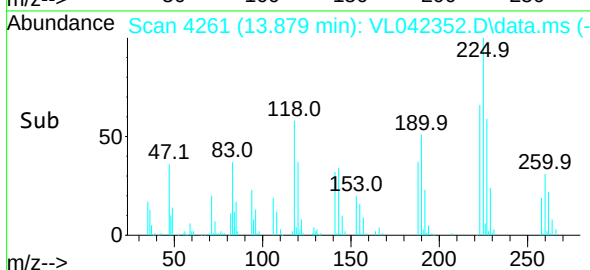
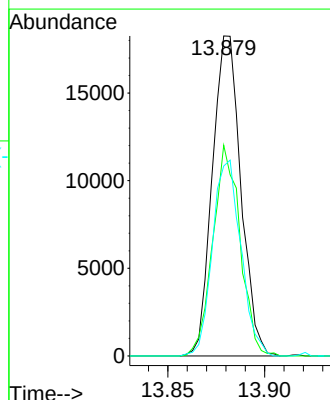
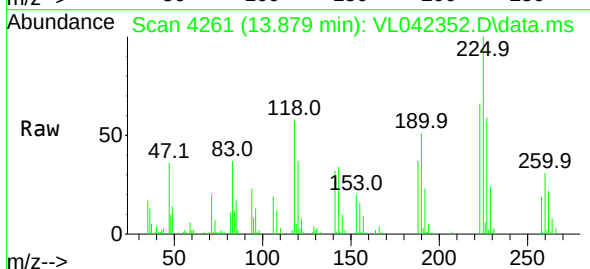
Tgt Ion:225 Resp: 18705

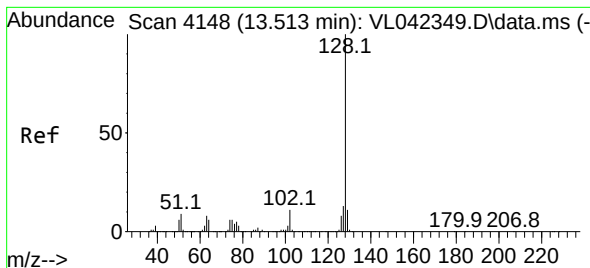
Ion Ratio Lower Upper

225 100

223 62.8 50.3 75.5

227 61.1 51.5 77.3





#79

Naphthalene

Concen: 0.494 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

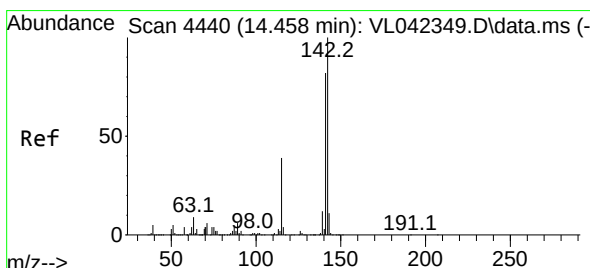
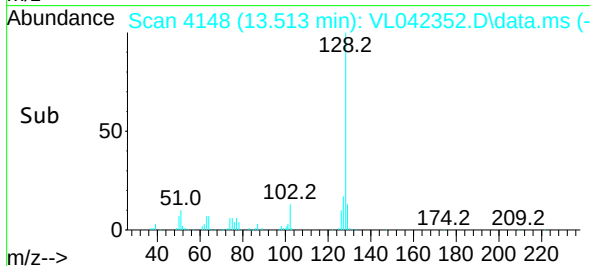
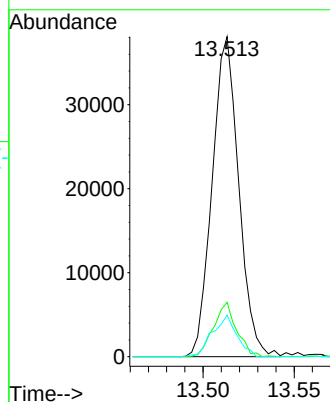
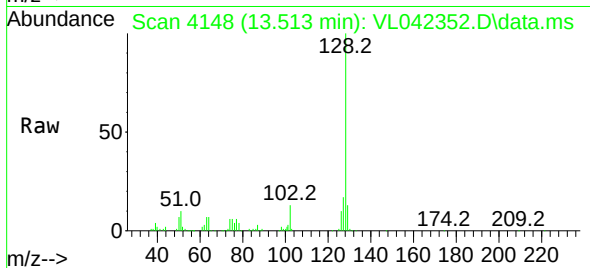
VSTDIC0.5

Tgt Ion:128	Resp:	3852
Ion Ratio	Lower	Upper
128	100	
127	17.0	10.6 15.8
129	13.0	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#80

Naphthalene,2-methyl-

Concen: 0.475 ppbv

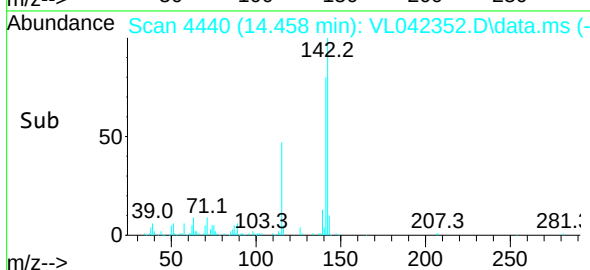
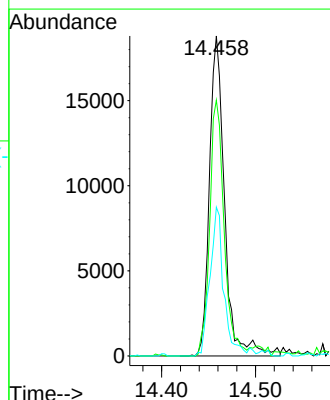
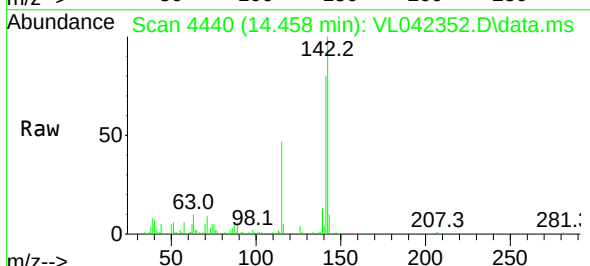
RT: 14.458 min Scan# 4440

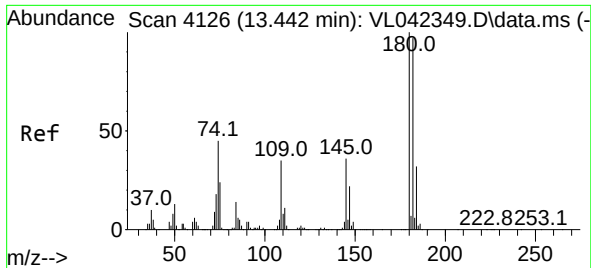
Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:142	Resp:	21076
Ion Ratio	Lower	Upper
142	100	
141	79.2	66.8 100.2
115	44.1	33.4 50.2





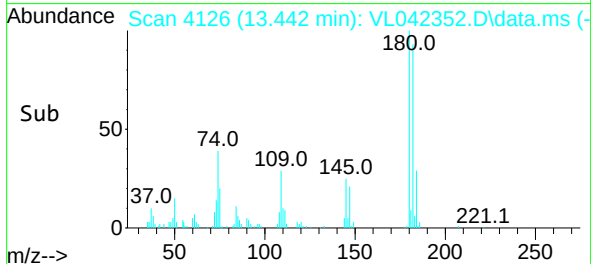
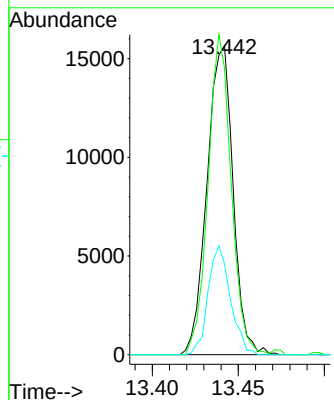
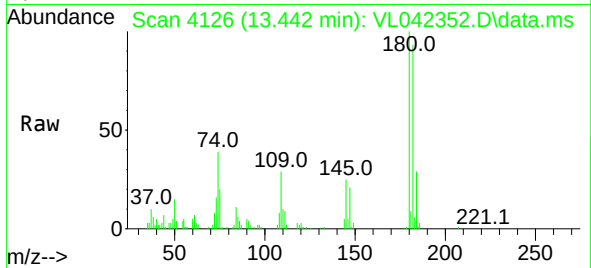
#81
 1,2,4-Trichlorobenzene
 Concen: 0.493 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Tgt Ion:180 Resp: 16504
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.8 115.2
 184 30.2 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042353.D
 Acq On : 17 Apr 2025 11:50
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:29:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	119461	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	350484	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	315004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	256417	9.906	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	1088	0.120	ppbv #	74
32) 1,1,1-Trichloroethane	3.367	97	3393m	0.115	ppbv	
35) Carbon Tetrachloride	3.771	117	3204	0.101	ppbv #	94
38) Trichloroethene	4.551	130	1771m	0.107	ppbv	
52) Tetrachloroethene	8.222	164	1583m	0.108	ppbv	
54) 1,2-Dibromoethane	7.662	107	2177m	0.106	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3706m	0.113	ppbv	
79) Naphthalene	13.517	128	7664	0.100	ppbv #	92

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

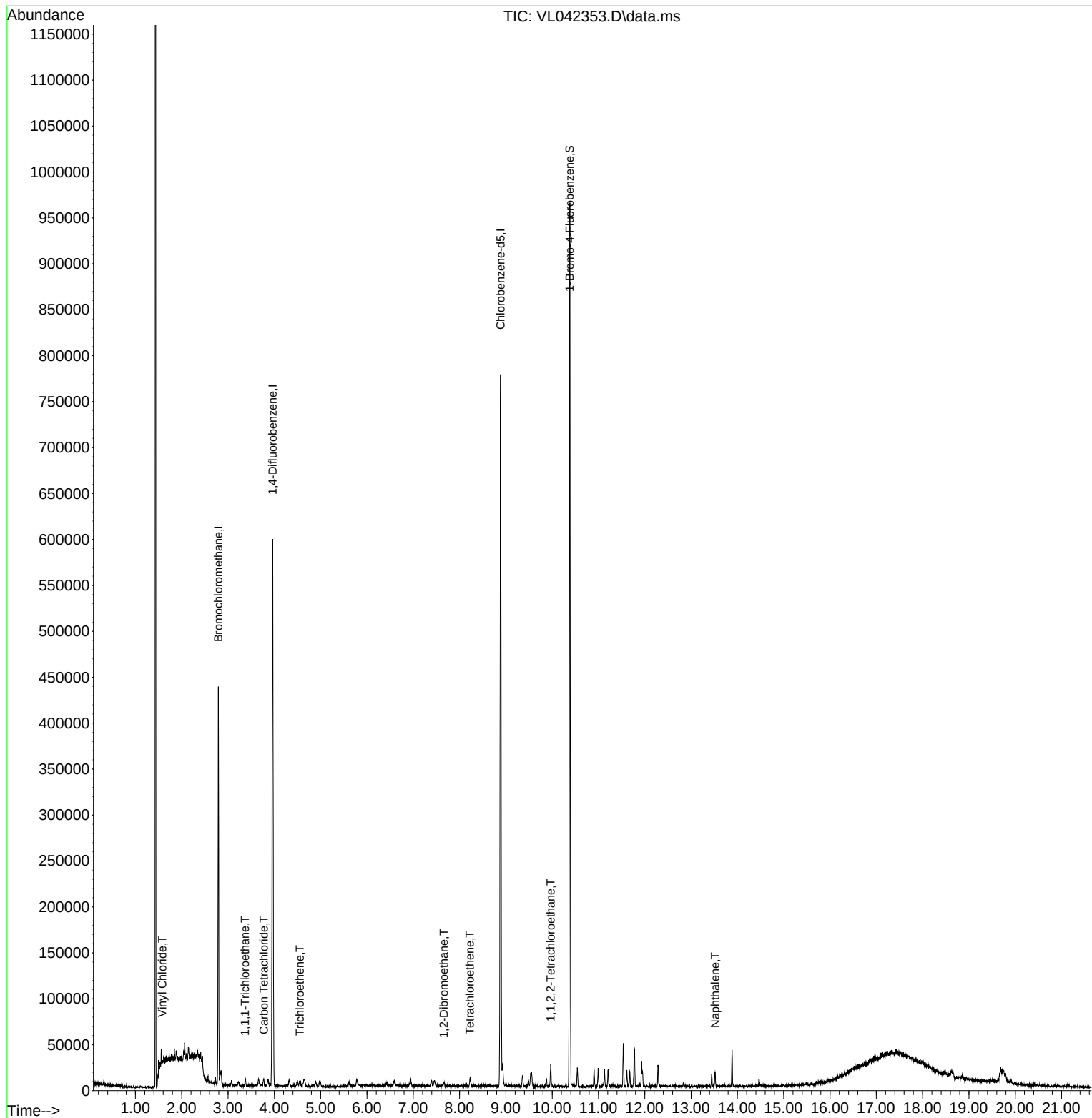
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

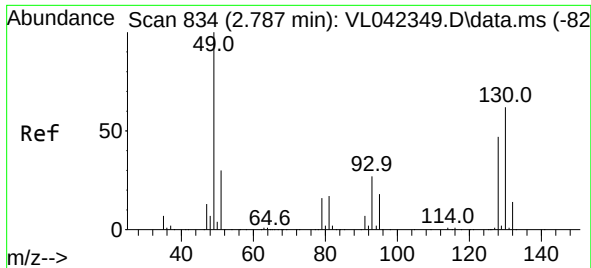
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

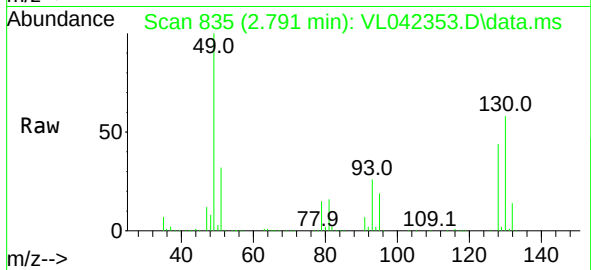
Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 834
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

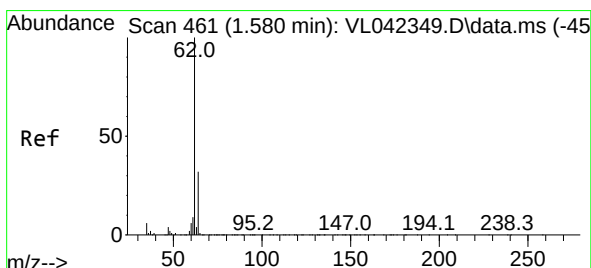
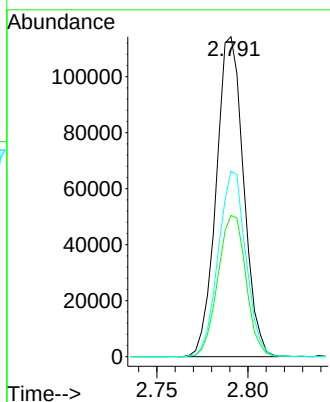
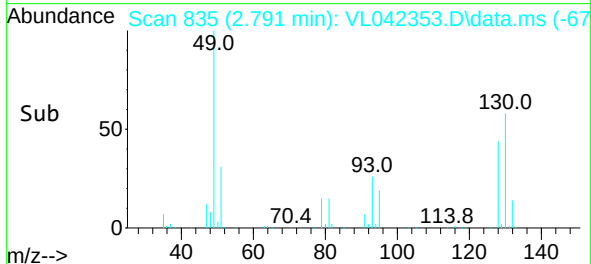
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 11946
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 58.3 29.3 88.0

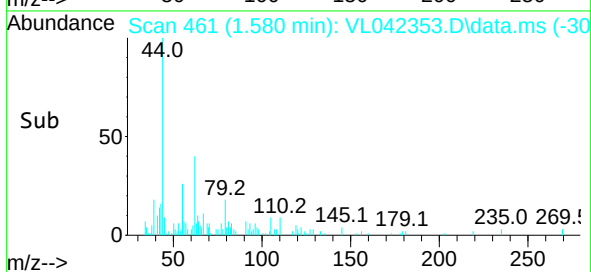
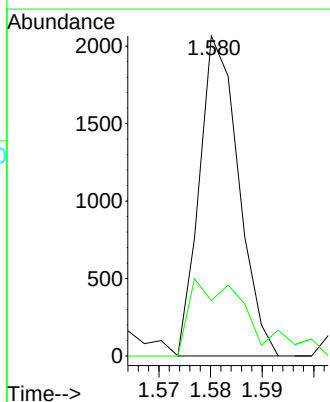
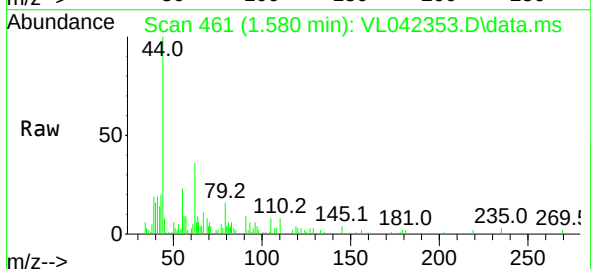
Manual Integrations
APPROVED

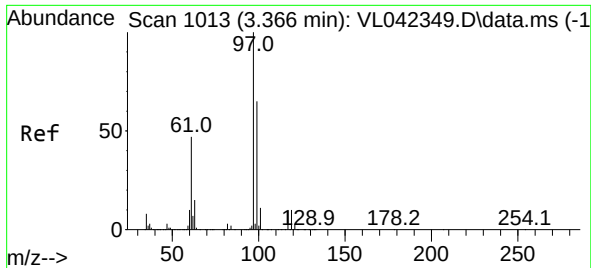
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#5
Vinyl Chloride
Concen: 0.120 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 62 Resp: 1088
Ion Ratio Lower Upper
62 100
64 17.3 25.4 38.0#





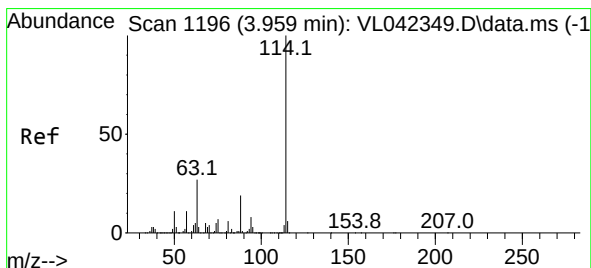
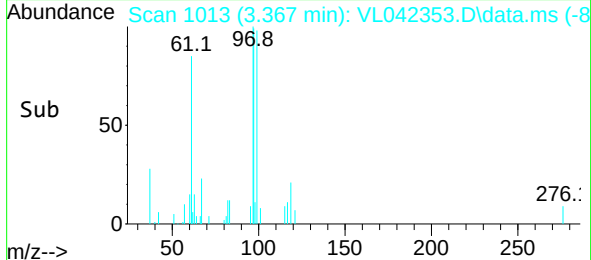
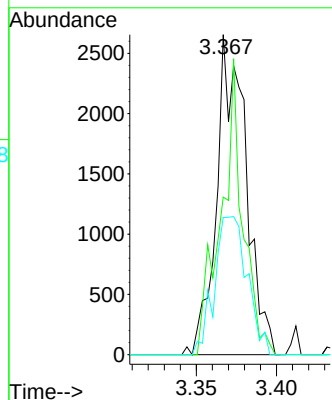
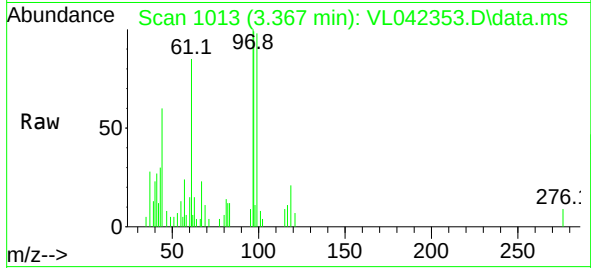
#32
1,1,1-Trichloroethane
Concen: 0.115 ppbv m
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 97 Resp: 339
Ion Ratio Lower Upper
97 100
99 68.2 51.0 76.4
61 47.9 38.8 58.2

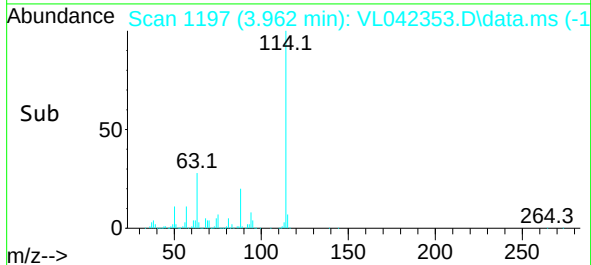
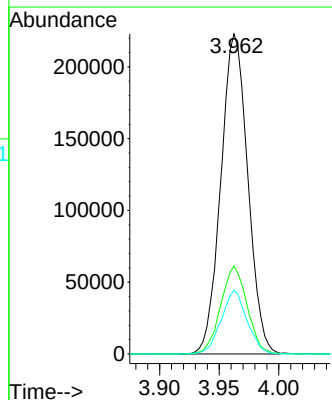
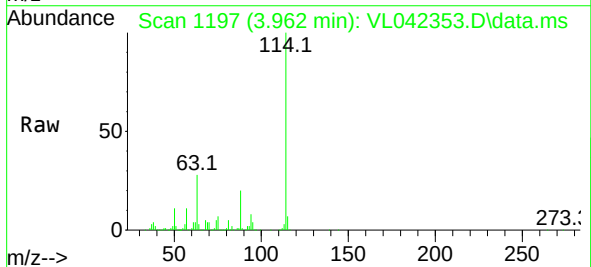
Manual Integrations
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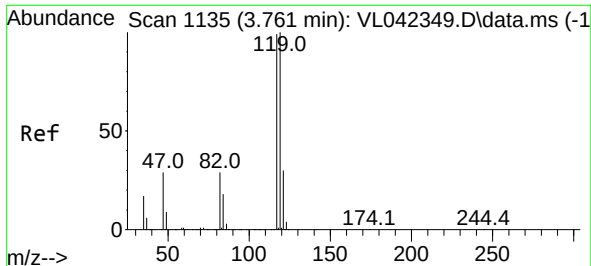
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

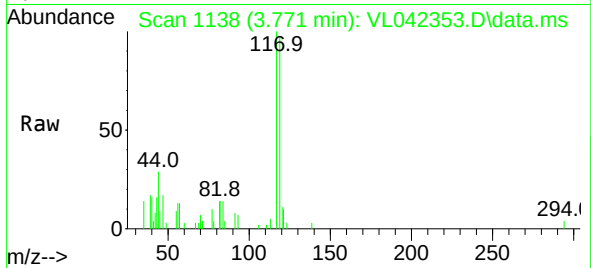
Tgt Ion:114 Resp: 350484
Ion Ratio Lower Upper
114 100
63 26.9 21.8 32.6
88 19.1 15.5 23.3





#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 3.771 min Scan# 1135
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

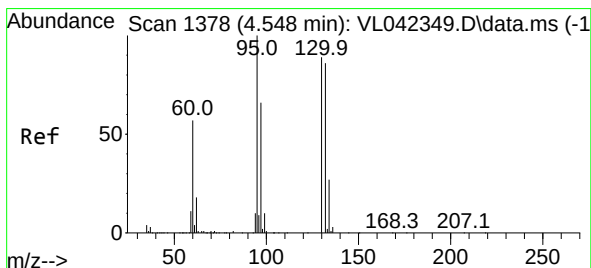
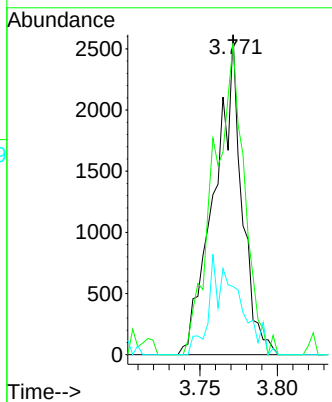
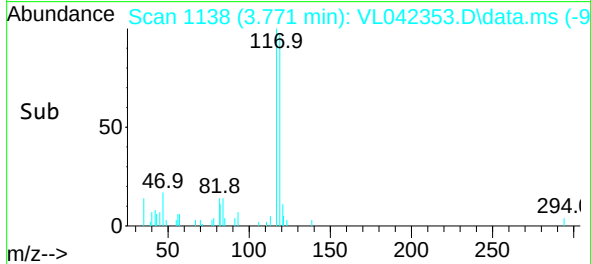
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:117 Resp: 3204
Ion Ratio Lower Upper
117 100
119 97.3 80.5 120.7
121 21.3 24.2 36.2

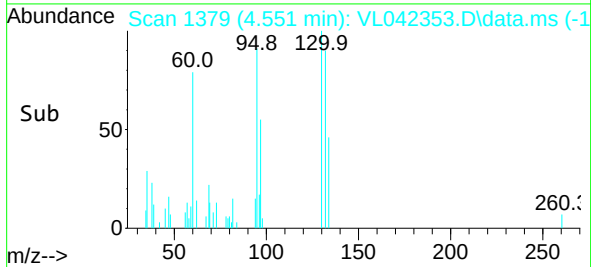
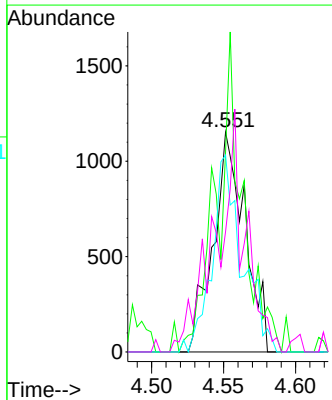
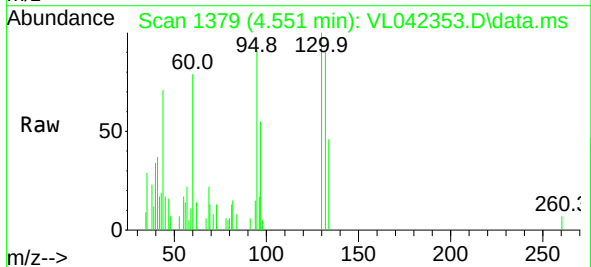
Manual Integrations
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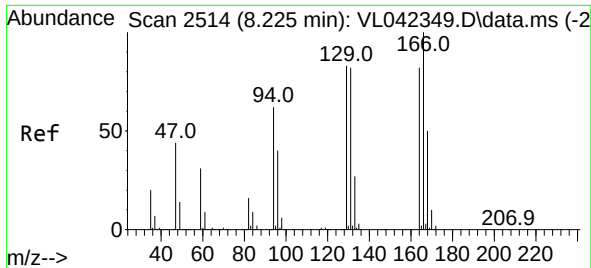
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#38
Trichloroethene
Concen: 0.107 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

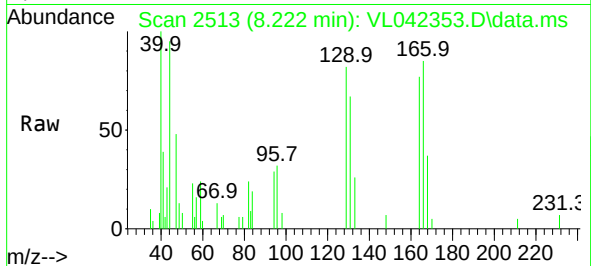
Tgt Ion:130 Resp: 1771
Ion Ratio Lower Upper
130 100
95 90.9 89.8 134.6
132 89.6 77.7 116.5
97 54.7 59.4 89.2





#52
Tetrachloroethene
Concen: 0.108 ppbv m
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

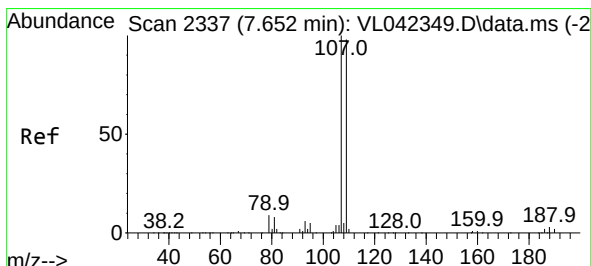
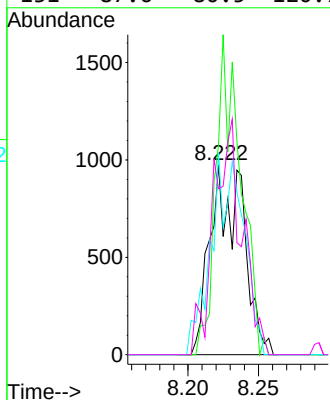
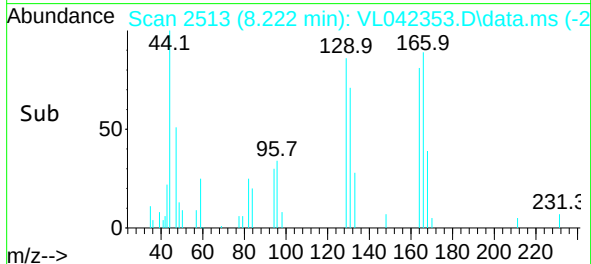
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.1



Tgt Ion:164 Resp: 158
Ion Ratio Lower Upper
164 100
166 110.6 98.2 147.2
129 106.5 81.8 122.8
131 87.6 80.5 120.7

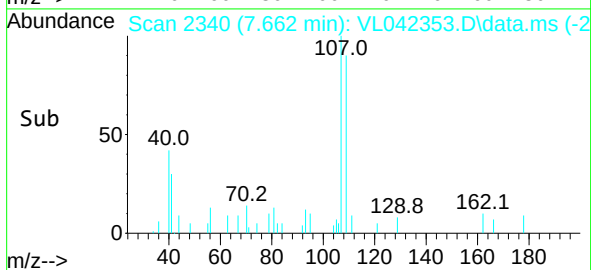
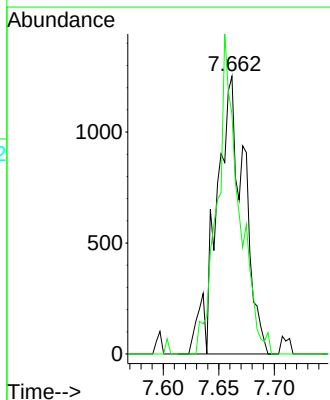
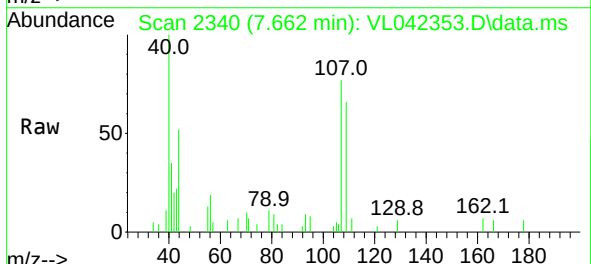
Manual Integrations
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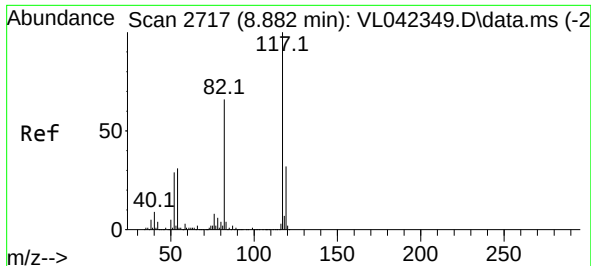
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#54
1,2-Dibromoethane
Concen: 0.106 ppbv m
RT: 7.662 min Scan# 2340
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:107 Resp: 2177
Ion Ratio Lower Upper
107 100
109 86.3 78.2 117.4





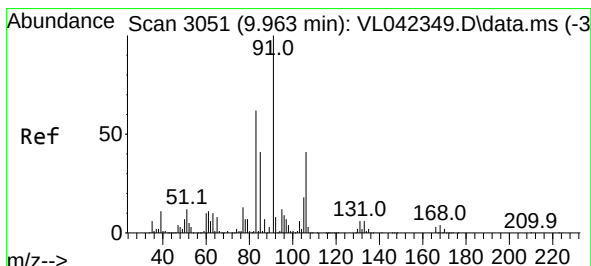
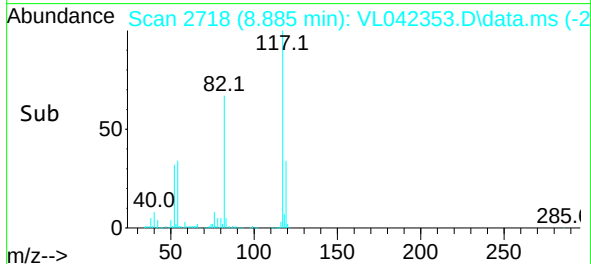
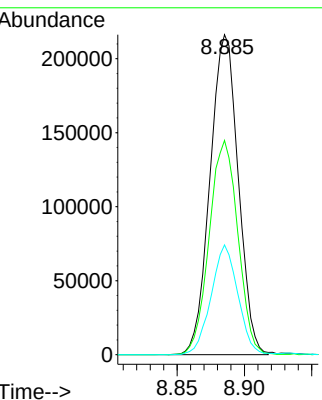
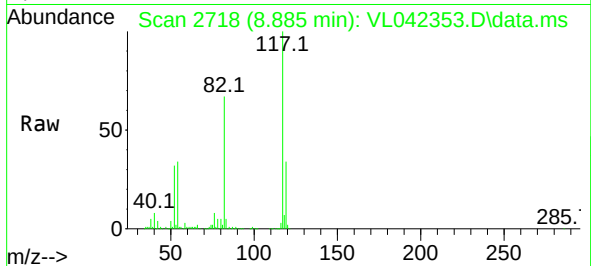
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 117 Resp: 315004
Ion Ratio Lower Upper
117 100
82 68.1 57.8 86.6
119 33.0 25.2 37.8

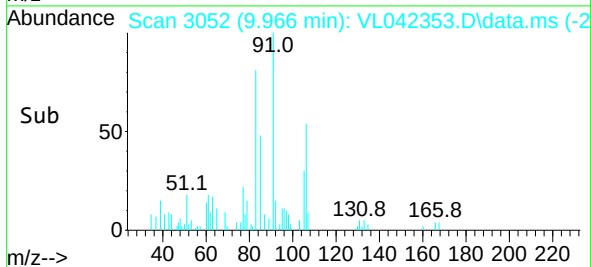
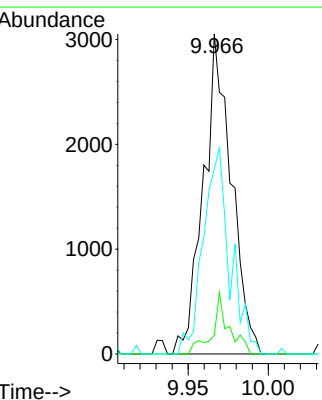
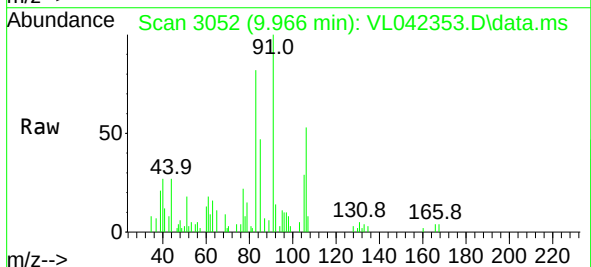
Manual Integrations
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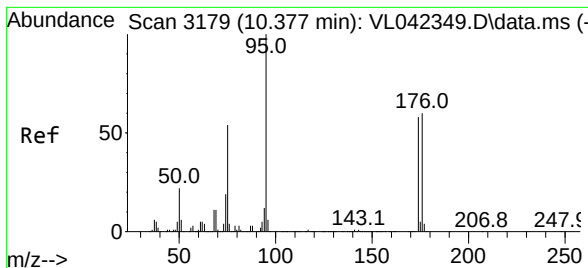
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv m
RT: 9.966 min Scan# 3052
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

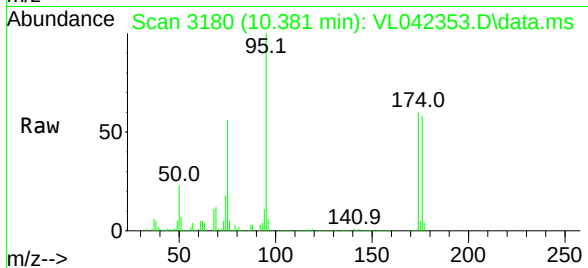
Tgt Ion: 83 Resp: 3706
Ion Ratio Lower Upper
83 100
131 11.2 4.5 13.7
85 61.7 32.4 97.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.906 ppbv
RT: 10.381 min Scan# 3179
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

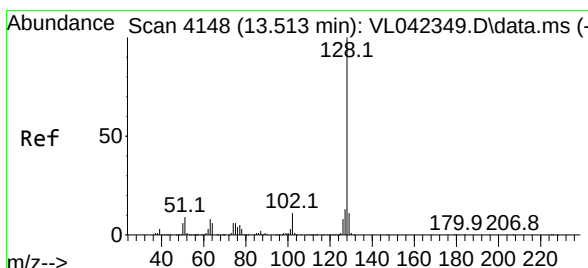
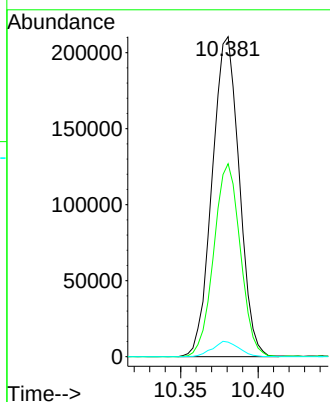
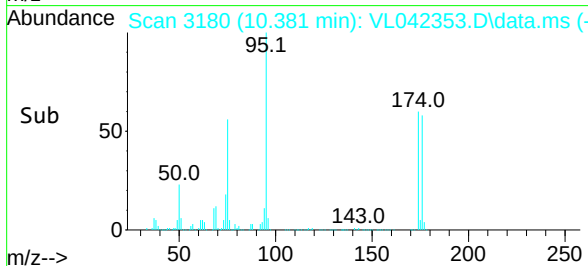
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



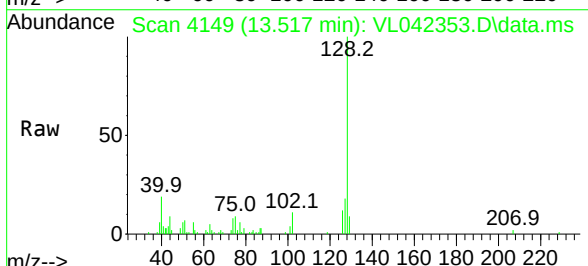
Tgt Ion: 95 Resp: 25641
Ion Ratio Lower Upper
95 100
174 59.3 48.5 72.7
175 4.7 3.7 5.5

Manual Integrations
APPROVED

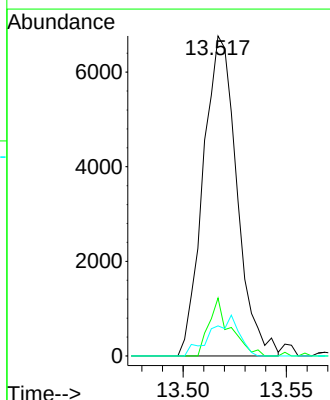
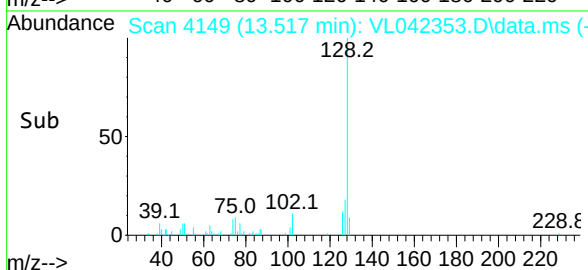
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#79
Naphthalene
Concen: 0.100 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50



Tgt Ion:128 Resp: 7664
Ion Ratio Lower Upper
128 100
127 18.1 10.6 15.8#
129 9.4 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042354.D
 Acq On : 17 Apr 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:07:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	349264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	312999	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	256230	9.962	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	361	0.040	ppbv	# 76
32) 1,1,1-Trichloroethane	3.373	97	1120m	0.038	ppbv	
35) Carbon Tetrachloride	3.768	117	1382m	0.044	ppbv	
38) Trichloroethene	4.538	130	674m	0.041	ppbv	
52) Tetrachloroethene	8.228	164	569m	0.039	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	1321m	0.040	ppbv	

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

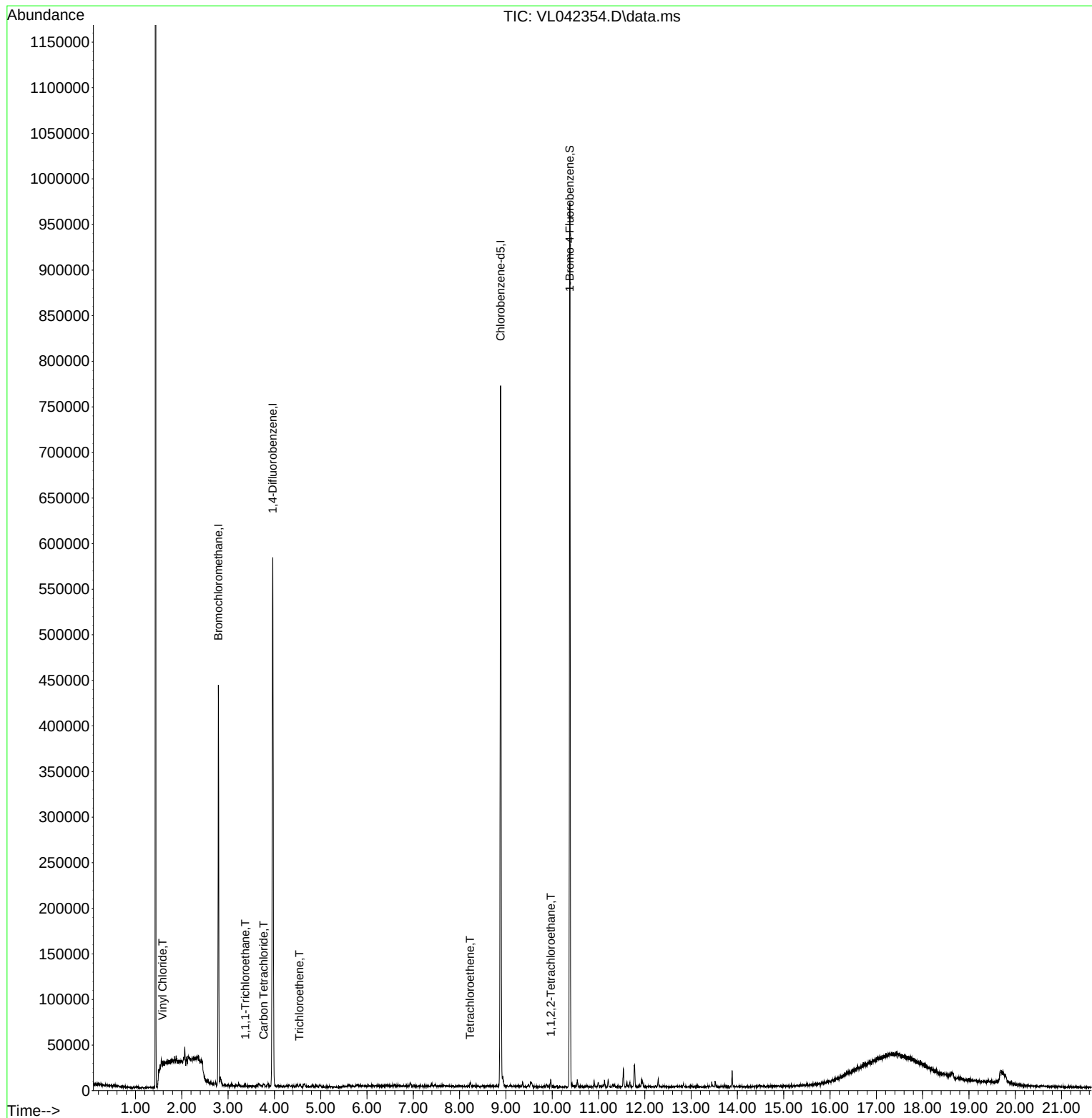
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

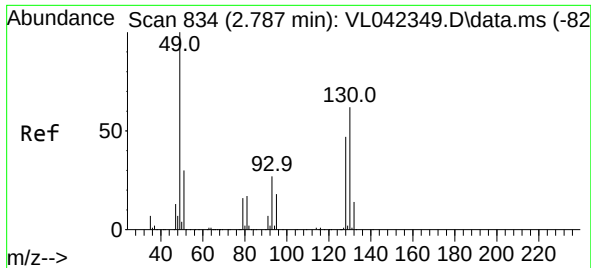
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

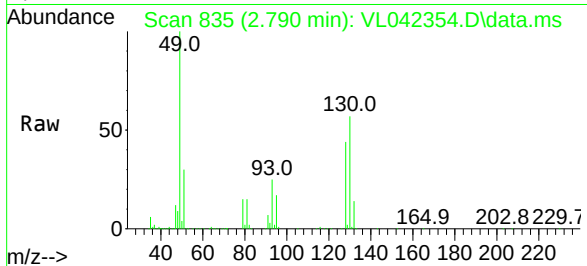
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

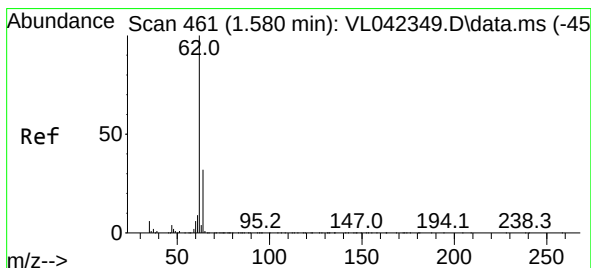
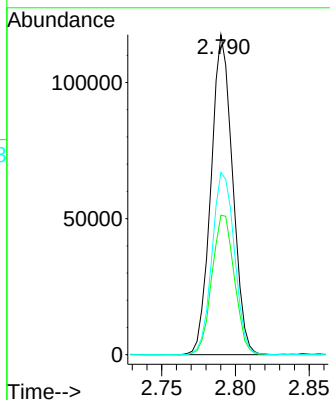
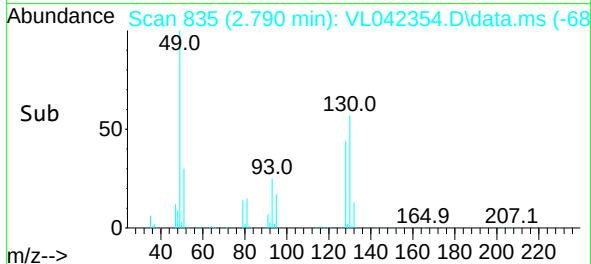
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 49 Resp: 12004
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 59.0 29.3 88.0

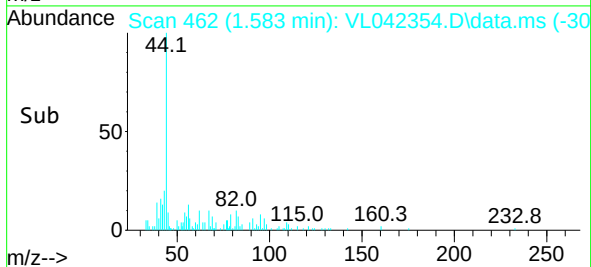
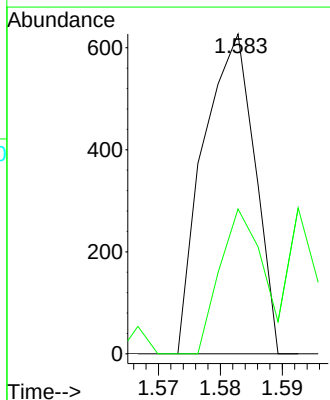
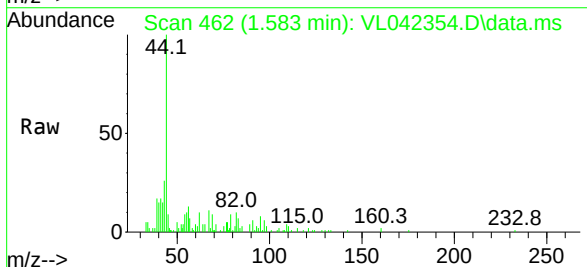
Manual Integrations
APPROVED

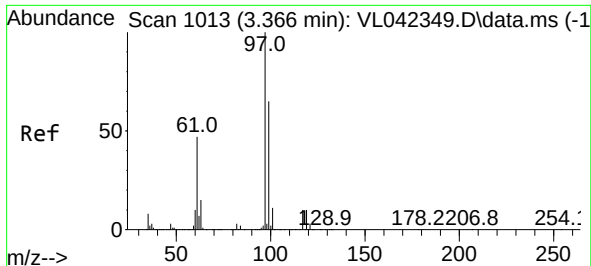
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

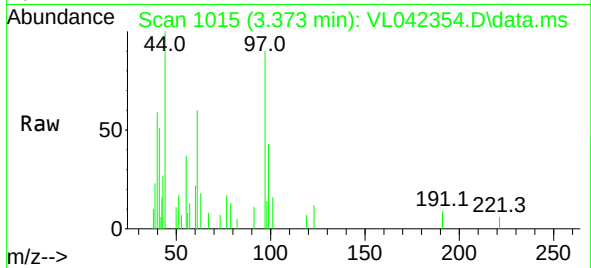
Tgt Ion: 62 Resp: 361
Ion Ratio Lower Upper
62 100
64 45.3 25.4 38.0#





#32
 1,1,1-Trichloroethane
 Concen: 0.038 ppbv m
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.006 min
 Lab File: VL042354.D
 Acq: 17 Apr 2025 12:22

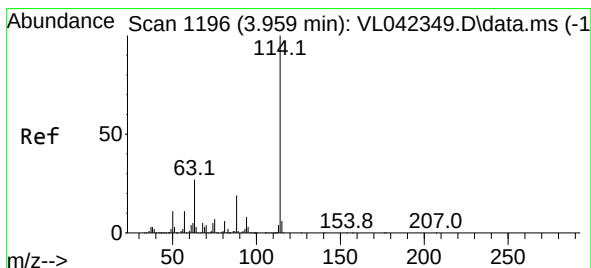
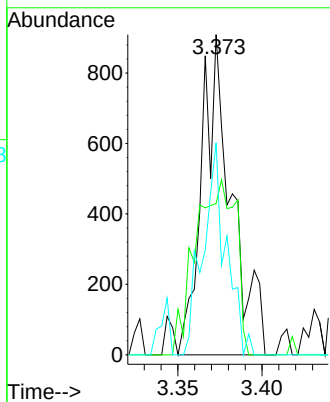
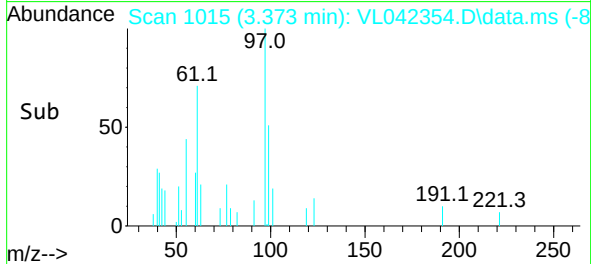
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



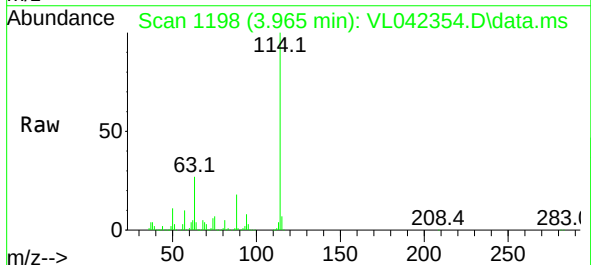
Tgt Ion: 97 Resp: 1120
 Ion Ratio Lower Upper
 97 100
 99 74.4 51.0 76.4
 61 56.9 38.8 58.2

Manual Integrations
 APPROVED

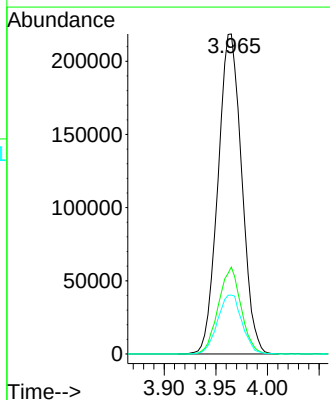
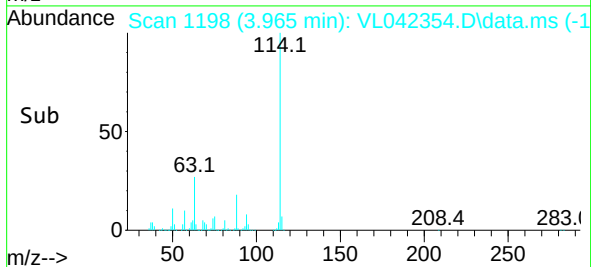
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

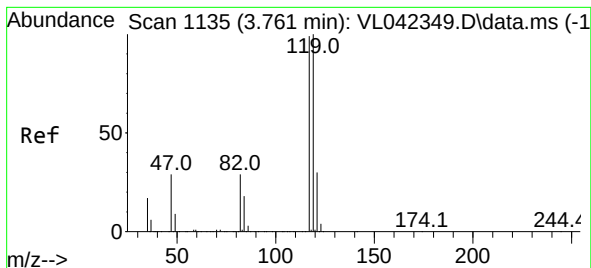


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.006 min
 Lab File: VL042354.D
 Acq: 17 Apr 2025 12:22



Tgt Ion:114 Resp: 349264
 Ion Ratio Lower Upper
 114 100
 63 26.0 21.8 32.6
 88 19.0 15.5 23.3





#35

Carbon Tetrachloride

Concen: 0.044 ppbv m

RT: 3.768 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VL042354.D

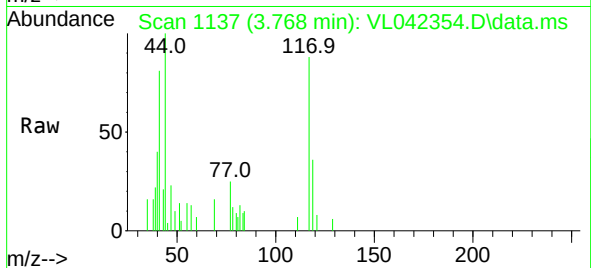
Acq: 17 Apr 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

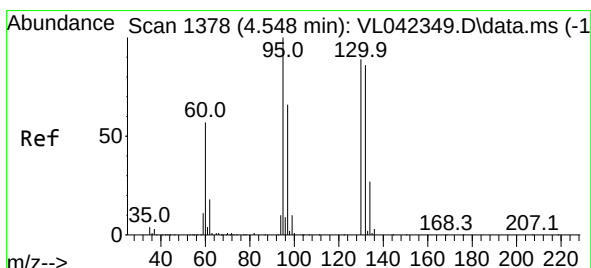
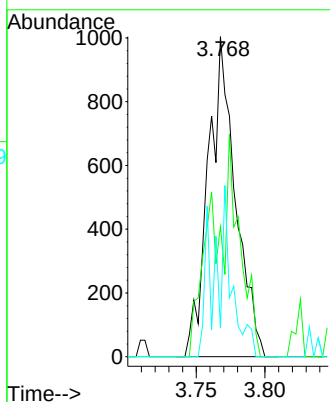
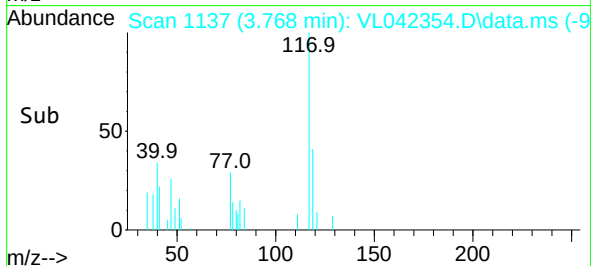


Tgt Ion:	117	Resp:	138
Ion	Ratio	Lower	Upper
117	100		
119	40.6	80.5	120.7
121	9.0	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 0.041 ppbv m

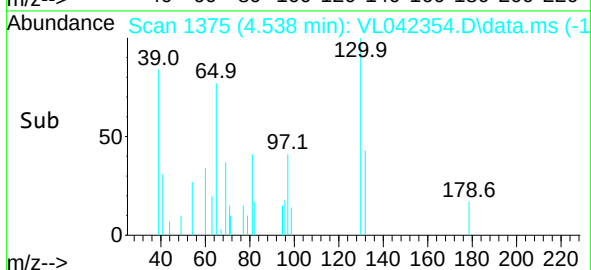
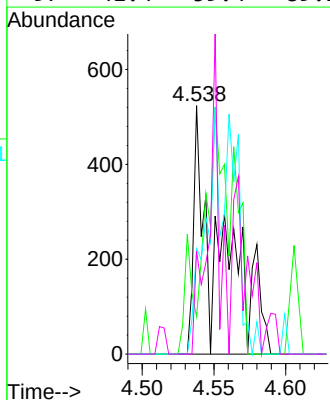
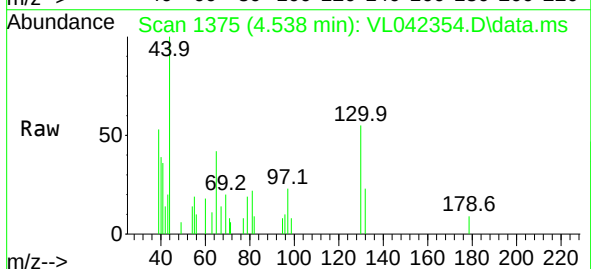
RT: 4.538 min Scan# 1375

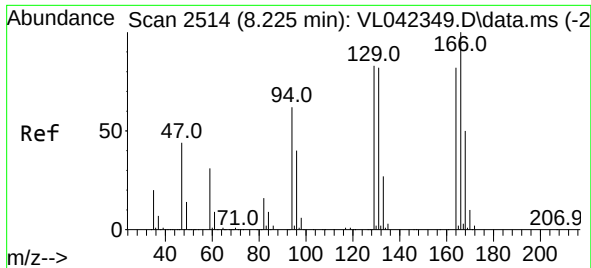
Delta R.T. -0.010 min

Lab File: VL042354.D

Acq: 17 Apr 2025 12:22

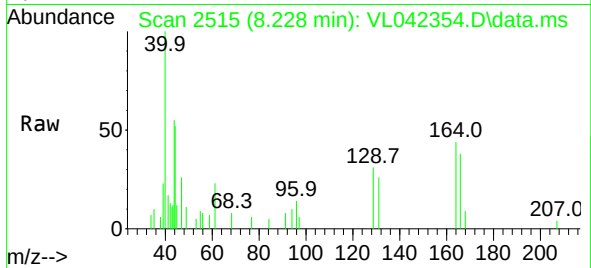
Tgt Ion:	130	Resp:	674
Ion	Ratio	Lower	Upper
130	100		
95	15.1	89.8	134.6#
132	42.6	77.7	116.5#
97	41.4	59.4	89.2#





#52
Tetrachloroethene
Concen: 0.039 ppbv m
RT: 8.228 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

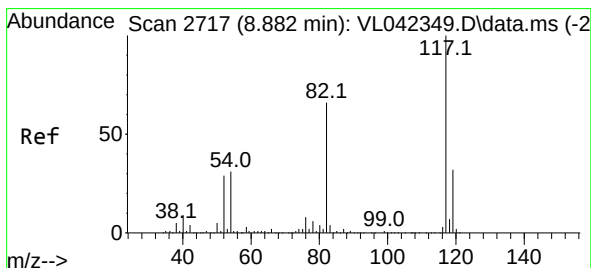
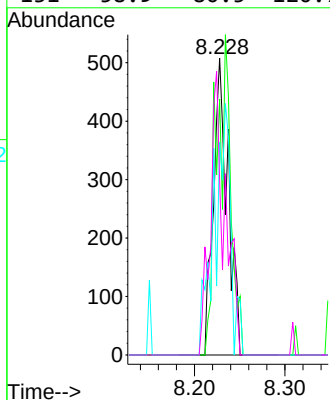
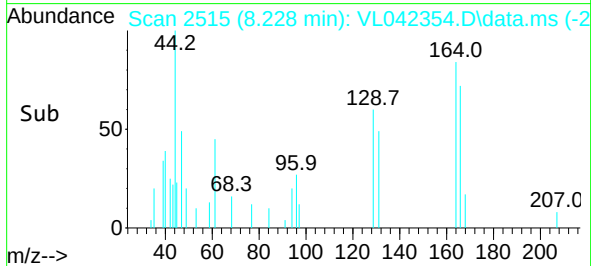
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion:164 Resp: 569
Ion Ratio Lower Upper
164 100
166 86.2 98.2 147.2
129 71.7 81.8 122.8
131 58.9 80.5 120.7

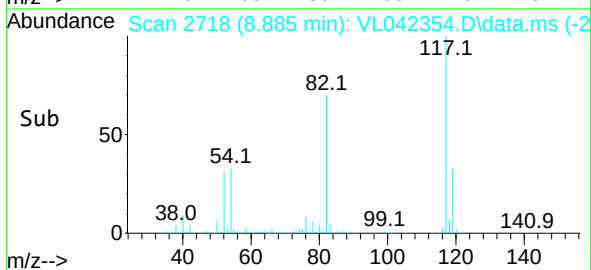
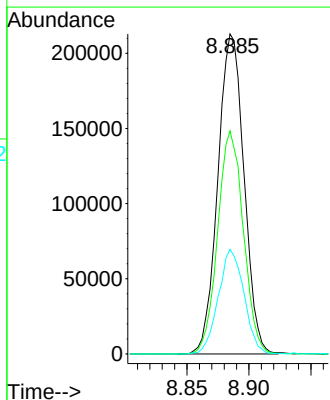
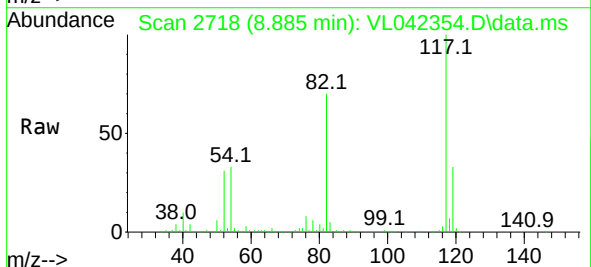
Manual Integrations
APPROVED

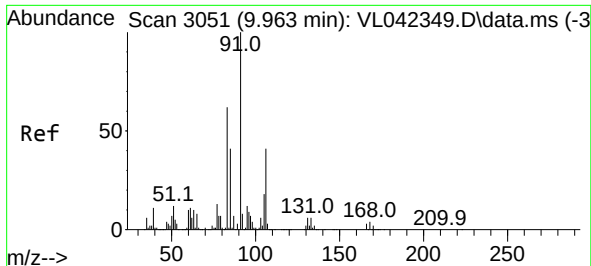
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

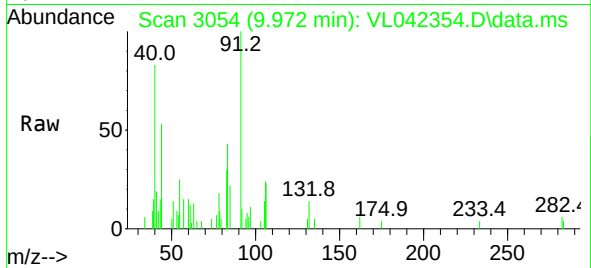
Tgt Ion:117 Resp: 312999
Ion Ratio Lower Upper
117 100
82 68.5 57.8 86.6
119 32.2 25.2 37.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.040 ppbv m
RT: 9.972 min Scan# 3051
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

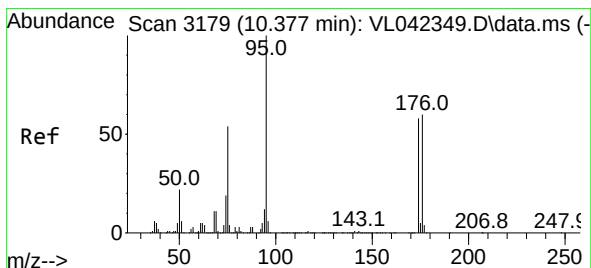
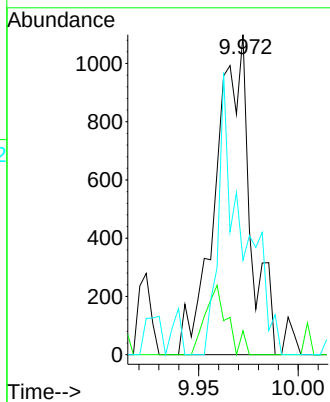
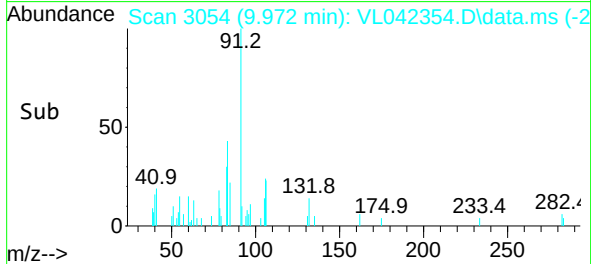
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 83 Resp: 132
Ion Ratio Lower Upper
83 100
131 13.9 4.5 13.7
85 61.4 32.4 97.0

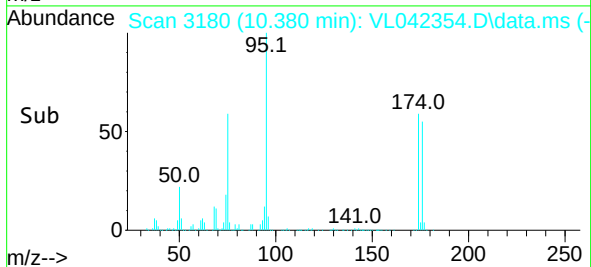
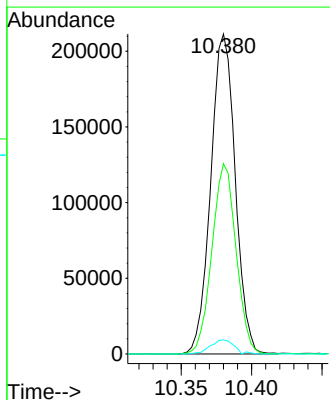
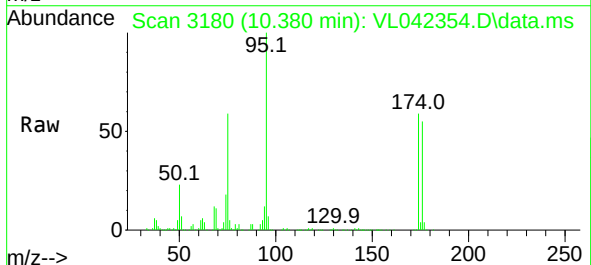
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.962 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 95 Resp: 256230
Ion Ratio Lower Upper
95 100
174 58.6 48.5 72.7
175 4.3 3.7 5.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042355.D
 Acq On : 17 Apr 2025 12:54
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:31:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	116071	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332080	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	308463	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 254437 10.038 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	292784	14.277	ppbv	99
3) Chlorodifluoromethane	1.477	51	280042	14.341	ppbv	98
4) Chloromethane	1.532	50	115775	14.266	ppbv	99
5) Vinyl Chloride	1.580	62	112650	12.752	ppbv	100
6) Bromomethane	1.667	94	52805	13.800	ppbv	88
7) Chloroethane	1.703	64	44347	13.881	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	255029	14.484	ppbv	98
9) Propene	1.483	41	123102	13.842	ppbv	95
10) Heptane	4.979	43	336134	14.047	ppbv	100
11) Trichlorofluoromethane	1.875	101	278059	14.258	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.137	101	230366	14.447	ppbv	99
13) Ethanol	1.719	45	6324	8.702	ppbv	76
14) Bromoethene	1.781	108	84851	14.117	ppbv	99
15) Acetone	1.833	43	229086	12.056	ppbv	99
16) 1,3-Butadiene	1.609	39	117997	13.224	ppbv	96
17) tert-Butyl alcohol	2.040	59	320605	13.615	ppbv	99
18) 1,1-Dichloroethene	2.033	96	107666	14.045	ppbv	99
19) Isopropyl Alcohol	1.884	45	139004	13.169	ppbv	94
20) Methylene Chloride	2.059	84	91093	12.241	ppbv	90
21) Allyl Chloride	2.095	41	187995	14.329	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	118492	13.970	ppbv	94
23) Vinyl Acetate	2.460	43	106135	13.799	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	235466	14.615	ppbv	99
25) Ethyl Acetate	2.836	43	663644	14.166	ppbv	100
26) Hexane	2.826	57	260975	13.765	ppbv	97
27) Carbon Disulfide	2.150	76	299098	14.734	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	174855	14.076	ppbv	95
29) Chloroform	2.849	83	385686	14.393	ppbv	99
30) Cyclohexane	3.855	84	217375	14.238	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	264972	14.700	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	412537	14.357	ppbv	99
34) 2-Butanone	2.558	43	367315	13.986	ppbv	100
35) Carbon Tetrachloride	3.762	117	409916	13.639	ppbv	94
36) Benzene	3.655	78	522156	14.578	ppbv	97
37) 1,2-Dichloroethane	3.218	62	319517	14.863	ppbv	100
38) Trichloroethene	4.548	130	208508	13.278	ppbv	98
39) 1,2-Dichloropropane	4.312	63	189697	14.201	ppbv	97
40) 1,4-Dioxane	4.580	88	92114	12.733	ppbv #	95
41) Tetrahydrofuran	3.053	42	214949	14.166	ppbv	98
42) Bromodichloromethane	4.490	83	442735	14.798	ppbv	95
43) Methyl Methacrylate	4.878	69	219757	13.670	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	893529	14.425	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	244470	14.810	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042355.D
 Acq On : 17 Apr 2025 12:54
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:31:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

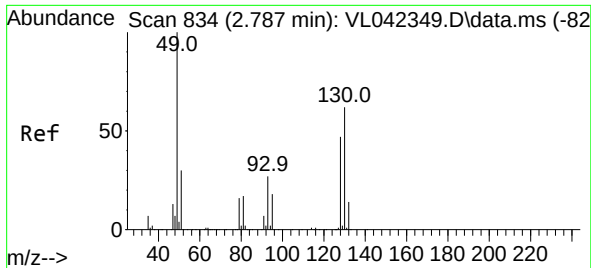
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	300145	14.878	ppbv	90
47) 1,1,2-Trichloroethane	6.581	97	198874	14.615	ppbv	98
48) Dibromochloromethane	7.390	129	362887	15.105	ppbv	98
49) Bromoform	9.484	173	312282	14.865	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	563658	12.889	ppbv	99
51) 2-Hexanone	7.435	43	467001	11.834	ppbv #	98
52) Tetrachloroethene	8.225	164	180631	13.046	ppbv	97
53) Toluene	6.933	91	619420	14.411	ppbv	99
54) 1,2-Dibromoethane	7.652	107	280071	14.442	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.927	131	268626	14.389	ppbv	97
57) Chlorobenzene	8.921	112	454017	14.151	ppbv	97
58) Ethyl Benzene	9.354	91	874424	14.308	ppbv	100
59) m/p-Xylene	9.552	91	1388086m	28.109	ppbv	
60) o-Xylene	9.963	91	689246	13.902	ppbv	99
61) Styrene	9.872	104	339508	14.347	ppbv	99
62) Isopropylbenzene	10.539	105	1018968	13.999	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	412898	12.816	ppbv	100
64) n-propylbenzene	10.989	120	260812	14.255	ppbv	94
65) tert-Butylbenzene	11.533	119	899720	13.449	ppbv	93
66) Benzyl Chloride	11.617	91	96016	13.061	ppbv	96
67) sec-Butylbenzene	11.769	105	1253263	13.468	ppbv	100
69) p-Isopropyltoluene	11.928	119	1081850	13.382	ppbv	99
70) n-Butylbenzene	12.284	91	1117042	13.266	ppbv	100
71) 2-Chlorotoluene	10.902	91	806728	14.131	ppbv	100
72) 4-Ethyltoluene	11.125	105	848077	13.992	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	726558	13.578	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	785772	12.572	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	444086	13.670	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	450662	13.802	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	427372	13.529	ppbv	99
78) Hexachloro-1,3-Butadiene	13.883	225	404441	12.679	ppbv	100
79) Naphthalene	13.514	128	944085	12.632	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	540339	12.686	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	429982	13.398	ppbv	98

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



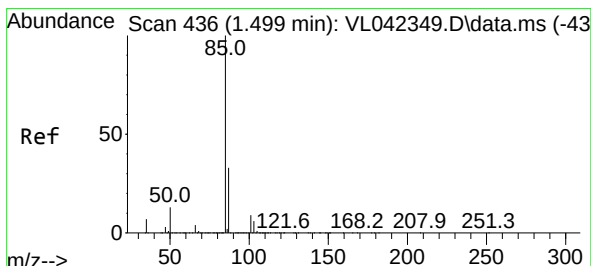
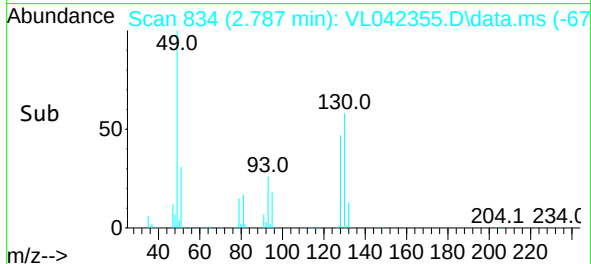
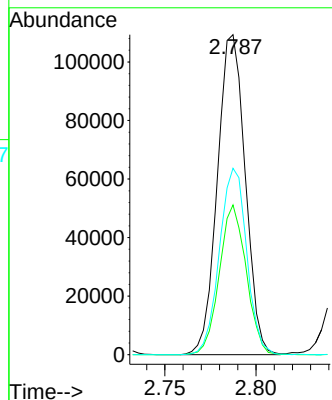
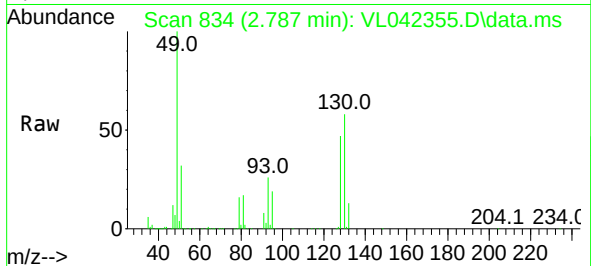
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 49 Resp: 11607
Ion Ratio Lower Upper
49 100
128 45.1 22.8 68.4
130 57.1 29.3 88.0

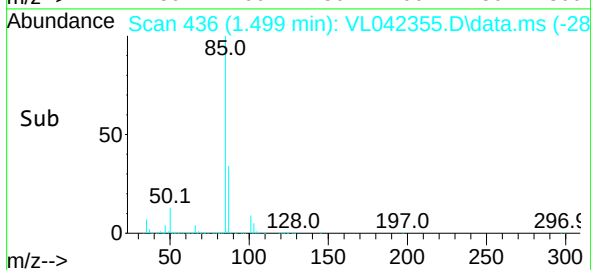
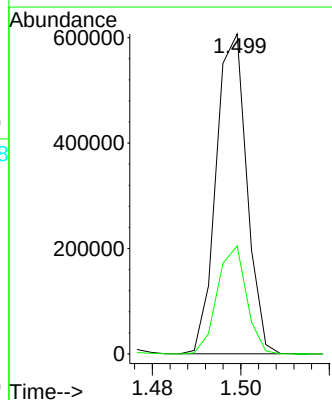
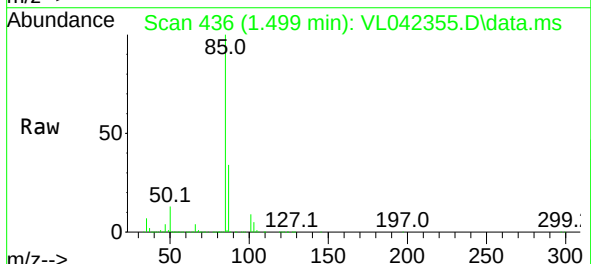
Manual Integrations
APPROVED

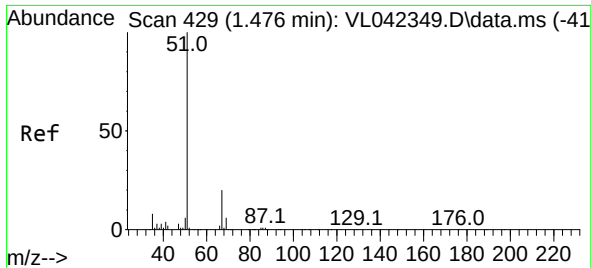
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#2
Dichlorodifluoromethane
Concen: 14.277 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

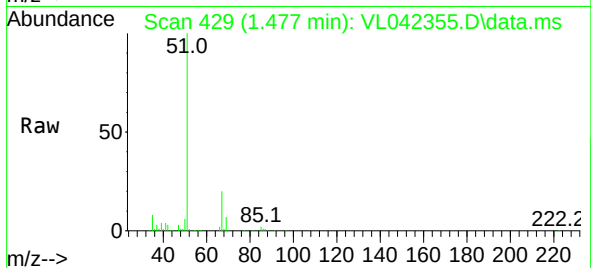
Tgt Ion: 85 Resp: 292784
Ion Ratio Lower Upper
85 100
87 33.8 26.6 39.8





#3
Chlorodifluoromethane
Concen: 14.341 ppbv
RT: 1.477 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

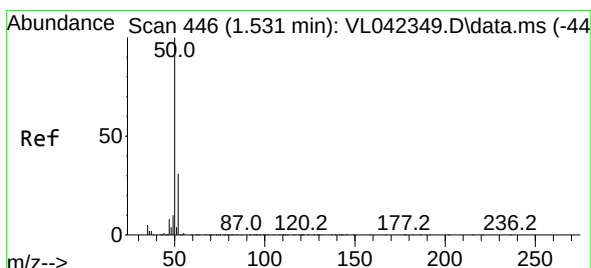
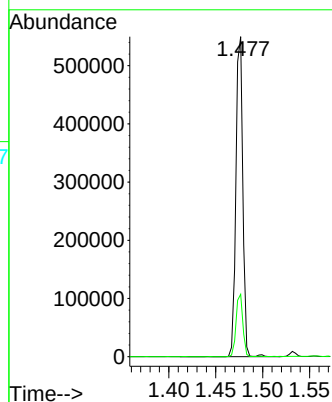
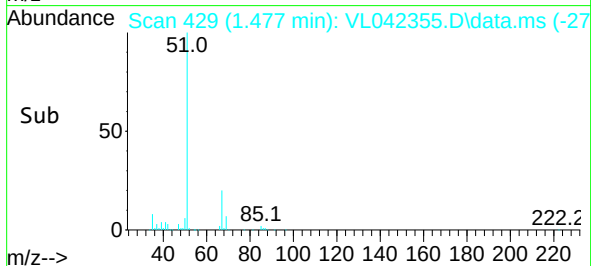
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



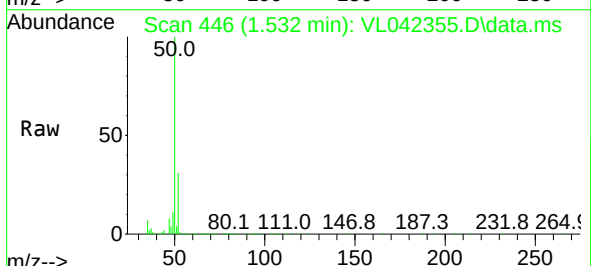
Tgt Ion: 51 Resp: 28004
Ion Ratio Lower Upper
51 100
67 19.5 16.2 24.4

Manual Integrations
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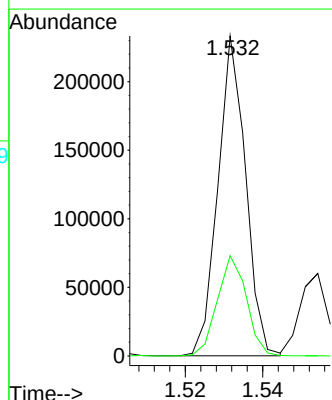
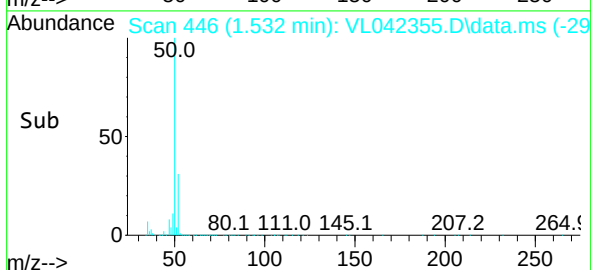
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

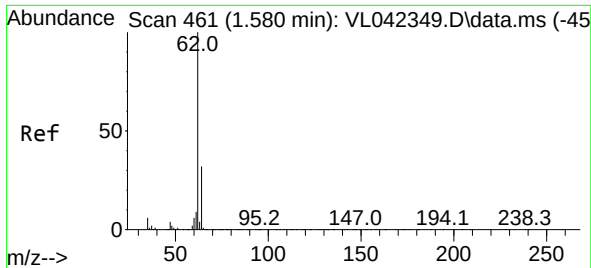


#4
Chloromethane
Concen: 14.266 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



Tgt Ion: 50 Resp: 115775
Ion Ratio Lower Upper
50 100
52 31.3 24.7 37.1





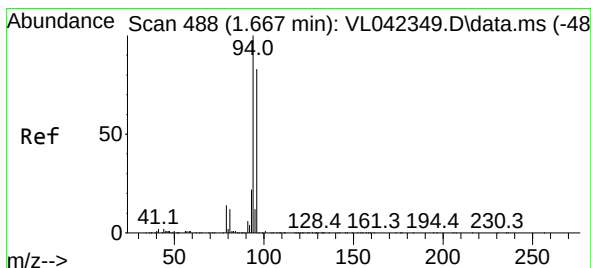
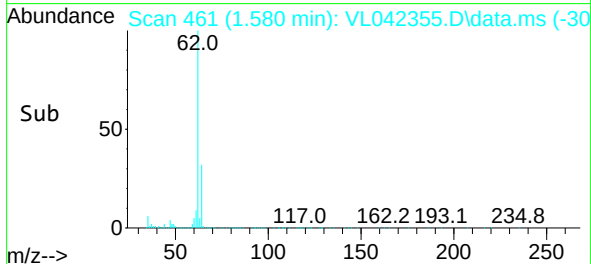
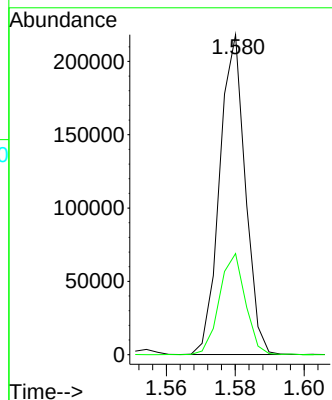
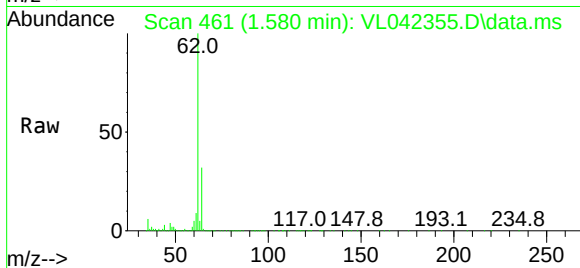
#5
 Vinyl Chloride
 Concen: 12.752 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 62 Resp: 112650
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.4 38.0

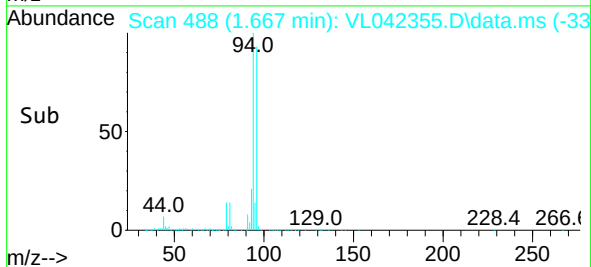
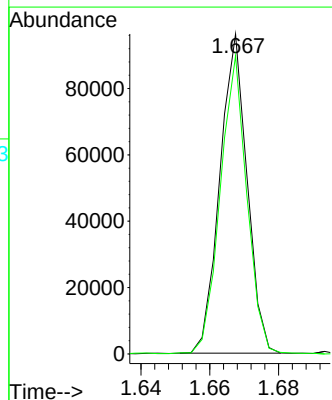
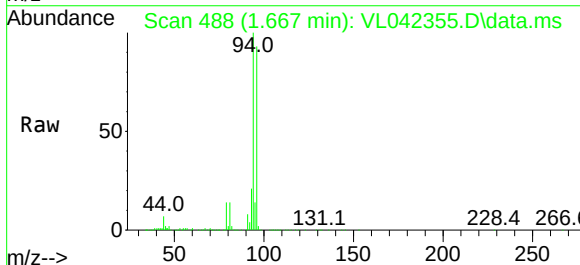
Manual Integrations
 APPROVED

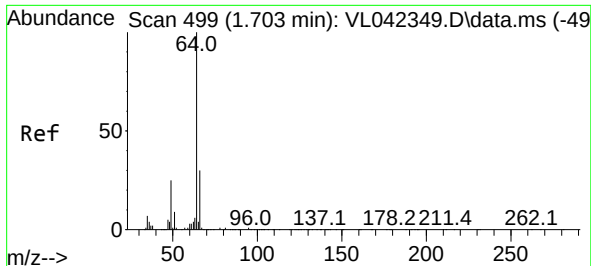
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 13.800 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

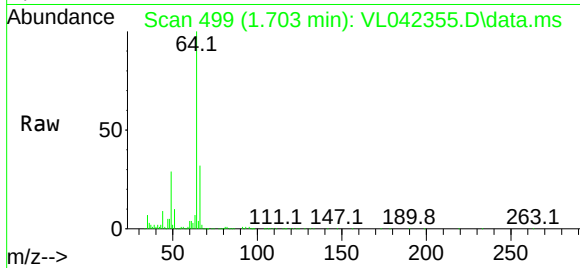
Tgt Ion: 94 Resp: 52805
 Ion Ratio Lower Upper
 94 100
 96 93.1 66.2 99.2





#7
Chloroethane
Concen: 13.881 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

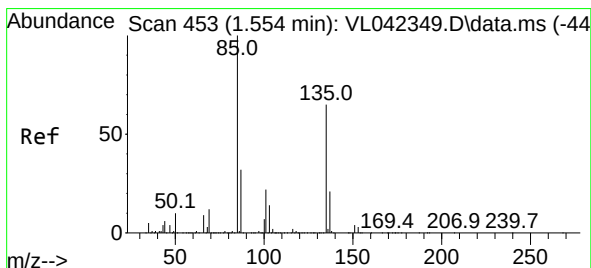
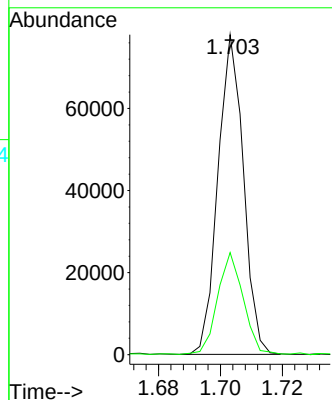
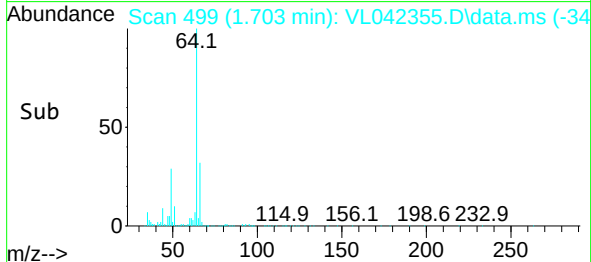
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



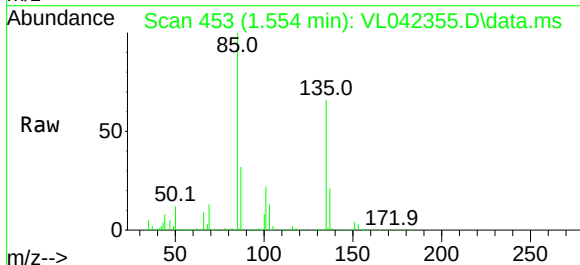
Tgt Ion: 64 Resp: 4434
Ion Ratio Lower Upper
64 100
66 31.9 24.6 37.0

Manual Integrations
APPROVED

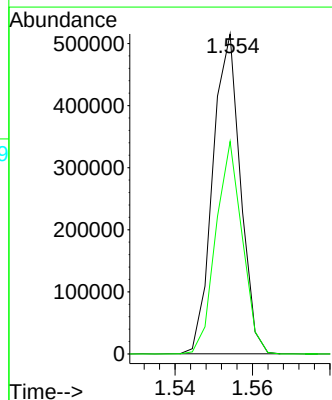
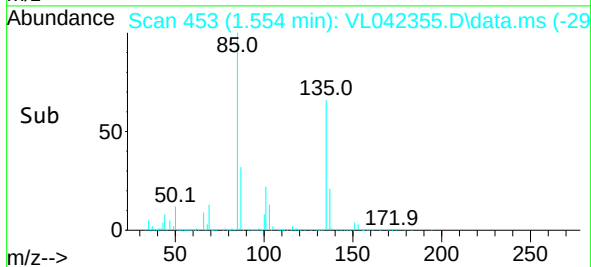
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

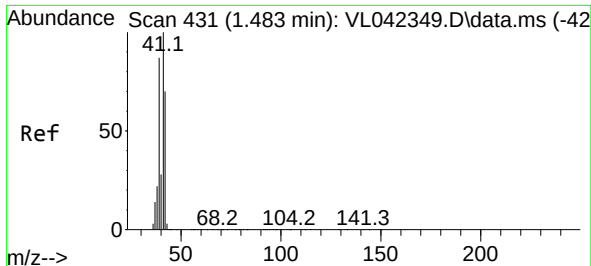


#8
Dichlorotetrafluoroethane
Concen: 14.484 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



Tgt Ion: 85 Resp: 255029
Ion Ratio Lower Upper
85 100
135 63.6 52.2 78.2





#9

Propene

Concen: 13.842 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 41 Resp: 12310

Ion Ratio Lower Upper

41 100

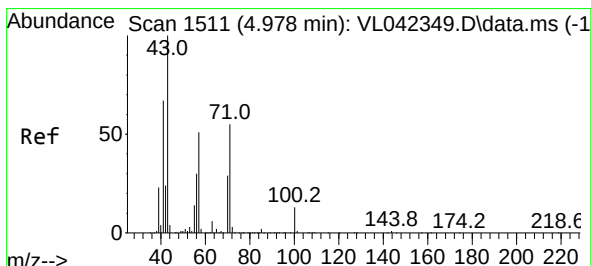
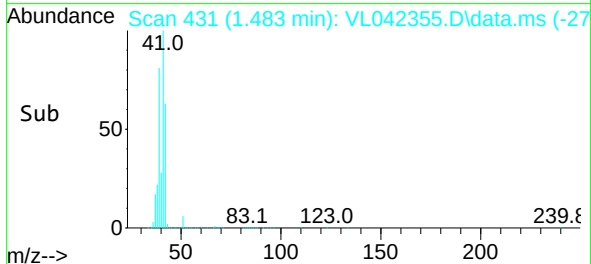
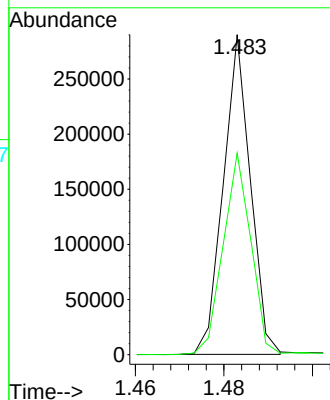
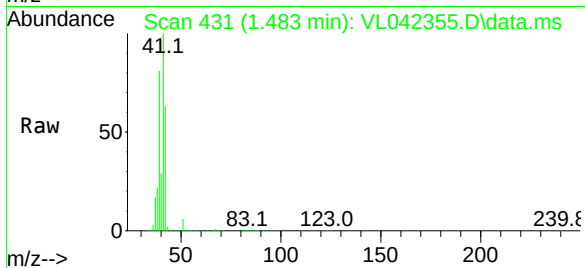
42 66.0 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#10

Heptane

Concen: 14.047 ppbv

RT: 4.979 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VL042355.D

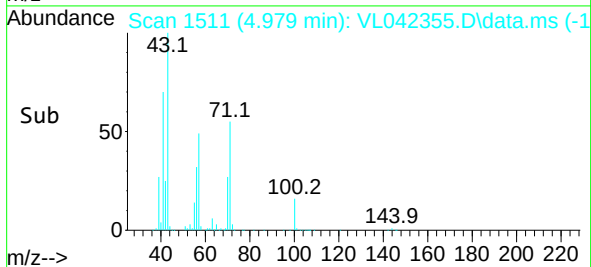
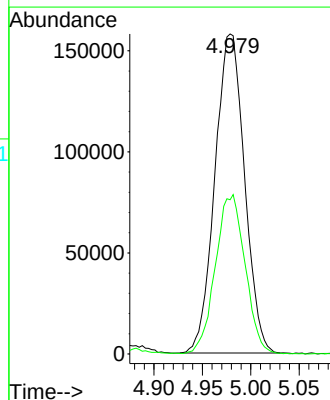
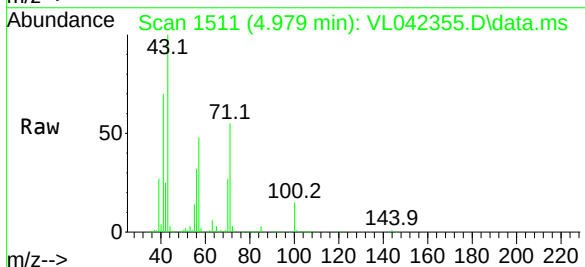
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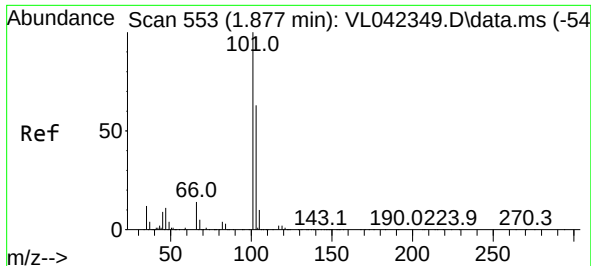
Tgt Ion: 43 Resp: 336134

Ion Ratio Lower Upper

43 100

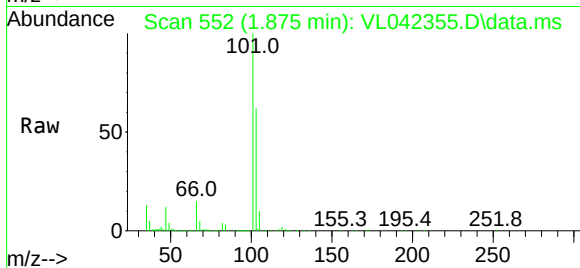
57 50.0 39.9 59.9





#11
Trichlorofluoromethane
Concen: 14.258 ppbv
RT: 1.875 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

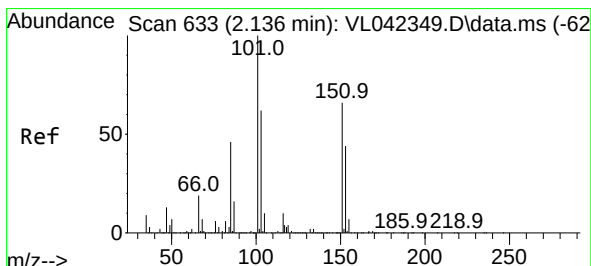
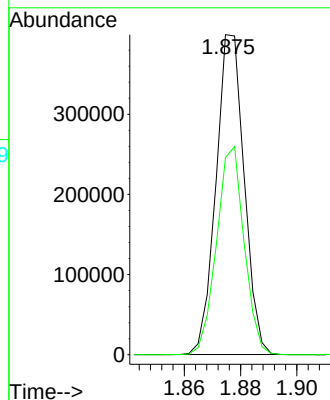
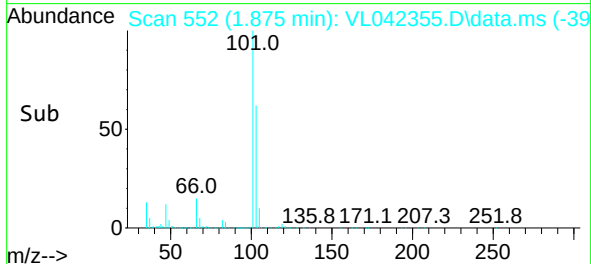
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



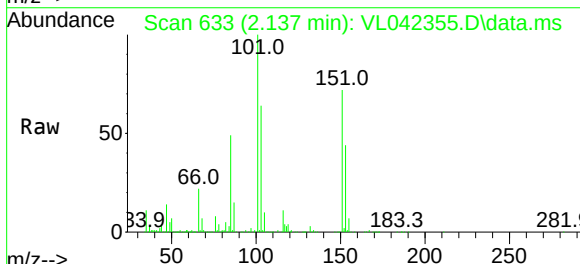
Tgt Ion:101 Resp: 278059
Ion Ratio Lower Upper
101 100
103 61.6 50.1 75.1

Manual Integrations
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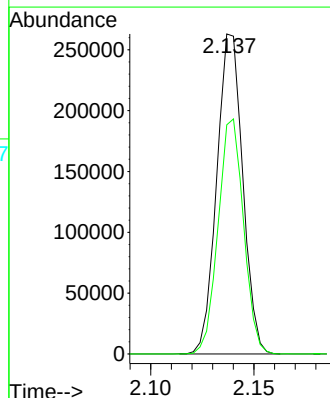
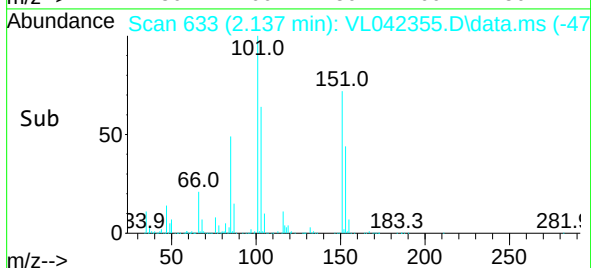
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

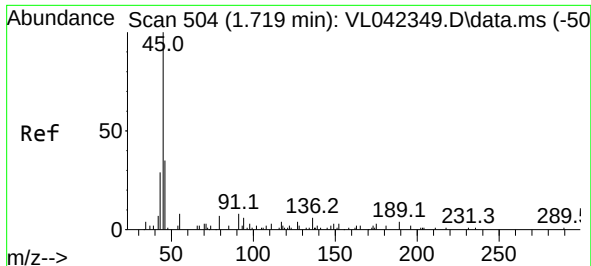


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.447 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



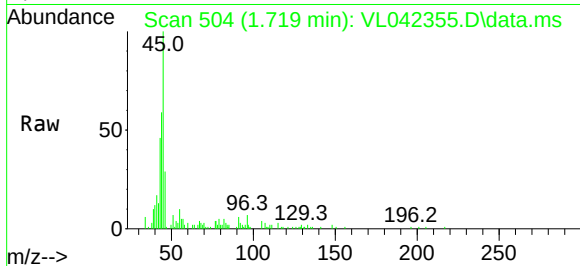
Tgt Ion:101 Resp: 230366
Ion Ratio Lower Upper
101 100
151 71.8 57.0 85.6





#13
 Ethanol
 Concen: 8.702 ppbv
 RT: 1.719 min Scan# 504
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

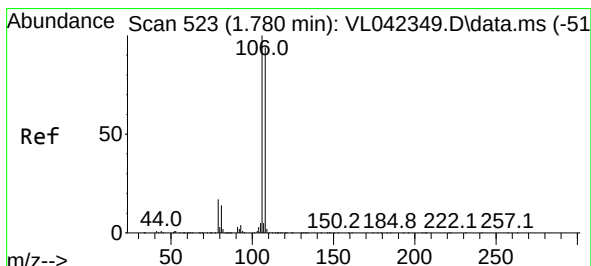
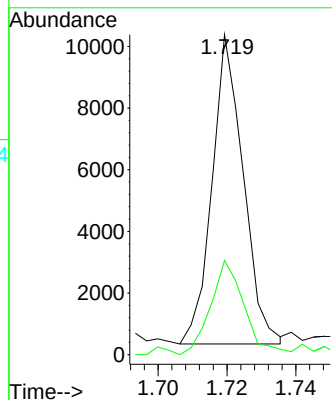
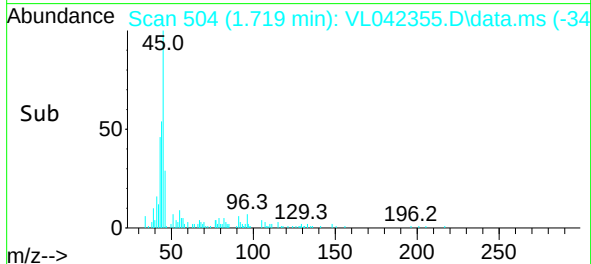
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



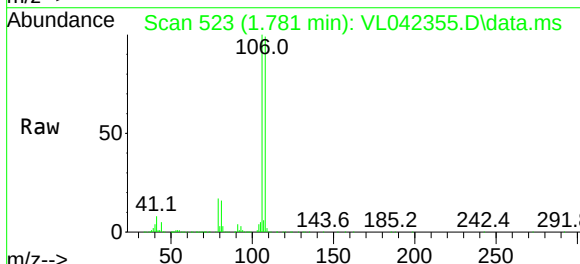
Tgt Ion: 45 Resp: 6324
 Ion Ratio Lower Upper
 45 100
 46 37.6 21.9 87.7

Manual Integrations
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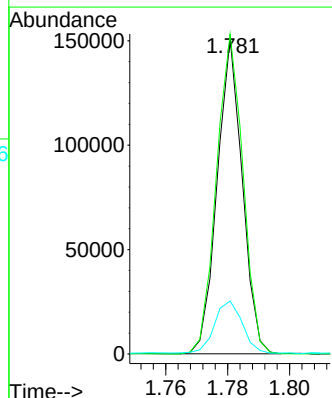
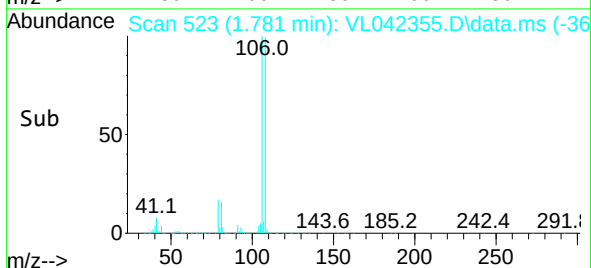
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

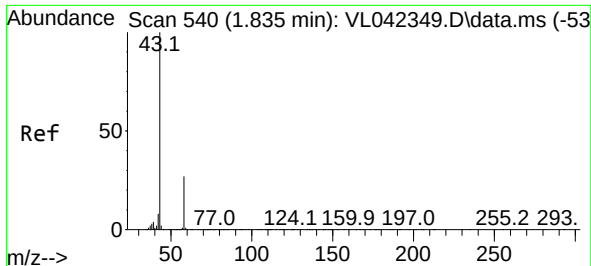


#14
 Bromoethene
 Concen: 14.117 ppbv
 RT: 1.781 min Scan# 523
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54



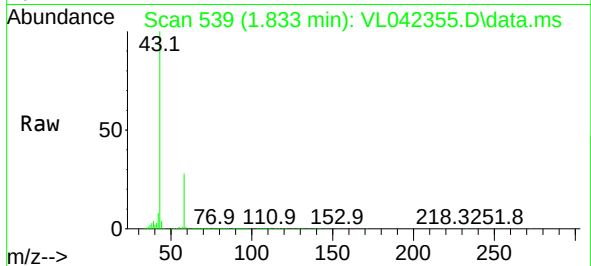
Tgt Ion:108 Resp: 84851
 Ion Ratio Lower Upper
 108 100
 106 107.5 85.9 128.9
 79 19.3 13.9 20.9





#15
Acetone
Concen: 12.056 ppbv
RT: 1.833 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

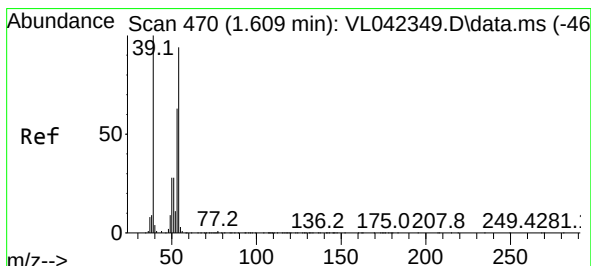
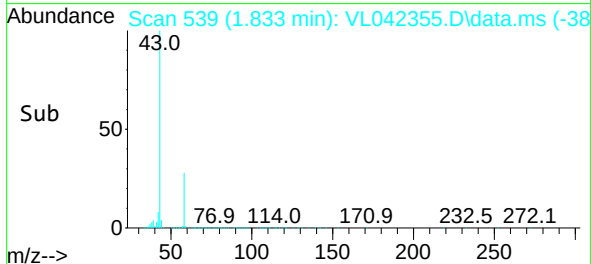
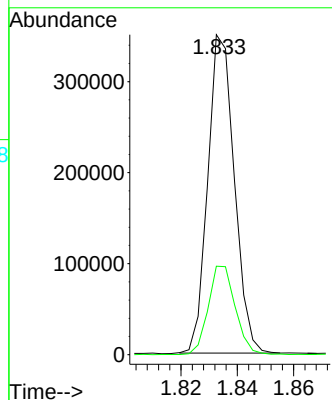
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 229080
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6

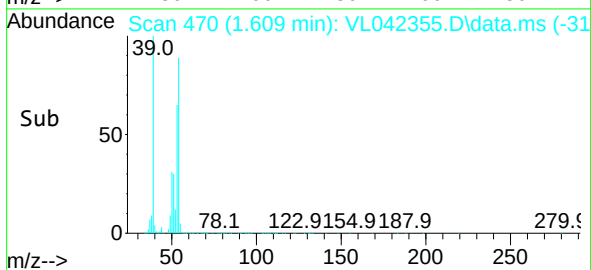
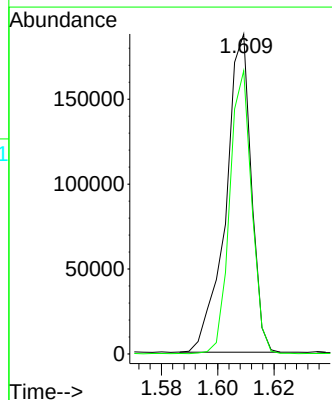
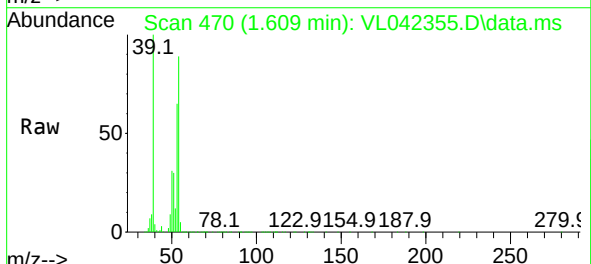
Manual Integrations
APPROVED

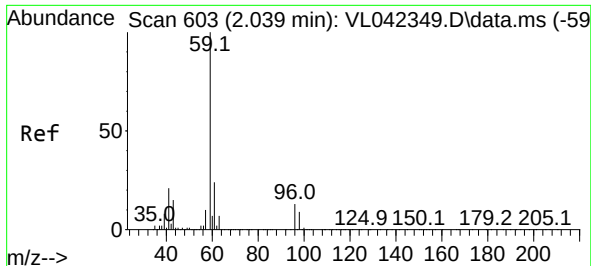
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#16
1,3-Butadiene
Concen: 13.224 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 39 Resp: 117997
Ion Ratio Lower Upper
39 100
54 77.2 64.9 97.3





#17

tert-Butyl alcohol

Concen: 13.615 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 32060

Ion Ratio Lower Upper

59 100

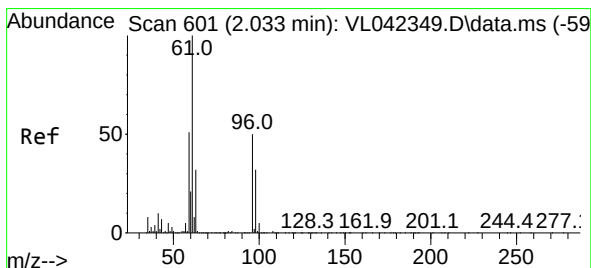
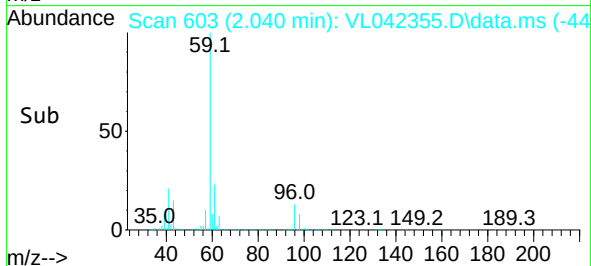
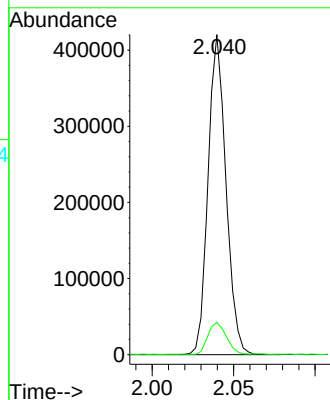
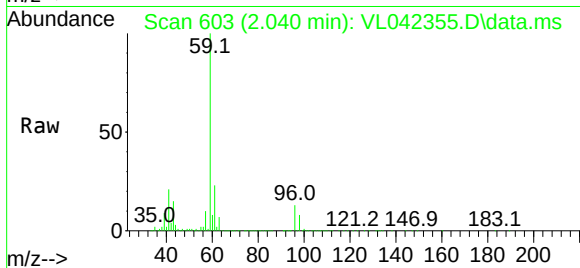
57 10.6 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#18

1,1-Dichloroethene

Concen: 14.045 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

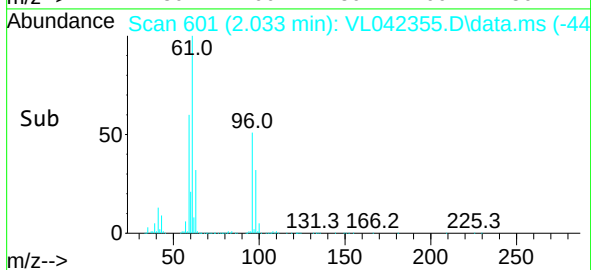
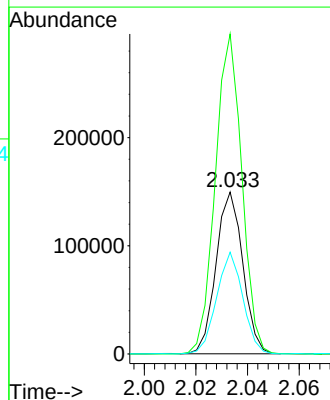
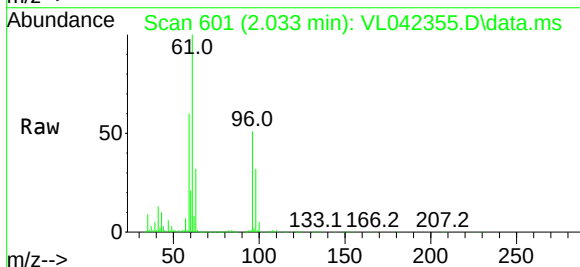
Tgt Ion: 96 Resp: 107666

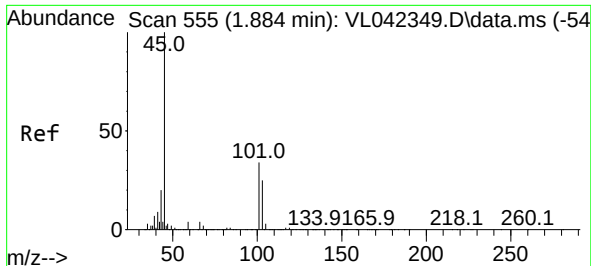
Ion Ratio Lower Upper

96 100

61 197.8 160.2 240.2

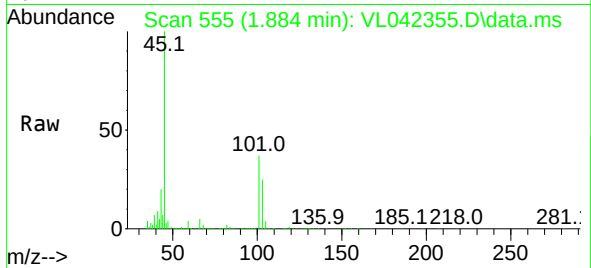
98 62.9 51.0 76.4





#19
Isopropyl Alcohol
Concen: 13.169 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

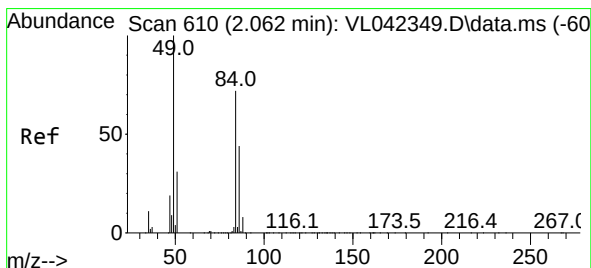
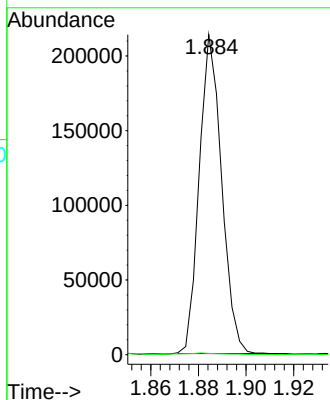
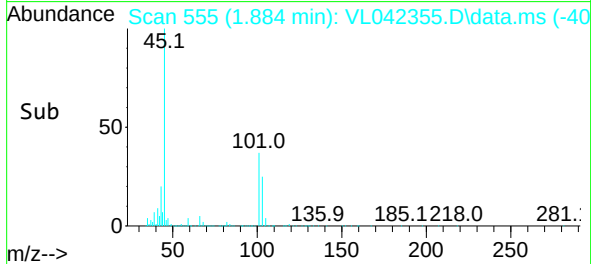
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



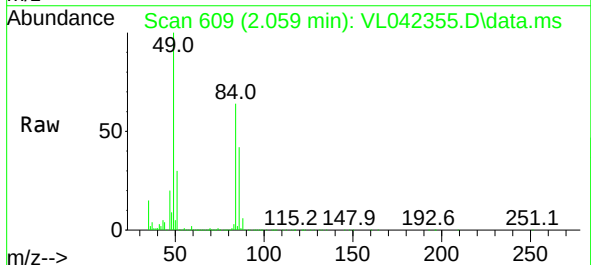
Tgt Ion: 45 Resp: 139004
Ion Ratio Lower Upper
45 100
58 46.9 34.5 51.7

Manual Integrations
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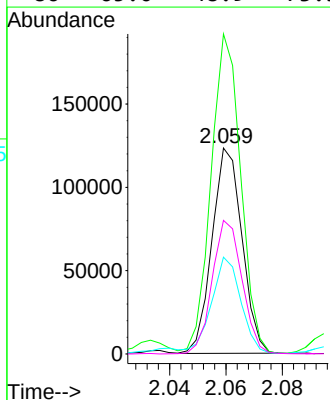
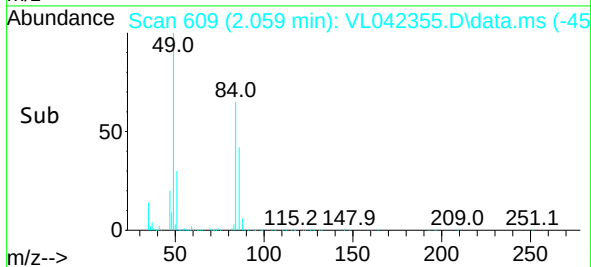
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

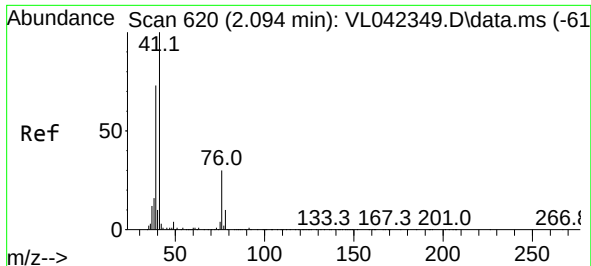


#20
Methylene Chloride
Concen: 12.241 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



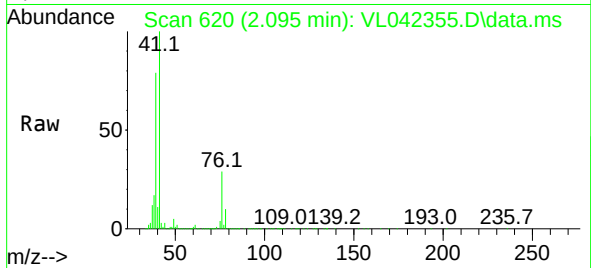
Tgt Ion: 84 Resp: 91093
Ion Ratio Lower Upper
84 100
49 155.7 111.6 167.4
51 46.8 35.1 52.7
86 65.0 48.9 73.3





#21
 Allyl Chloride
 Concen: 14.329 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

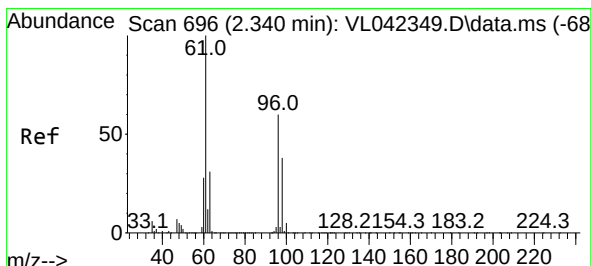
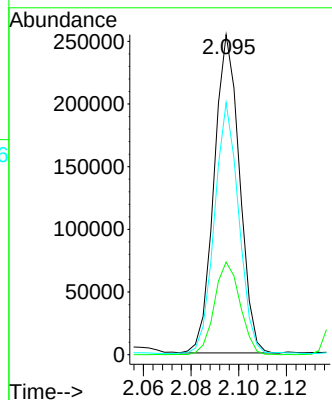
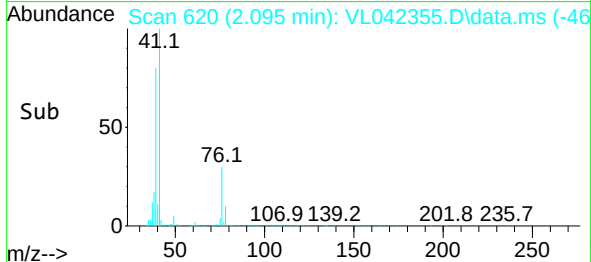
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 18799
 Ion Ratio Lower Upper
 41 100
 76 29.3 24.8 37.2
 39 75.2 60.6 90.8

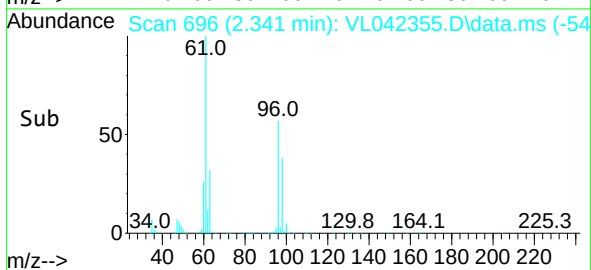
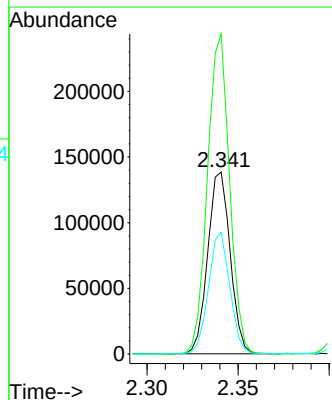
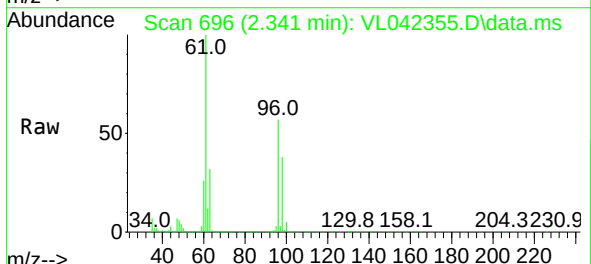
Manual Integrations
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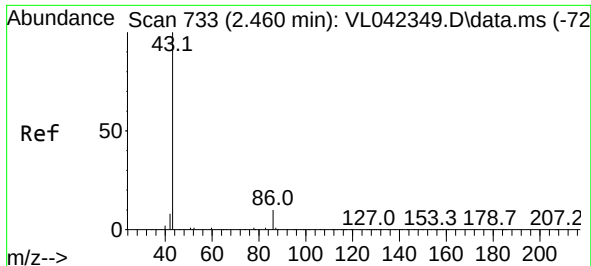
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 13.970 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

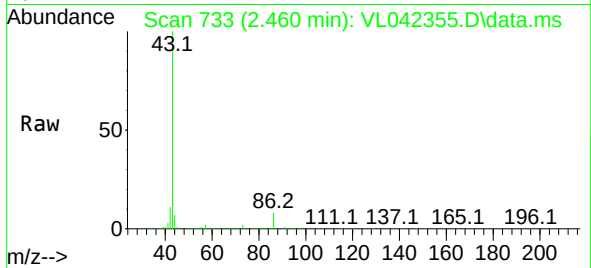
Tgt Ion: 96 Resp: 118492
 Ion Ratio Lower Upper
 96 100
 61 176.1 133.7 200.5
 98 66.8 50.3 75.5





#23
 Vinyl Acetate
 Concen: 13.799 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

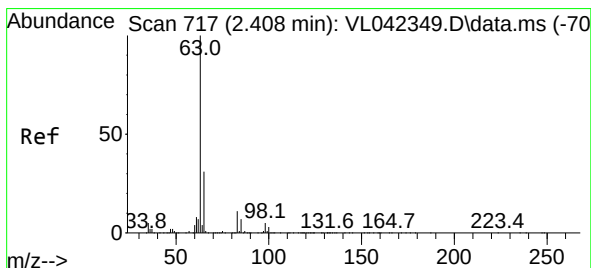
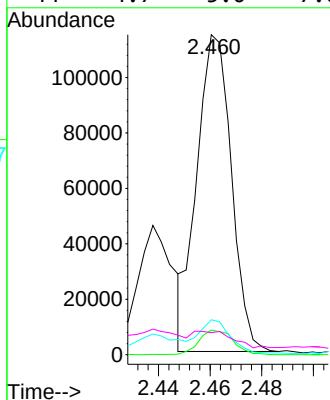
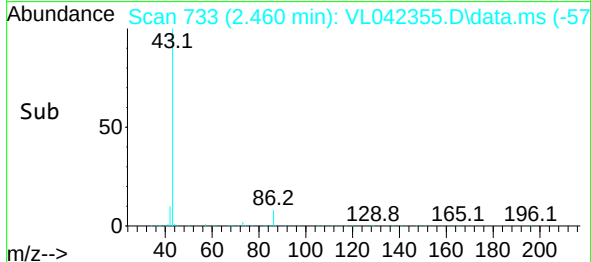
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 43 Resp: 106135
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.5 9.7
 42 10.4 7.8 11.8
 44 4.7 5.0 7.6#

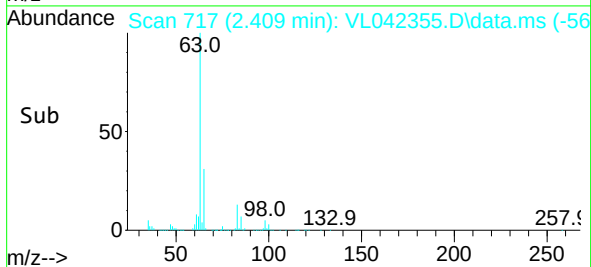
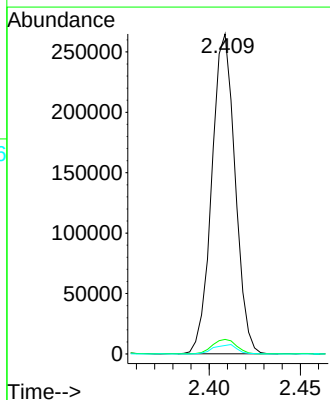
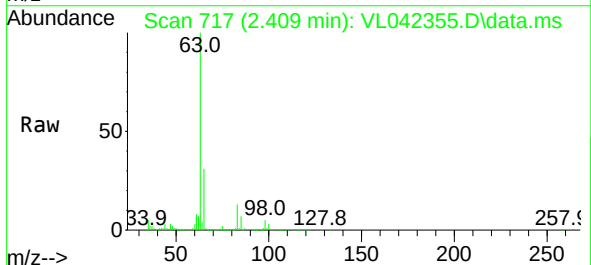
Manual Integrations
 APPROVED

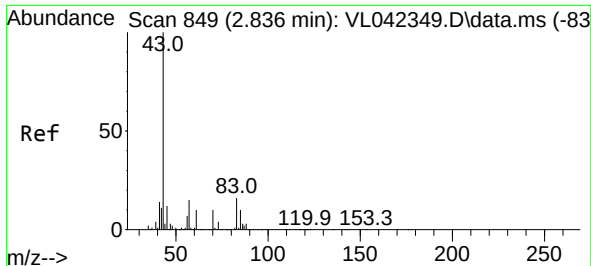
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 14.615 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

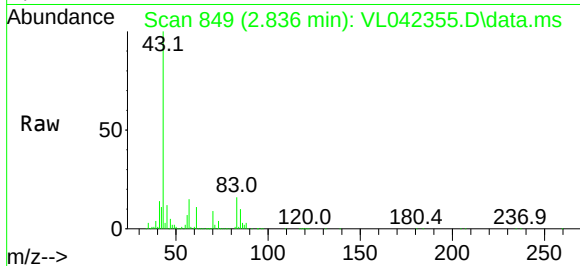
Tgt Ion: 63 Resp: 235466
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.3 6.8
 100 2.6 1.6 4.8





#25
Ethyl Acetate
Concen: 14.166 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

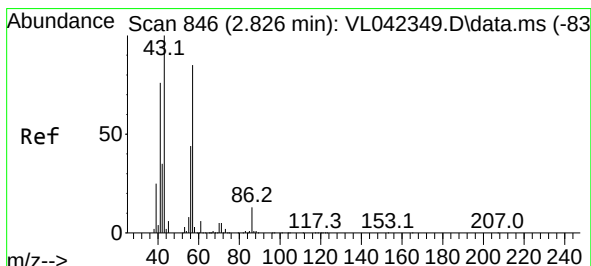
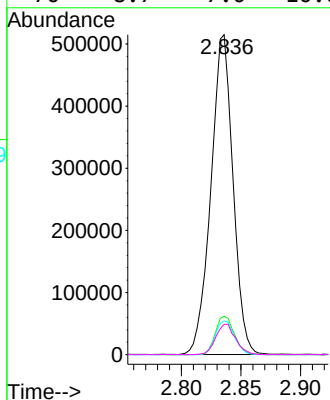
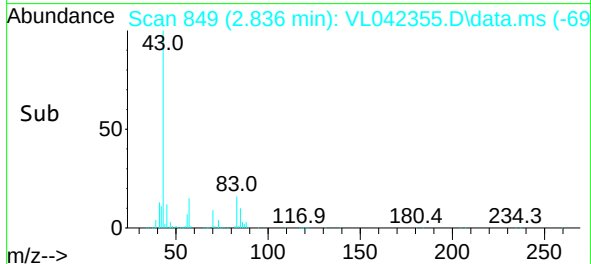
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



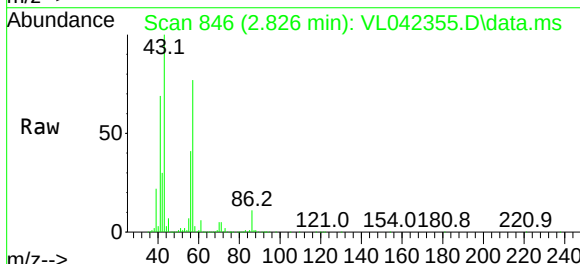
Tgt Ion: 43 Resp: 663644
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 9.2 7.3 10.9
70 8.7 7.0 10.6

Manual Integrations
APPROVED

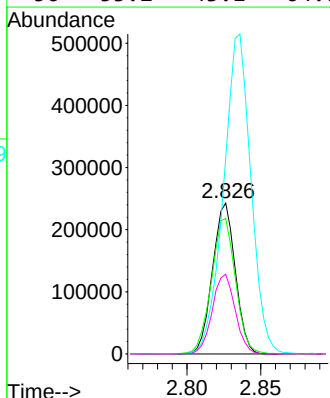
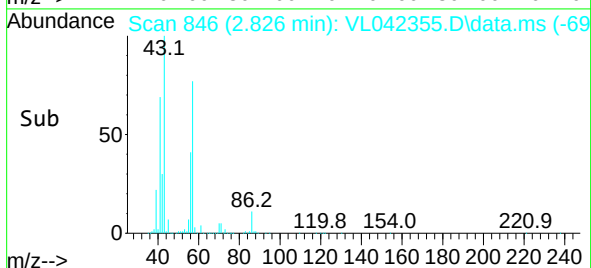
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

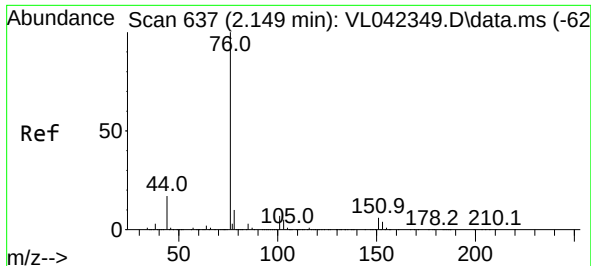


#26
Hexane
Concen: 13.765 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



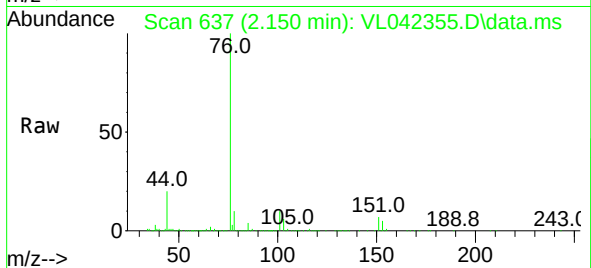
Tgt Ion: 57 Resp: 260975
Ion Ratio Lower Upper
57 100
41 95.3 77.9 116.9
43 254.5 208.4 312.6
56 53.2 43.1 64.7





#27
Carbon Disulfide
Concen: 14.734 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

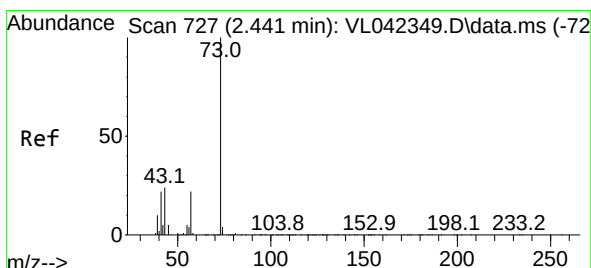
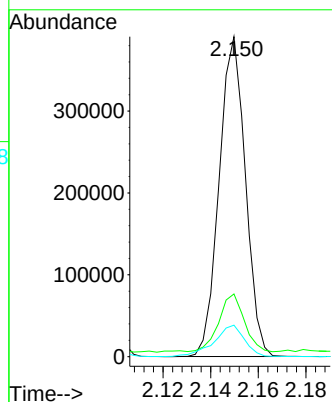
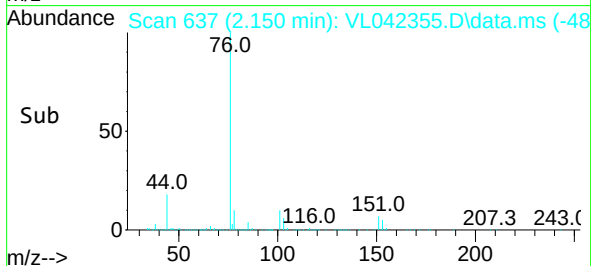
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



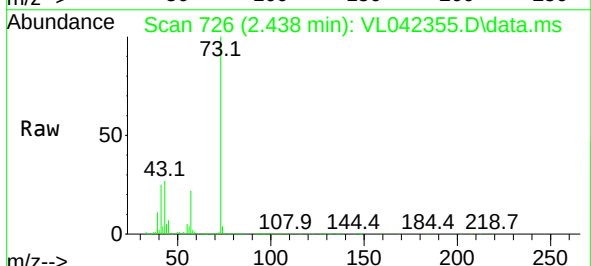
Tgt Ion: 76 Resp: 299098
Ion Ratio Lower Upper
76 100
44 17.3 15.5 23.3
78 11.4 9.3 13.9

Manual Integrations
APPROVED

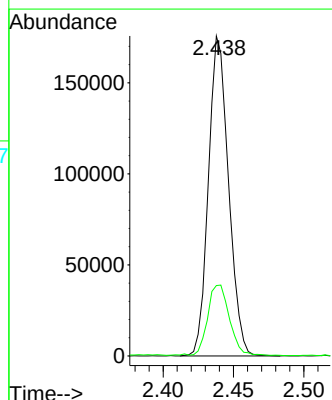
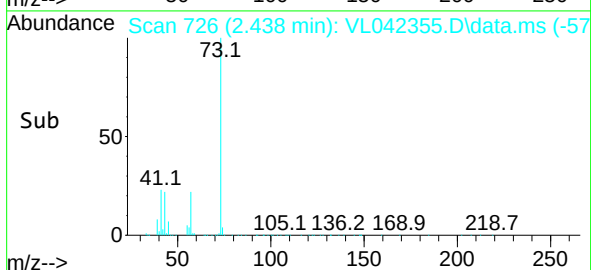
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

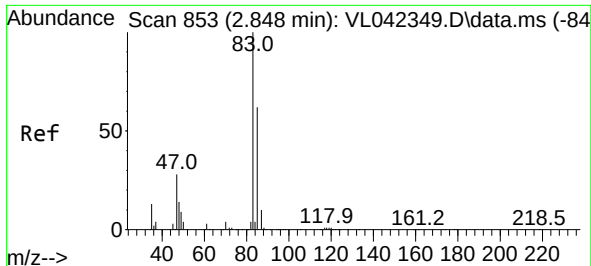


#28
Methyl tert-Butyl Ether
Concen: 14.076 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



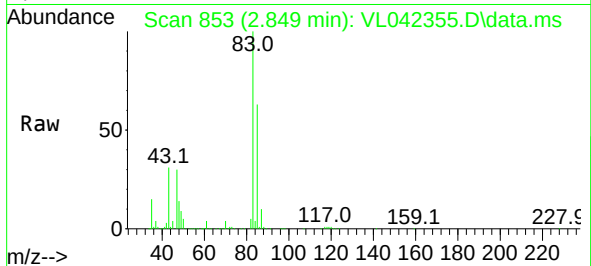
Tgt Ion: 73 Resp: 174855
Ion Ratio Lower Upper
73 100
57 24.3 21.3 31.9





#29
Chloroform
Concen: 14.393 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

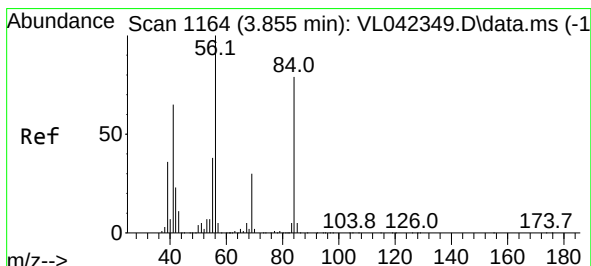
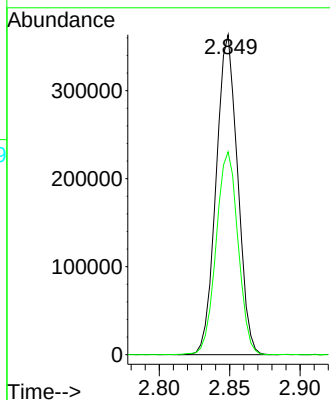
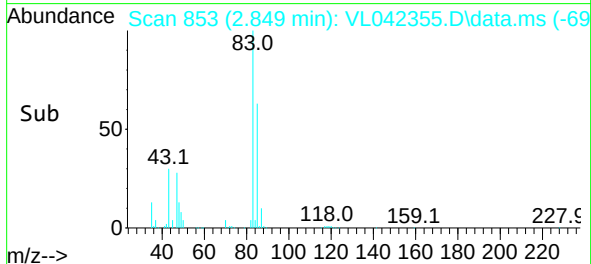
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



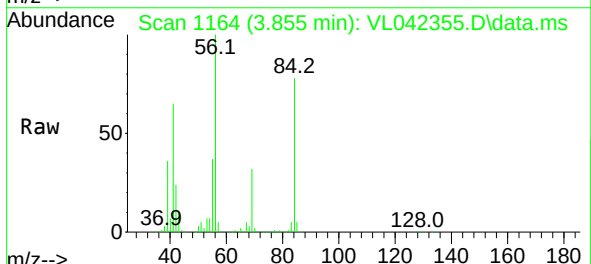
Tgt Ion: 83 Resp: 385680
Ion Ratio Lower Upper
83 100
85 63.4 50.0 75.0

Manual Integrations
APPROVED

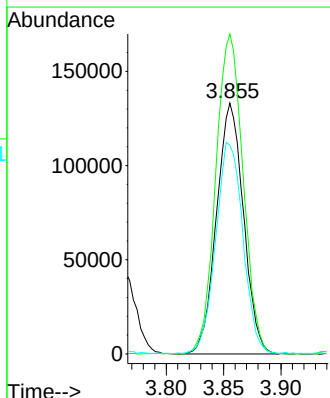
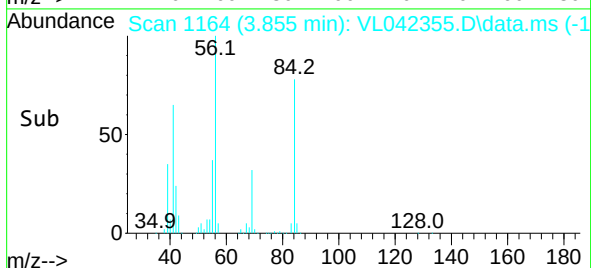
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

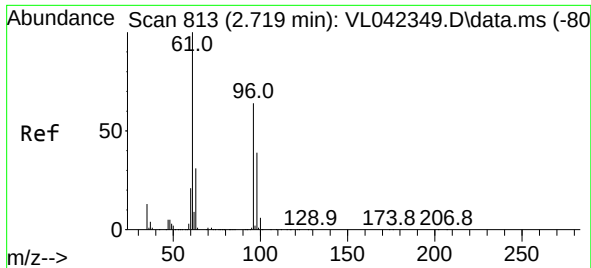


#30
Cyclohexane
Concen: 14.238 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



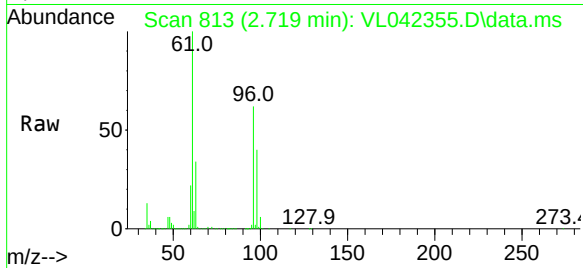
Tgt Ion: 84 Resp: 217375
Ion Ratio Lower Upper
84 100
56 129.4 101.0 151.4
41 85.3 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 14.700 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

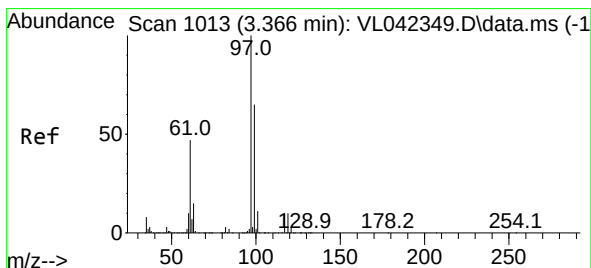
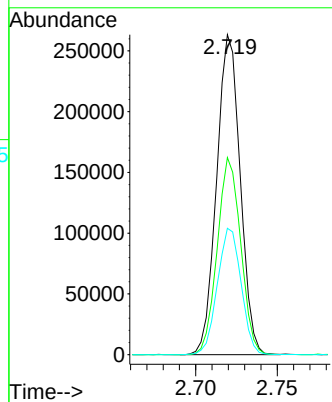
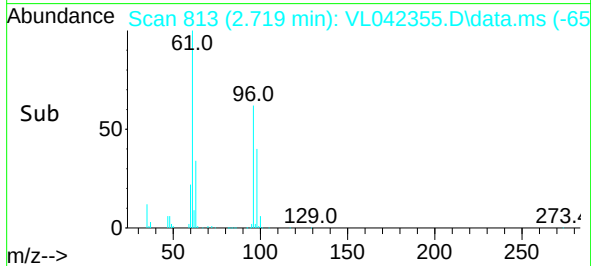
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



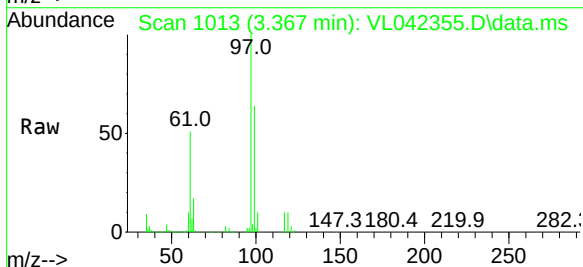
Tgt Ion: 61 Resp: 264972
 Ion Ratio Lower Upper
 61 100
 96 61.6 50.8 76.2
 98 39.5 30.9 46.3

Manual Integrations
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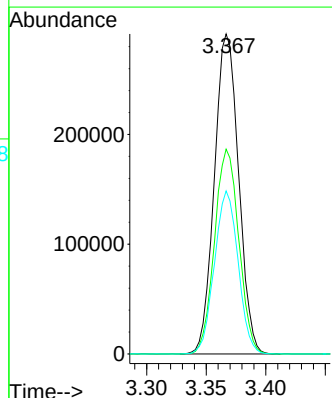
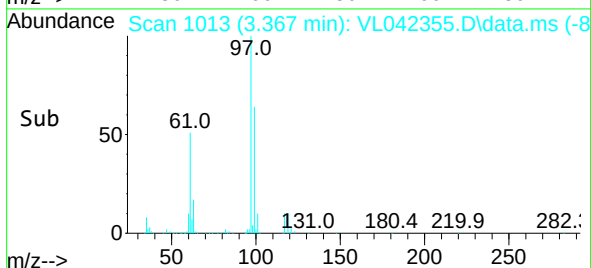
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

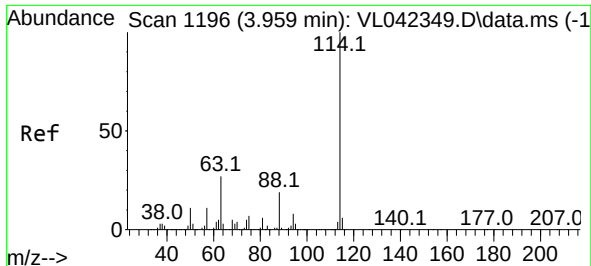


#32
 1,1,1-Trichloroethane
 Concen: 14.357 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54



Tgt Ion: 97 Resp: 412537
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.4
 61 49.8 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

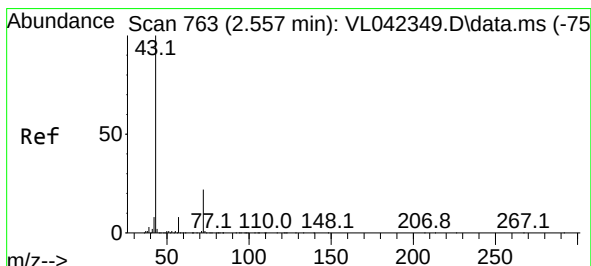
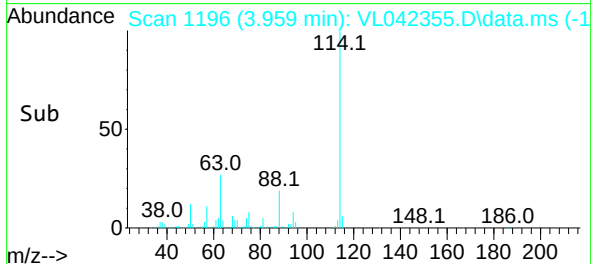
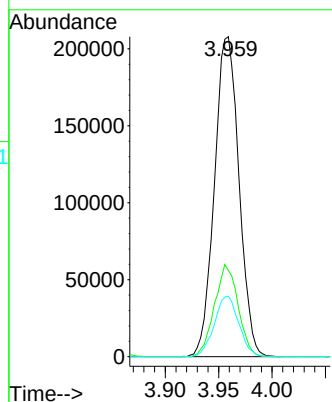
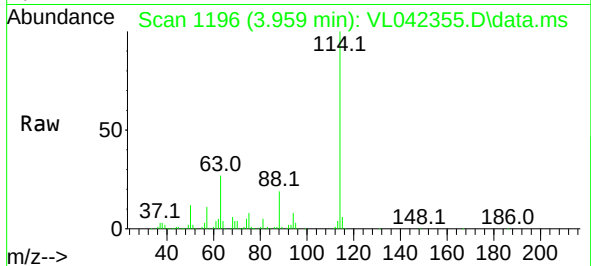
VSTDIC015

Tgt Ion:114 Resp: 332080
Ion Ratio Lower Upper
114 100
63 27.7 21.8 32.6
88 18.9 15.5 23.3

Manual Integrations

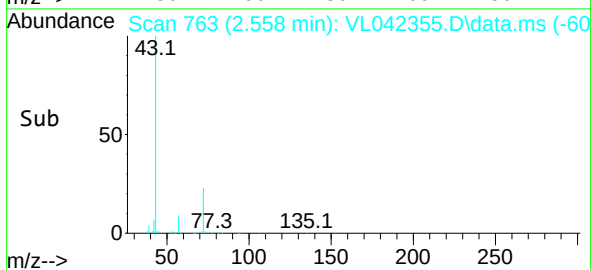
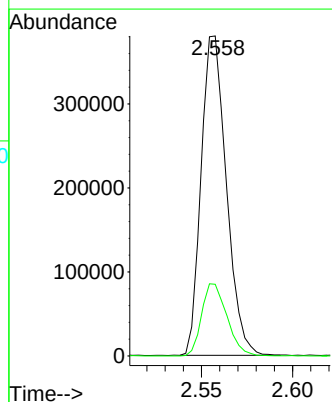
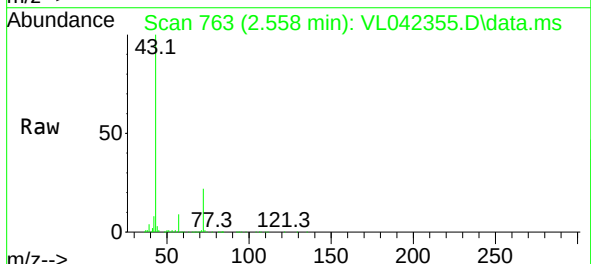
APPROVED

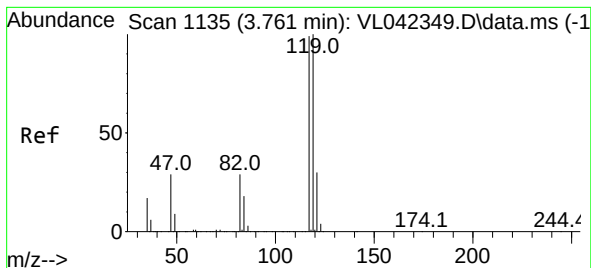
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#34
2-Butanone
Concen: 13.986 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 367315
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2





#35

Carbon Tetrachloride

Concen: 13.639 ppbv

RT: 3.762 min Scan# 1135

Delta R.T. 0.000 min

Lab File: VL042355.D

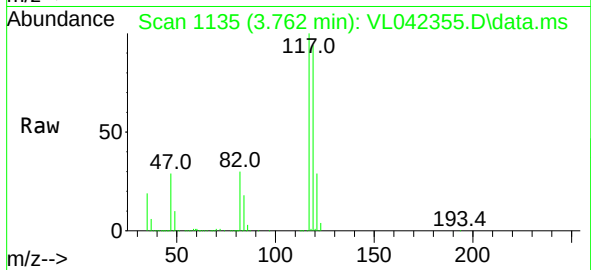
Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 117 Resp: 409910

Ion Ratio Lower Upper

117 100

119 94.0 80.5 120.7

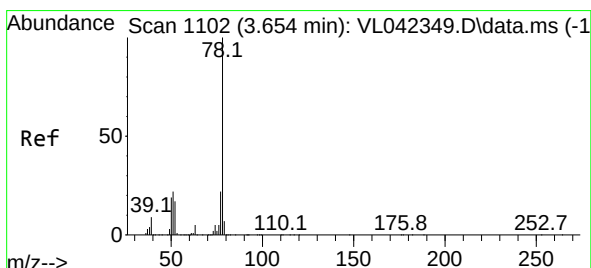
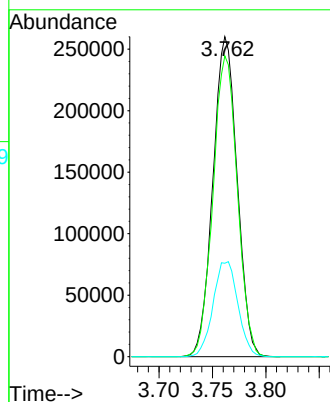
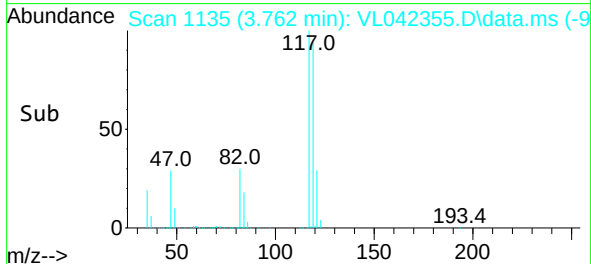
121 29.2 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 14.578 ppbv

RT: 3.655 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

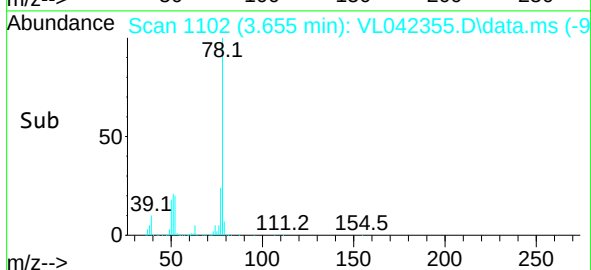
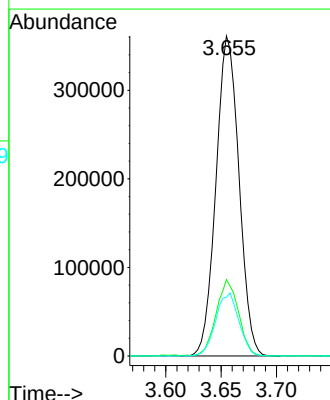
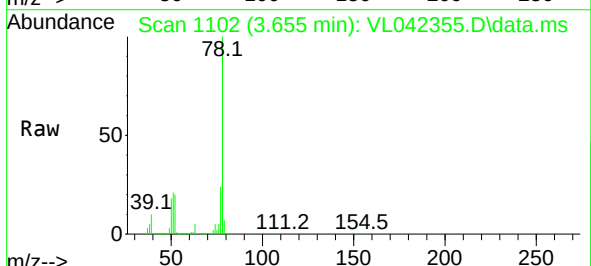
Tgt Ion: 78 Resp: 522156

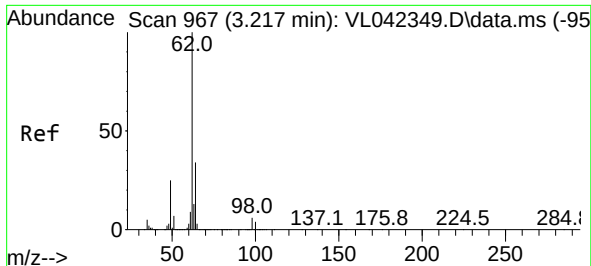
Ion Ratio Lower Upper

78 100

77 23.8 17.4 26.0

50 18.3 15.5 23.3





#37

1,2-Dichloroethane

Concen: 14.863 ppbv

RT: 3.218 min Scan# 967

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 31951

Ion Ratio Lower Upper

62 100

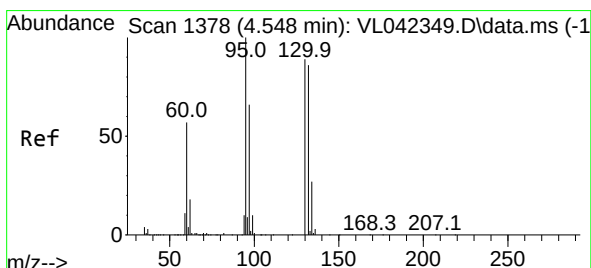
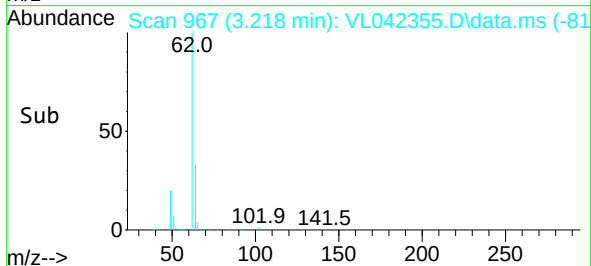
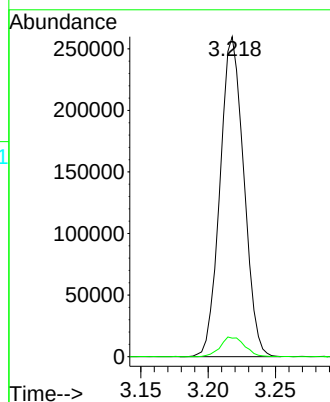
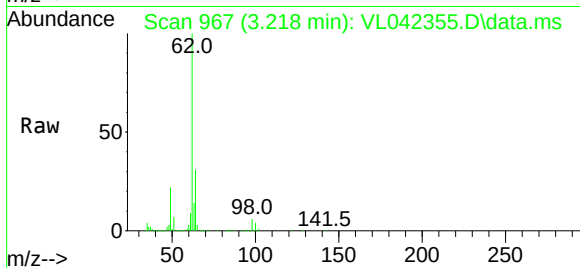
98 6.3 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 13.278 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Tgt Ion:130 Resp: 208508

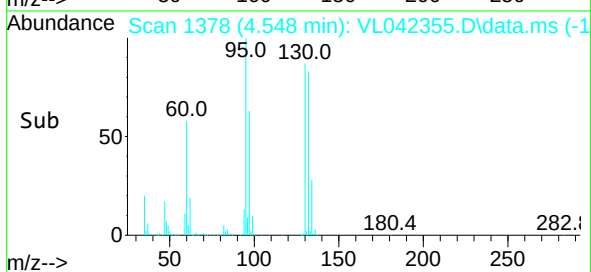
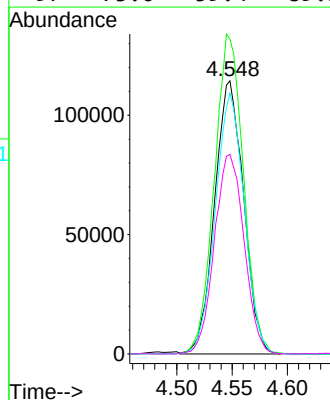
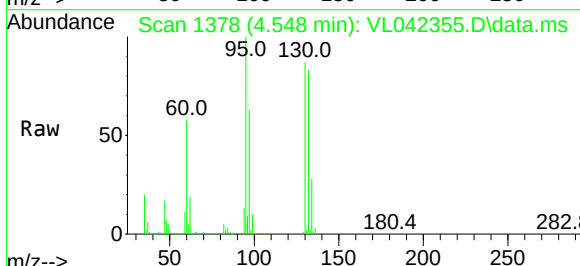
Ion Ratio Lower Upper

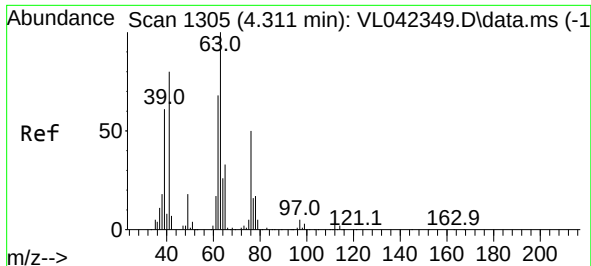
130 100

95 115.0 89.8 134.6

132 95.3 77.7 116.5

97 73.0 59.4 89.2





#39

1,2-Dichloropropane

Concen: 14.201 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042355.D

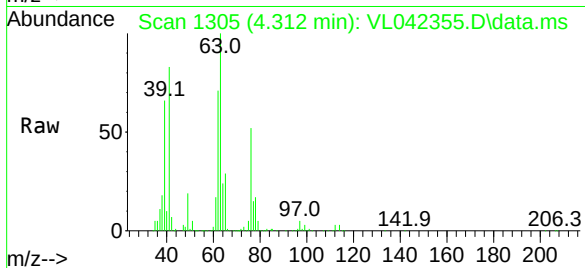
Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 63 Resp: 18969

Ion Ratio Lower Upper

63 100

41 82.7 64.2 96.2

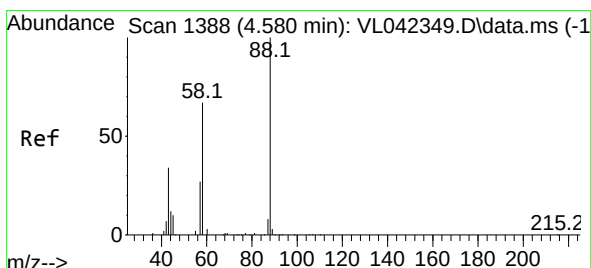
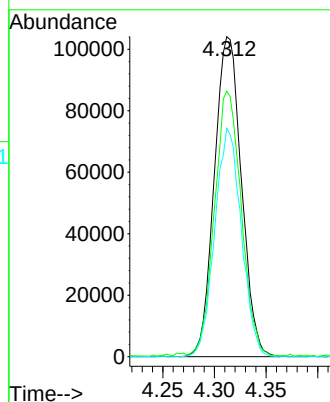
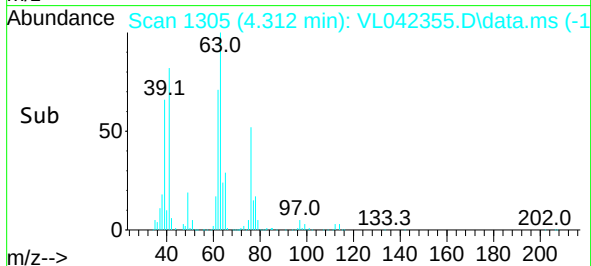
62 71.4 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 12.733 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Tgt Ion: 88 Resp: 92114

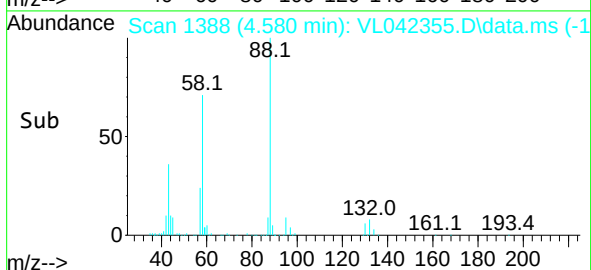
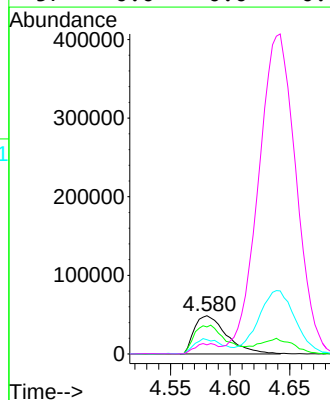
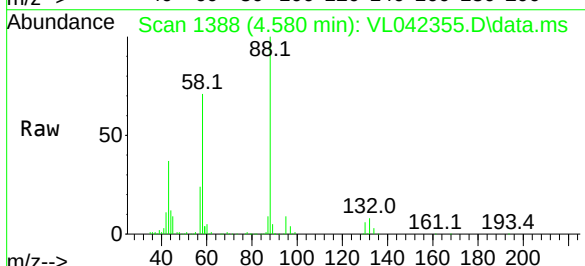
Ion Ratio Lower Upper

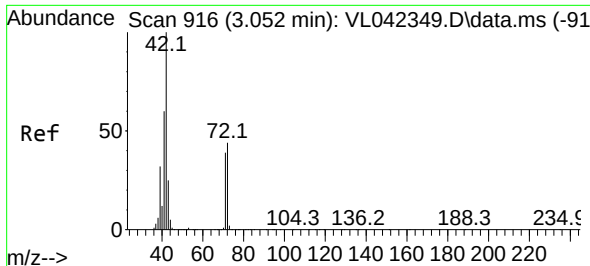
88 100

58 75.2 61.4 92.0

43 36.8 23.2 34.8#

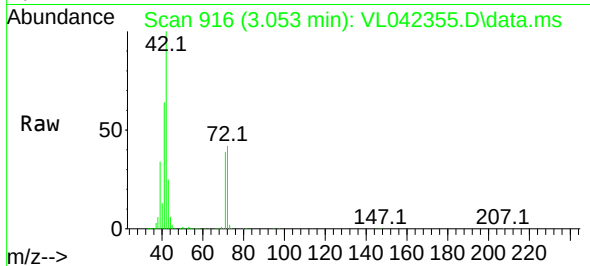
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 14.166 ppbv
RT: 3.053 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

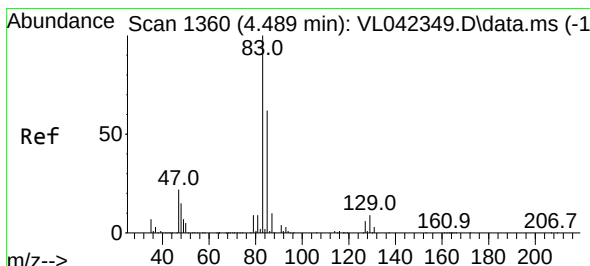
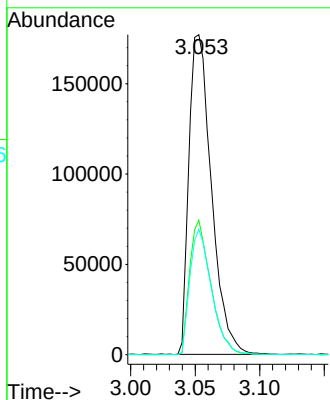
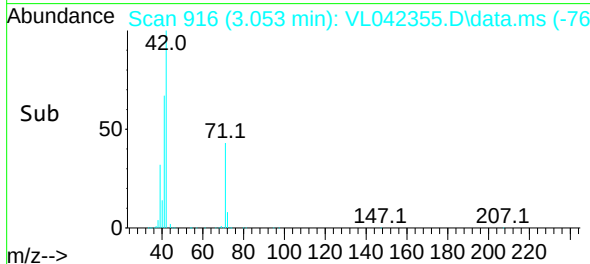
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



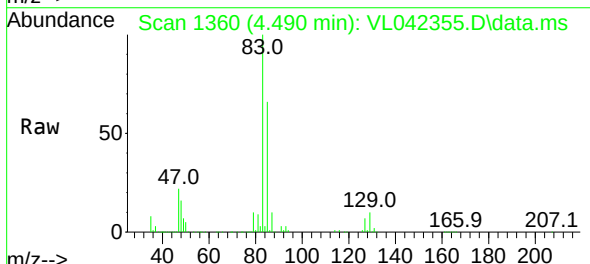
Tgt Ion: 42 Resp: 214949
Ion Ratio Lower Upper
42 100
72 39.7 32.3 48.5
71 37.9 31.4 47.2

Manual Integrations
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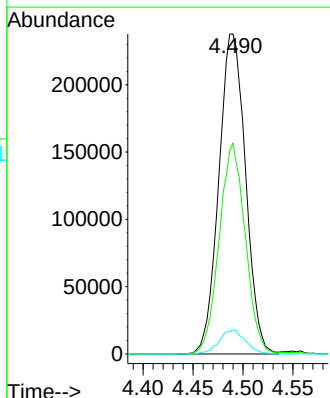
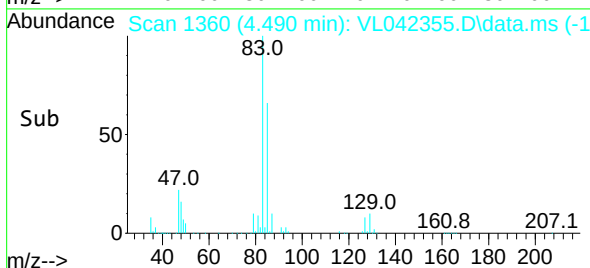
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

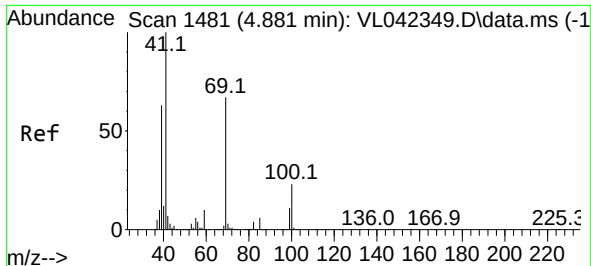


#42
Bromodichloromethane
Concen: 14.798 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



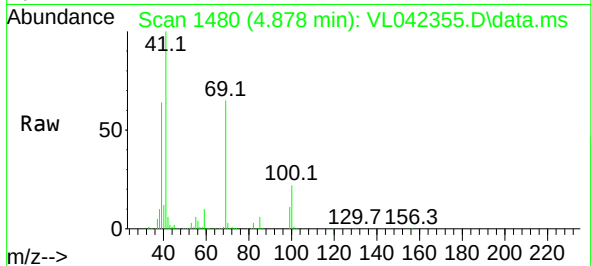
Tgt Ion: 83 Resp: 442735
Ion Ratio Lower Upper
83 100
85 65.9 49.7 74.5
127 7.5 5.1 7.7





#43
Methyl Methacrylate
Concen: 13.670 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

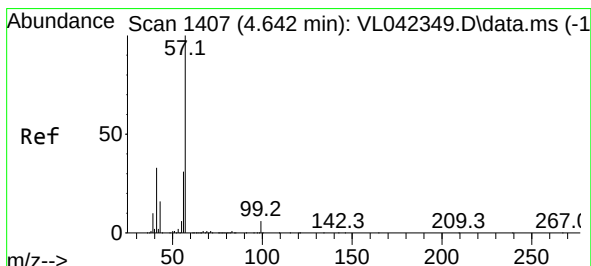
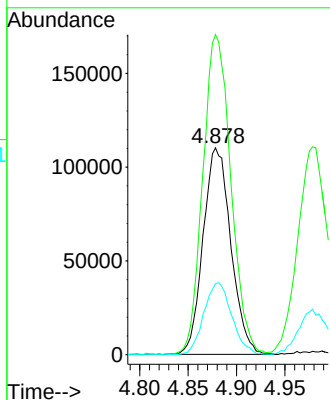
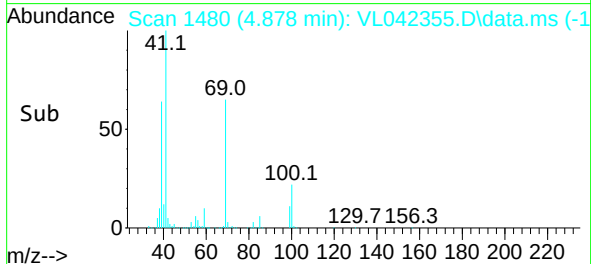
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



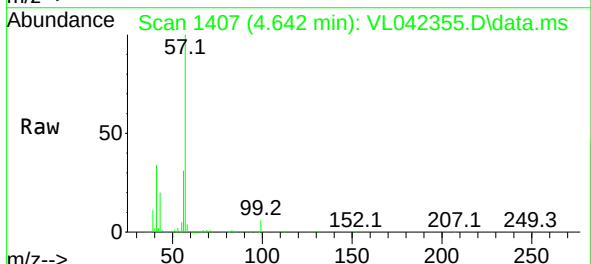
Tgt Ion: 69 Resp: 21975
Ion Ratio Lower Upper
69 100
41 156.6 118.6 177.8
100 35.2 28.2 42.2

Manual Integrations
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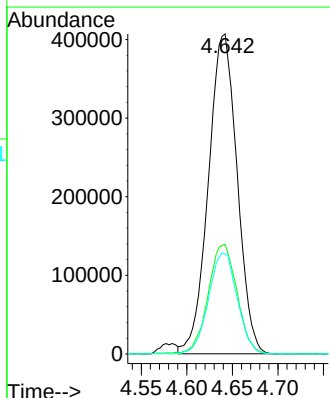
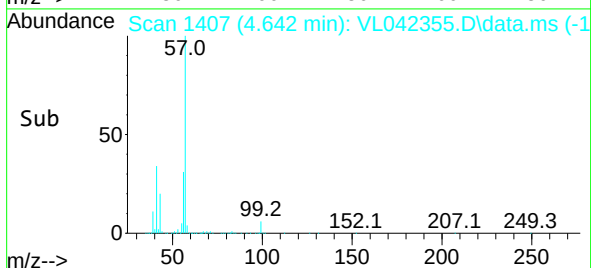
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

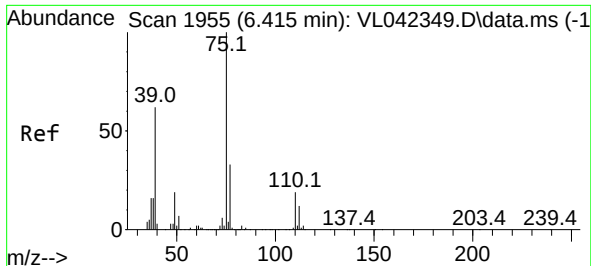


#44
2,2,4-Trimethylpentane
Concen: 14.425 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



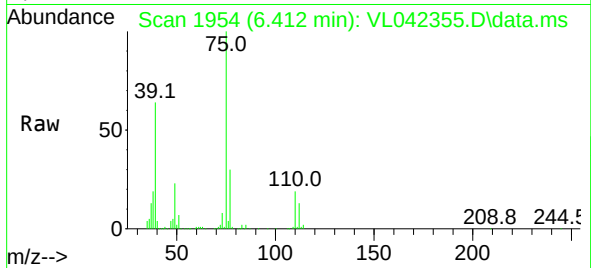
Tgt Ion: 57 Resp: 893529
Ion Ratio Lower Upper
57 100
41 34.4 27.2 40.8
56 31.6 25.7 38.5





#45
t-1,3-Dichloropropene
Concen: 14.810 ppbv
RT: 6.412 min Scan# 1955
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

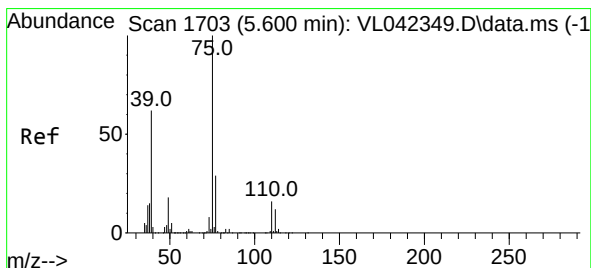
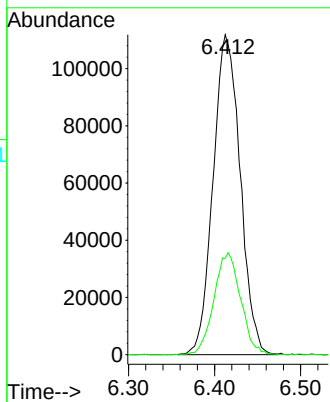
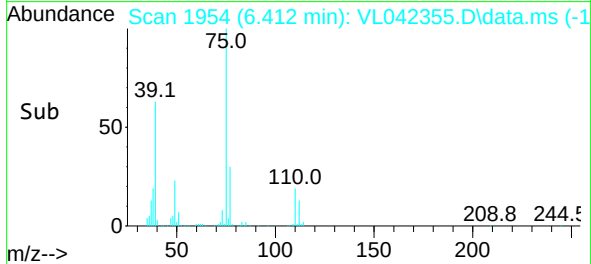
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 75 Resp: 244470
Ion Ratio Lower Upper
75 100
77 30.1 27.0 40.6

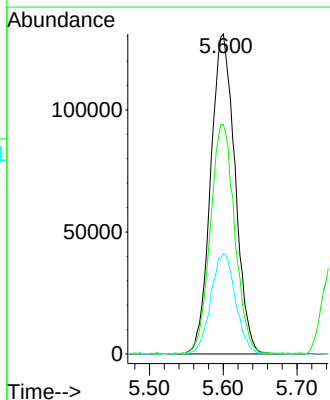
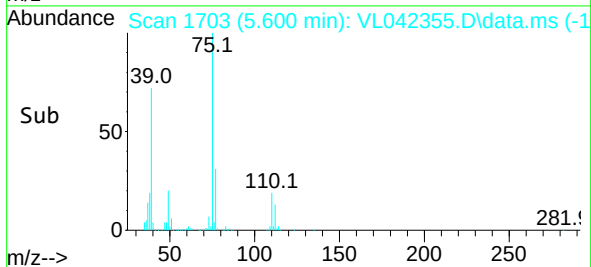
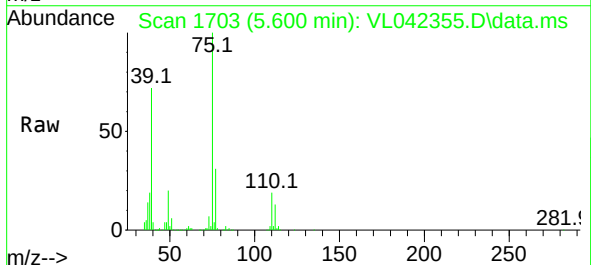
Manual Integrations
APPROVED

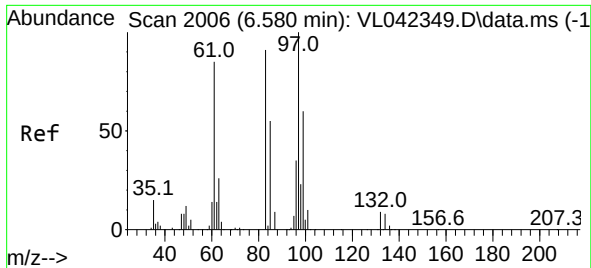
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#46
cis-1,3-Dichloropropene
Concen: 14.878 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 75 Resp: 300145
Ion Ratio Lower Upper
75 100
39 71.6 50.0 75.0
77 31.3 23.0 34.6





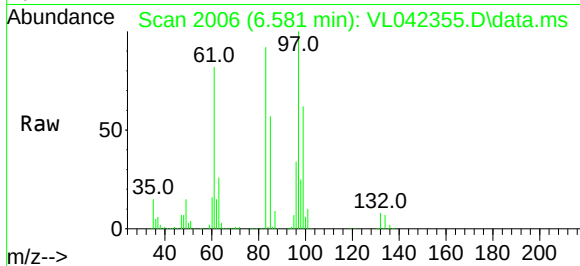
#47
1,1,2-Trichloroethane
Concen: 14.615 ppbv
RT: 6.581 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

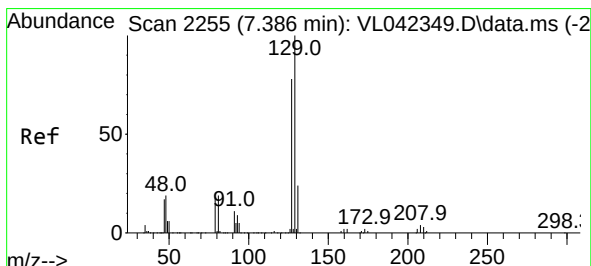
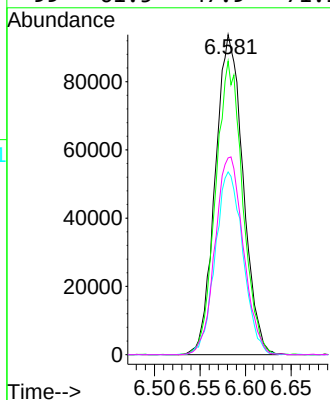
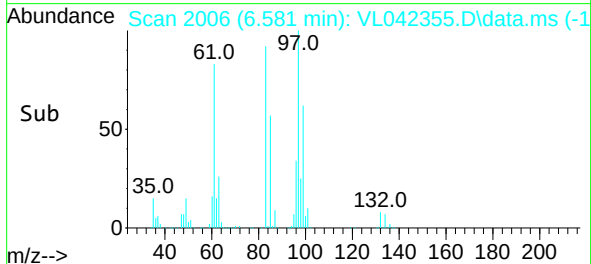


Tgt Ion: 97 Resp: 198874
Ion Ratio Lower Upper
97 100
83 91.7 72.8 109.2
85 57.0 44.2 66.4
99 61.5 47.9 71.9

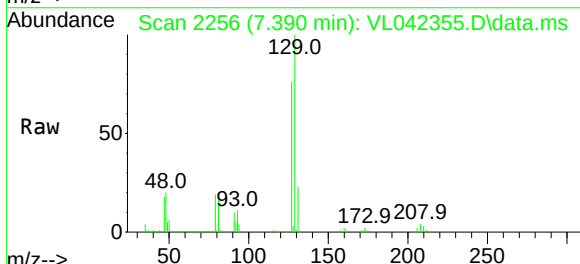
Manual Integrations

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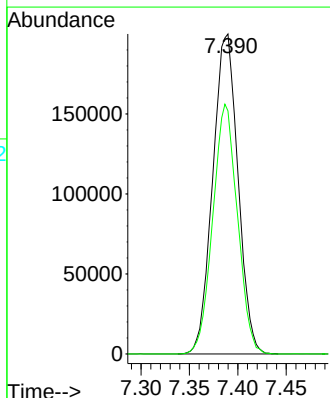
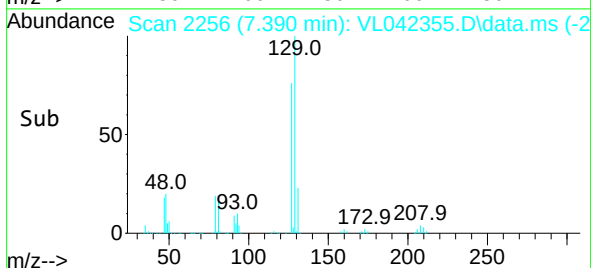
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

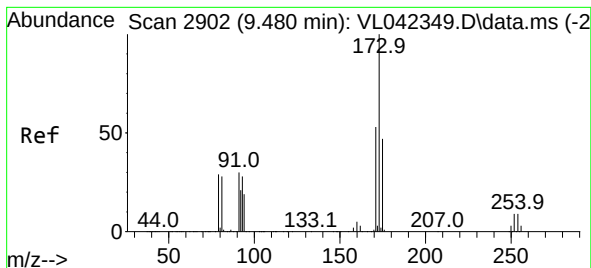


#48
Dibromochloromethane
Concen: 15.105 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



Tgt Ion:129 Resp: 362887
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.3





#49

Bromoform

Concen: 14.865 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.004 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

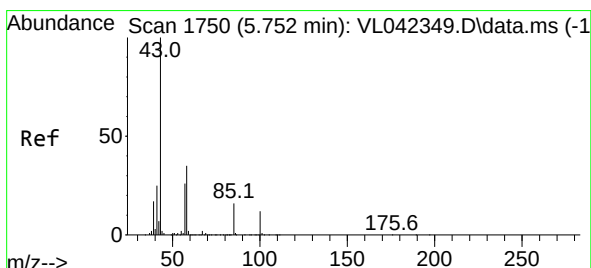
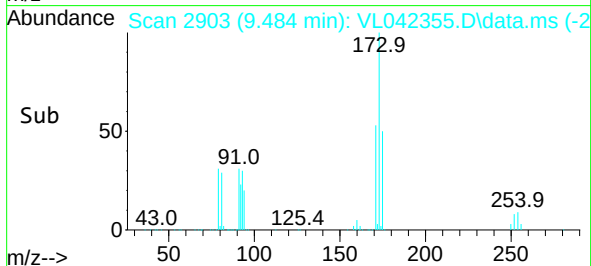
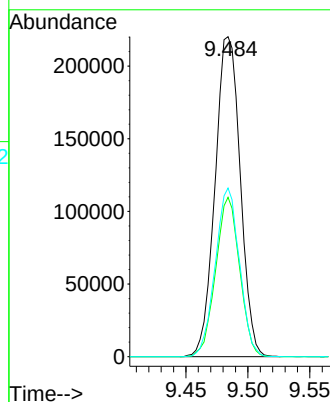
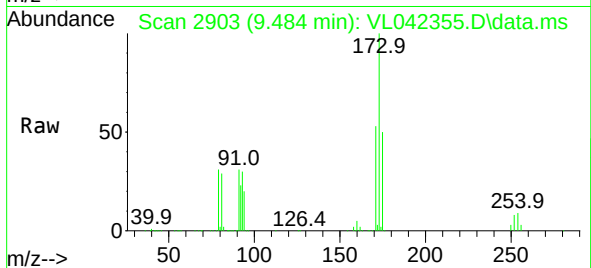
VSTDICC015

Tgt Ion:173 Resp: 31228
Ion Ratio Lower Upper
173 100
175 47.3 38.2 57.2
171 50.6 40.9 61.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#50

4-Methyl-2-Pentanone

Concen: 12.889 ppbv

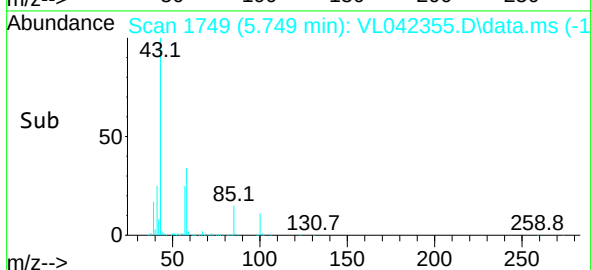
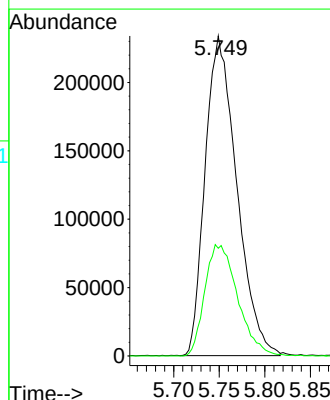
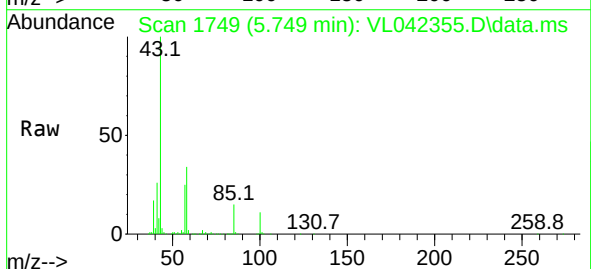
RT: 5.749 min Scan# 1749

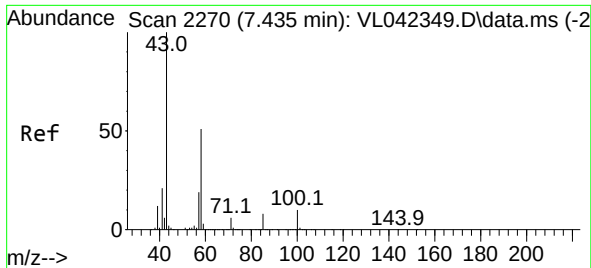
Delta R.T. -0.003 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

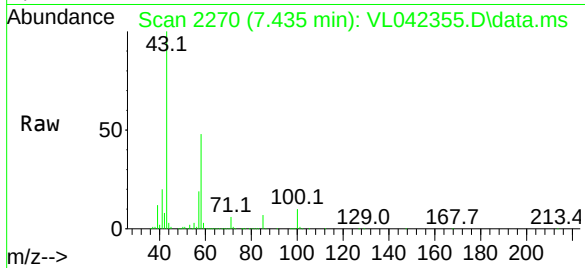
Tgt Ion: 43 Resp: 563658
Ion Ratio Lower Upper
43 100
58 36.3 28.6 43.0





#51
2-Hexanone
Concen: 11.834 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

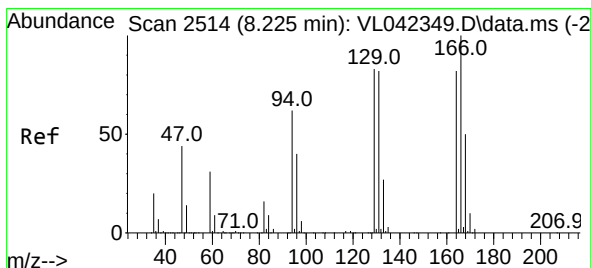
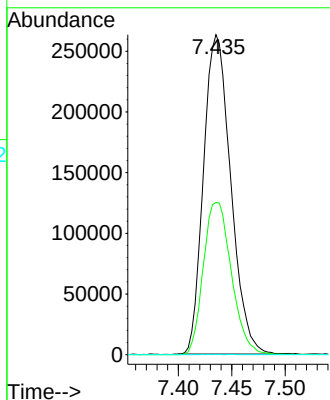
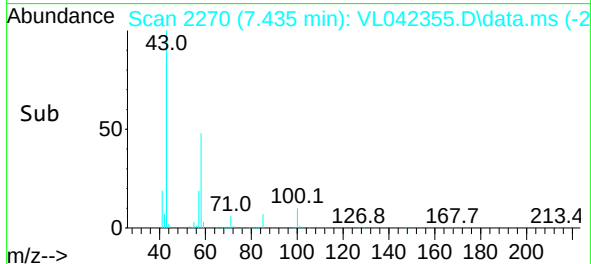
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



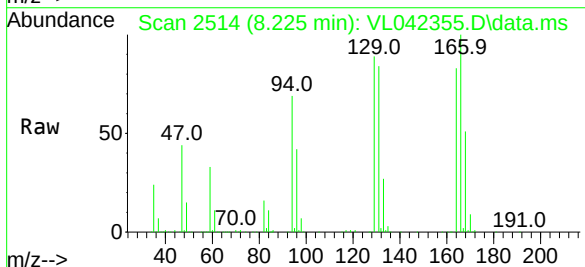
Tgt Ion: 43 Resp: 46700
Ion Ratio Lower Upper
43 100
58 49.2 40.2 60.4
98 0.0 0.1 0.1

Manual Integrations
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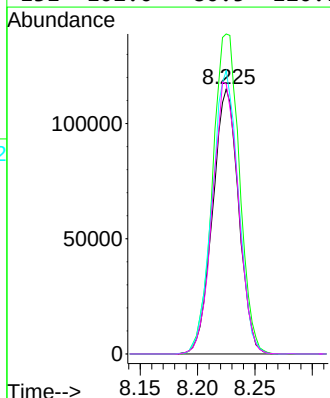
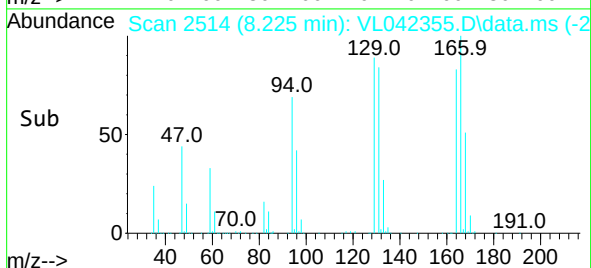
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

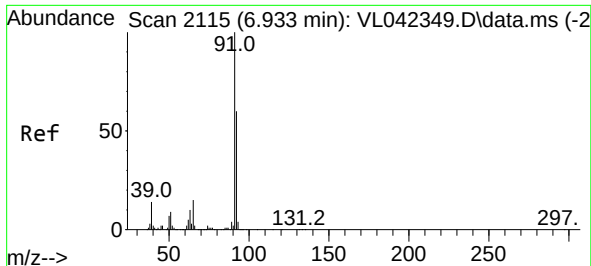


#52
Tetrachloroethene
Concen: 13.046 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



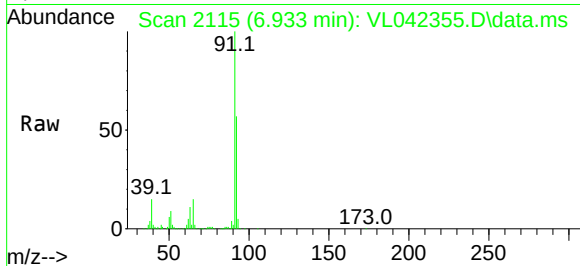
Tgt Ion:164 Resp: 180631
Ion Ratio Lower Upper
164 100
166 120.8 98.2 147.2
129 107.0 81.8 122.8
131 102.0 80.5 120.7





#53
Toluene
Concen: 14.411 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

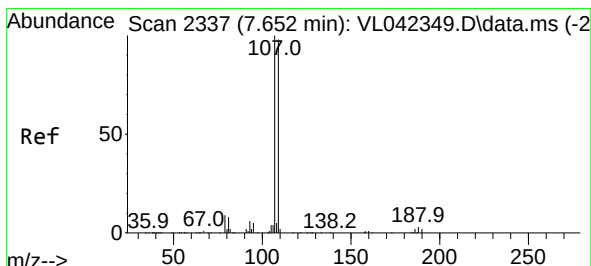
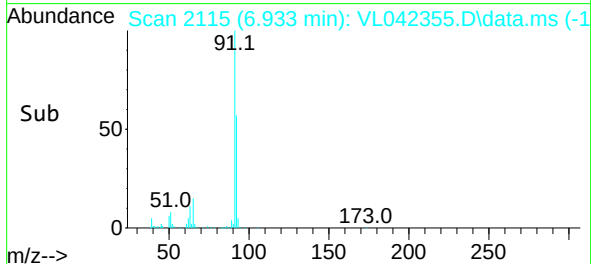
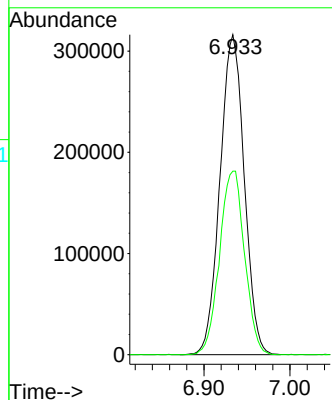
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 91 Resp: 619420
Ion Ratio Lower Upper
91 100
92 59.3 48.2 72.4

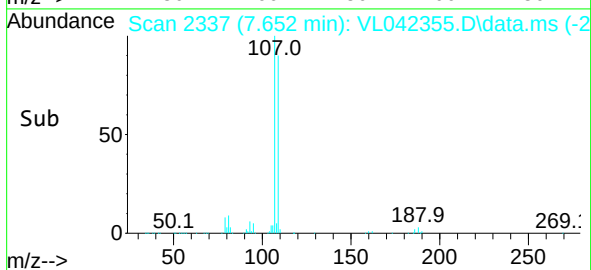
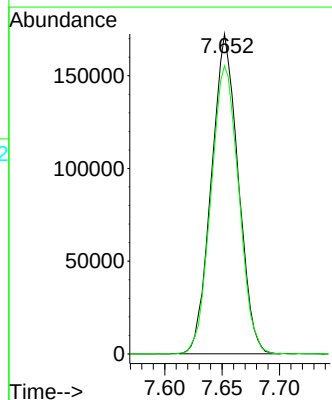
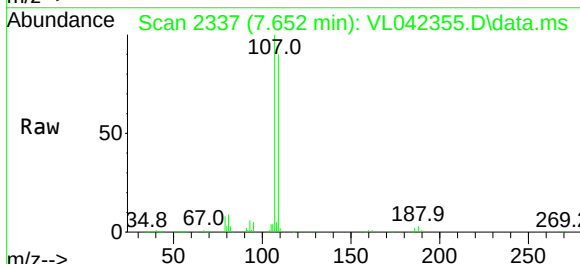
Manual Integrations
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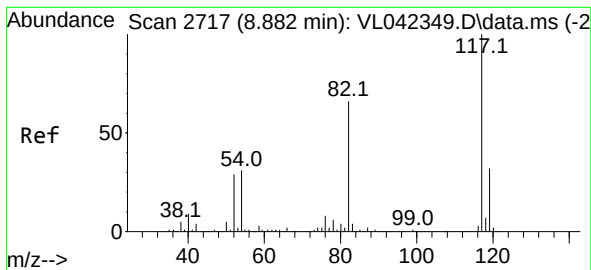
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#54
1,2-Dibromoethane
Concen: 14.442 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:107 Resp: 280071
Ion Ratio Lower Upper
107 100
109 89.9 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

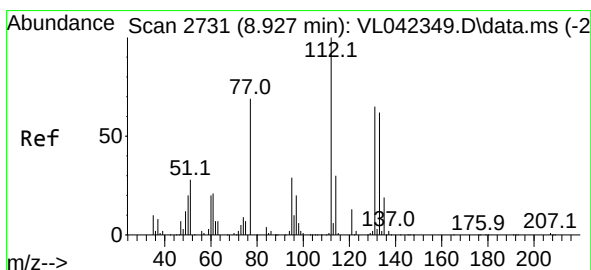
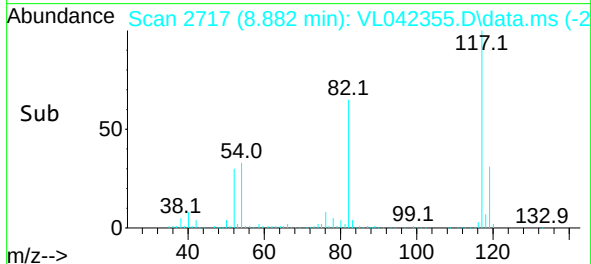
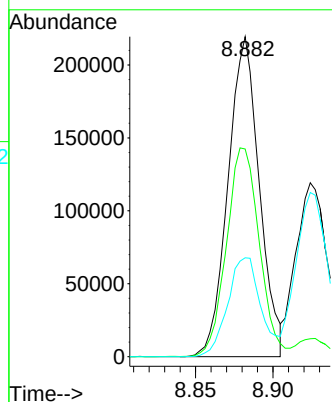
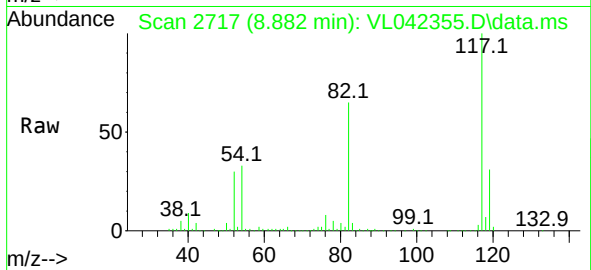
Tgt Ion:117 Resp: 30846

Ion	Ratio	Lower	Upper
117	100		
82	74.2	57.8	86.6
119	31.4	25.2	37.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 14.389 ppbv

RT: 8.927 min Scan# 2731

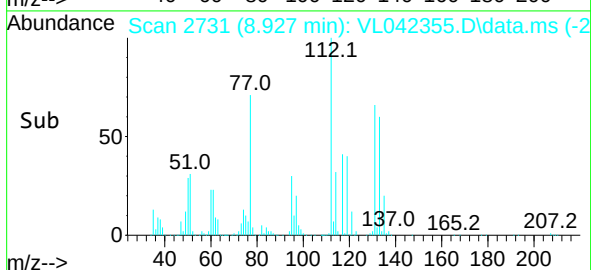
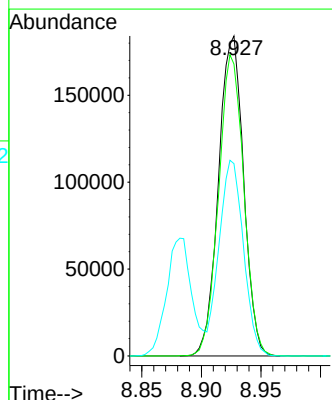
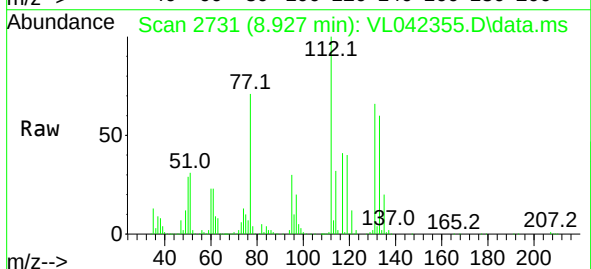
Delta R.T. 0.000 min

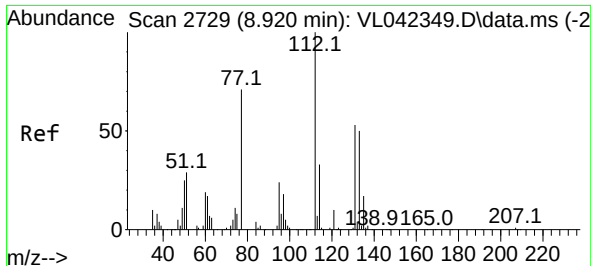
Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Tgt Ion:131 Resp: 268626

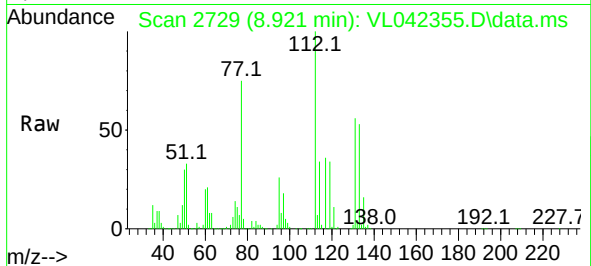
Ion	Ratio	Lower	Upper
131	100		
133	94.6	78.3	117.5
119	59.4	48.7	73.1





#57
Chlorobenzene
Concen: 14.151 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

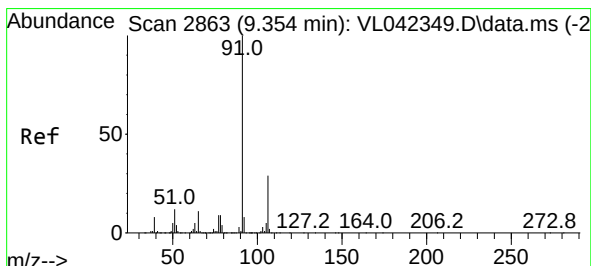
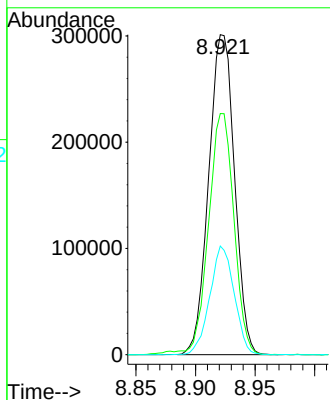
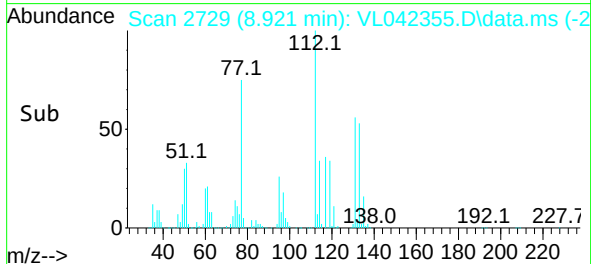
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 112 Resp: 45401
Ion Ratio Lower Upper
112 100
77 75.3 57.8 86.6
114 33.9 29.3 35.9

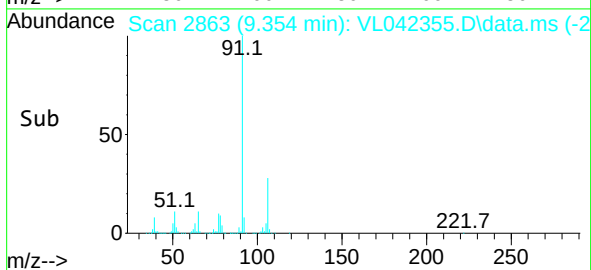
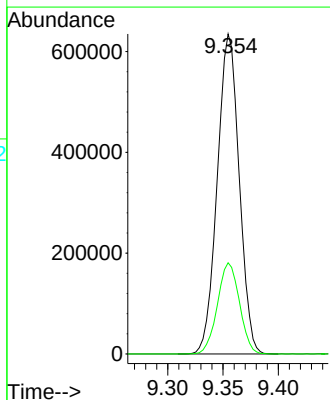
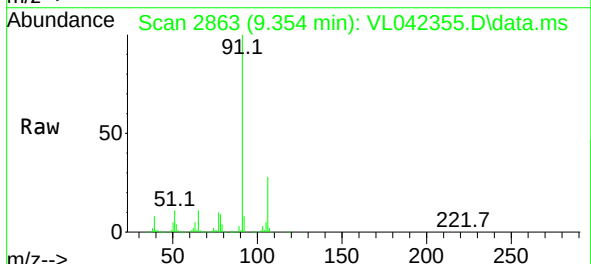
Manual Integrations
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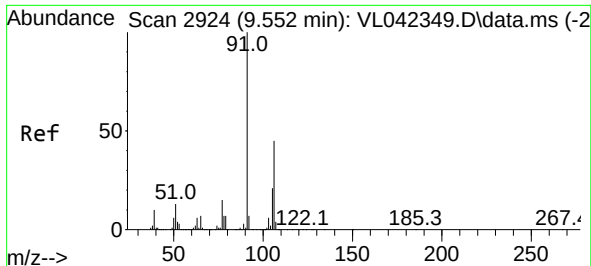
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 14.308 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 874424
Ion Ratio Lower Upper
91 100
106 28.5 23.0 34.4





#59

m/p-Xylene

Concen: 28.109 ppbv m

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 91 Resp: 138808

Ion Ratio Lower Upper

91 100

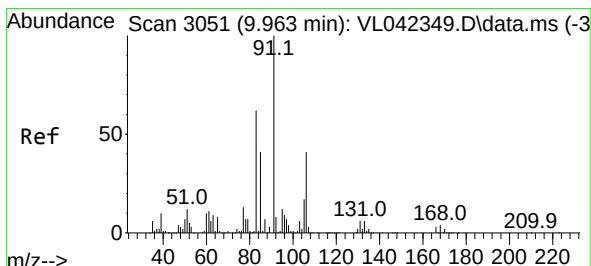
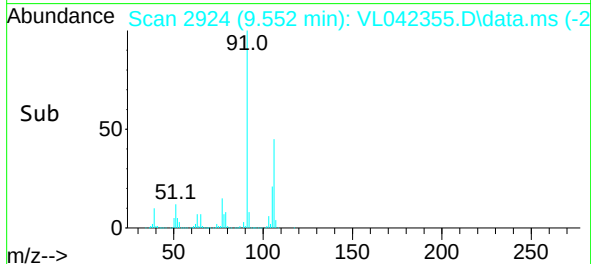
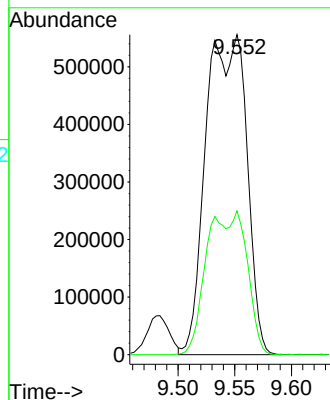
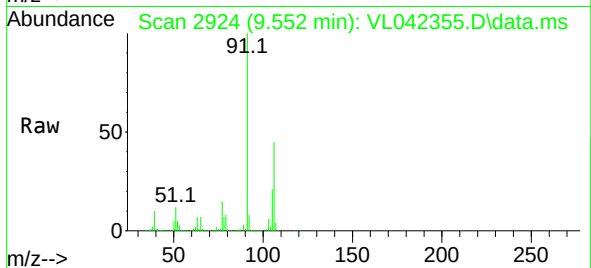
106 44.5 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 13.902 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042355.D

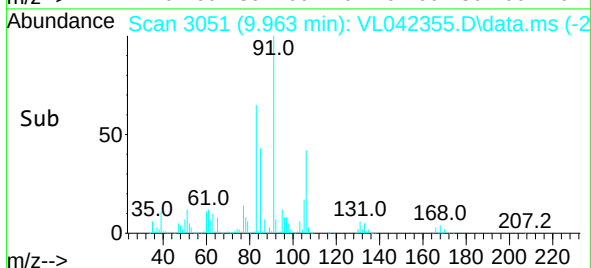
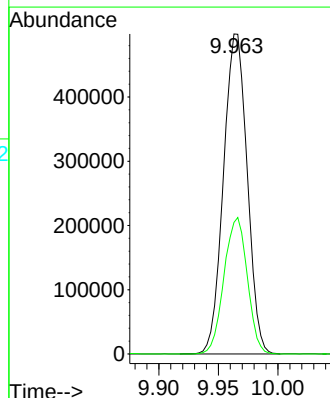
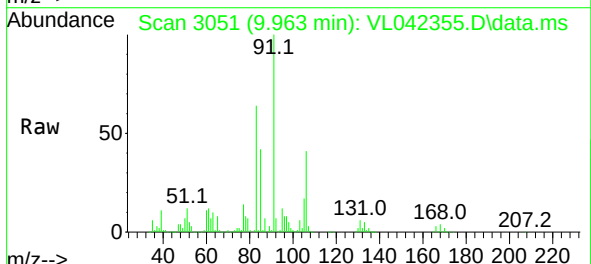
Acq: 17 Apr 2025 12:54

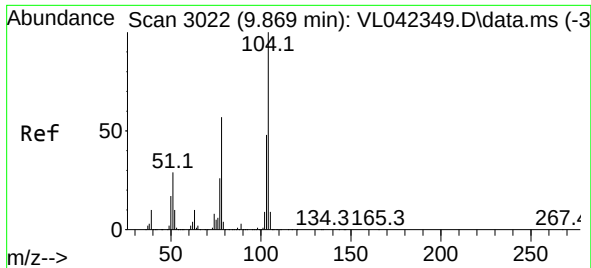
Tgt Ion: 91 Resp: 689246

Ion Ratio Lower Upper

91 100

106 41.9 21.1 63.4





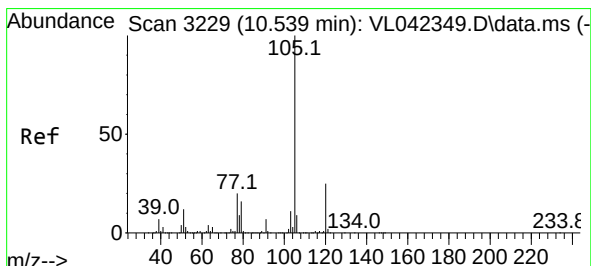
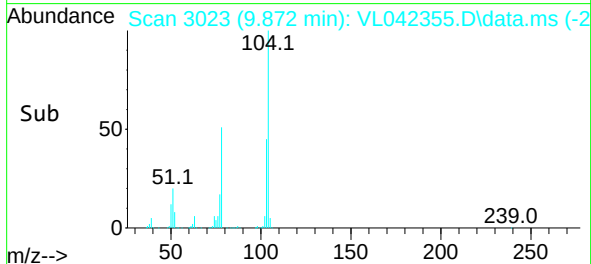
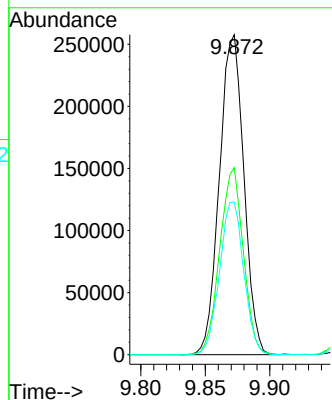
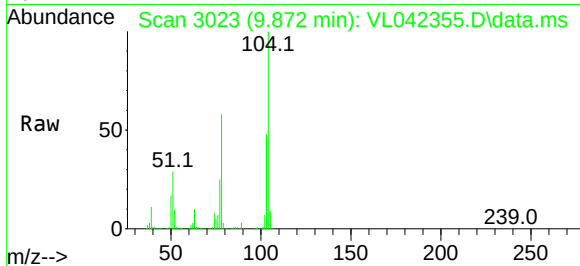
#61
Styrene
Concen: 14.347 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 339508
Ion Ratio Lower Upper
104 100
78 56.4 44.6 66.8
103 47.3 37.4 56.0

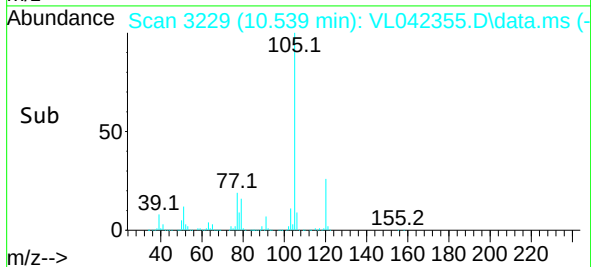
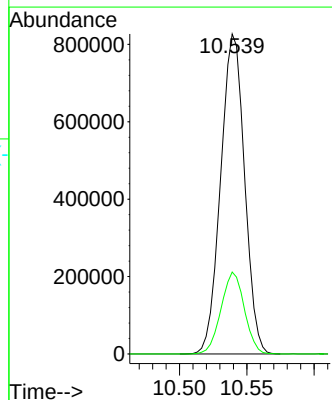
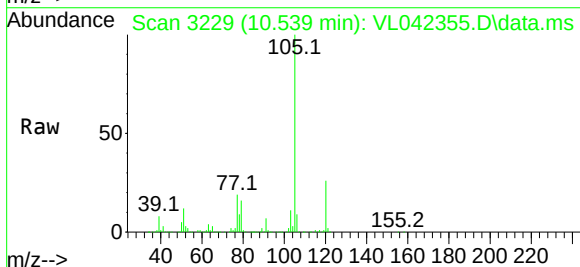
Manual Integrations
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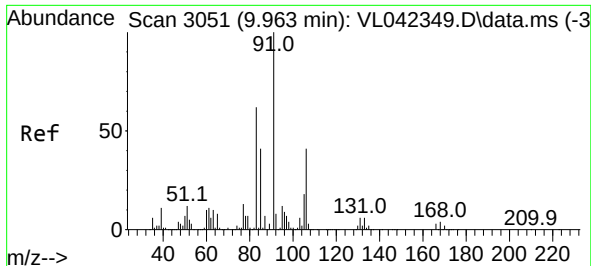
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 13.999 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

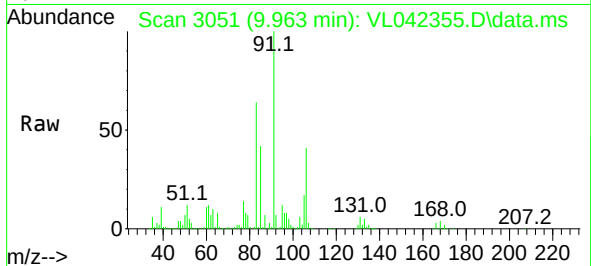
Tgt Ion:105 Resp: 1018968
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 12.816 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

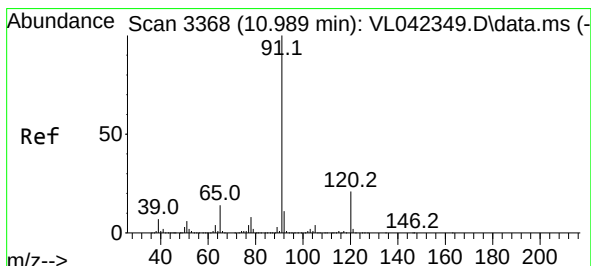
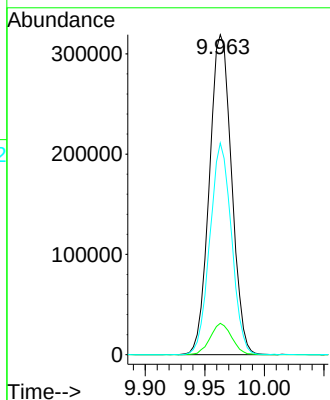
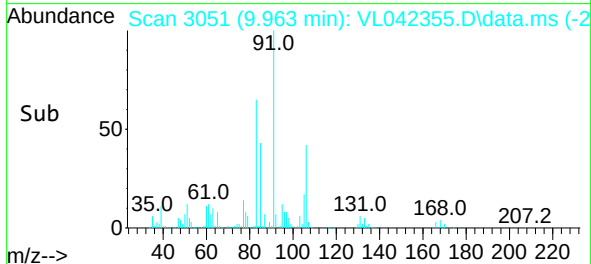
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



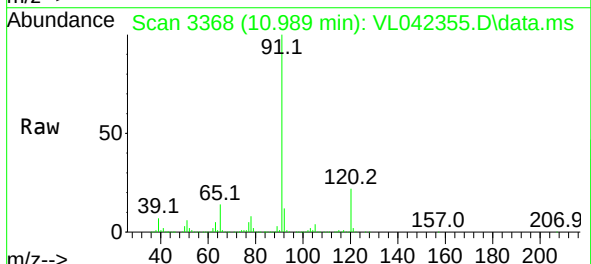
Tgt Ion: 83 Resp: 412898
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.7
85 64.5 32.4 97.0

Manual Integrations
APPROVED

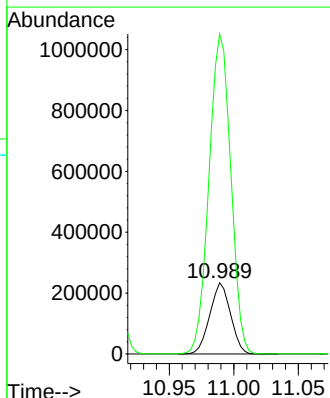
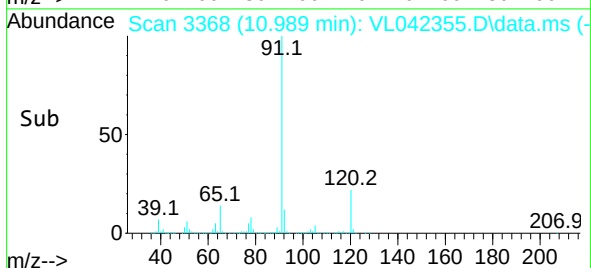
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

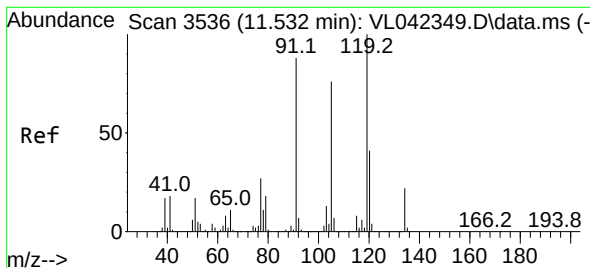


#64
n-propylbenzene
Concen: 14.255 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



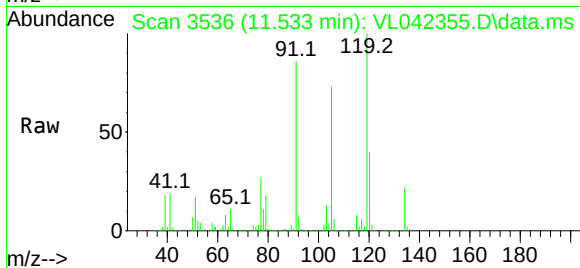
Tgt Ion:120 Resp: 260812
Ion Ratio Lower Upper
120 100
91 473.2 392.4 588.6





#65
tert-Butylbenzene
Concen: 13.449 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

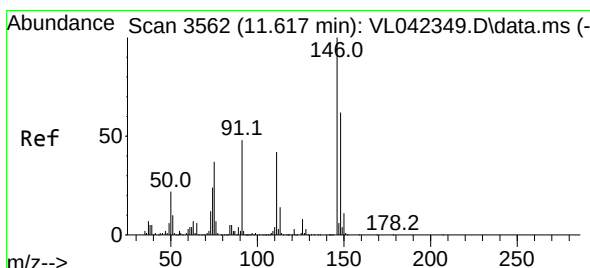
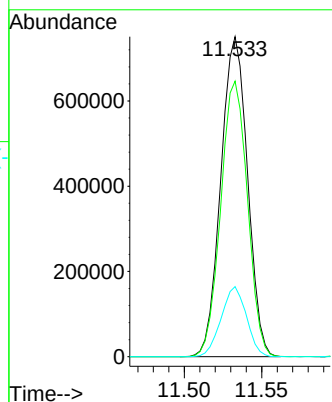
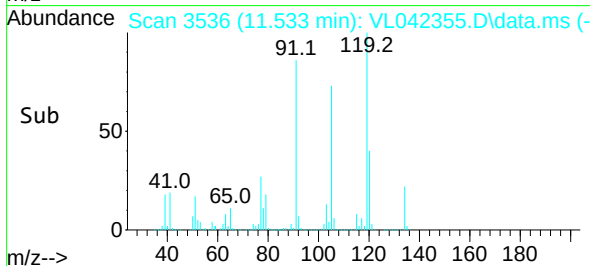
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 119 Resp: 899720
Ion Ratio Lower Upper
119 100
91 86.2 74.6 111.8
134 20.8 18.8 28.2

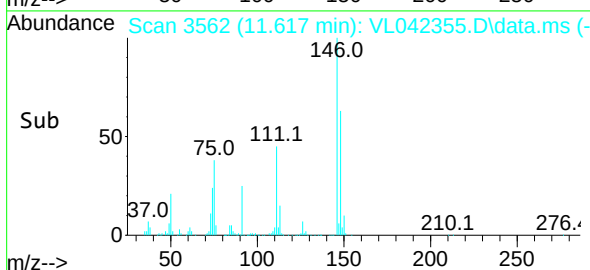
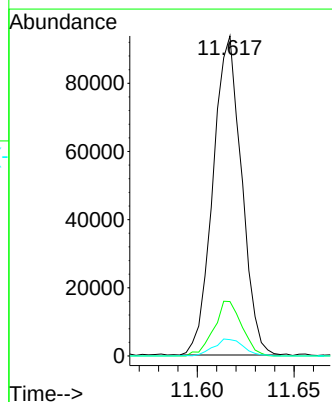
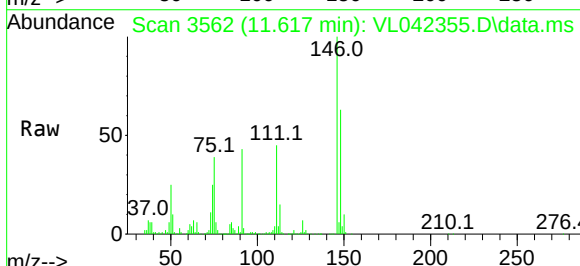
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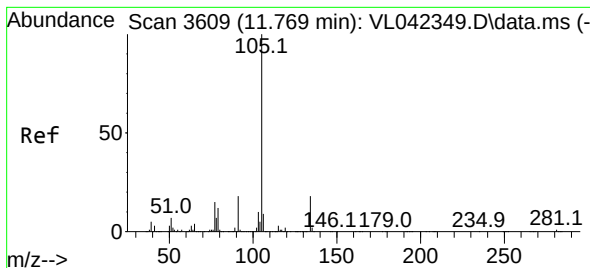
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#66
Benzyl Chloride
Concen: 13.061 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

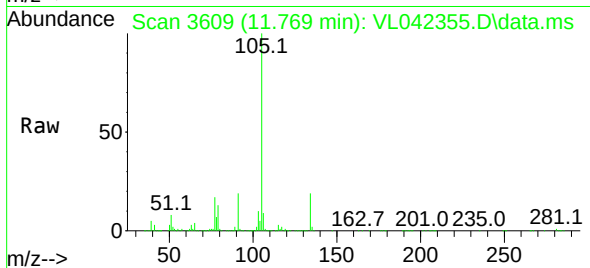
Tgt Ion: 91 Resp: 96016
Ion Ratio Lower Upper
91 100
126 16.8 11.8 17.6
128 5.5 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 13.468 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

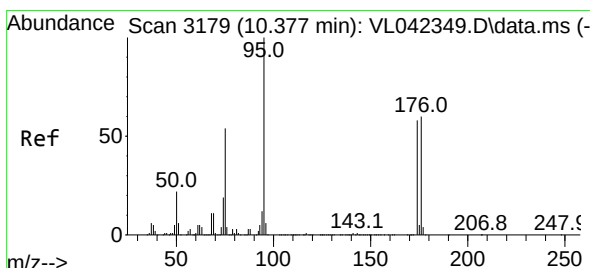
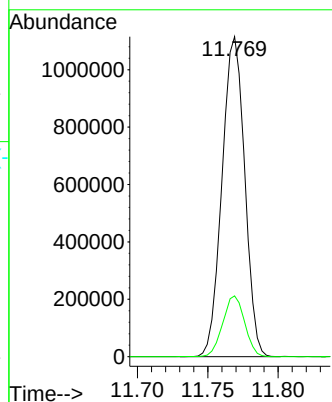
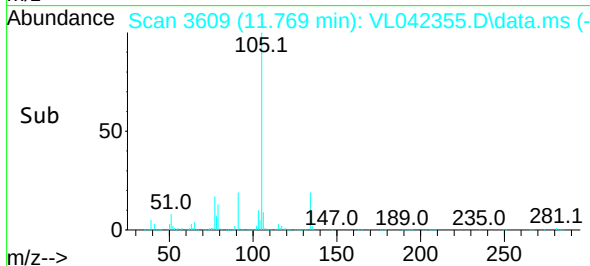
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



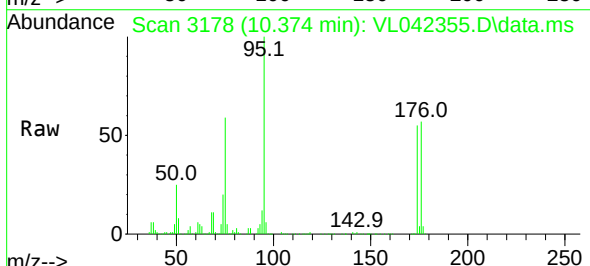
Tgt Ion:105 Resp: 125326
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 21.8

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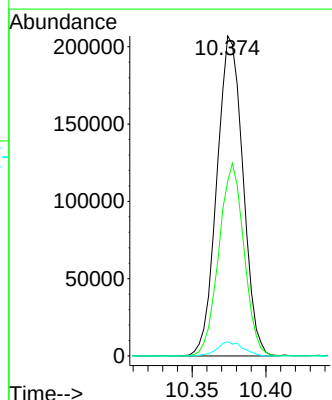
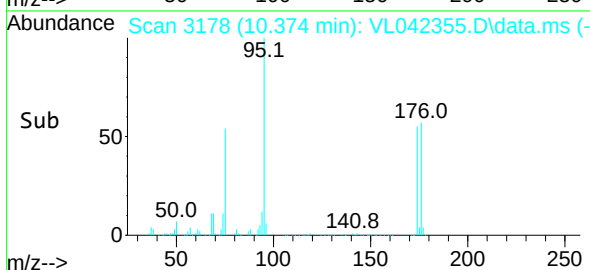
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

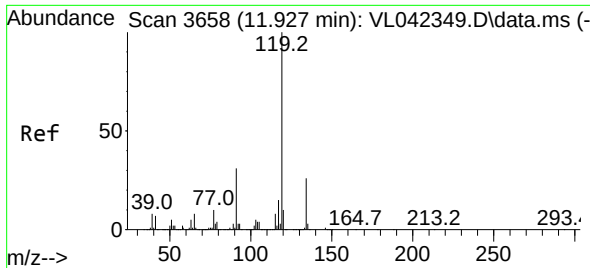


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.038 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.003 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54



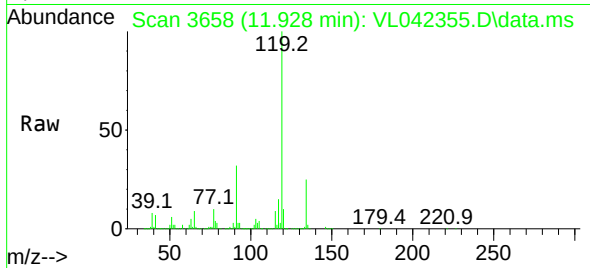
Tgt Ion: 95 Resp: 254437
 Ion Ratio Lower Upper
 95 100
 174 58.1 48.5 72.7
 175 4.4 3.7 5.5





#69
p-Isopropyltoluene
Concen: 13.382 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

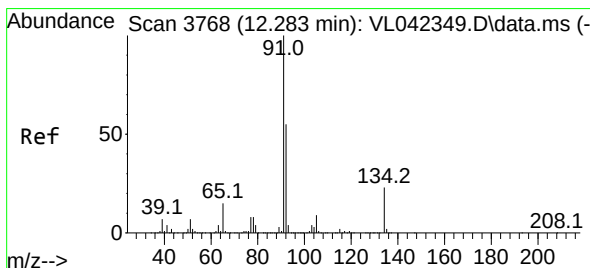
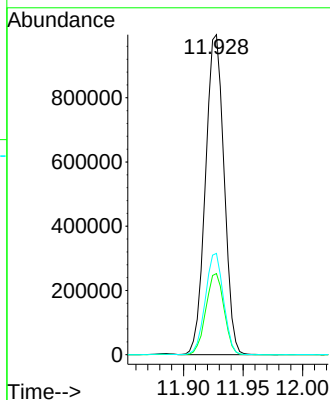
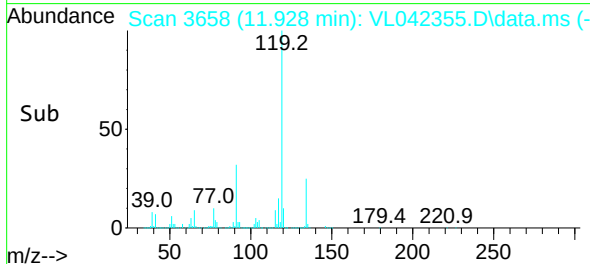
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



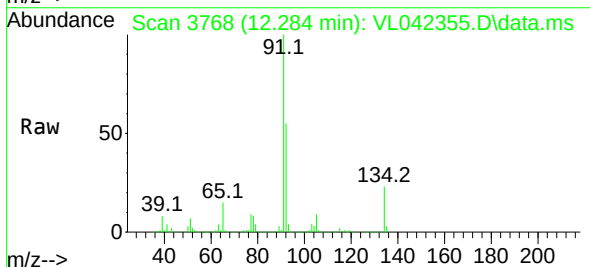
Tgt Ion:119 Resp: 1081850
Ion Ratio Lower Upper
119 100
134 25.0 20.0 30.0
91 31.1 24.4 36.6

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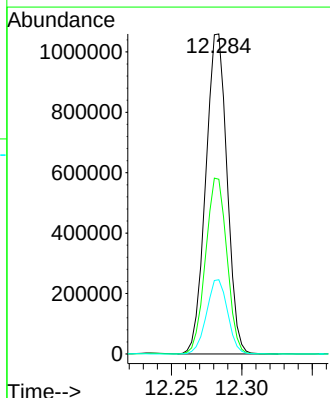
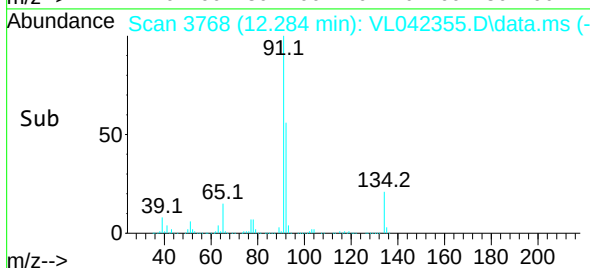
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

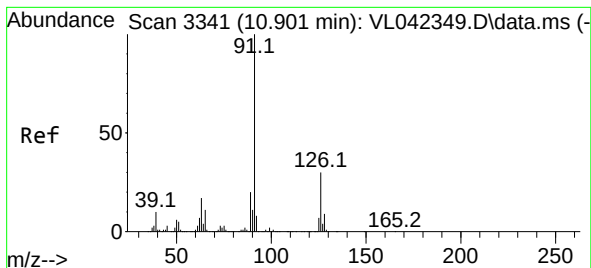


#70
n-Butylbenzene
Concen: 13.266 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



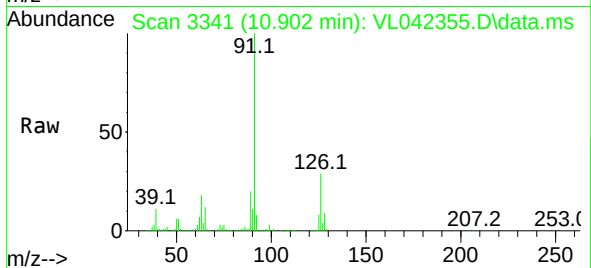
Tgt Ion: 91 Resp: 1117042
Ion Ratio Lower Upper
91 100
92 55.3 44.2 66.4
134 23.0 18.2 27.4





#71
2-Chlorotoluene
Concen: 14.131 ppbv
RT: 10.902 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

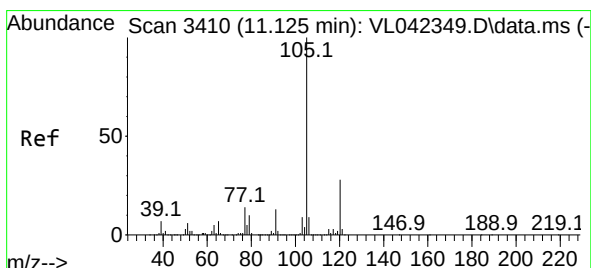
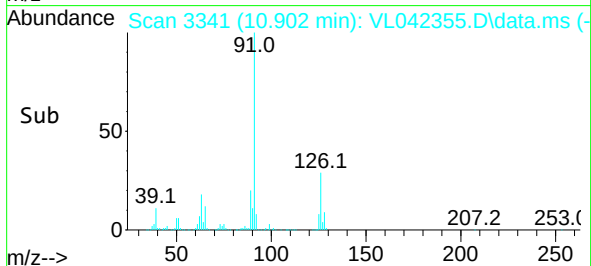
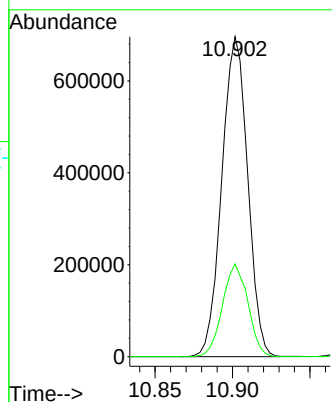
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 91 Resp: 806728
Ion Ratio Lower Upper
91 100
126 28.4 11.4 45.4

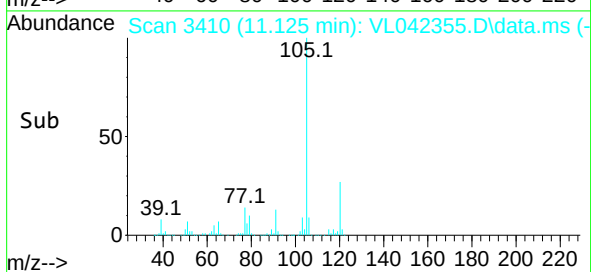
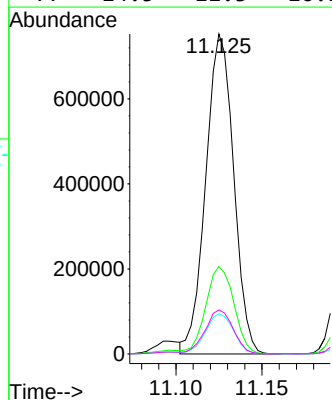
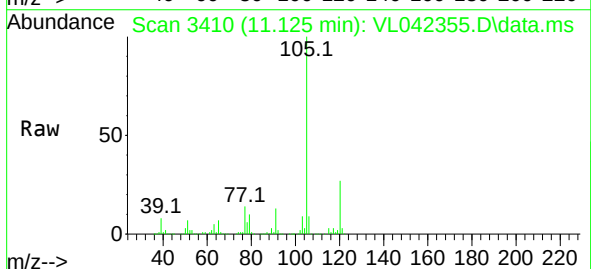
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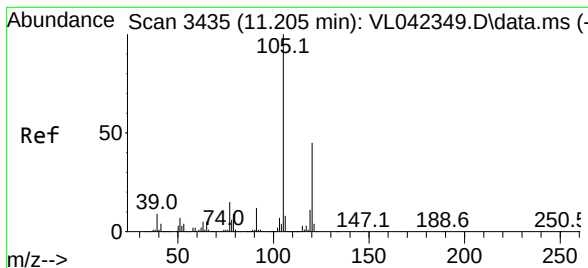
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 13.992 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 848077
Ion Ratio Lower Upper
105 100
120 28.7 23.2 34.8
91 13.5 10.4 15.6
77 14.5 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 13.578 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 726558

Ion Ratio Lower Upper

105 100

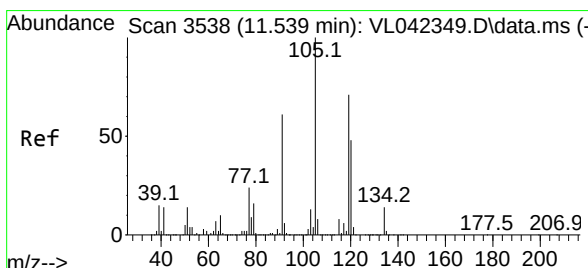
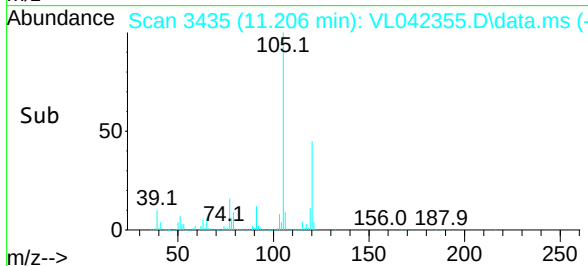
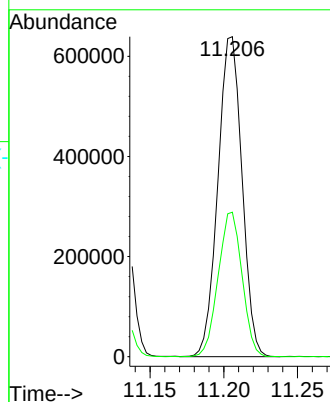
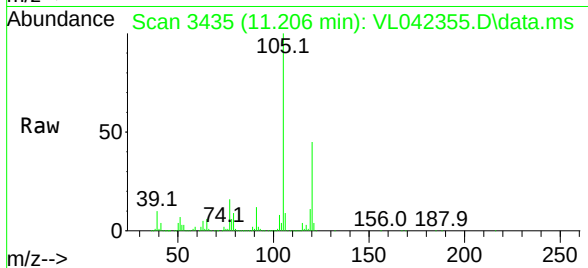
120 45.1 35.6 53.4

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.572 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042355.D

Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 785772

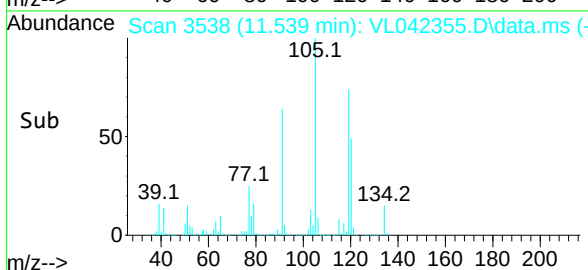
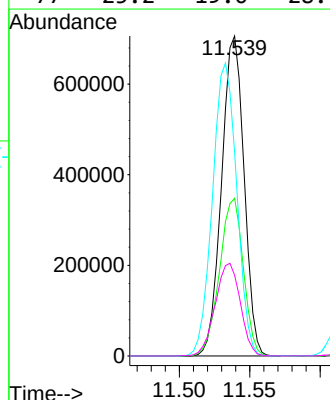
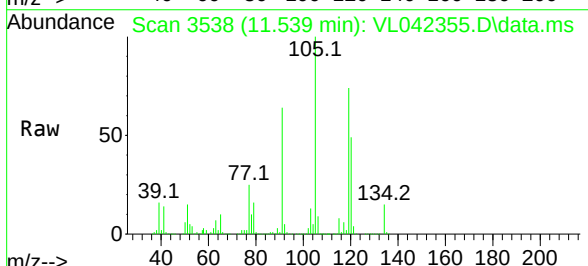
Ion Ratio Lower Upper

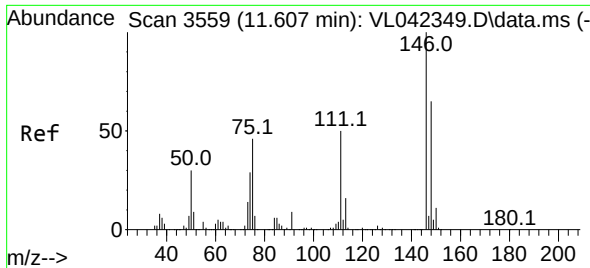
105 100

120 49.3 38.1 57.1

91 63.7 48.8 73.2

77 25.2 19.0 28.4





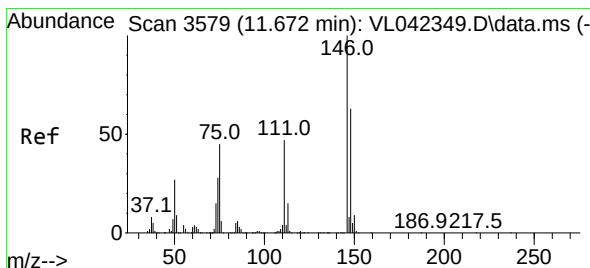
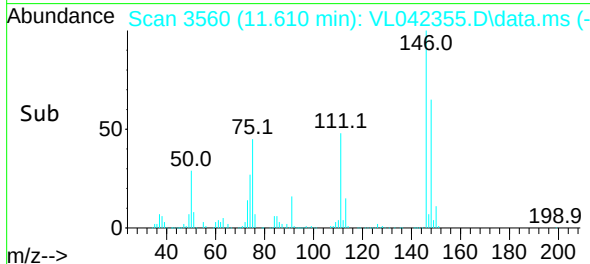
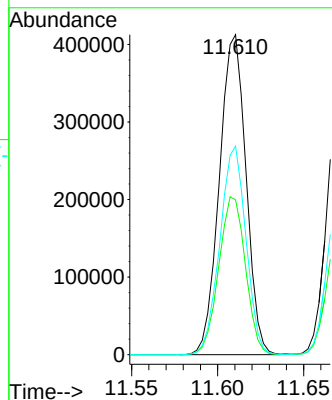
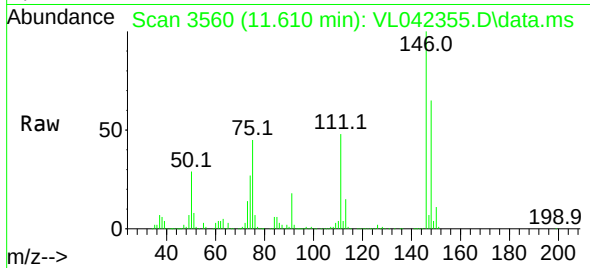
#75
1,3-Dichlorobenzene
Concen: 13.670 ppbv
RT: 11.610 min Scan# 3559
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:146 Resp: 444086
Ion Ratio Lower Upper
146 100
111 49.6 24.3 72.8
148 63.9 31.6 94.8

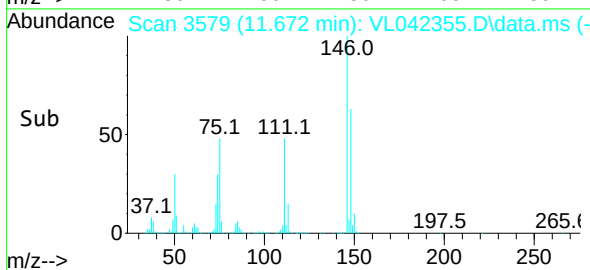
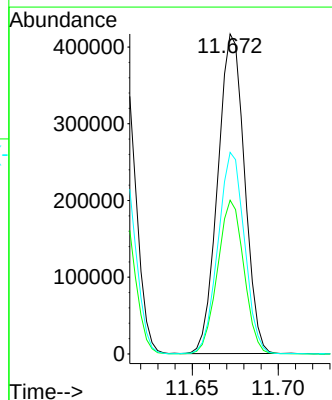
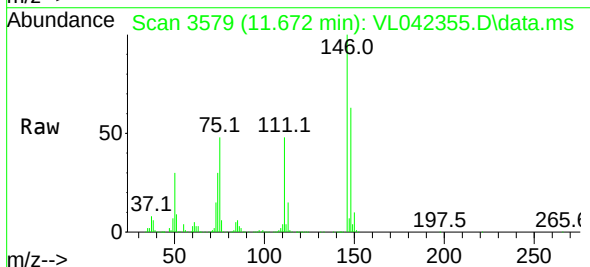
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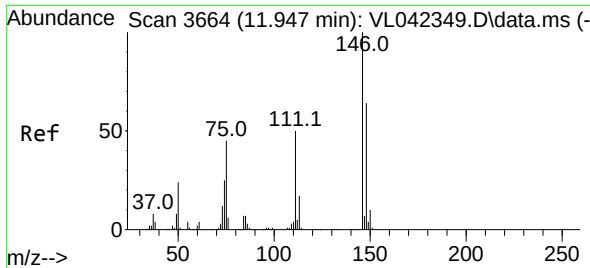
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76
1,4-Dichlorobenzene
Concen: 13.802 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

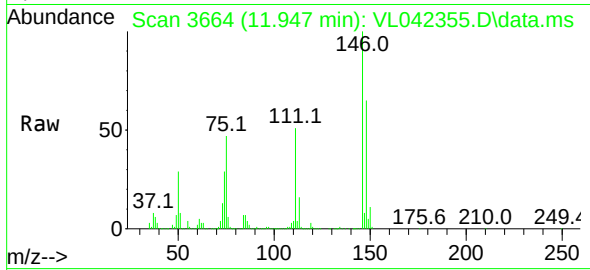
Tgt Ion:146 Resp: 450662
Ion Ratio Lower Upper
146 100
111 47.4 24.2 72.6
148 62.6 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 13.529 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

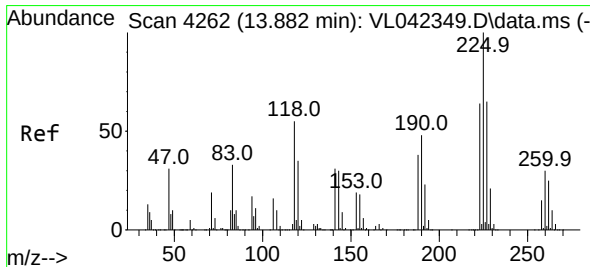
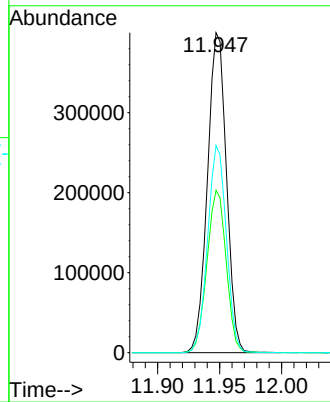
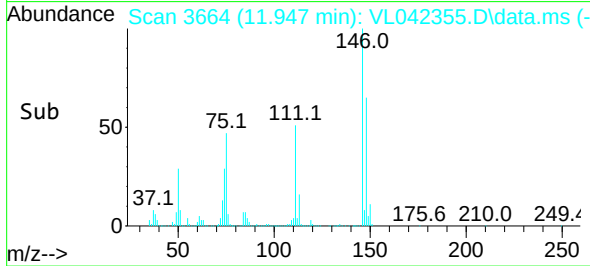
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



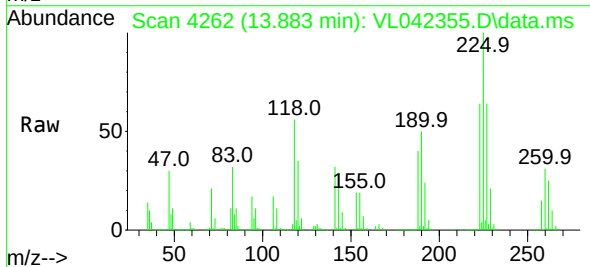
Tgt Ion:146 Resp: 427372
Ion Ratio Lower Upper
146 100
111 51.3 25.3 75.9
148 63.8 31.5 94.5

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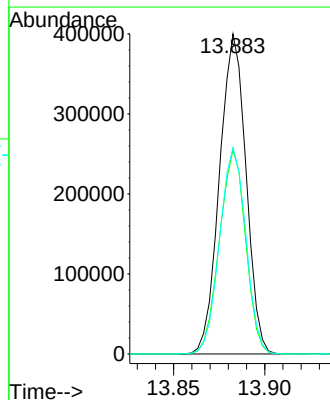
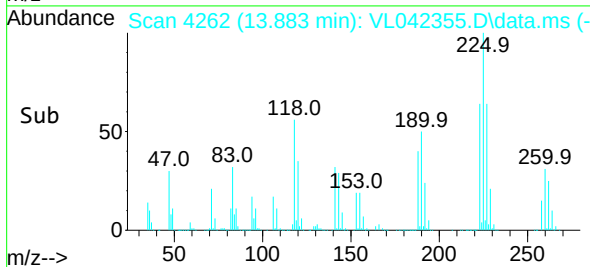
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

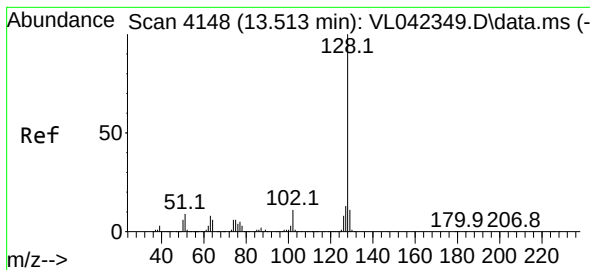


#78
Hexachloro-1,3-Butadiene
Concen: 12.679 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



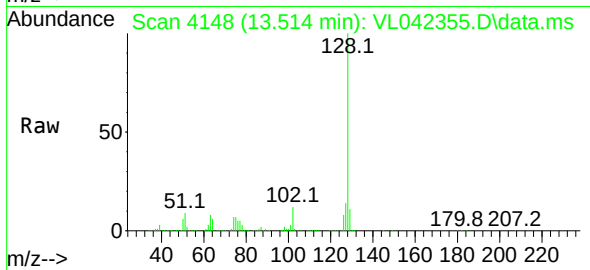
Tgt Ion:225 Resp: 404441
Ion Ratio Lower Upper
225 100
223 62.8 50.3 75.5
227 63.8 51.5 77.3





#79
Naphthalene
Concen: 12.632 ppbv
RT: 13.514 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

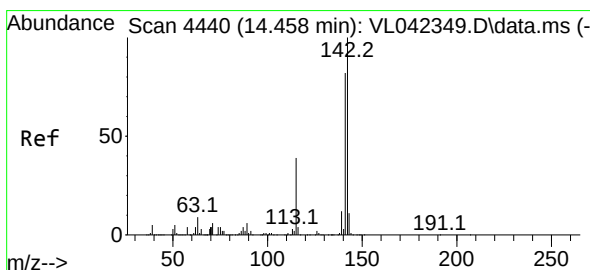
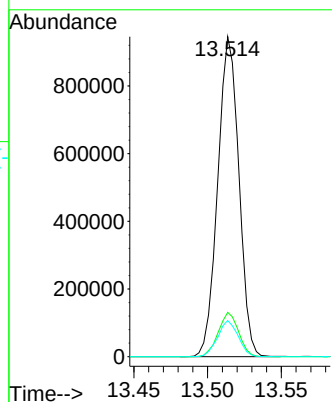
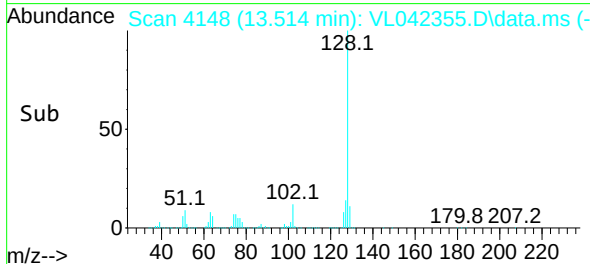
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



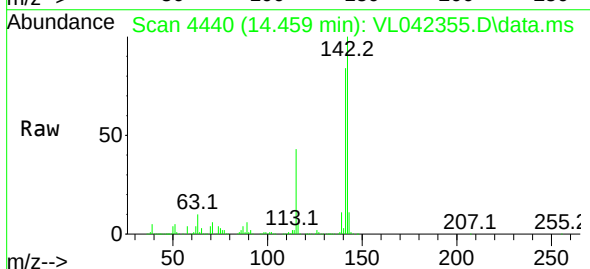
Tgt Ion:128 Resp: 944085
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 11.3 8.6 12.8

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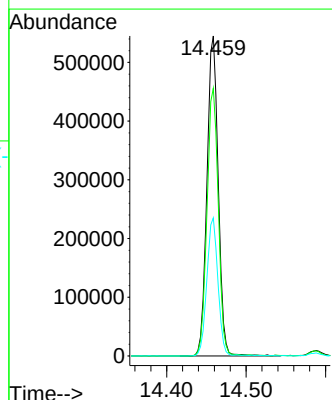
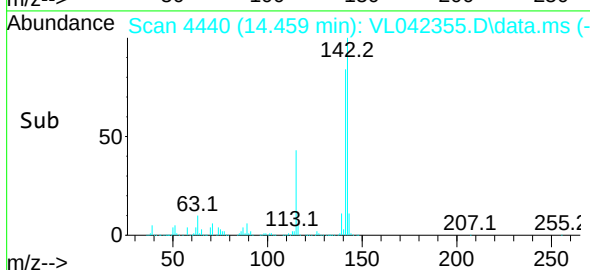
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

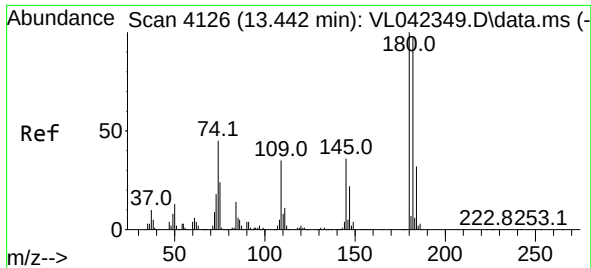


#80
Naphthalene,2-methyl-
Concen: 12.686 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54



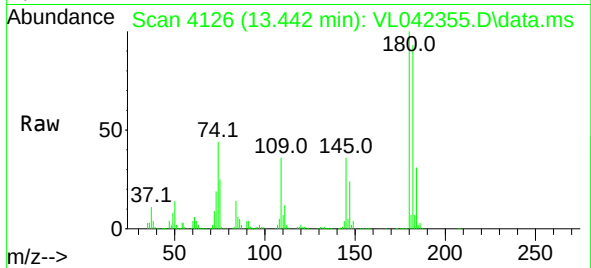
Tgt Ion:142 Resp: 540339
Ion Ratio Lower Upper
142 100
141 84.3 66.8 100.2
115 43.0 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 13.398 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042355.D
 Acq: 17 Apr 2025 12:54

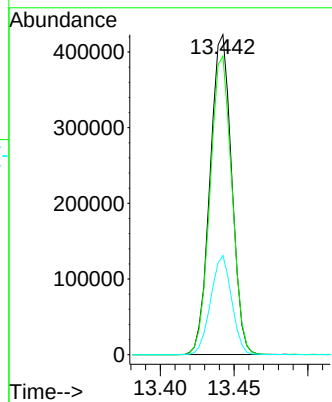
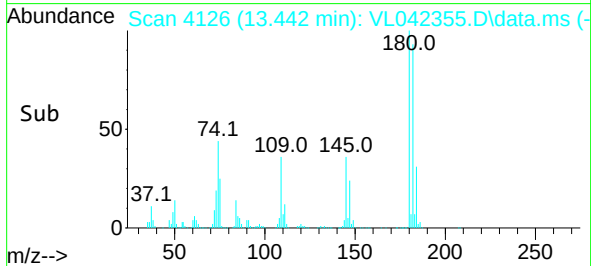
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 42998
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.8 115.2
 184 30.2 24.6 36.8

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Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042356.D
 Acq On : 17 Apr 2025 13:43
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:15:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	113992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	324528	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	305357	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 250149 9.969 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	197623	9.812	ppbv	100
3) Chlorodifluoromethane	1.476	51	191010	9.960	ppbv	99
4) Chloromethane	1.531	50	78080	9.796	ppbv	98
5) Vinyl Chloride	1.580	62	75628	8.717	ppbv	97
6) Bromomethane	1.667	94	35115	9.422	ppbv	84
7) Chloroethane	1.703	64	30158	9.612	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	172863	9.997	ppbv	98
9) Propene	1.482	41	84636	9.690	ppbv	95
10) Heptane	4.978	43	221840	9.041	ppbv	98
11) Trichlorofluoromethane	1.877	101	187827	9.807	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	2.140	101	148485	9.482	ppbv	100
13) Ethanol	1.722	45	4171	3.005	ppbv	97
14) Bromoethene	1.780	108	58320	9.880	ppbv	99
15) Acetone	1.835	43	158708	8.505	ppbv	100
16) 1,3-Butadiene	1.609	39	78804	8.829	ppbv	95
17) tert-Butyl alcohol	2.039	59	218954	9.468	ppbv	99
18) 1,1-Dichloroethene	2.033	96	67940	9.287	ppbv	94
19) Isopropyl Alcohol	1.887	45	96365	9.296	ppbv	95
20) Methylene Chloride	2.062	84	59203	8.101	ppbv	91
21) Allyl Chloride	2.094	41	120704	9.368	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	78070	9.373	ppbv	99
23) Vinyl Acetate	2.463	43	73373	9.714	ppbv	99
24) 1,1-Dichloroethane	2.408	63	155571	9.832	ppbv	100
25) Ethyl Acetate	2.835	43	449014	9.759	ppbv	99
26) Hexane	2.826	57	175752	9.439	ppbv	98
27) Carbon Disulfide	2.149	76	191117	9.587	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	115190	9.442	ppbv	94
29) Chloroform	2.848	83	260855	9.912	ppbv	98
30) Cyclohexane	3.855	84	148246	9.849	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	179993	10.167	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	276599	9.336	ppbv	98
34) 2-Butanone	2.557	43	248969	9.700	ppbv	99
35) Carbon Tetrachloride	3.764	117	271862	9.256	ppbv	98
36) Benzene	3.657	78	350545	10.014	ppbv	99
37) 1,2-Dichloroethane	3.217	62	211790	10.081	ppbv	99
38) Trichloroethene	4.551	130	139872	9.143	ppbv	96
39) 1,2-Dichloropropane	4.315	63	129239	9.908	ppbv	99
40) 1,4-Dioxane	4.583	88	61587	8.591	ppbv #	96
41) Tetrahydrofuran	3.052	42	141861	9.479	ppbv	99
42) Bromodichloromethane	4.489	83	296946	10.156	ppbv	96
43) Methyl Methacrylate	4.878	69	149209	9.458	ppbv	96
44) 2,2,4-Trimethylpentane	4.641	57	606376	10.030	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	160750	9.975	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042356.D
 Acq On : 17 Apr 2025 13:43
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

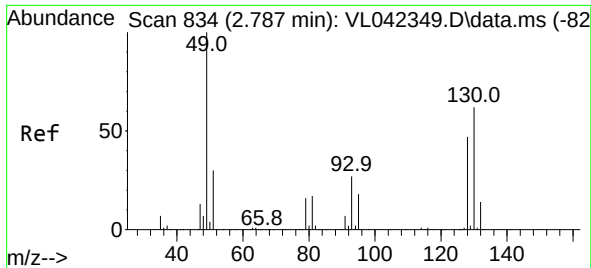
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

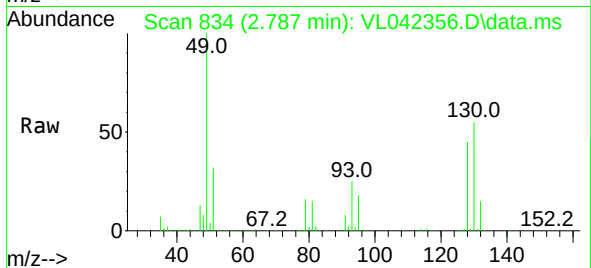
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	200144	10.148	ppbv	88
47) 1,1,2-Trichloroethane	6.583	97	135575	10.202	ppbv	95
48) Dibromochloromethane	7.389	129	237206	10.103	ppbv	100
49) Bromoform	9.483	173	205630	10.016	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	376145	8.819	ppbv	99
51) 2-Hexanone	7.435	43	310521	8.118	ppbv #	99
52) Tetrachloroethene	8.224	164	119424	8.827	ppbv	94
53) Toluene	6.933	91	419462	9.986	ppbv	99
54) 1,2-Dibromoethane	7.652	107	186231	9.792	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	182712	9.886	ppbv	97
57) Chlorobenzene	8.920	112	304533	9.589	ppbv	96
58) Ethyl Benzene	9.354	91	583515	9.645	ppbv	99
59) m/p-Xylene	9.532	91	932801m	19.139	ppbv	
60) o-Xylene	9.966	91	464522	9.465	ppbv	99
61) Styrene	9.872	104	229869	9.813	ppbv	98
62) Isopropylbenzene	10.539	105	685965	9.520	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.962	83	279007	8.773	ppbv	100
64) n-propylbenzene	10.992	120	172654	9.533	ppbv	99
65) tert-Butylbenzene	11.532	119	609500	9.203	ppbv	93
66) Benzyl Chloride	11.613	91	63051	8.664	ppbv	95
67) sec-Butylbenzene	11.769	105	853807	9.268	ppbv	99
69) p-Isopropyltoluene	11.927	119	737861	9.220	ppbv	99
70) n-Butylbenzene	12.283	91	771461	9.255	ppbv	100
71) 2-Chlorotoluene	10.901	91	543794	9.622	ppbv	98
72) 4-Ethyltoluene	11.124	105	563136	9.385	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	486583	9.186	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	531576	8.592	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	297157	9.240	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	297697	9.210	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	289284	9.251	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	276960	8.771	ppbv	100
79) Naphthalene	13.513	128	647349	8.750	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	350259	8.307	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	290260	9.136	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

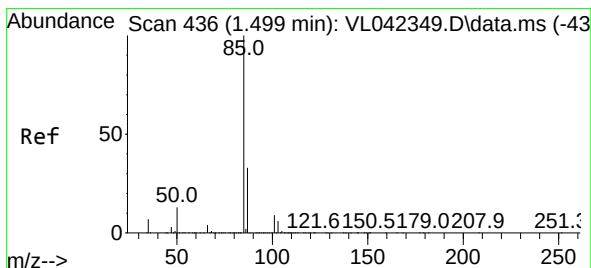
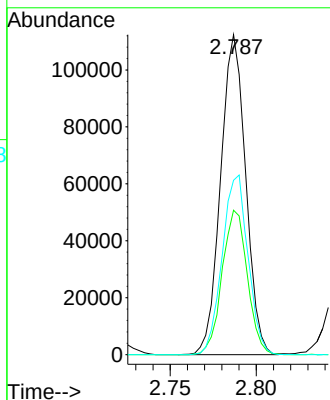
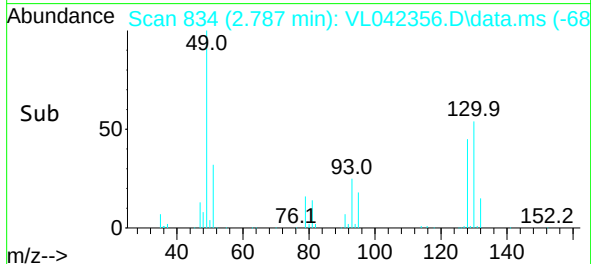
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725



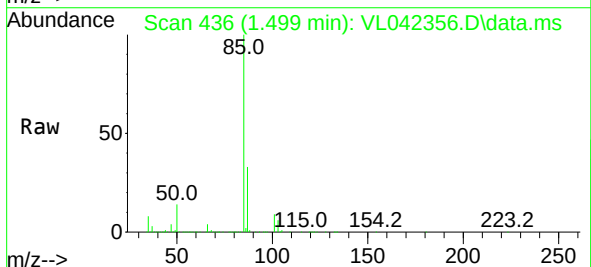
Tgt Ion: 49 Resp: 113992
Ion Ratio Lower Upper
49 100
128 45.5 22.8 68.4
130 57.8 29.3 88.0

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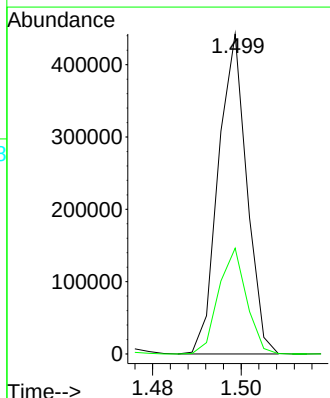
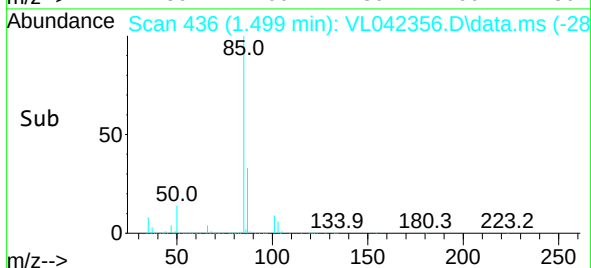
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

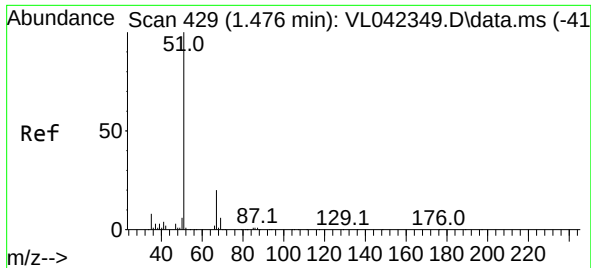


#2
Dichlorodifluoromethane
Concen: 9.812 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



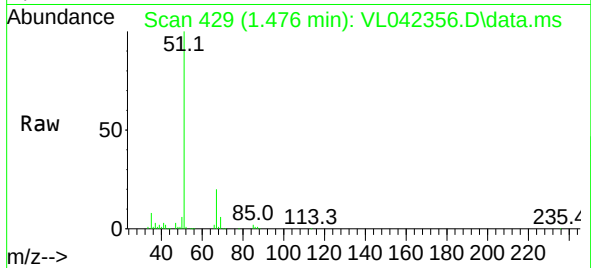
Tgt Ion: 85 Resp: 197623
Ion Ratio Lower Upper
85 100
87 33.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 9.960 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

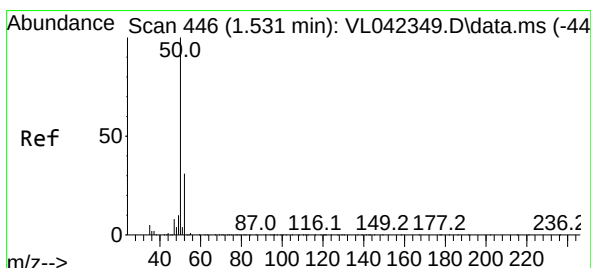
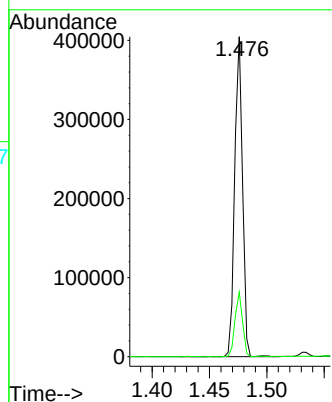
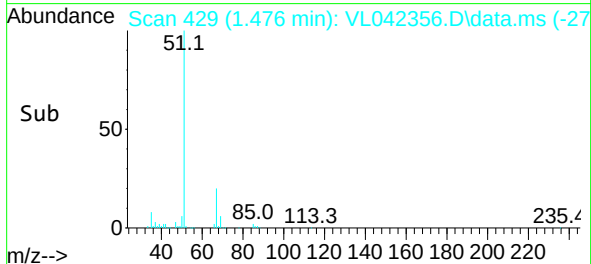
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



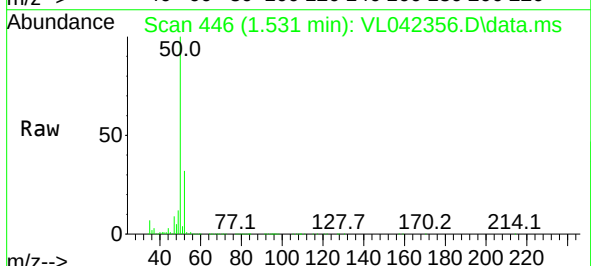
Tgt Ion: 51 Resp: 191010
Ion Ratio Lower Upper
51 100
67 19.6 16.2 24.4

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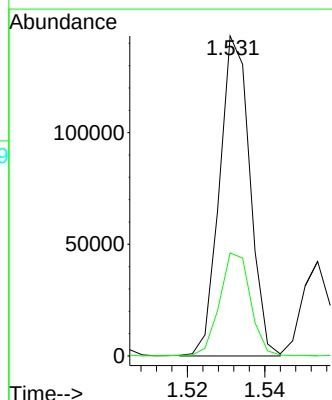
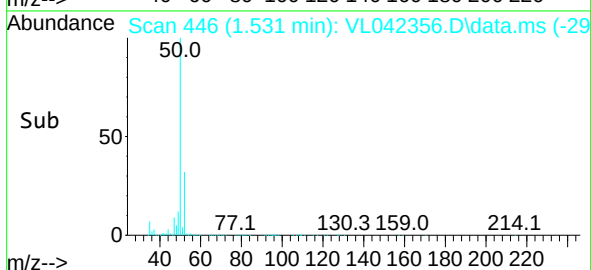
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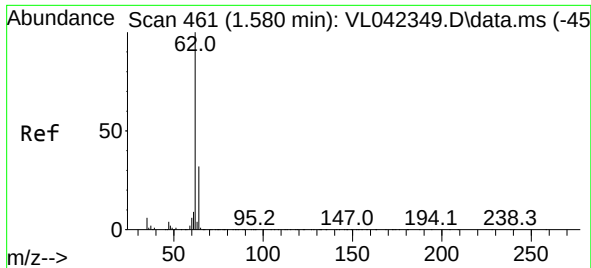


#4
Chloromethane
Concen: 9.796 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion: 50 Resp: 78080
Ion Ratio Lower Upper
50 100
52 32.0 24.7 37.1





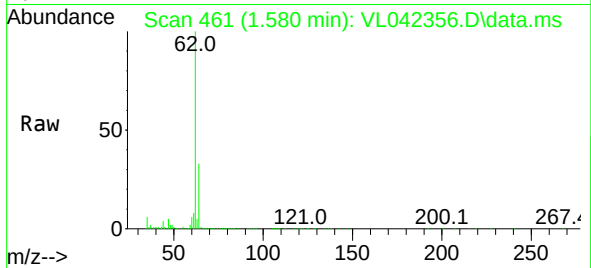
#5
 Vinyl Chloride
 Concen: 8.717 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725

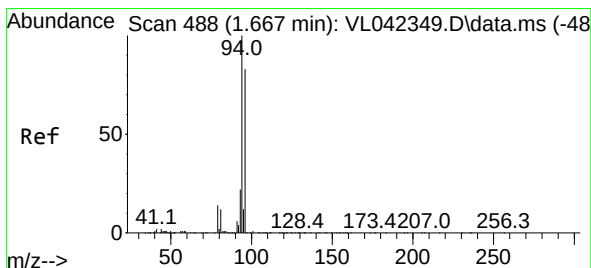
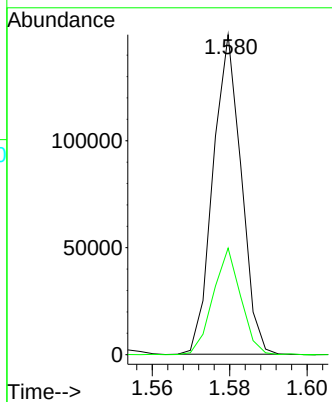
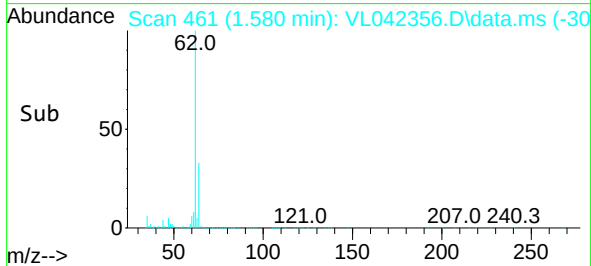


Tgt Ion: 62 Resp: 75628
 Ion Ratio Lower Upper
 62 100
 64 33.3 25.4 38.0

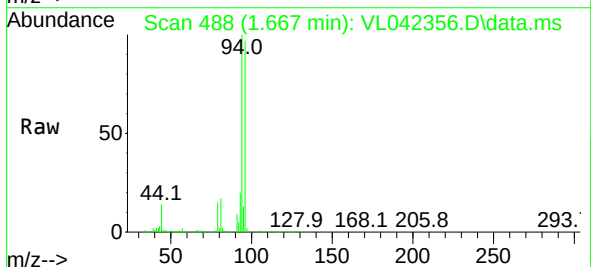
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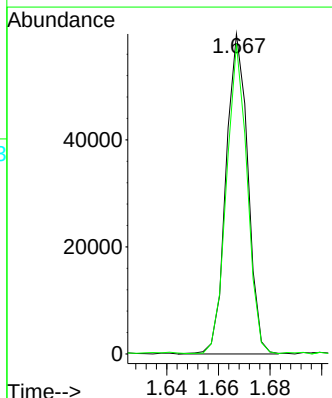
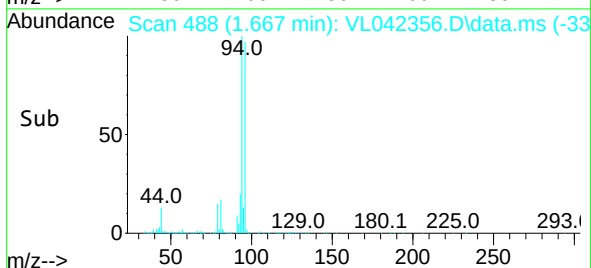
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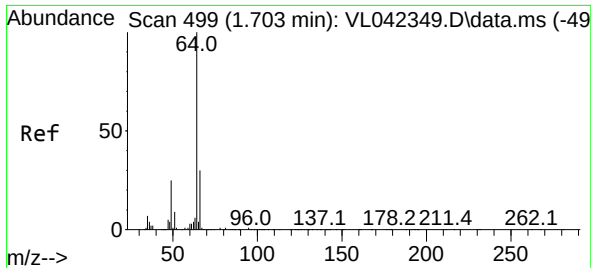


#6
 Bromomethane
 Concen: 9.422 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43



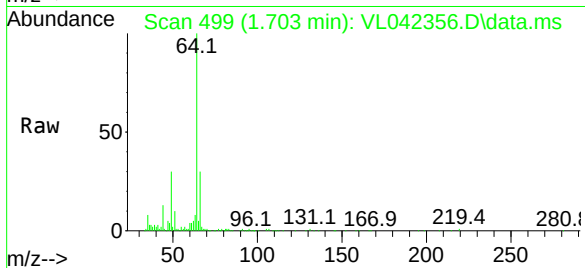
Tgt Ion: 94 Resp: 35115
 Ion Ratio Lower Upper
 94 100
 96 96.8 66.2 99.2





#7
Chloroethane
Concen: 9.612 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

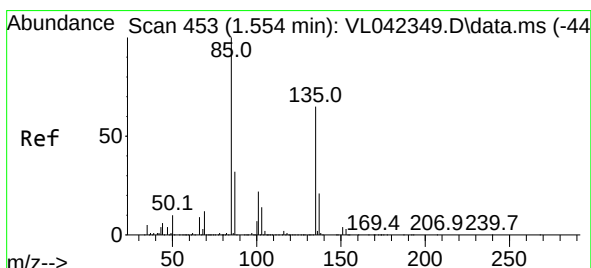
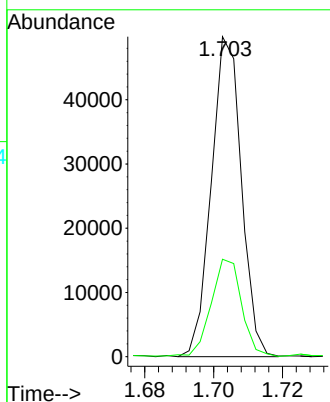
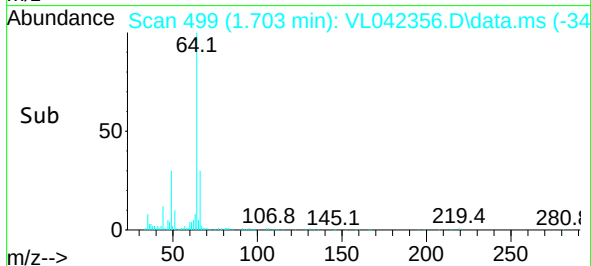
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



Tgt Ion: 64 Resp: 30158
Ion Ratio Lower Upper
64 100
66 30.4 24.6 37.0

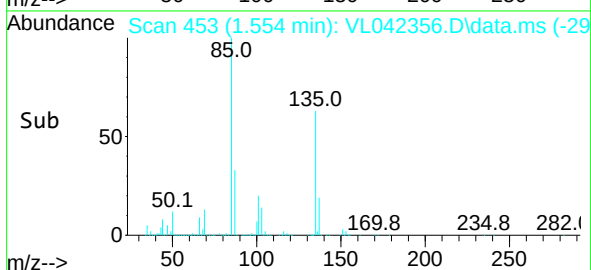
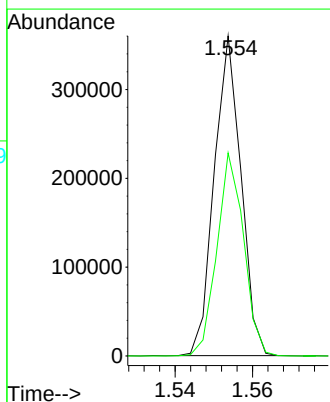
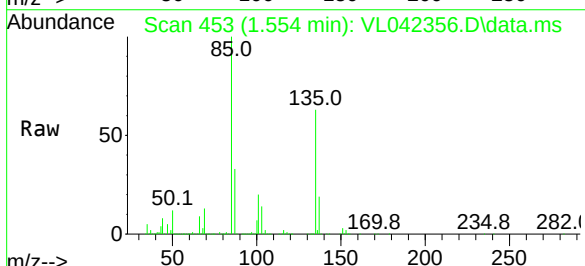
Manual Integrations
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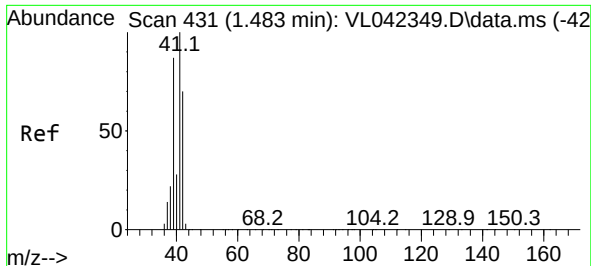
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#8
Dichlorotetrafluoroethane
Concen: 9.997 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 85 Resp: 172863
Ion Ratio Lower Upper
85 100
135 63.5 52.2 78.2





#9

Propene

Concen: 9.690 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042356.D

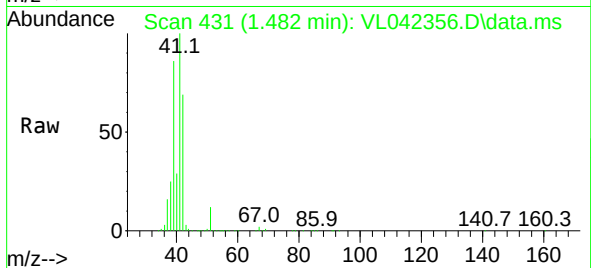
Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725



Tgt Ion: 41 Resp: 84630

Ion Ratio Lower Upper

41 100

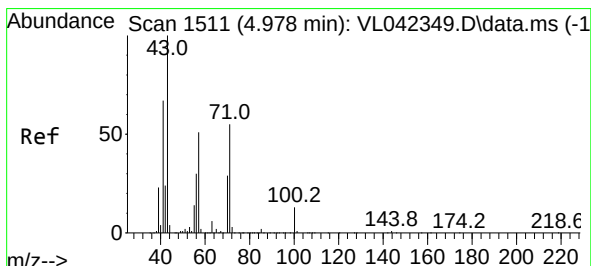
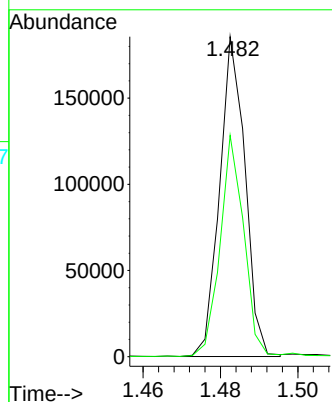
42 65.8 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 9.041 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL042356.D

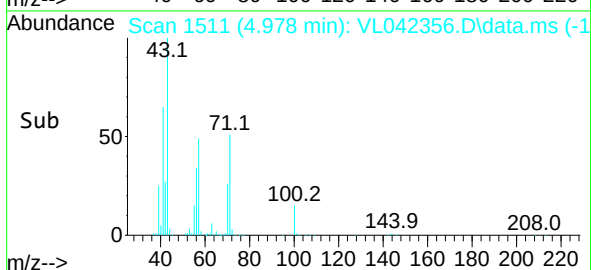
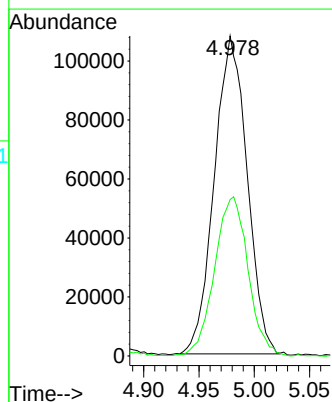
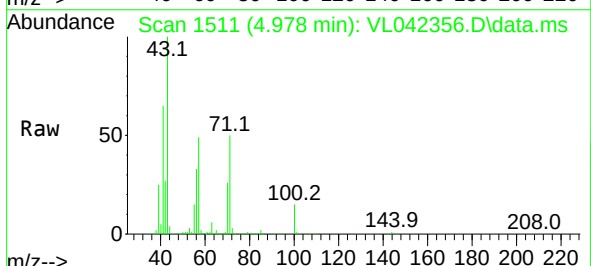
Acq: 17 Apr 2025 13:43

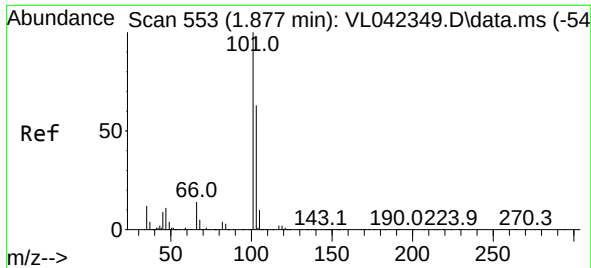
Tgt Ion: 43 Resp: 221840

Ion Ratio Lower Upper

43 100

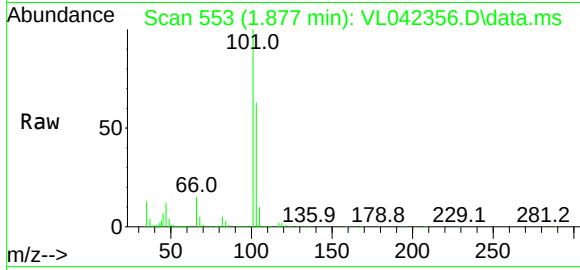
57 51.4 39.9 59.9





#11
Trichlorofluoromethane
Concen: 9.807 ppbv
RT: 1.877 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

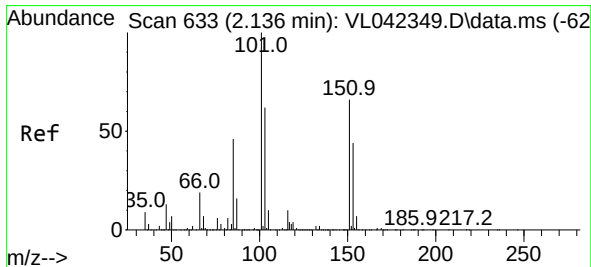
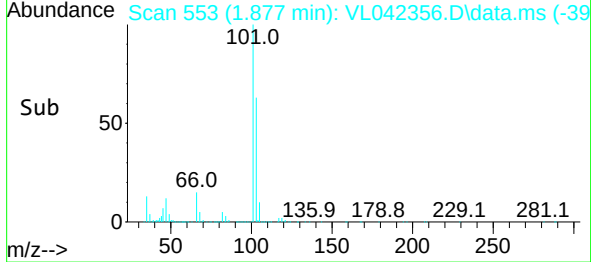
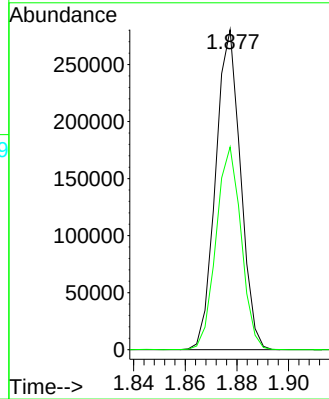
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725



Tgt Ion:101 Resp: 18782
Ion Ratio Lower Upper
101 100
103 63.3 50.1 75.1

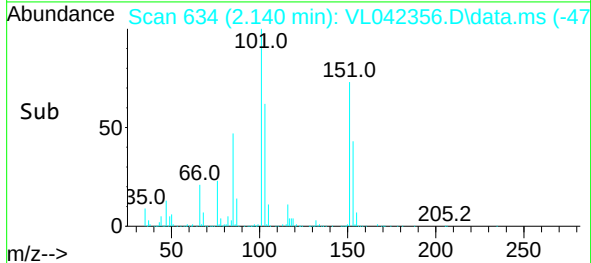
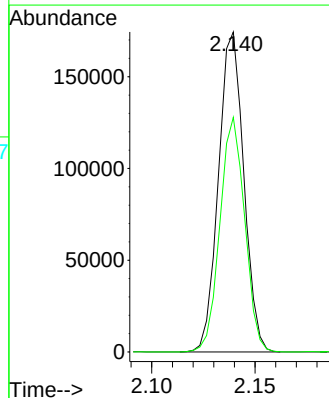
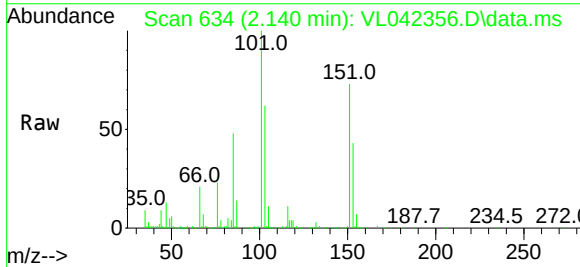
Manual Integrations
APPROVED

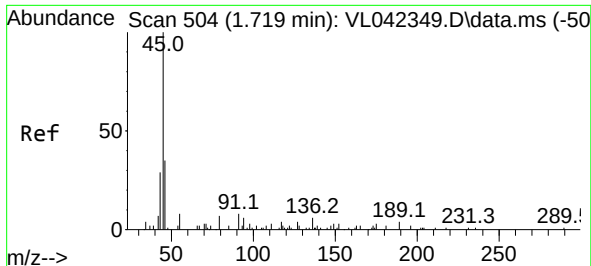
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.482 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

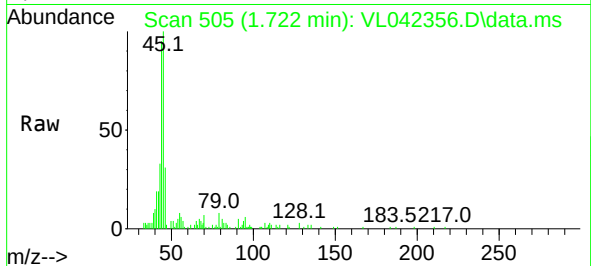
Tgt Ion:101 Resp: 148485
Ion Ratio Lower Upper
101 100
151 71.7 57.0 85.6





#13
Ethanol
Concen: 3.005 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

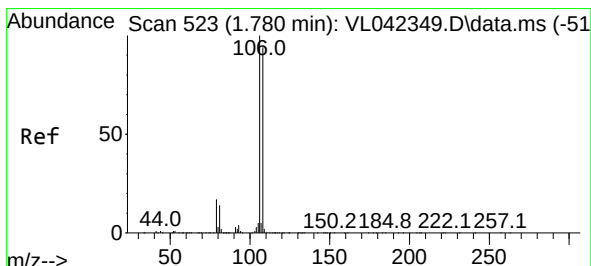
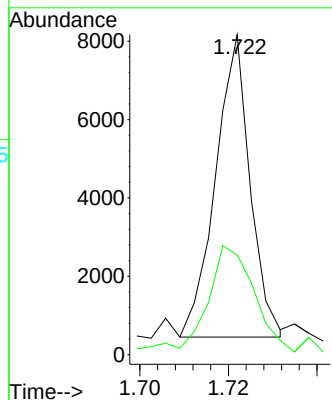
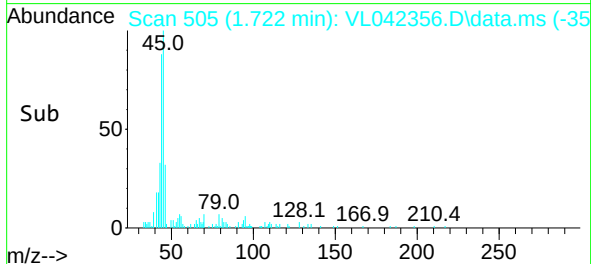
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725



Tgt Ion: 45 Resp: 417
Ion Ratio Lower Upper
45 100
46 57.0 21.9 87.7

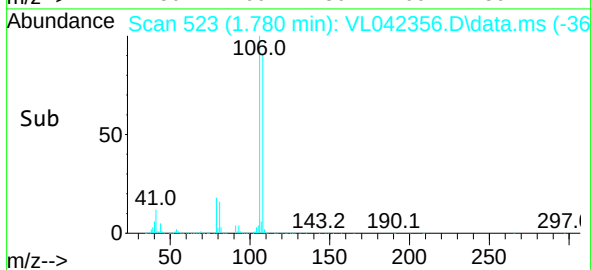
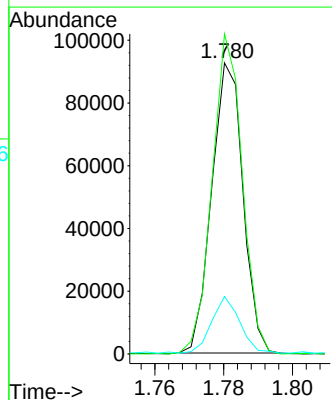
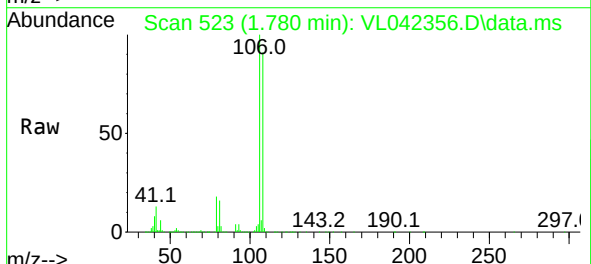
Manual Integrations
APPROVED

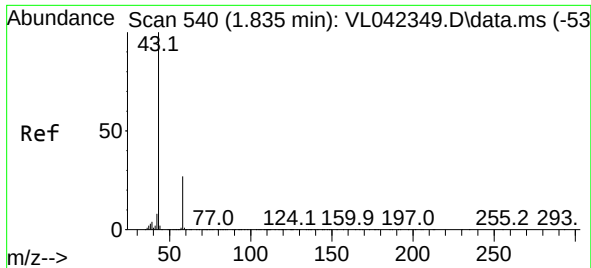
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#14
Bromoethene
Concen: 9.880 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

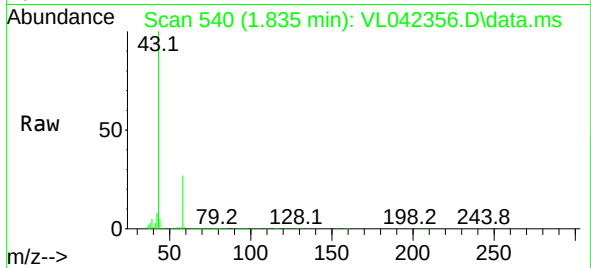
Tgt Ion:108 Resp: 58320
Ion Ratio Lower Upper
108 100
106 107.1 85.9 128.9
79 18.4 13.9 20.9





#15
Acetone
Concen: 8.505 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

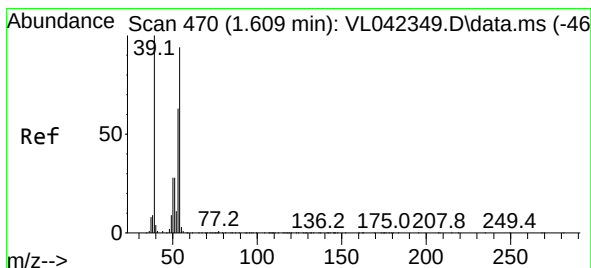
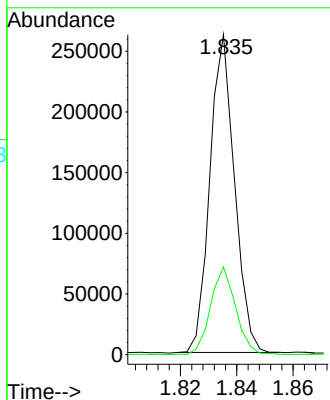
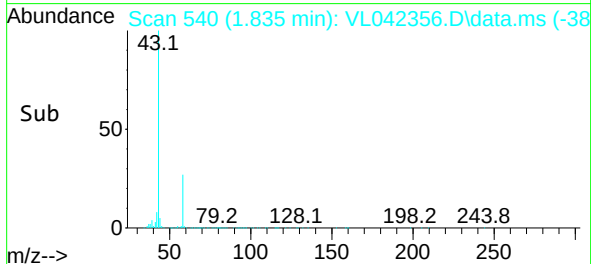
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



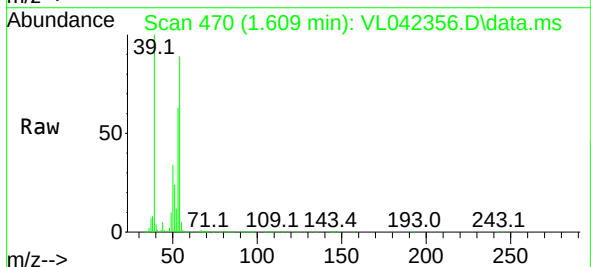
Tgt Ion: 43 Resp: 158708
Ion Ratio Lower Upper
43 100
58 28.0 22.4 33.6

Manual Integrations
APPROVED

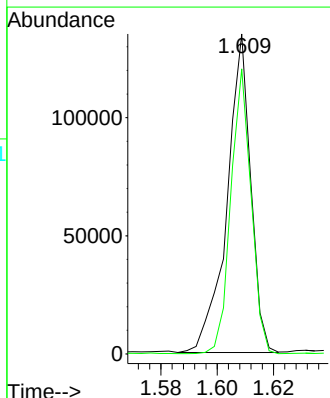
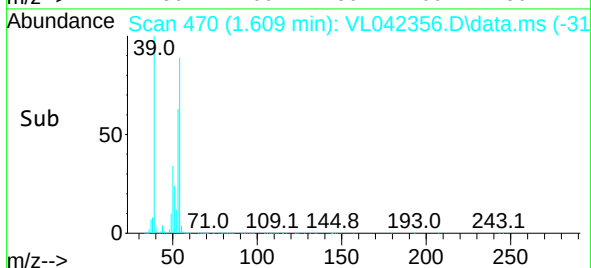
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

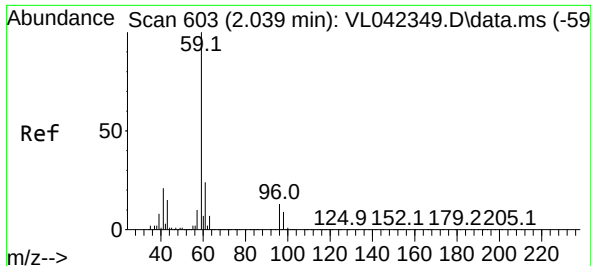


#16
1,3-Butadiene
Concen: 8.829 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion: 39 Resp: 78804
Ion Ratio Lower Upper
39 100
54 77.1 64.9 97.3





#17

tert-Butyl alcohol

Concen: 9.468 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725

Tgt Ion: 59 Resp: 218954

Ion Ratio Lower Upper

59 100

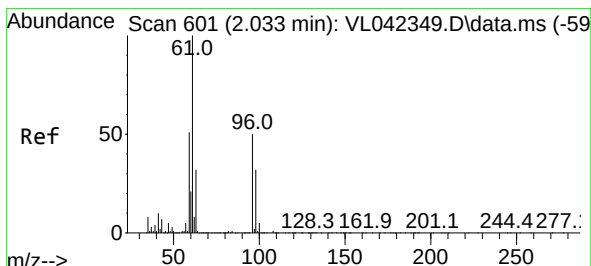
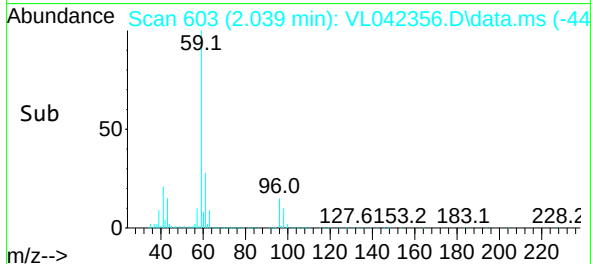
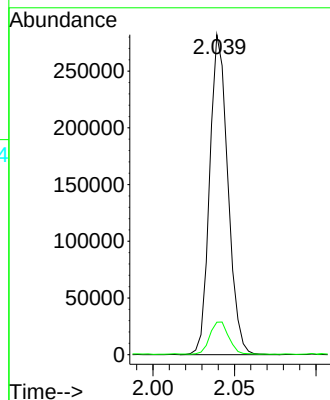
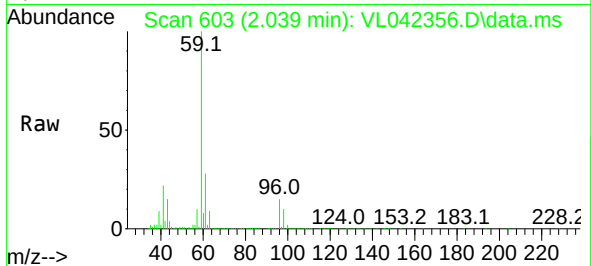
57 10.6 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#18

1,1-Dichloroethene

Concen: 9.287 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

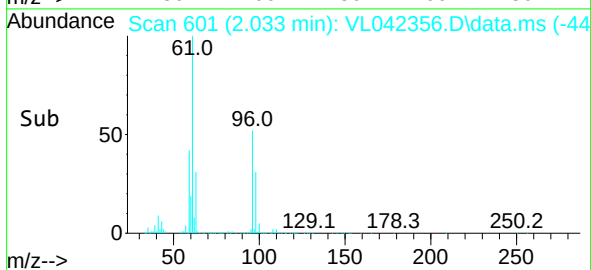
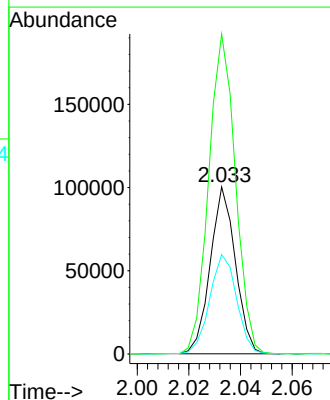
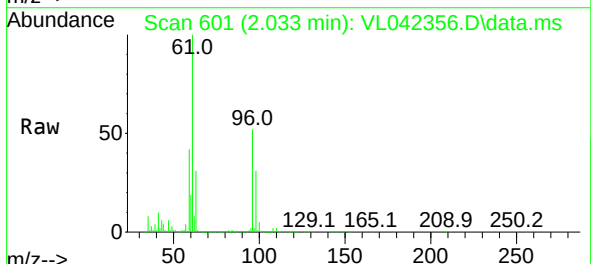
Tgt Ion: 96 Resp: 67940

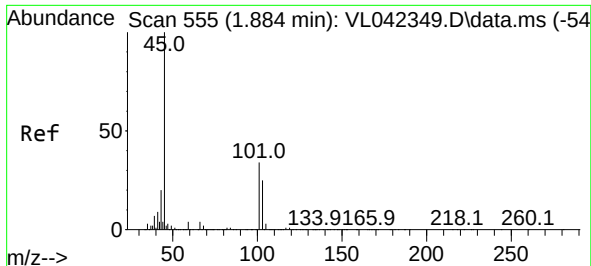
Ion Ratio Lower Upper

96 100

61 191.6 160.2 240.2

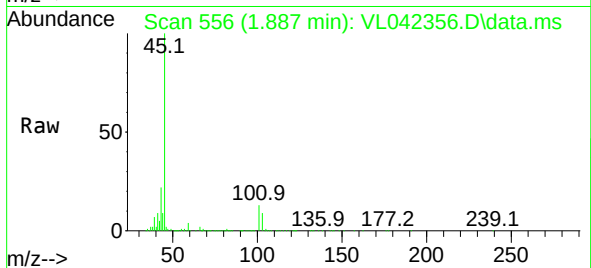
98 59.4 51.0 76.4





#19
Isopropyl Alcohol
Concen: 9.296 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

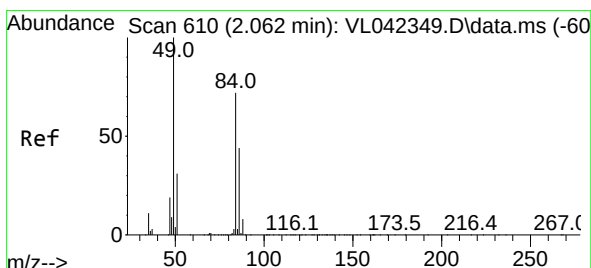
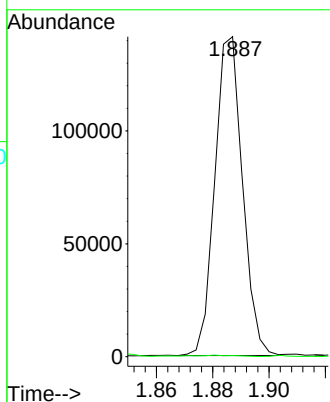
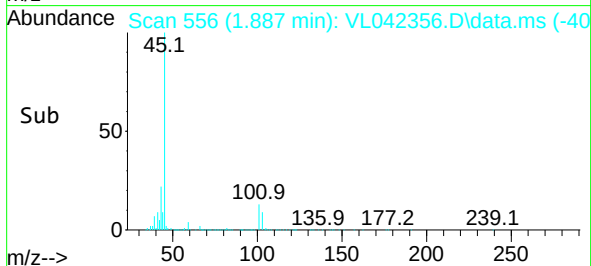
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725



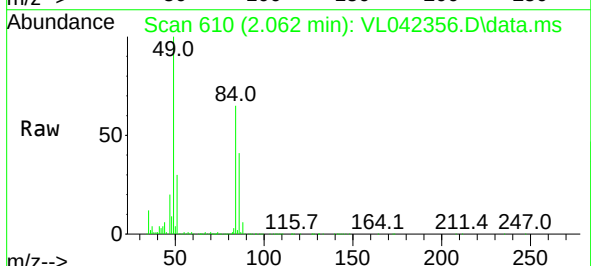
Tgt Ion: 45 Resp: 9636
Ion Ratio Lower Upper
45 100
58 46.1 34.5 51.7

Manual Integrations
APPROVED

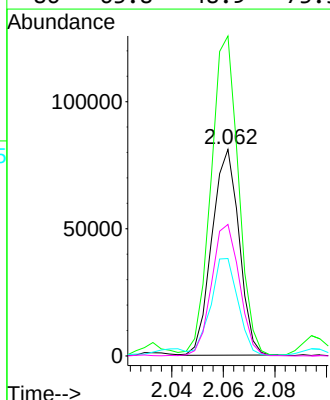
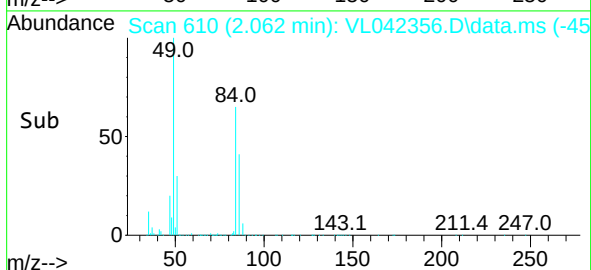
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

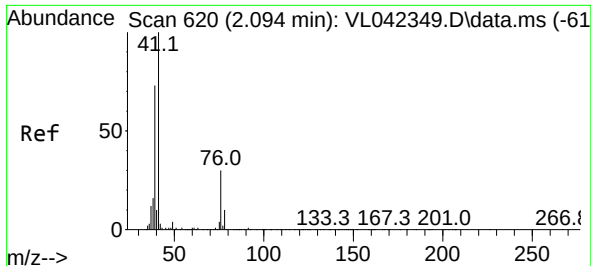


#20
Methylene Chloride
Concen: 8.101 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



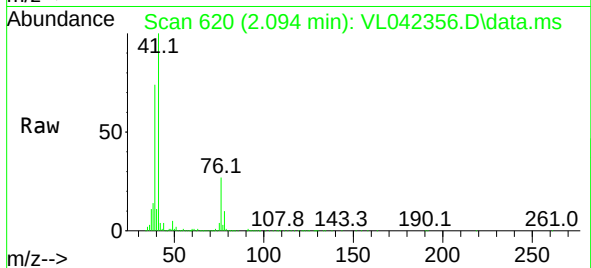
Tgt Ion: 84 Resp: 59203
Ion Ratio Lower Upper
84 100
49 155.3 111.6 167.4
51 47.0 35.1 52.7
86 63.8 48.9 73.3





#21
 Allyl Chloride
 Concen: 9.368 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

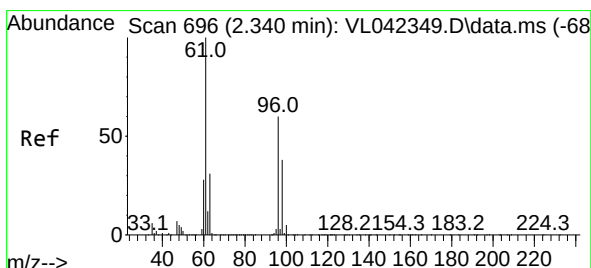
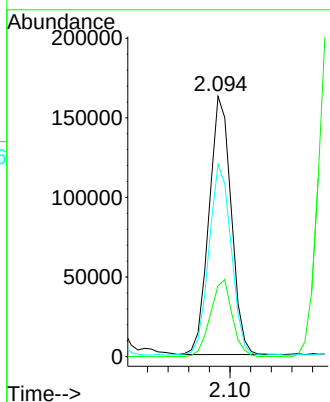
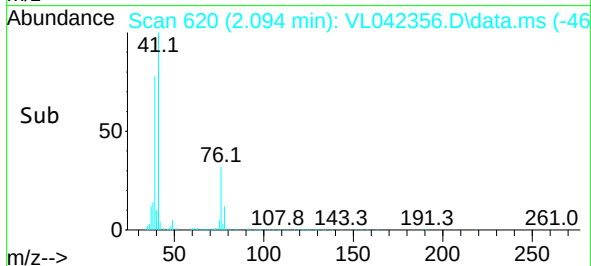
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725



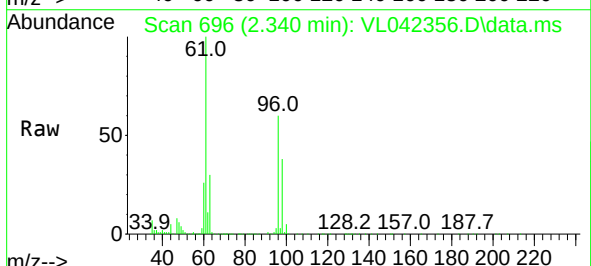
Tgt Ion: 41 Resp: 120704
 Ion Ratio Lower Upper
 41 100
 76 29.5 24.8 37.2
 39 74.5 60.6 90.8

Manual Integrations
 APPROVED

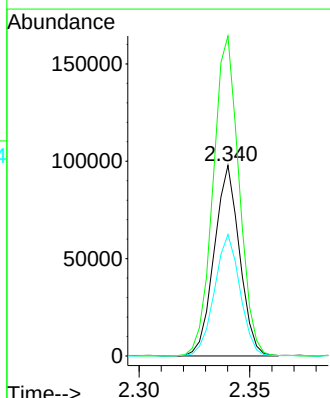
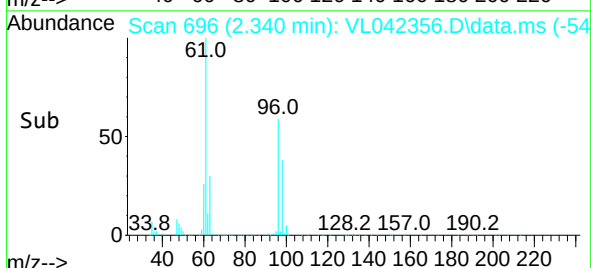
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

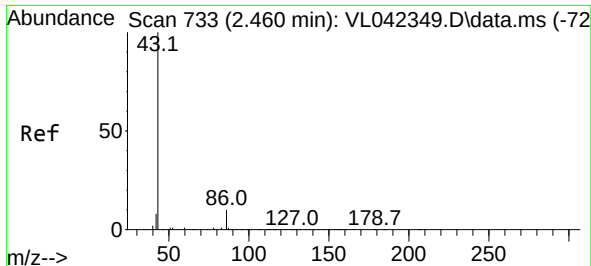


#22
 trans-1,2-Dichloroethene
 Concen: 9.373 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43



Tgt Ion: 96 Resp: 78070
 Ion Ratio Lower Upper
 96 100
 61 167.7 133.7 200.5
 98 63.5 50.3 75.5





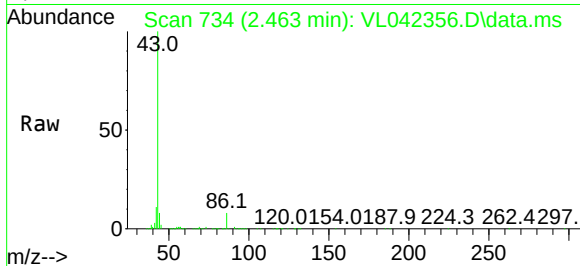
#23
 Vinyl Acetate
 Concen: 9.714 ppbv
 RT: 2.463 min Scan# 733
 Delta R.T. 0.003 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725

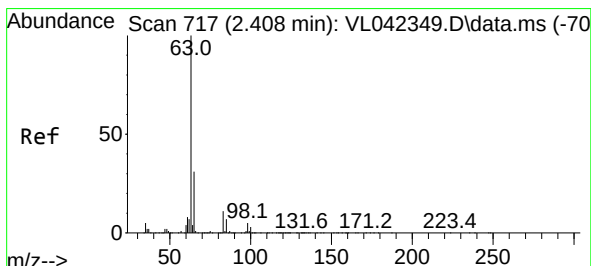
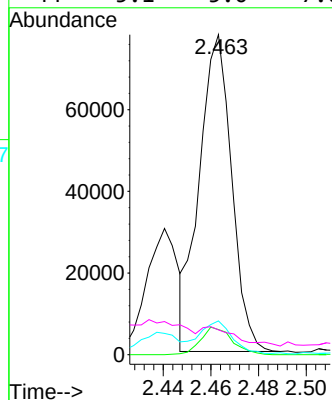
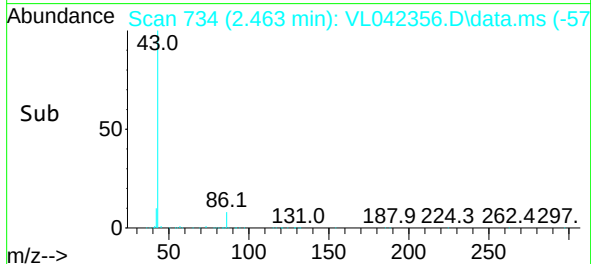


Tgt Ion: 43 Resp: 7337
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.5 9.7
 42 10.0 7.8 11.8
 44 5.1 5.0 7.6

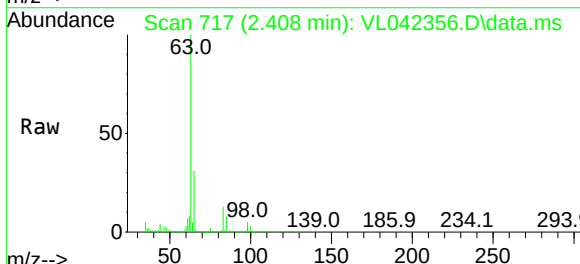
Manual Integrations

APPROVED

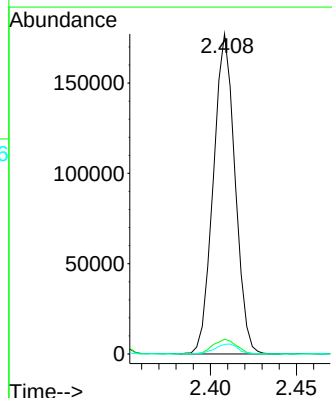
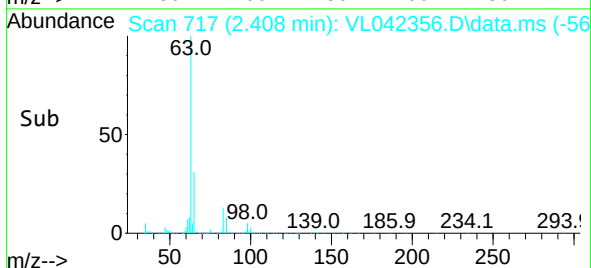
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

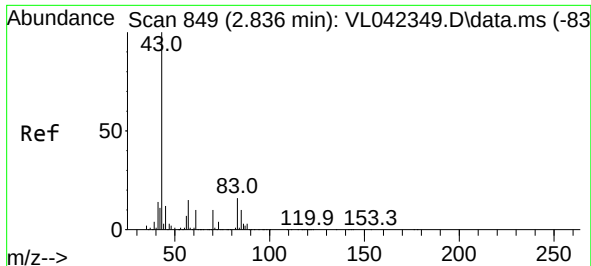


#24
 1,1-Dichloroethane
 Concen: 9.832 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43



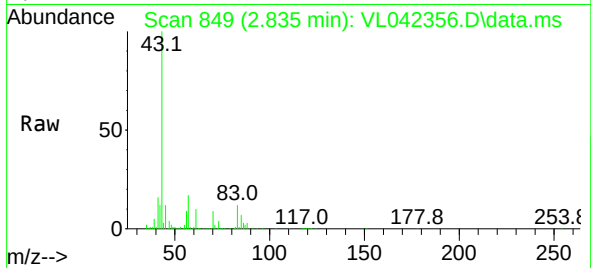
Tgt Ion: 63 Resp: 155571
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.3 6.8
 100 3.0 1.6 4.8





#25
Ethyl Acetate
Concen: 9.759 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

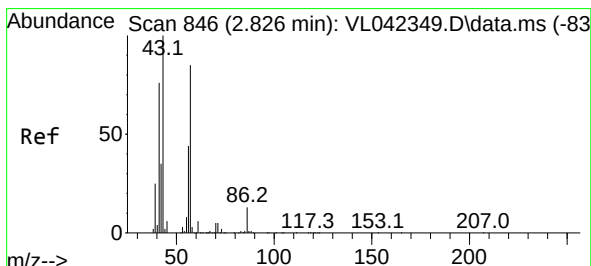
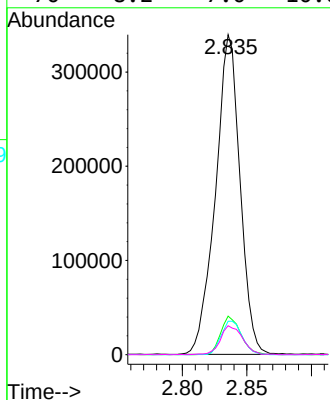
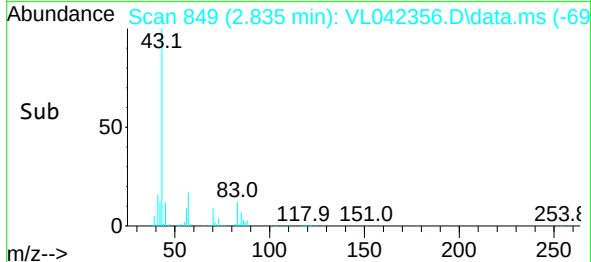
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



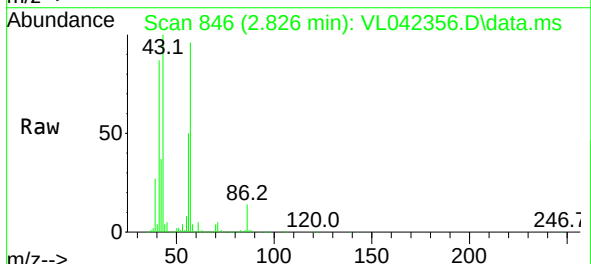
Tgt Ion: 43 Resp: 449014
Ion Ratio Lower Upper
43 100
45 9.9 8.3 12.5
61 9.0 7.3 10.9
70 8.2 7.0 10.6

Manual Integrations
APPROVED

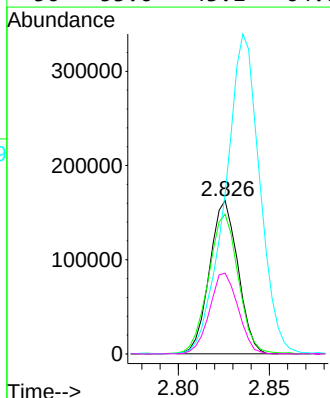
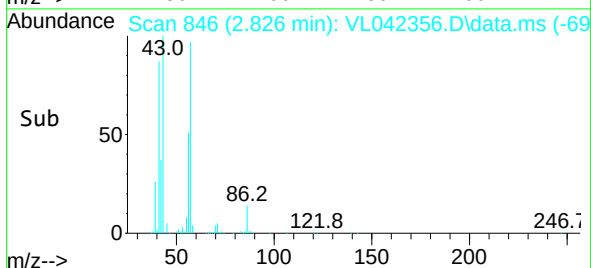
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

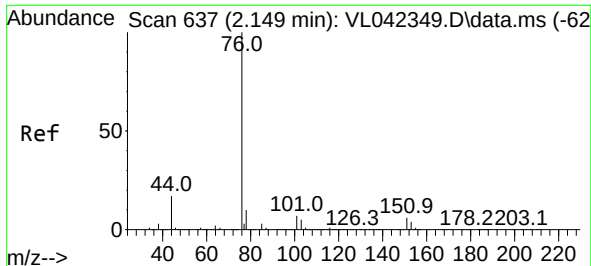


#26
Hexane
Concen: 9.439 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



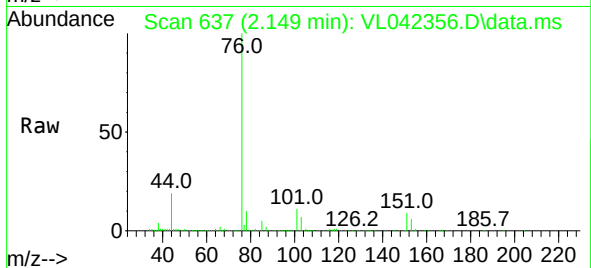
Tgt Ion: 57 Resp: 175752
Ion Ratio Lower Upper
57 100
41 96.6 77.9 116.9
43 256.0 208.4 312.6
56 53.6 43.1 64.7





#27
Carbon Disulfide
Concen: 9.587 ppbv
RT: 2.149 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

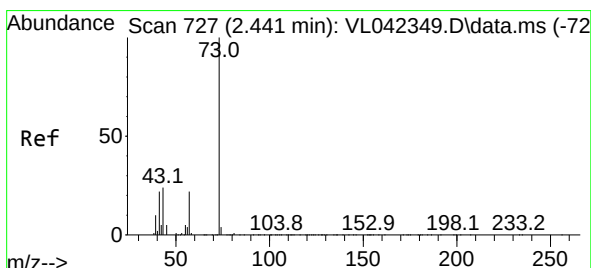
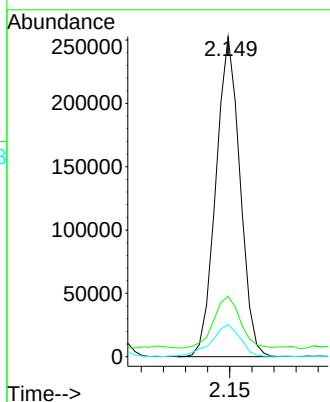
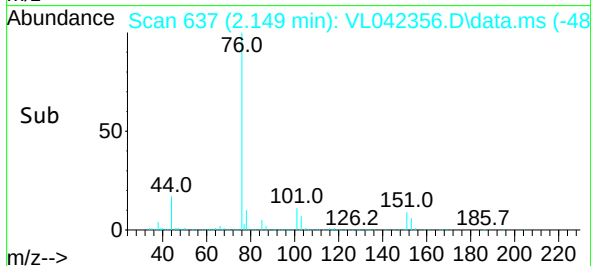
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



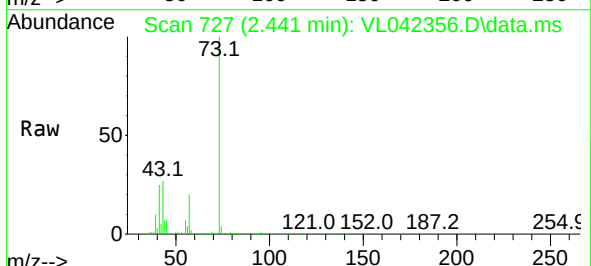
Tgt Ion: 76 Resp: 191117
Ion Ratio Lower Upper
76 100
44 19.3 15.5 23.3
78 11.9 9.3 13.9

Manual Integrations
APPROVED

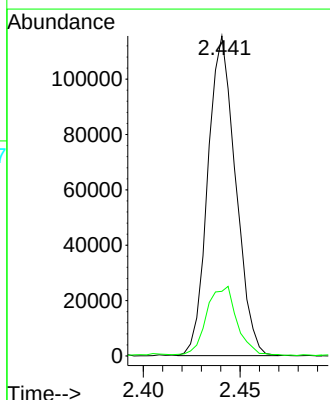
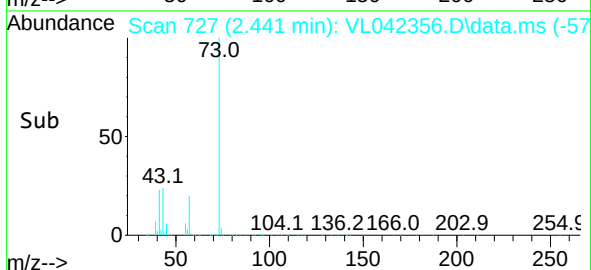
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

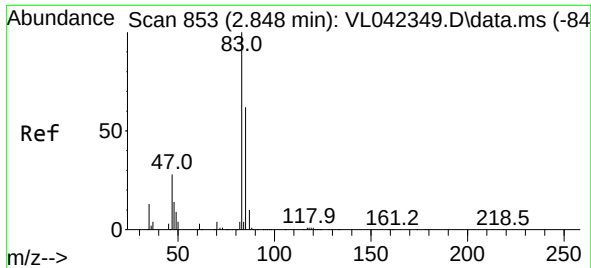


#28
Methyl tert-Butyl Ether
Concen: 9.442 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



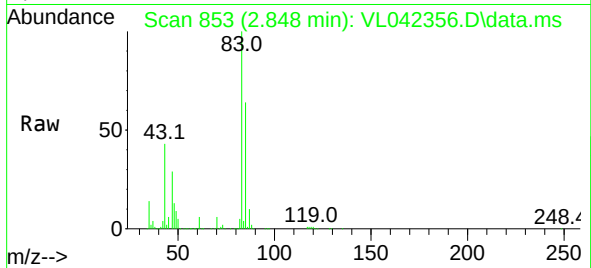
Tgt Ion: 73 Resp: 115190
Ion Ratio Lower Upper
73 100
57 23.4 21.3 31.9





#29
Chloroform
Concen: 9.912 ppbv
RT: 2.848 min Scan# 853
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

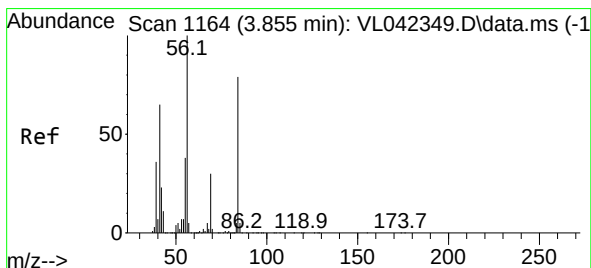
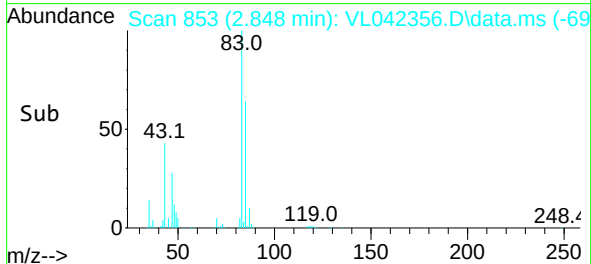
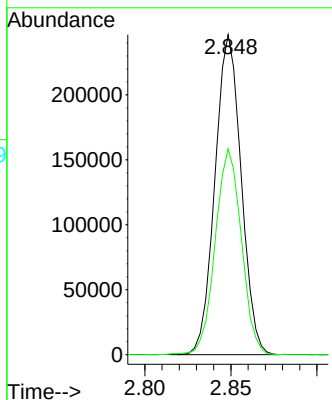
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



Tgt Ion: 83 Resp: 26085
Ion Ratio Lower Upper
83 100
85 64.3 50.0 75.0

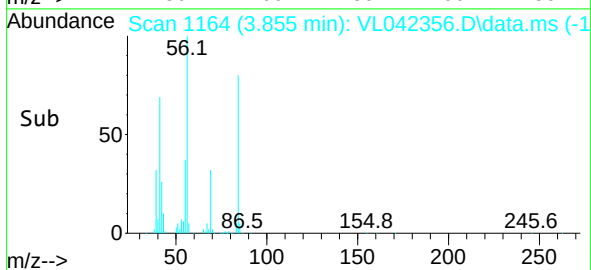
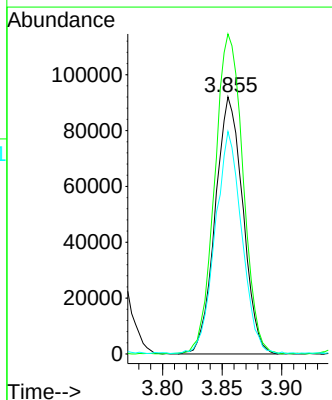
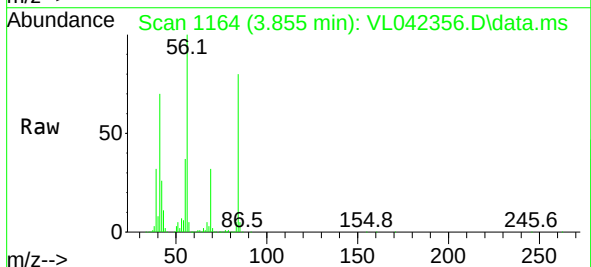
Manual Integrations
APPROVED

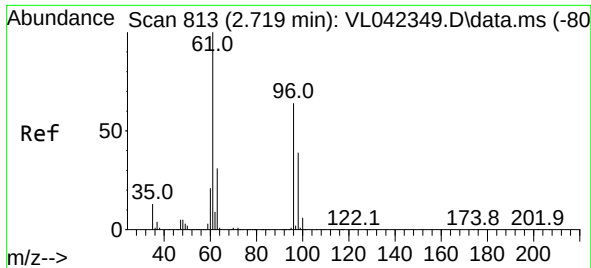
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#30
Cyclohexane
Concen: 9.849 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

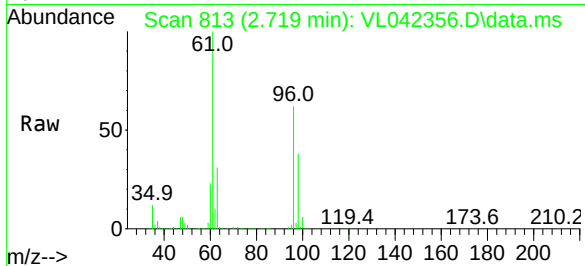
Tgt Ion: 84 Resp: 148246
Ion Ratio Lower Upper
84 100
56 127.7 101.0 151.4
41 83.2 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 10.167 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

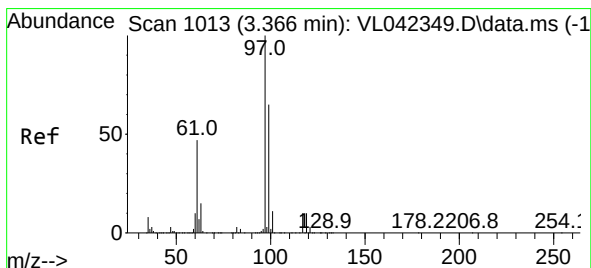
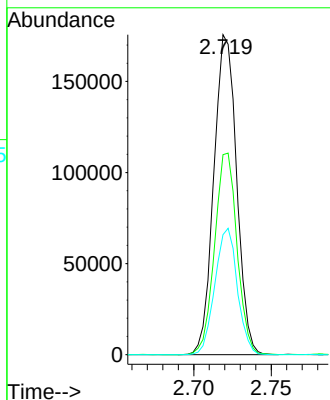
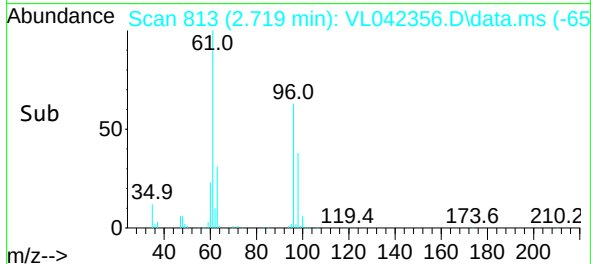
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725



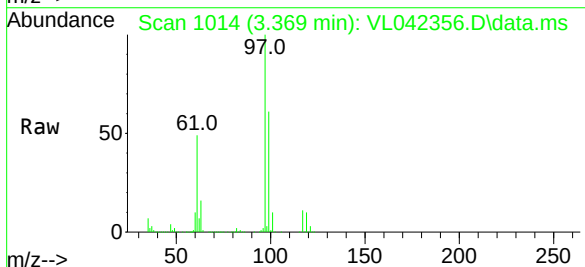
Tgt Ion: 61 Resp: 17999
 Ion Ratio Lower Upper
 61 100
 96 62.5 50.8 76.2
 98 37.5 30.9 46.3

Manual Integrations
 APPROVED

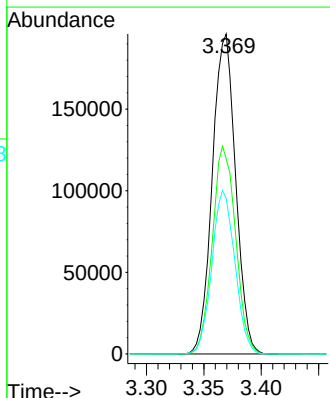
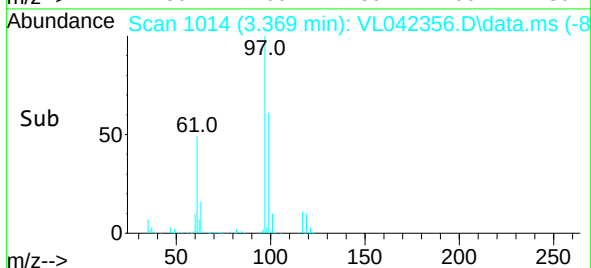
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

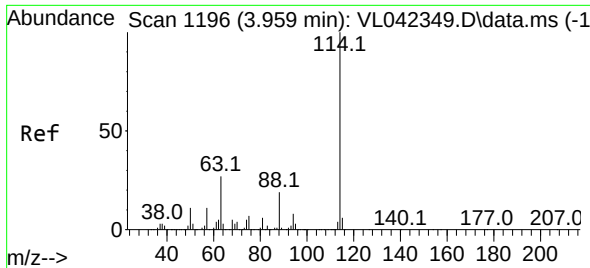


#32
 1,1,1-Trichloroethane
 Concen: 9.336 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43



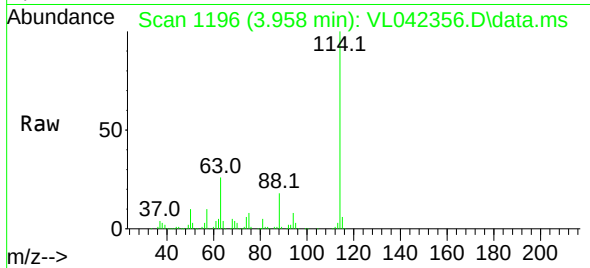
Tgt Ion: 97 Resp: 276599
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.0 76.4
 61 50.7 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

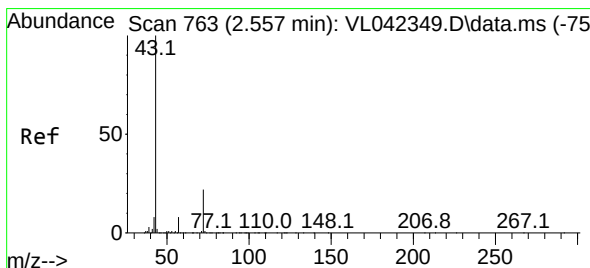
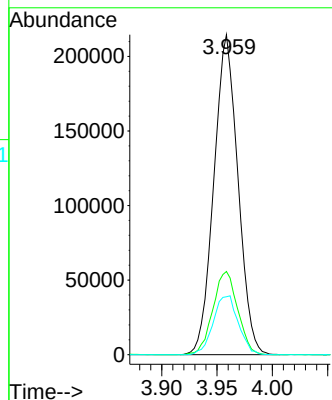
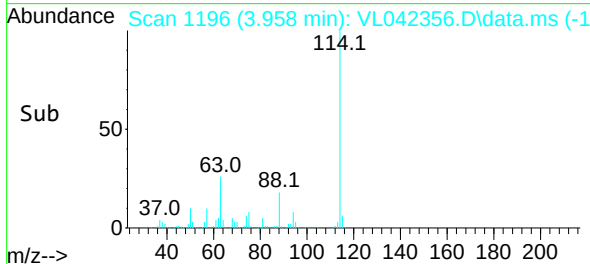
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



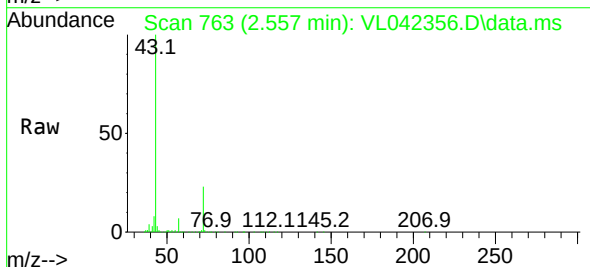
Tgt Ion:114 Resp: 324528
Ion Ratio Lower Upper
114 100
63 26.8 21.8 32.6
88 19.2 15.5 23.3

Manual Integrations
APPROVED

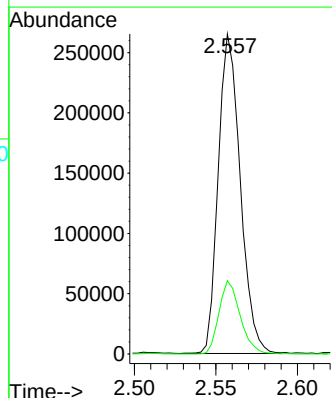
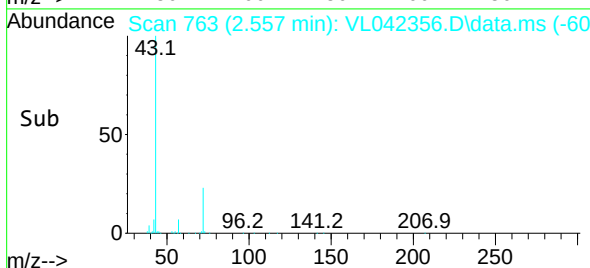
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

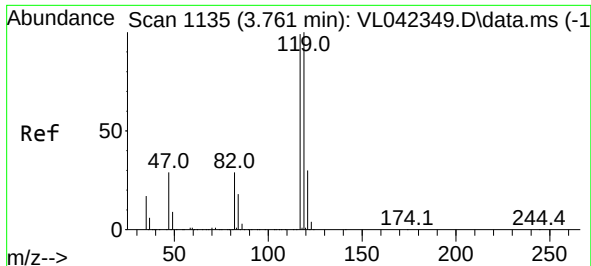


#34
2-Butanone
Concen: 9.700 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



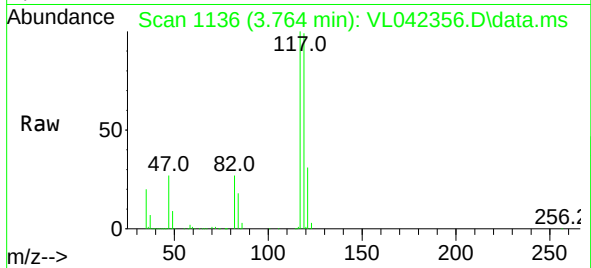
Tgt Ion: 43 Resp: 248969
Ion Ratio Lower Upper
43 100
72 22.1 18.2 27.2





#35
Carbon Tetrachloride
Concen: 9.256 ppbv
RT: 3.764 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

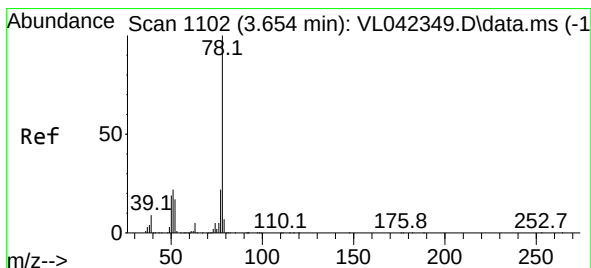
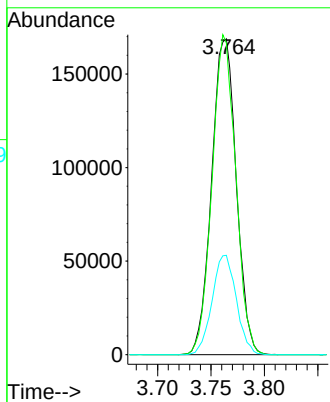
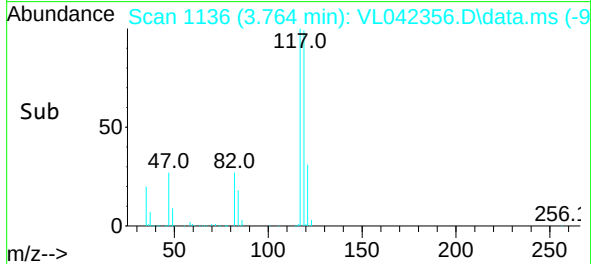
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



Tgt Ion:117 Resp: 271862
Ion Ratio Lower Upper
117 100
119 98.7 80.5 120.7
121 31.5 24.2 36.2

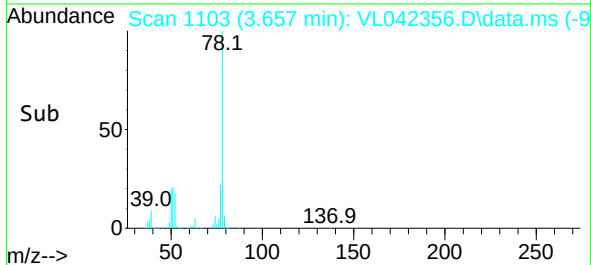
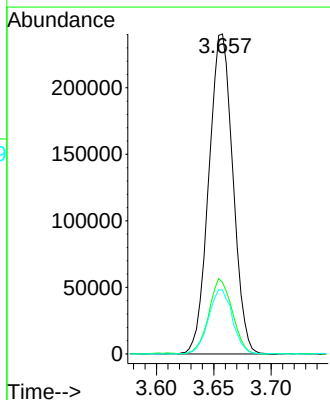
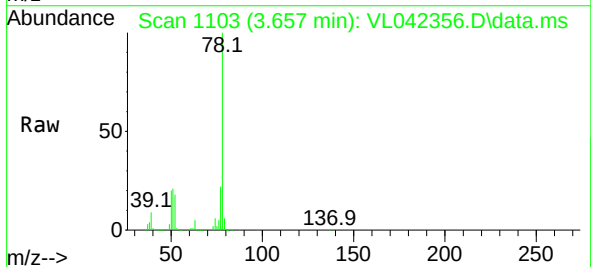
Manual Integrations
APPROVED

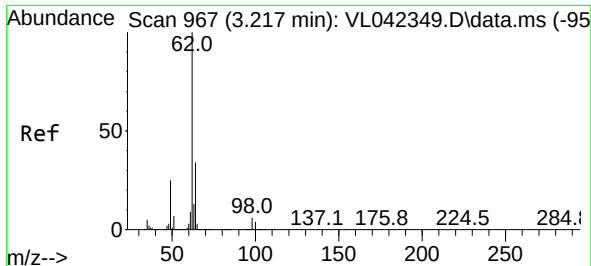
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#36
Benzene
Concen: 10.014 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

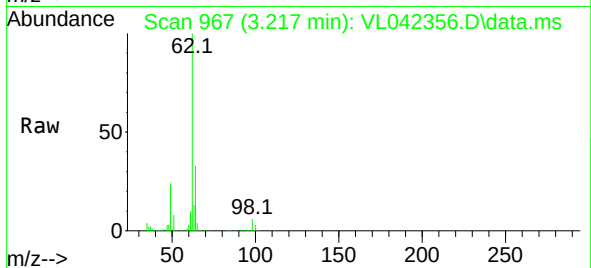
Tgt Ion: 78 Resp: 350545
Ion Ratio Lower Upper
78 100
77 22.3 17.4 26.0
50 19.9 15.5 23.3





#37
1,2-Dichloroethane
Concen: 10.081 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

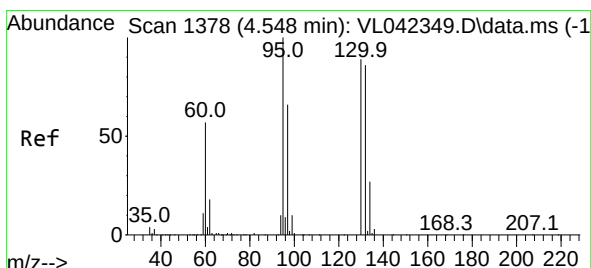
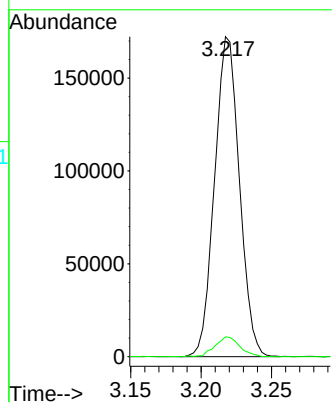
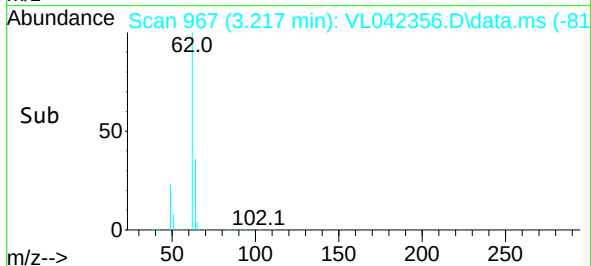
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



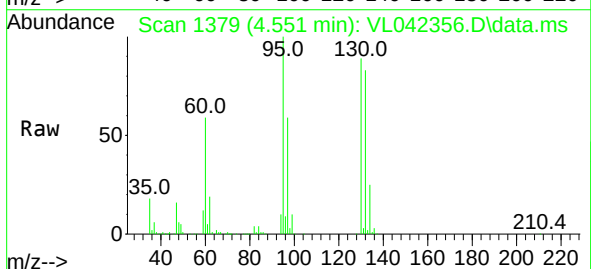
Tgt Ion: 62 Resp: 211790
Ion Ratio Lower Upper
62 100
98 6.2 5.1 7.7

Manual Integrations
APPROVED

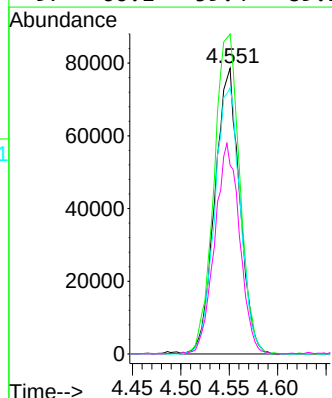
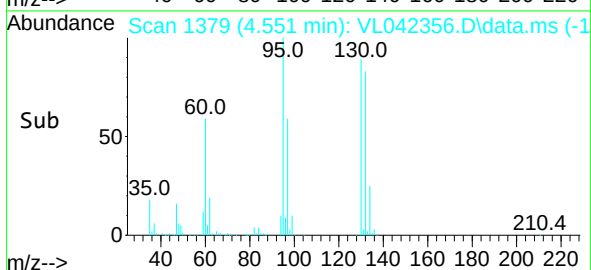
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

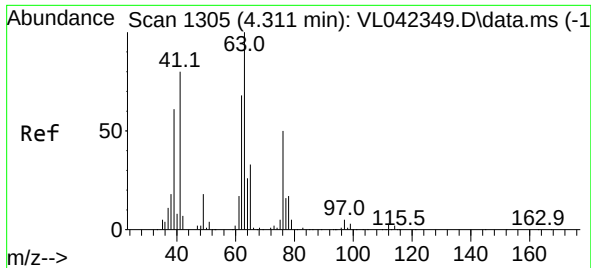


#38
Trichloroethene
Concen: 9.143 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion:130 Resp: 139872
Ion Ratio Lower Upper
130 100
95 112.0 89.8 134.6
132 93.2 77.7 116.5
97 66.1 59.4 89.2





#39

1,2-Dichloropropane

Concen: 9.908 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725

Tgt Ion: 63 Resp: 129239

Ion Ratio Lower Upper

63 100

41 79.9 64.2 96.2

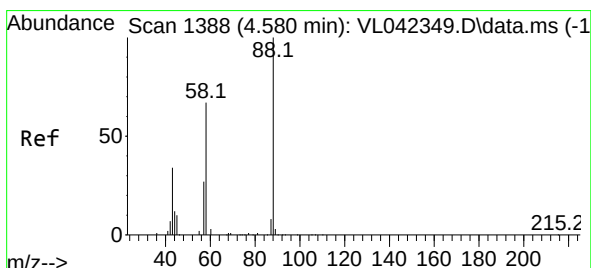
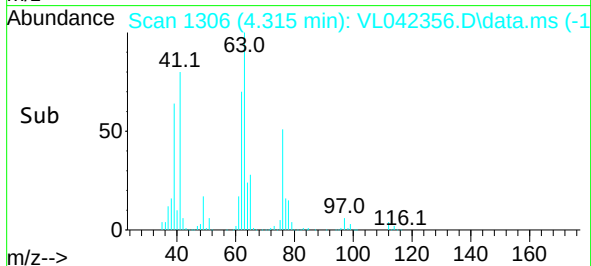
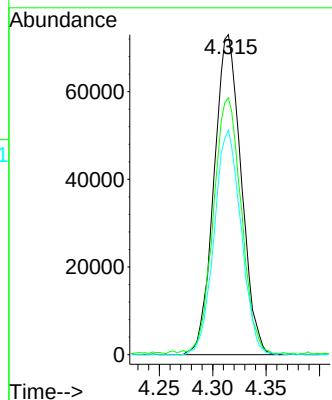
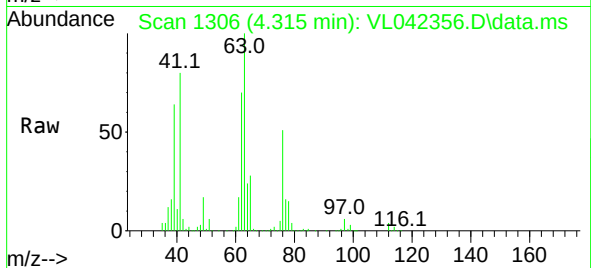
62 70.2 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 8.591 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.003 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Tgt Ion: 88 Resp: 61587

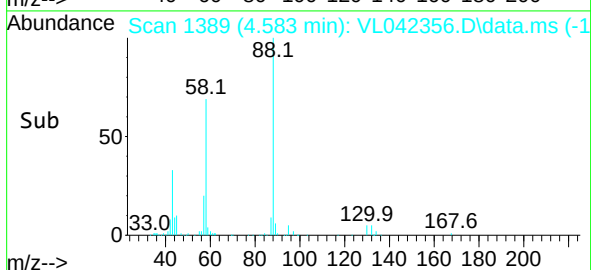
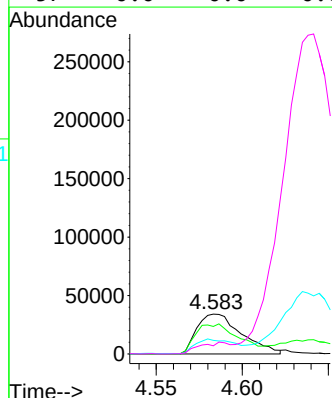
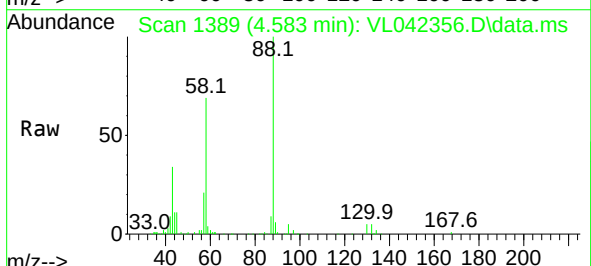
Ion Ratio Lower Upper

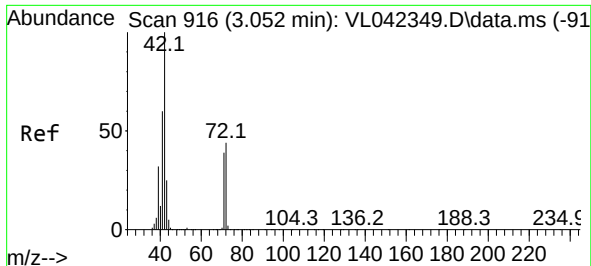
88 100

58 76.1 61.4 92.0

43 35.9 23.2 34.8#

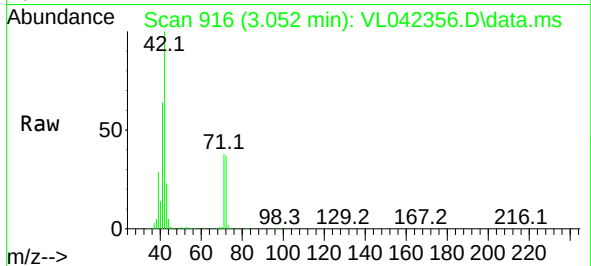
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.479 ppbv
RT: 3.052 min Scan# 916
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

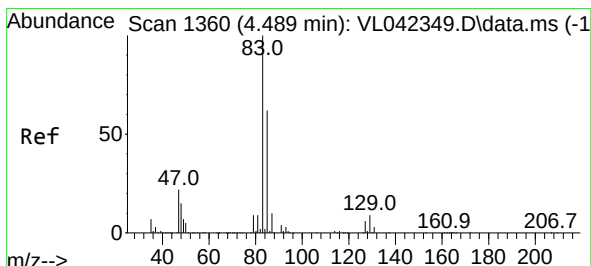
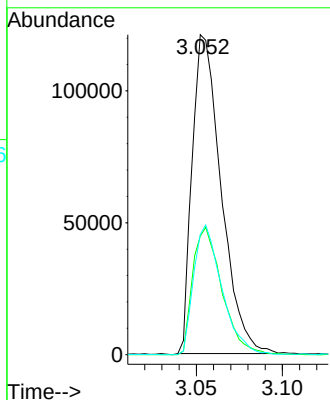
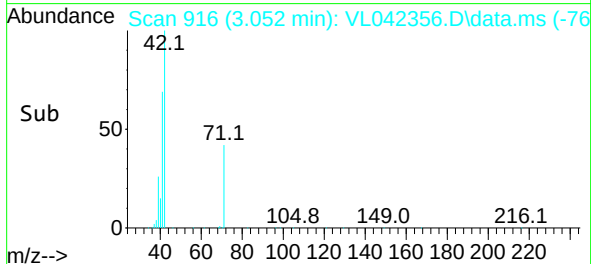
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



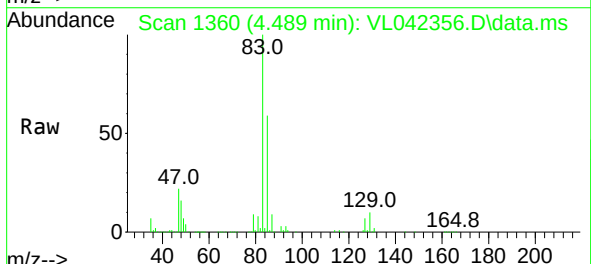
Tgt Ion: 42 Resp: 14186
Ion Ratio Lower Upper
42 100
72 40.2 32.3 48.5
71 39.8 31.4 47.2

Manual Integrations
APPROVED

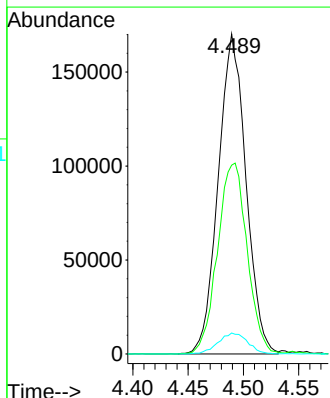
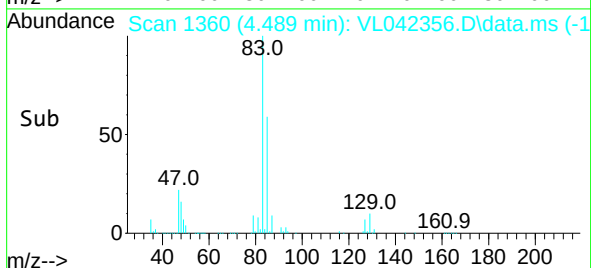
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

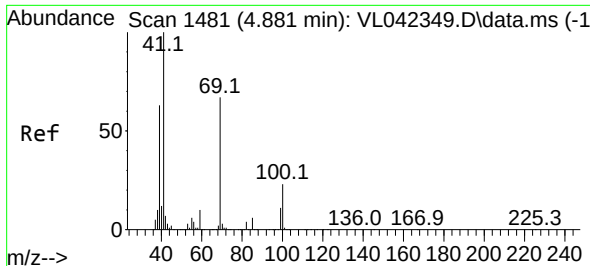


#42
Bromodichloromethane
Concen: 10.156 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



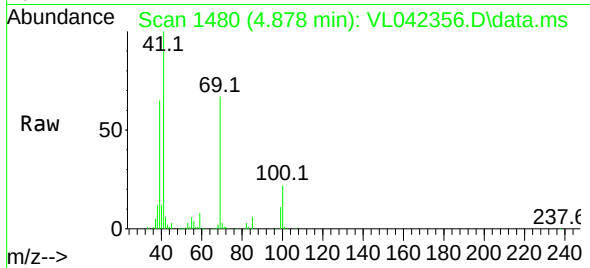
Tgt Ion: 83 Resp: 296946
Ion Ratio Lower Upper
83 100
85 59.0 49.7 74.5
127 6.6 5.1 7.7





#43
Methyl Methacrylate
Concen: 9.458 ppbv
RT: 4.878 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

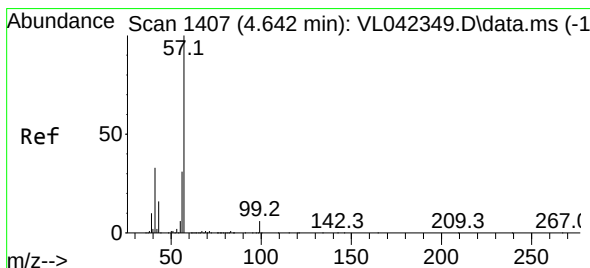
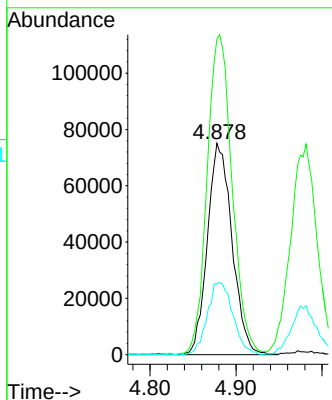
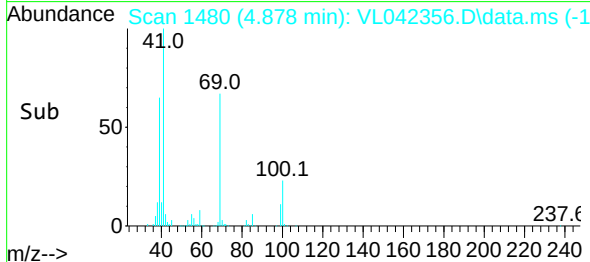
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



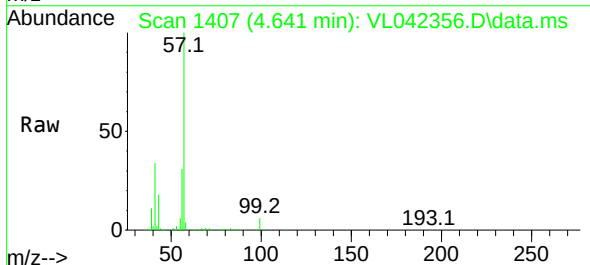
Tgt Ion: 69 Resp: 149209
Ion Ratio Lower Upper
69 100
41 154.1 118.6 177.8
100 35.5 28.2 42.2

Manual Integrations
APPROVED

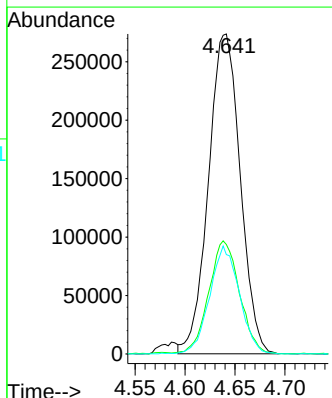
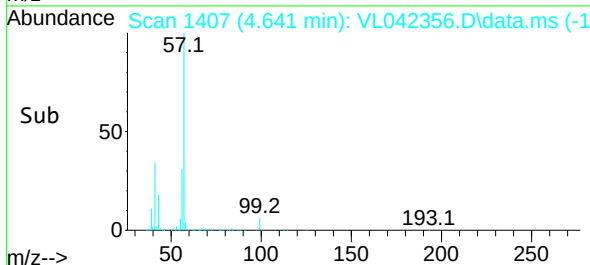
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

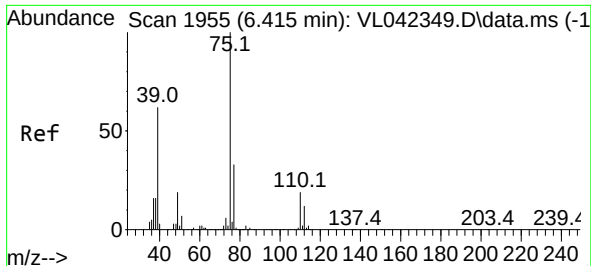


#44
2,2,4-Trimethylpentane
Concen: 10.030 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



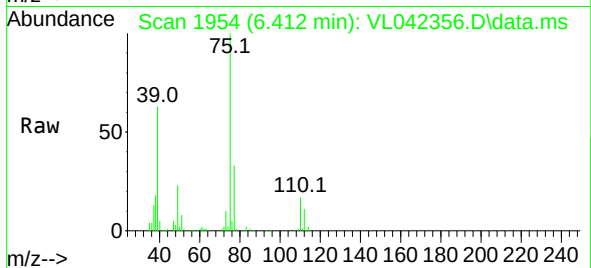
Tgt Ion: 57 Resp: 606376
Ion Ratio Lower Upper
57 100
41 34.3 27.2 40.8
56 31.6 25.7 38.5





#45
 t-1,3-Dichloropropene
 Concen: 9.975 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. -0.003 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

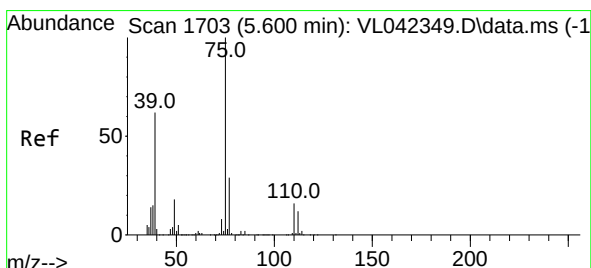
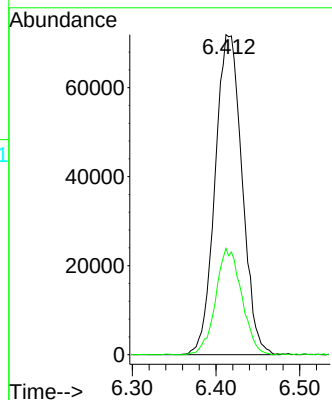
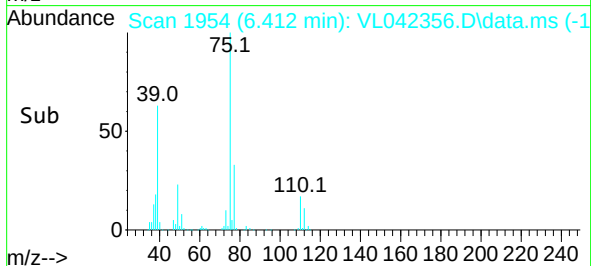
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725



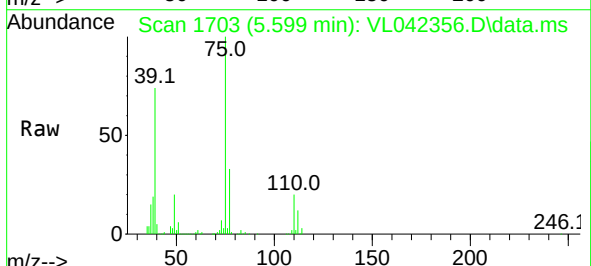
Tgt Ion: 75 Resp: 160750
 Ion Ratio Lower Upper
 75 100
 77 33.2 27.0 40.6

Manual Integrations
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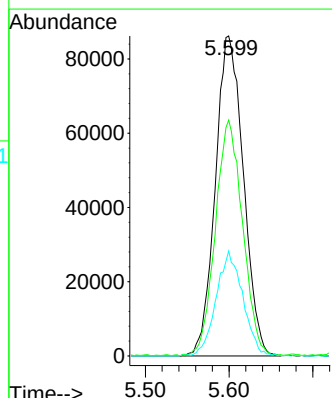
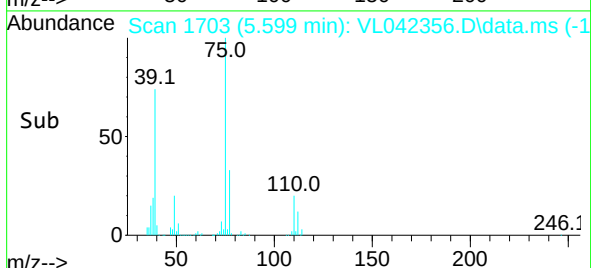
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

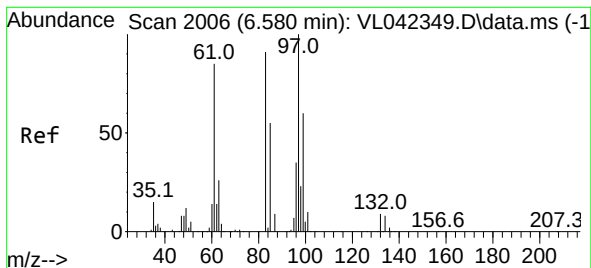


#46
 cis-1,3-Dichloropropene
 Concen: 10.148 ppbv
 RT: 5.599 min Scan# 1703
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43



Tgt Ion: 75 Resp: 200144
 Ion Ratio Lower Upper
 75 100
 39 73.7 50.0 75.0
 77 32.7 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 10.202 ppbv

RT: 6.583 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725

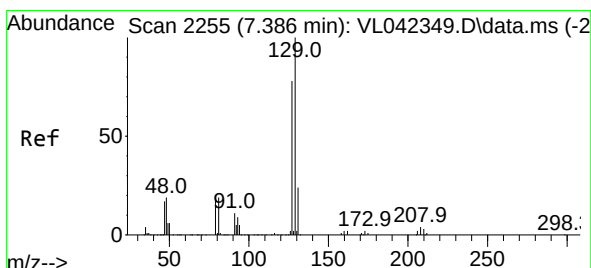
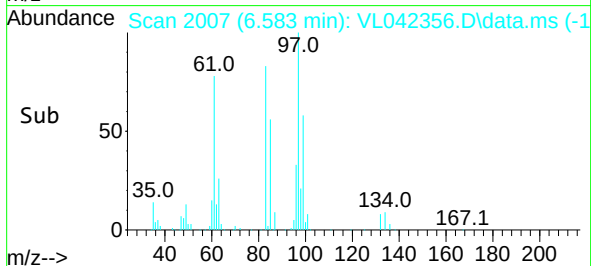
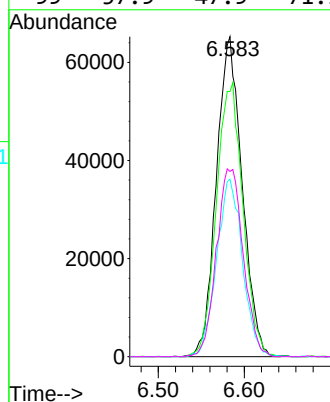
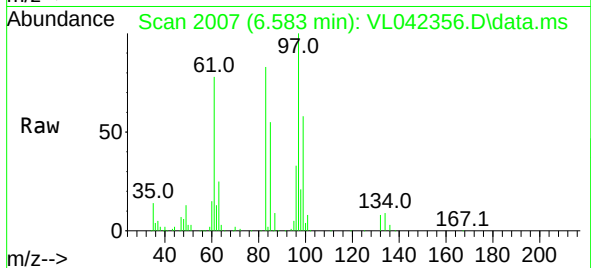
Tgt Ion:	97	Resp:	13557
Ion	Ratio	Lower	Upper
97	100		
83	82.8	72.8	109.2
85	55.5	44.2	66.4
99	57.9	47.9	71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#48

Dibromochloromethane

Concen: 10.103 ppbv

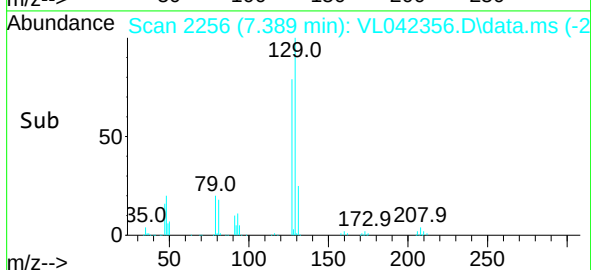
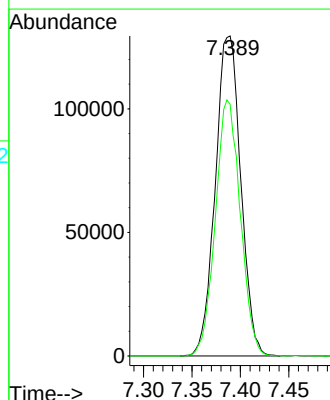
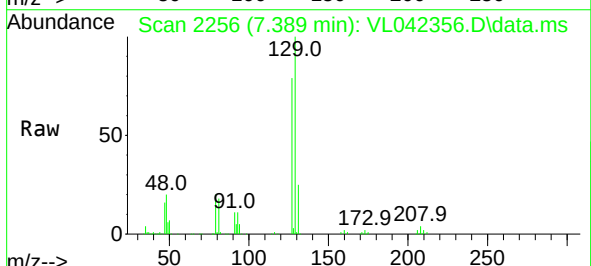
RT: 7.389 min Scan# 2256

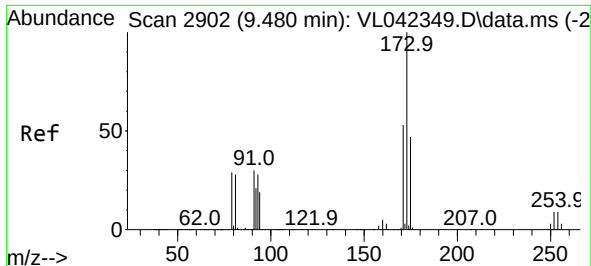
Delta R.T. 0.003 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

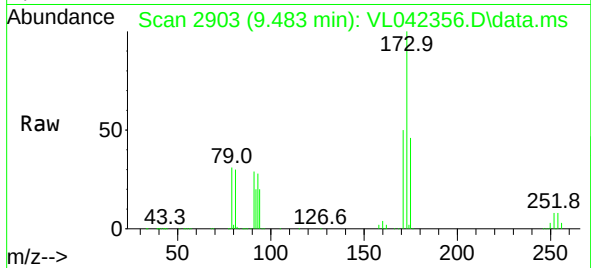
Tgt Ion:	129	Resp:	237206
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3





#49
Bromoform
Concen: 10.016 ppbv
RT: 9.483 min Scan# 2902
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

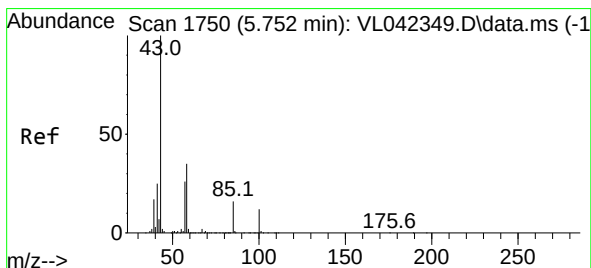
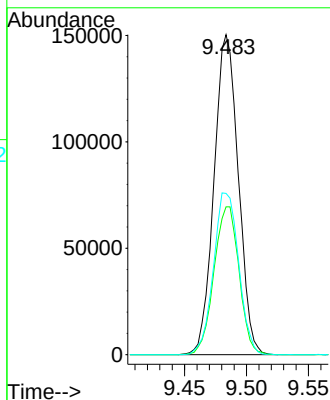
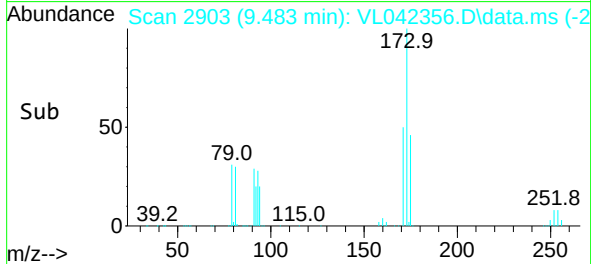
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725



Tgt Ion:173 Resp: 205630
Ion Ratio Lower Upper
173 100
175 47.6 38.2 57.2
171 52.5 40.9 61.3

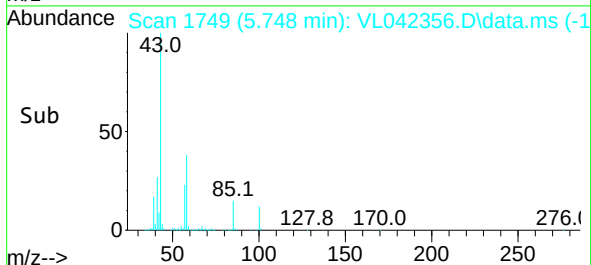
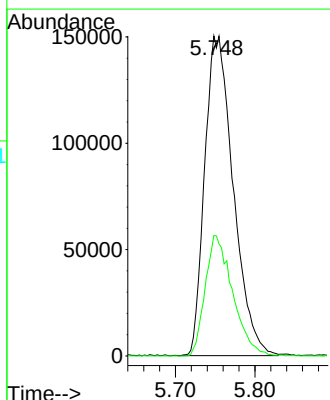
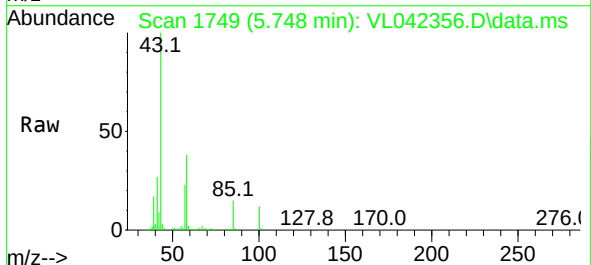
Manual Integrations
APPROVED

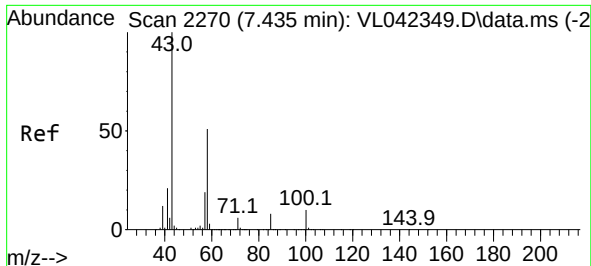
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#50
4-Methyl-2-Pentanone
Concen: 8.819 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

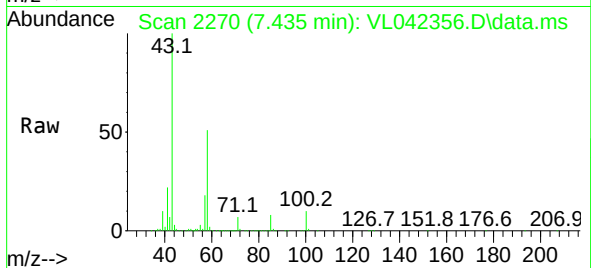
Tgt Ion: 43 Resp: 376145
Ion Ratio Lower Upper
43 100
58 36.2 28.6 43.0





#51
2-Hexanone
Concen: 8.118 ppbv
RT: 7.435 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

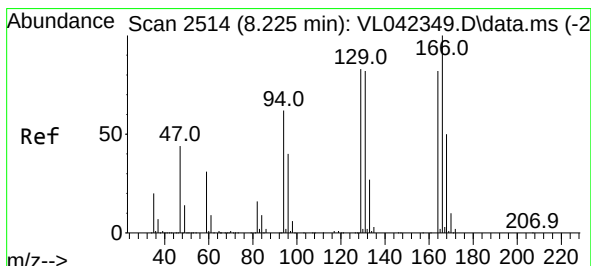
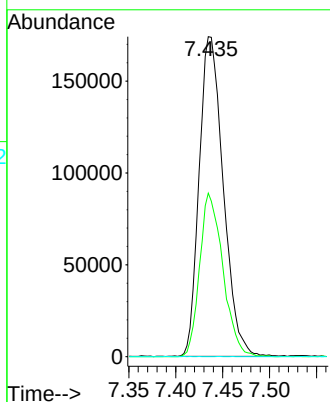
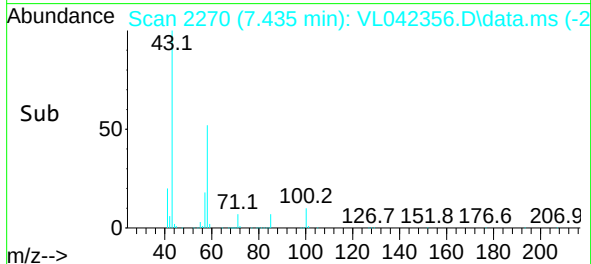
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



Tgt Ion: 43 Resp: 31052
Ion Ratio Lower Upper
43 100
58 49.3 40.2 60.4
98 0.0 0.1 0.1

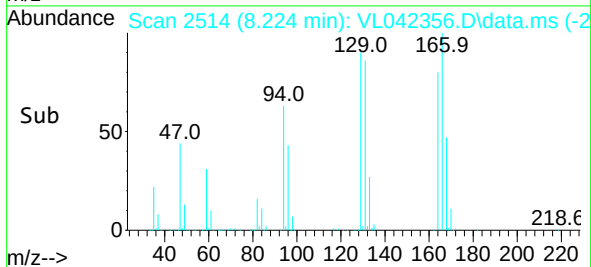
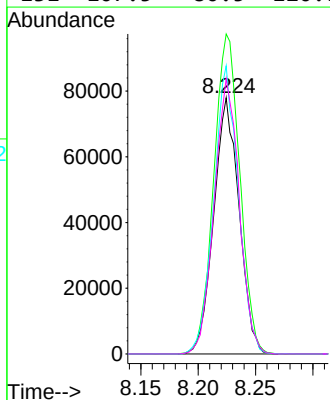
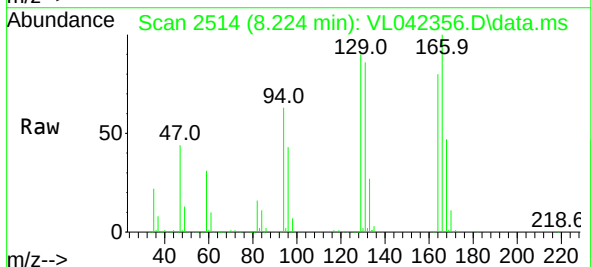
Manual Integrations
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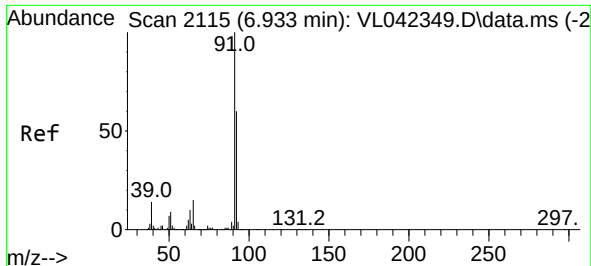
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 8.827 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

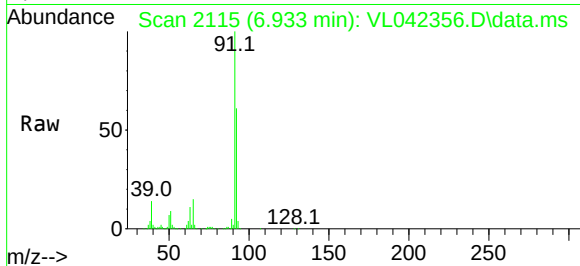
Tgt Ion:164 Resp: 119424
Ion Ratio Lower Upper
164 100
166 124.9 98.2 147.2
129 112.5 81.8 122.8
131 107.5 80.5 120.7





#53
Toluene
Concen: 9.986 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

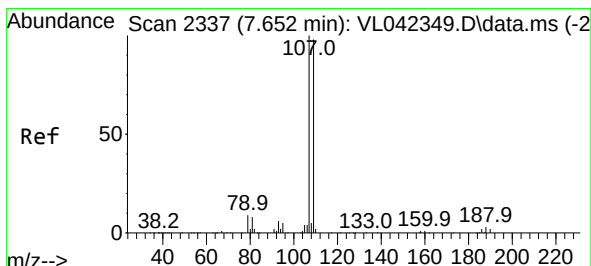
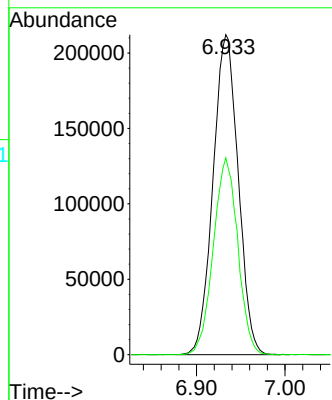
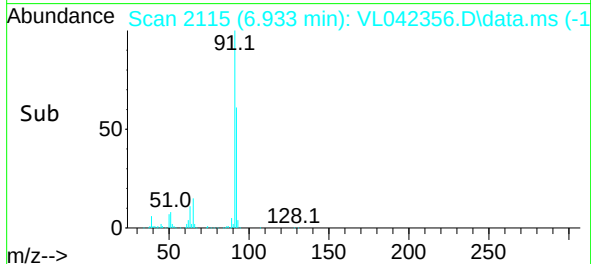
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



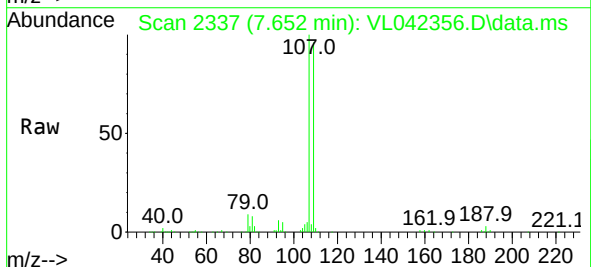
Tgt Ion: 91 Resp: 419462
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4

Manual Integrations APPROVED

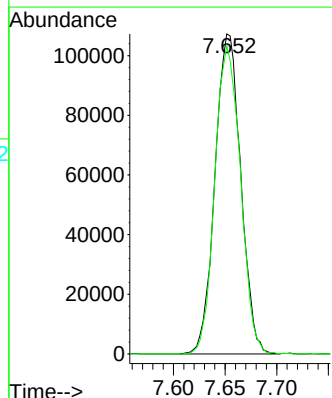
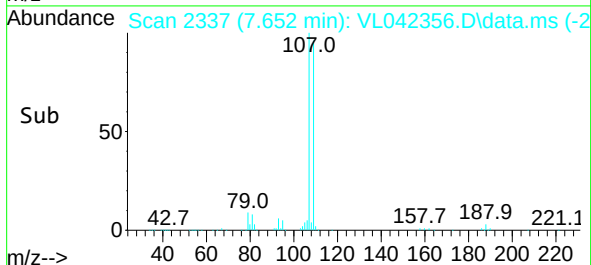
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

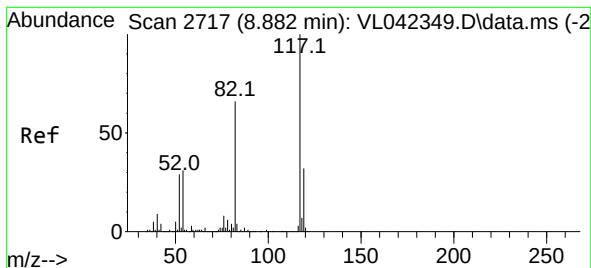


#54
1,2-Dibromoethane
Concen: 9.792 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion:107 Resp: 186231
Ion Ratio Lower Upper
107 100
109 96.3 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2717

Delta R.T. -0.000 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

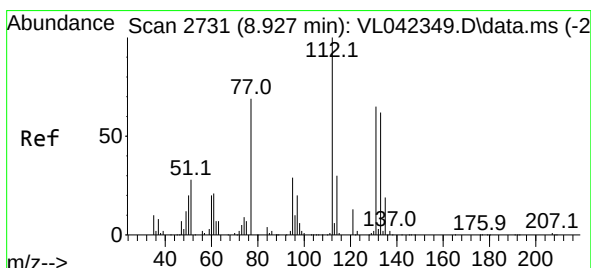
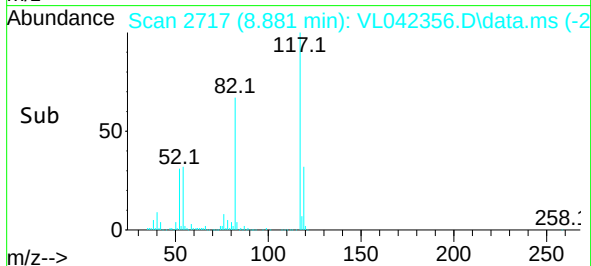
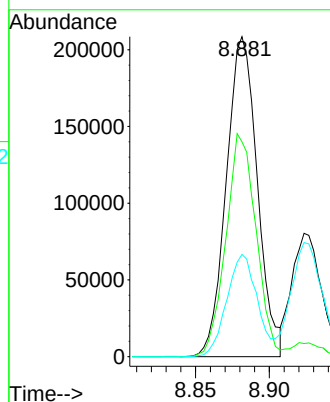
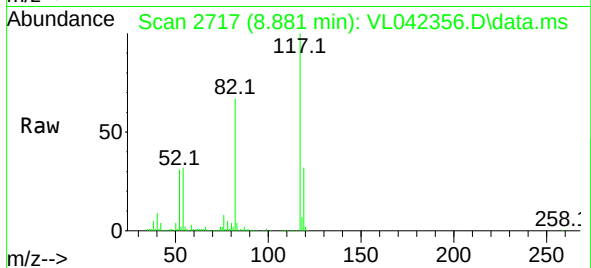
ICVVL041725

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.3	57.8	86.6
119	31.8	25.2	37.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.886 ppbv

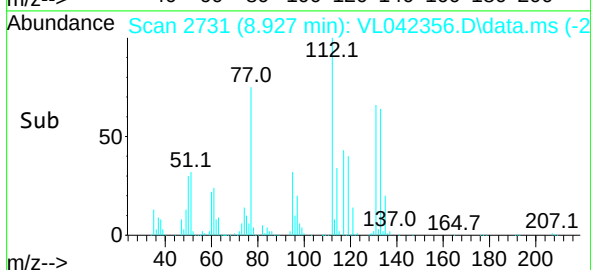
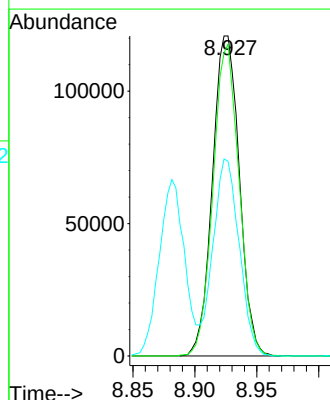
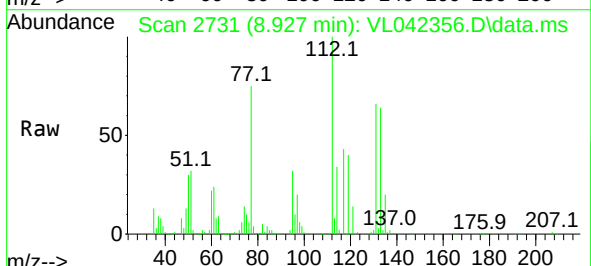
RT: 8.927 min Scan# 2731

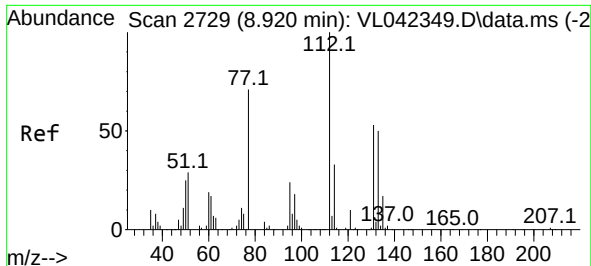
Delta R.T. -0.000 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

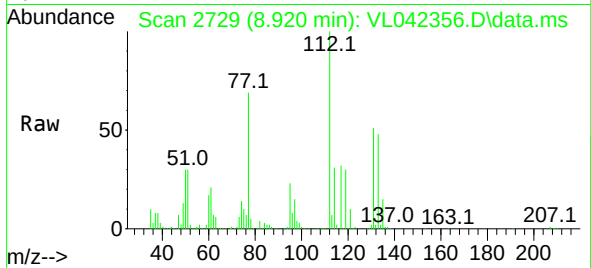
Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	78.3	117.5
119	59.4	48.7	73.1





#57
Chlorobenzene
Concen: 9.589 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

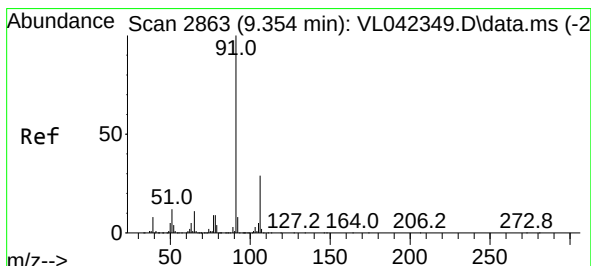
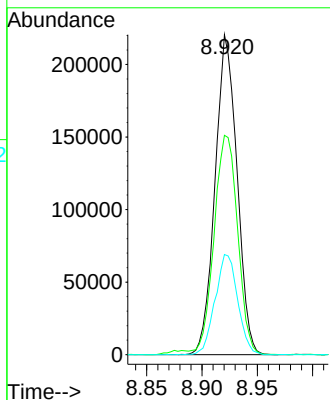
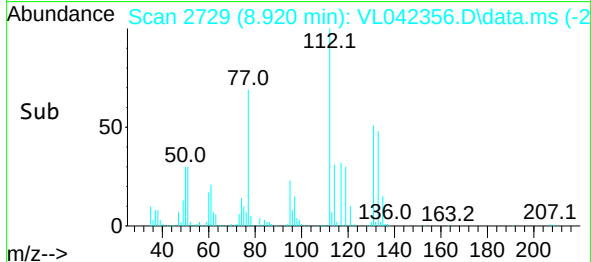
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



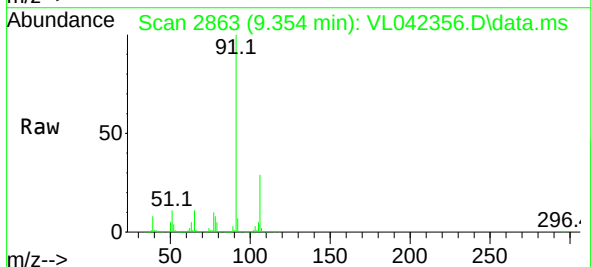
Tgt Ion: 112 Resp: 30453
Ion Ratio Lower Upper
112 100
77 68.5 57.8 86.6
114 31.3 29.3 35.9

Manual Integrations APPROVED

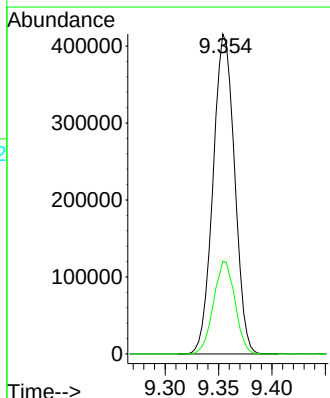
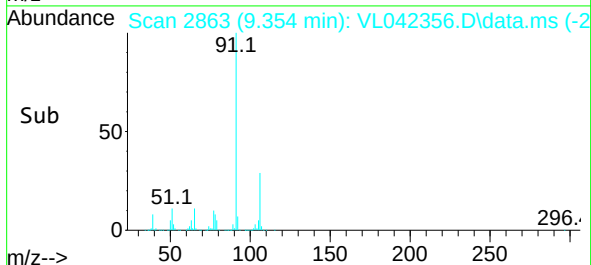
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

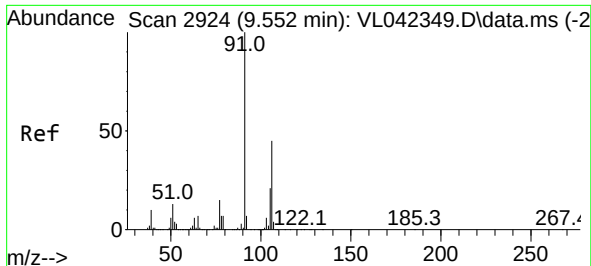


#58
Ethyl Benzene
Concen: 9.645 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion: 91 Resp: 583515
Ion Ratio Lower Upper
91 100
106 29.0 23.0 34.4





#59

m/p-Xylene

Concen: 19.139 ppbv m

RT: 9.532 min Scan# 2918

Delta R.T. -0.020 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041725

Tgt Ion: 91 Resp: 93280

Ion Ratio Lower Upper

91 100

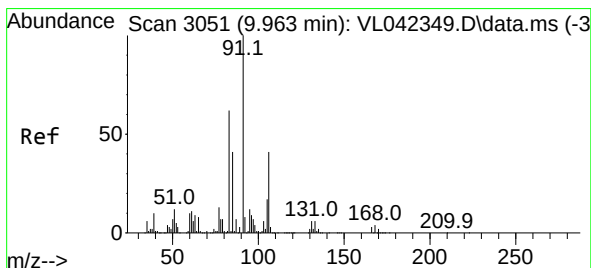
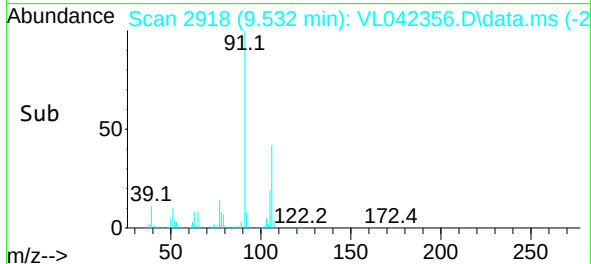
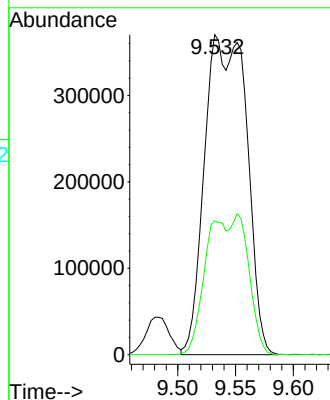
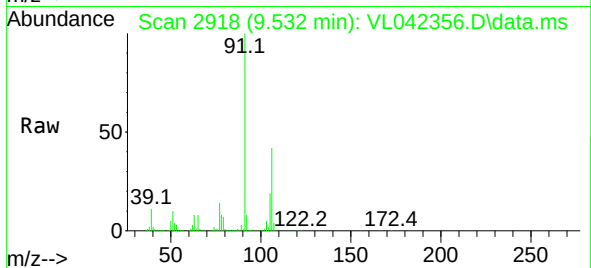
106 43.7 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 9.465 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042356.D

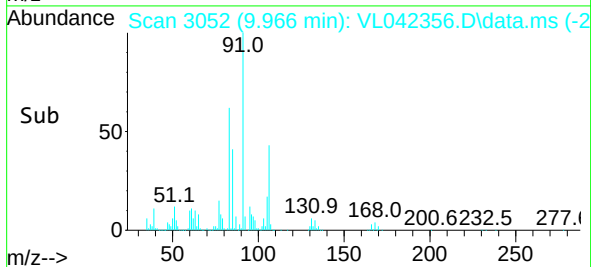
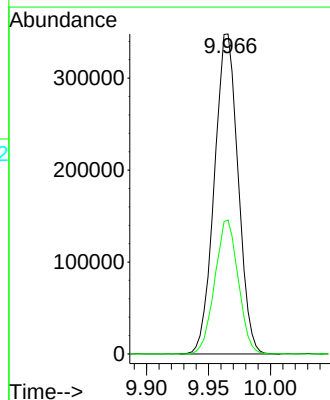
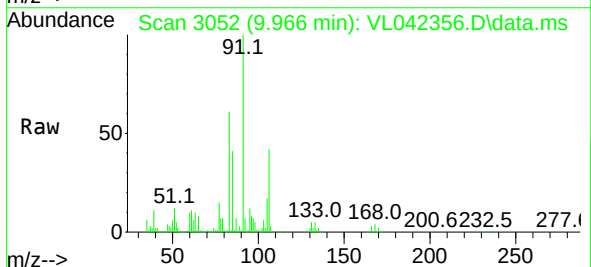
Acq: 17 Apr 2025 13:43

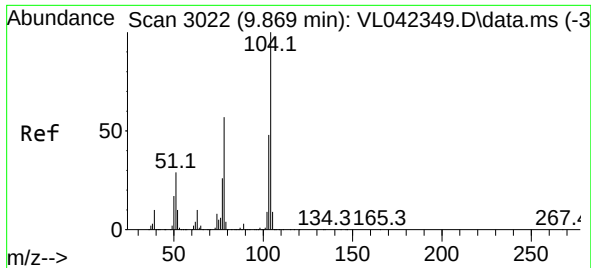
Tgt Ion: 91 Resp: 464522

Ion Ratio Lower Upper

91 100

106 41.4 21.1 63.4





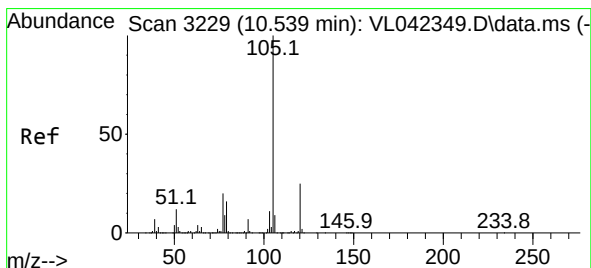
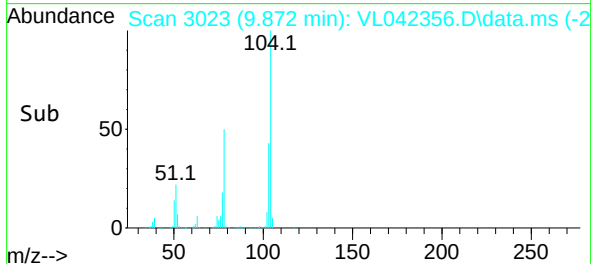
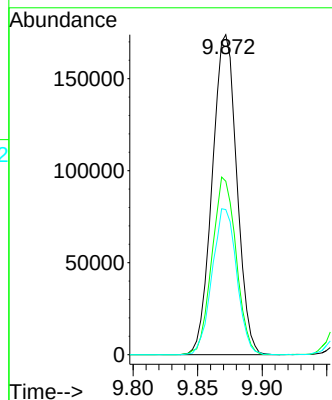
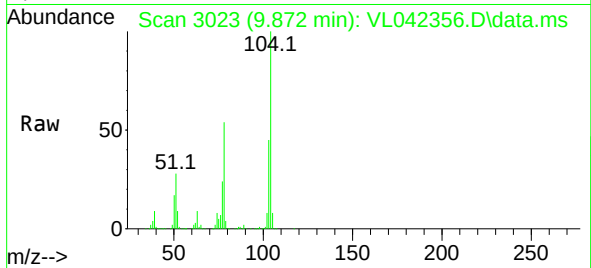
#61
Styrene
Concen: 9.813 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument : MSVOA_L
ClientSampleId : ICVVL041725

Tgt Ion:104 Resp: 229865
Ion Ratio Lower Upper
104 100
78 54.5 44.6 66.8
103 45.7 37.4 56.0

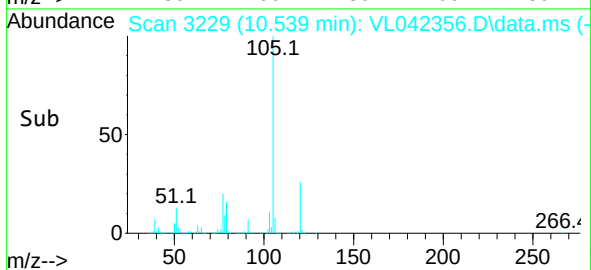
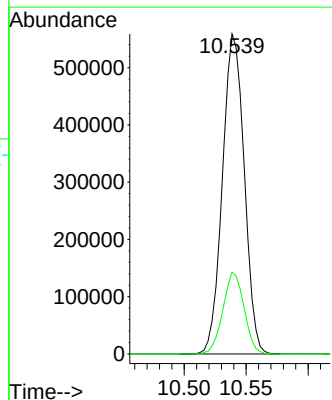
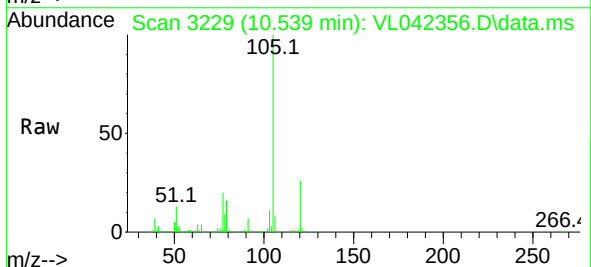
Manual Integrations
APPROVED

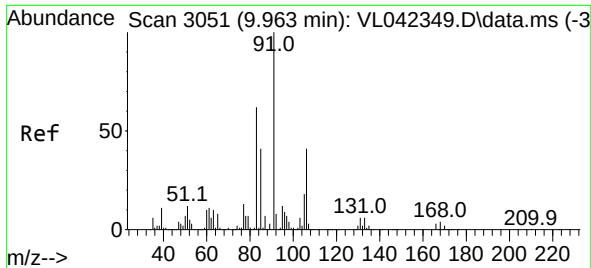
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 9.520 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

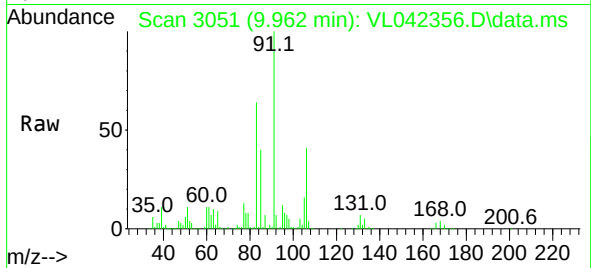
Tgt Ion:105 Resp: 685965
Ion Ratio Lower Upper
105 100
120 24.8 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.773 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

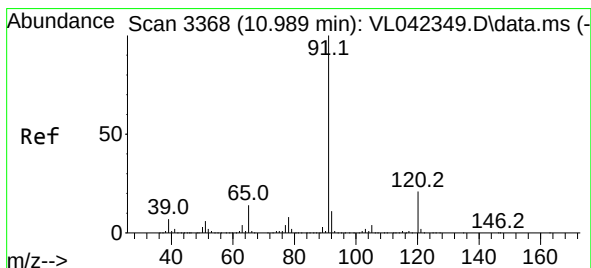
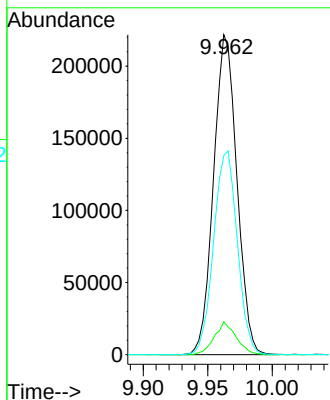
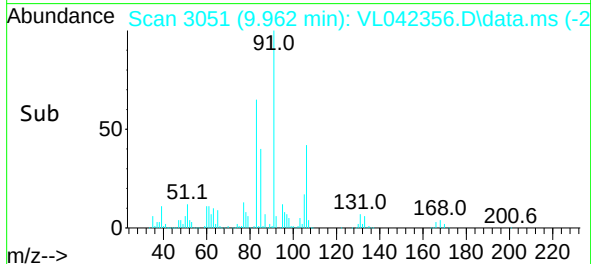
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



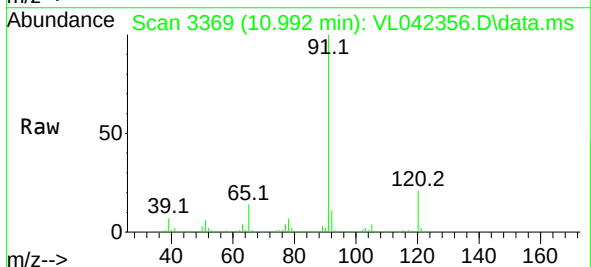
Tgt Ion: 83 Resp: 27900
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.7
85 64.6 32.4 97.0

Manual Integrations
APPROVED

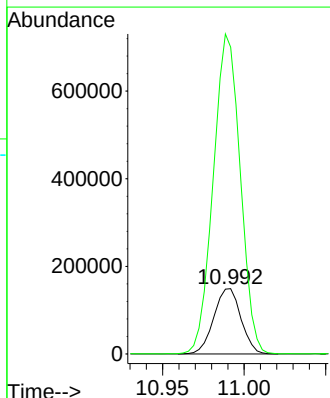
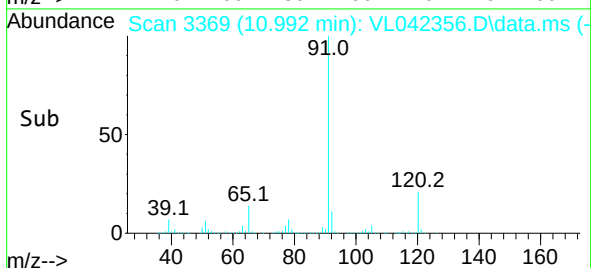
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

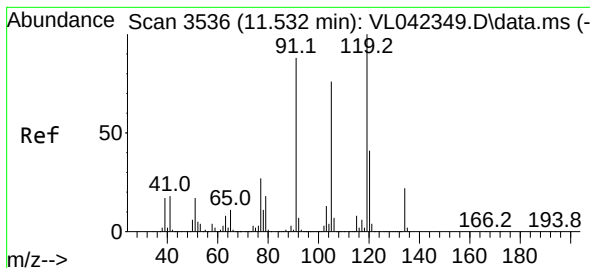


#64
n-propylbenzene
Concen: 9.533 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



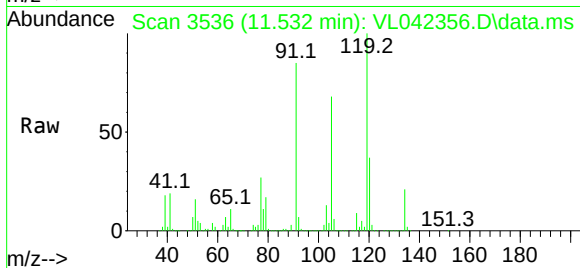
Tgt Ion:120 Resp: 172654
Ion Ratio Lower Upper
120 100
91 487.7 392.4 588.6





#65
tert-Butylbenzene
Concen: 9.203 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

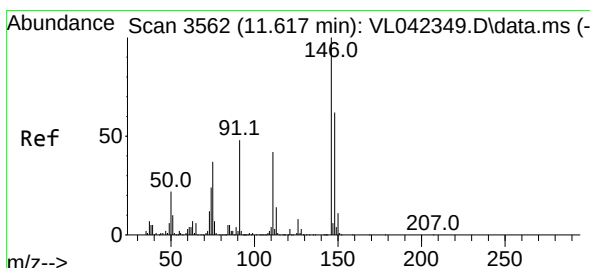
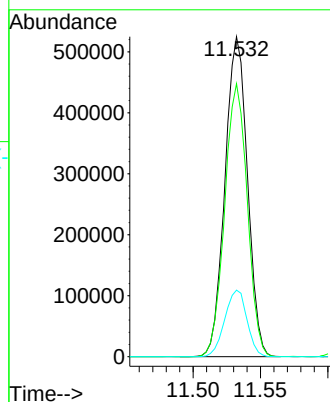
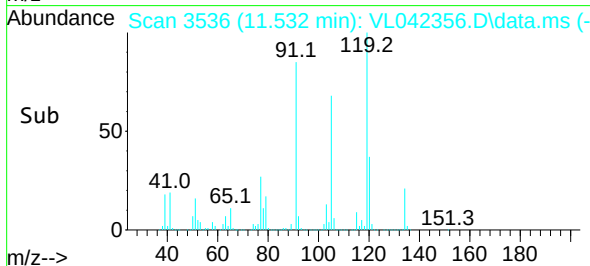
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



Tgt Ion: 119 Resp: 609500
Ion Ratio Lower Upper
119 100
91 85.8 74.6 111.8
134 20.5 18.8 28.2

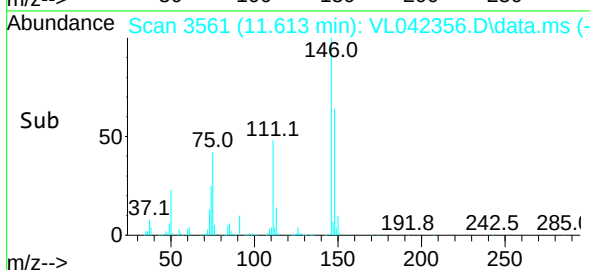
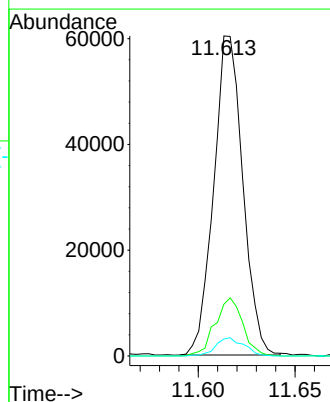
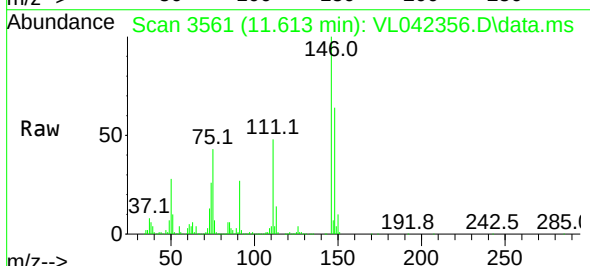
Manual Integrations
APPROVED

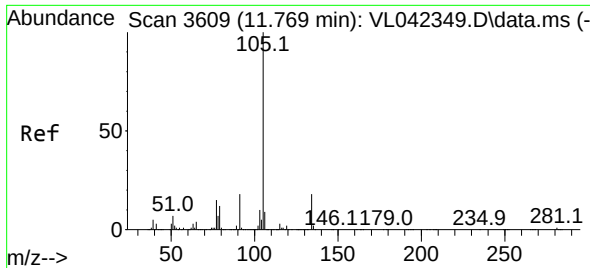
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#66
Benzyl Chloride
Concen: 8.664 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

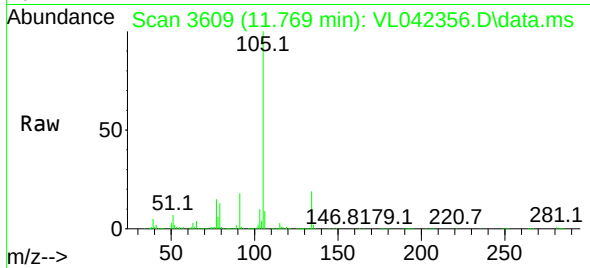
Tgt Ion: 91 Resp: 63051
Ion Ratio Lower Upper
91 100
126 17.3 11.8 17.6
128 5.6 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 9.268 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

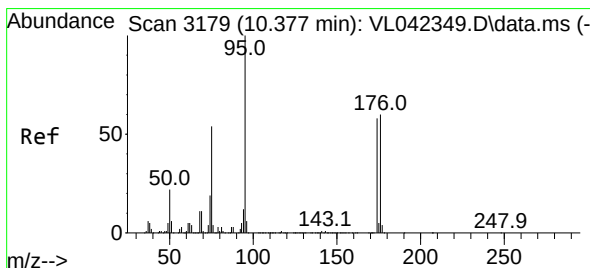
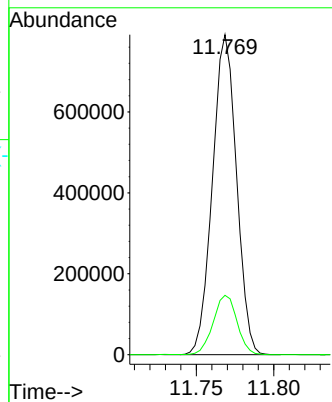
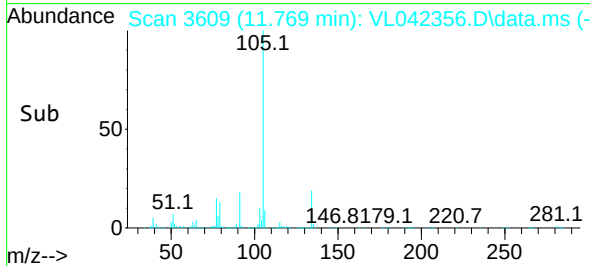
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725



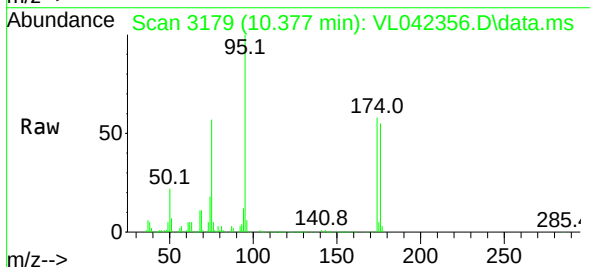
Tgt Ion:105 Resp: 85380
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8

Manual Integrations APPROVED

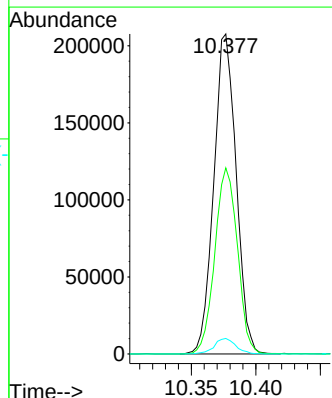
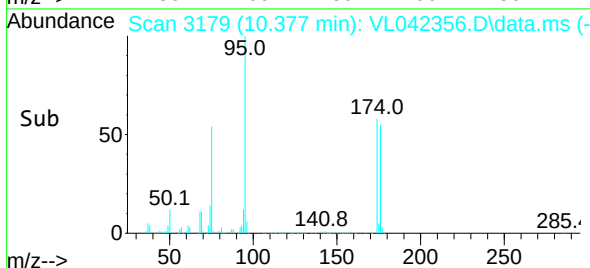
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

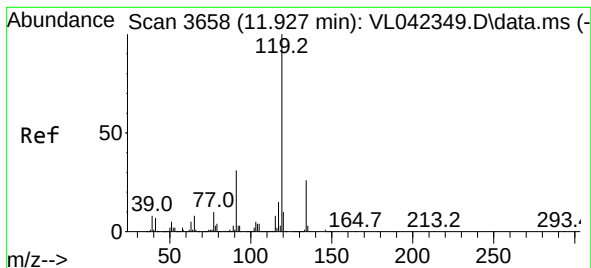


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.969 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43



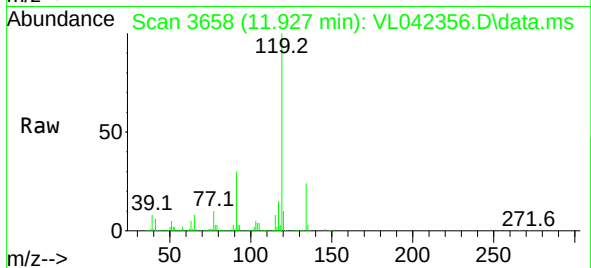
Tgt Ion: 95 Resp: 250149
 Ion Ratio Lower Upper
 95 100
 174 58.7 48.5 72.7
 175 4.7 3.7 5.5





#69
p-Isopropyltoluene
Concen: 9.220 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

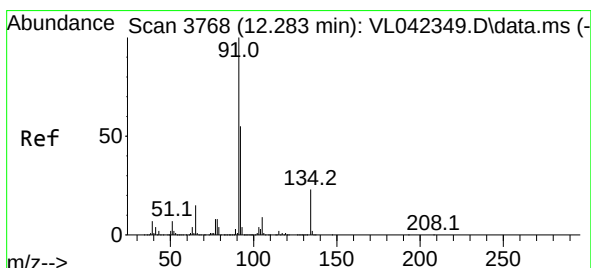
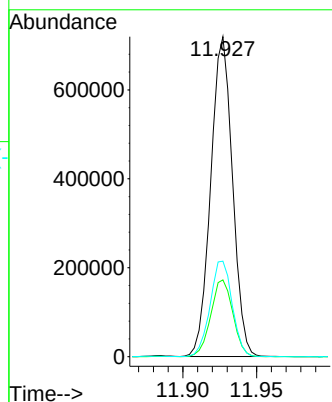
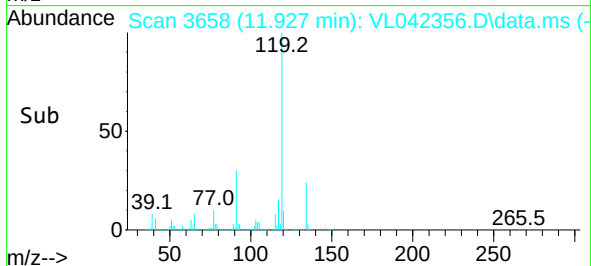
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



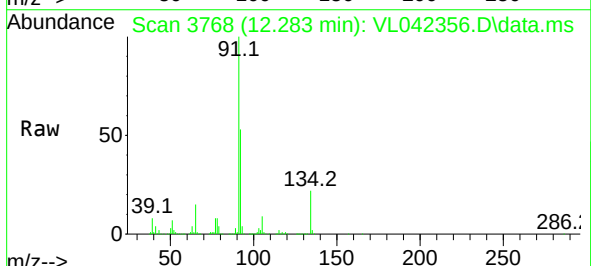
Tgt Ion: 119 Resp: 737861
Ion Ratio Lower Upper
119 100
134 24.5 20.0 30.0
91 30.6 24.4 36.6

Manual Integrations
APPROVED

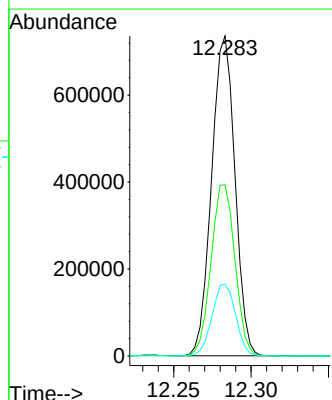
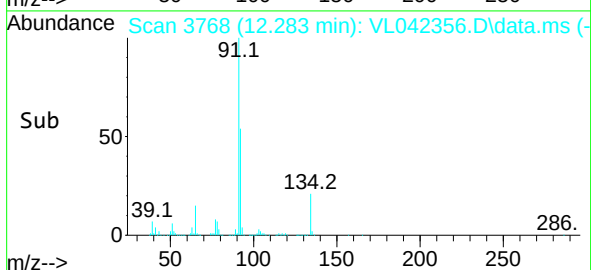
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

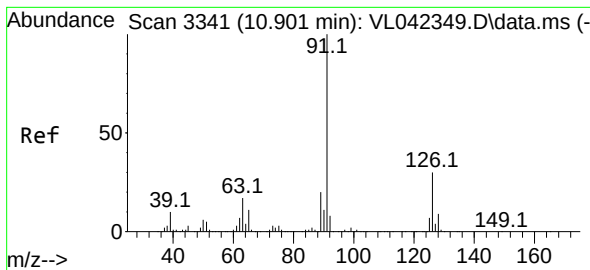


#70
n-Butylbenzene
Concen: 9.255 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion: 91 Resp: 771461
Ion Ratio Lower Upper
91 100
92 54.9 44.2 66.4
134 22.7 18.2 27.4





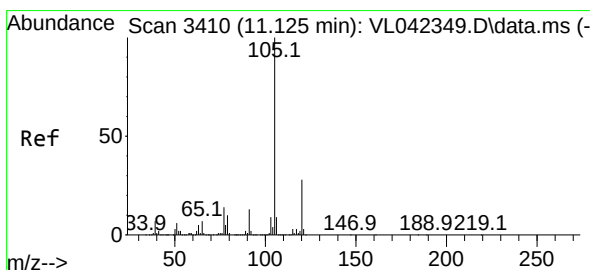
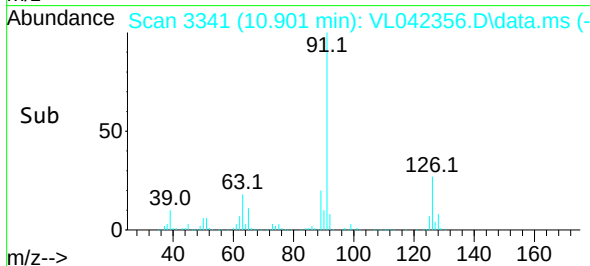
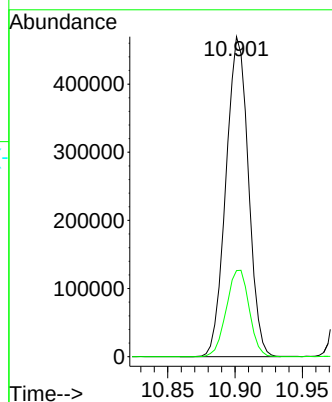
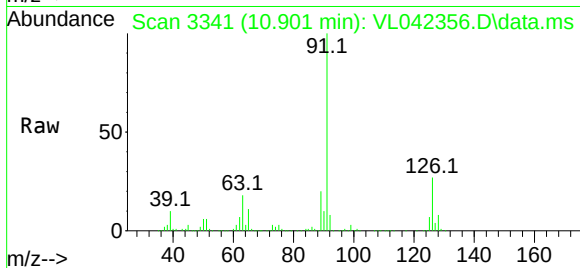
#71
2-Chlorotoluene
Concen: 9.622 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 91 Resp: 543794
Ion Ratio Lower Upper
91 100
126 27.5 11.4 45.4

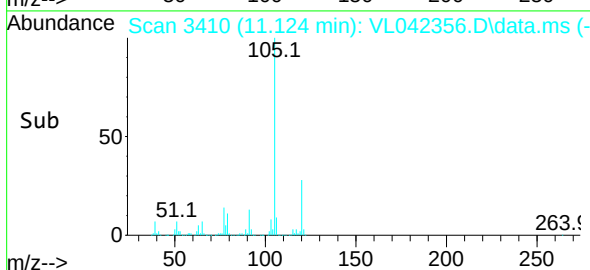
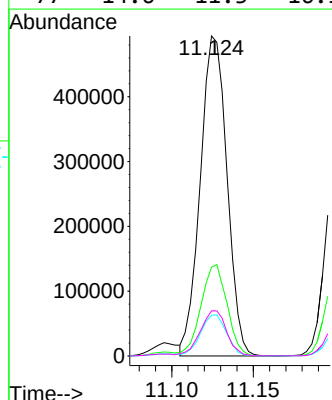
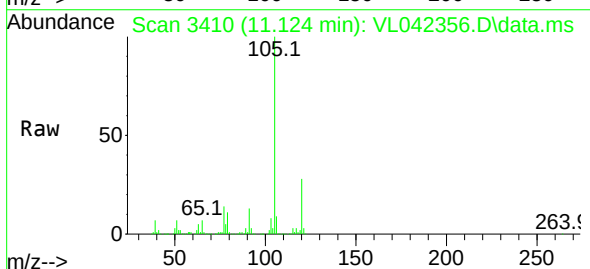
Manual Integrations
APPROVED

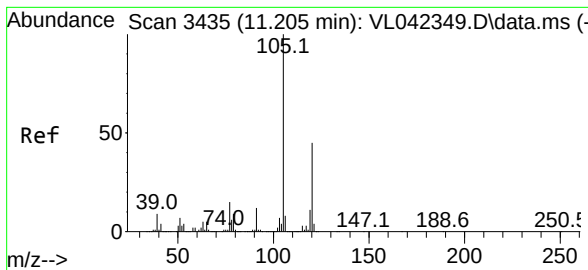
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 9.385 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

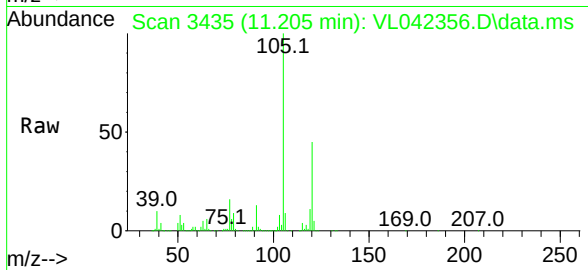
Tgt Ion:105 Resp: 563136
Ion Ratio Lower Upper
105 100
120 28.9 23.2 34.8
91 13.2 10.4 15.6
77 14.6 11.3 16.9





#73
1,3,5-Trimethylbenzene
Concen: 9.186 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

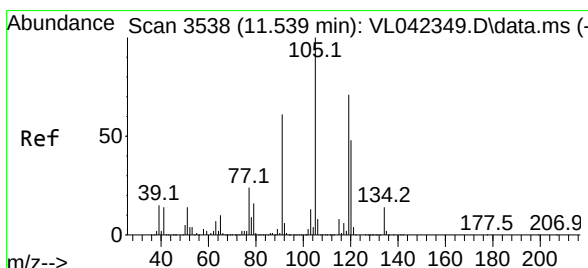
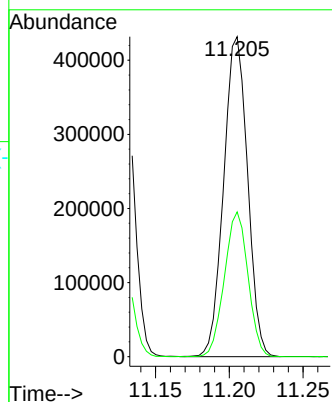
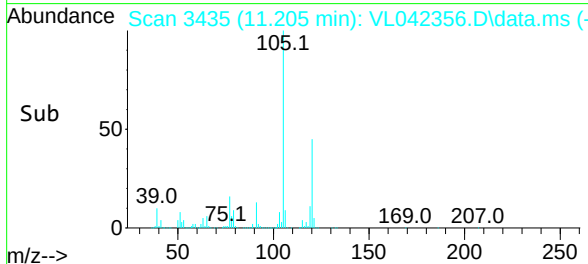
Instrument : MSVOA_L
ClientSampleId : ICVVL041725



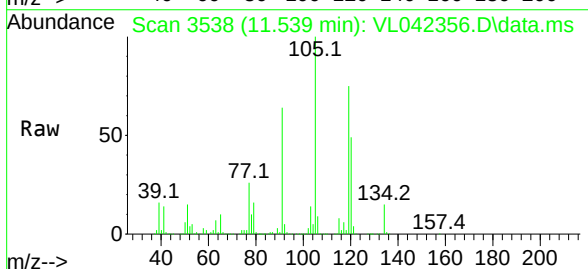
Tgt Ion:105 Resp: 486583
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4

Manual Integrations
APPROVED

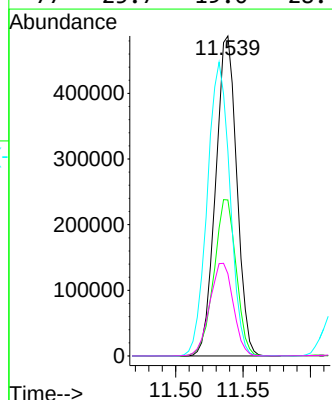
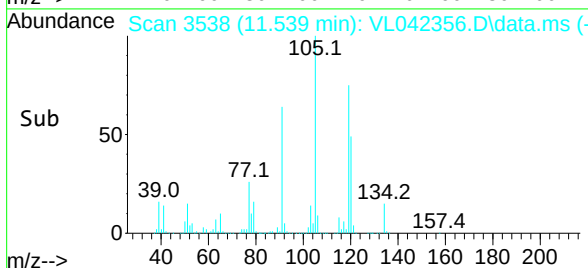
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

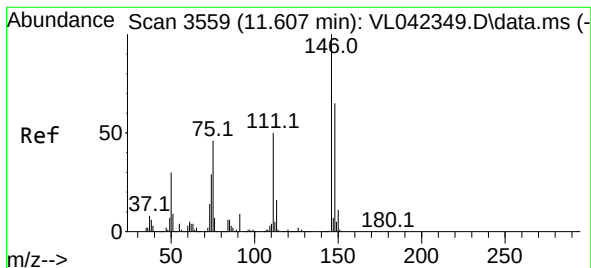


#74
1,2,4-Trimethylbenzene
Concen: 8.592 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



Tgt Ion:105 Resp: 531576
Ion Ratio Lower Upper
105 100
120 48.7 38.1 57.1
91 64.0 48.8 73.2
77 25.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.240 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

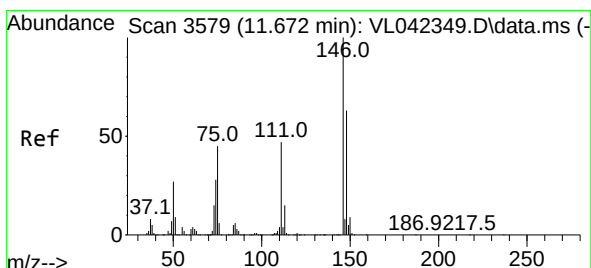
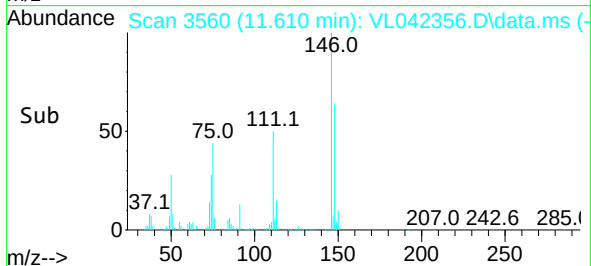
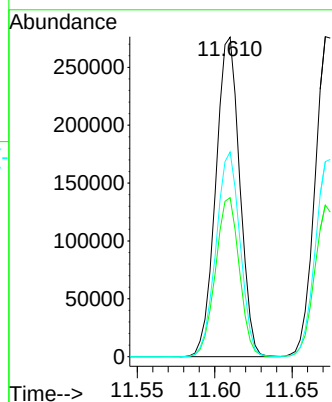
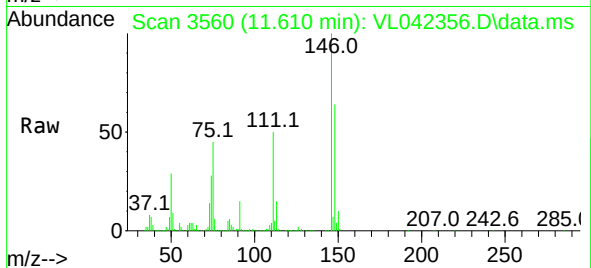
ICVVL041725

Tgt Ion:	146	Resp:	29715
Ion Ratio	Lower	Upper	
146	100		
111	49.5	24.3	72.8
148	64.1	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 9.210 ppbv

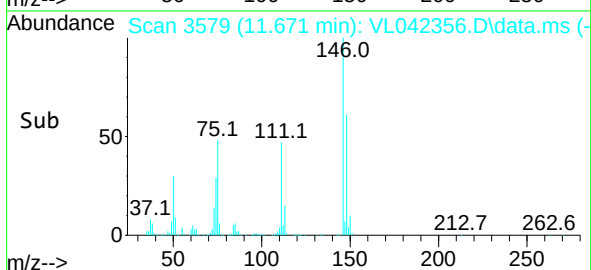
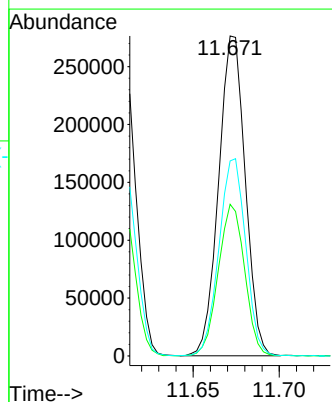
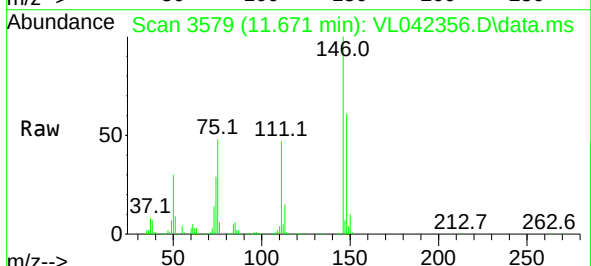
RT: 11.671 min Scan# 3579

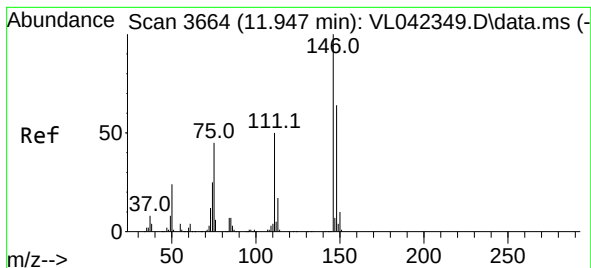
Delta R.T. -0.000 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Tgt Ion:	146	Resp:	297697
Ion Ratio	Lower	Upper	
146	100		
111	47.1	24.2	72.6
148	62.3	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 9.251 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.003 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

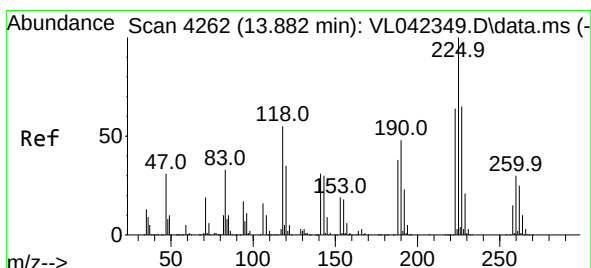
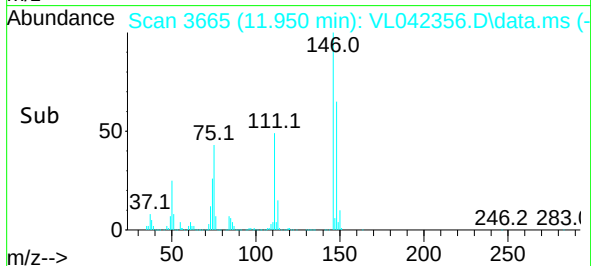
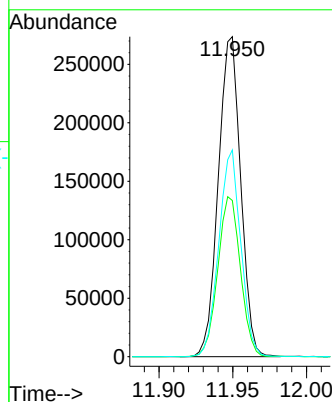
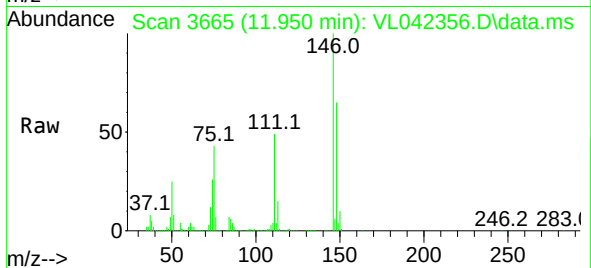
ICVVL041725

Tgt Ion:	146	Resp:	289284
Ion Ratio	Lower	Upper	
146	100		
111	50.8	25.3	75.9
148	63.4	31.5	94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.771 ppbv

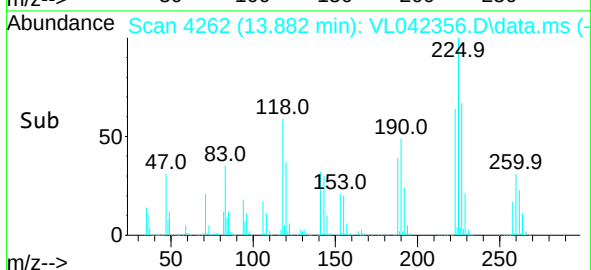
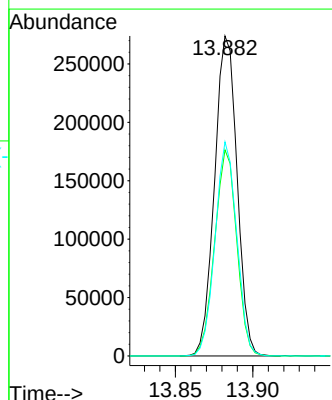
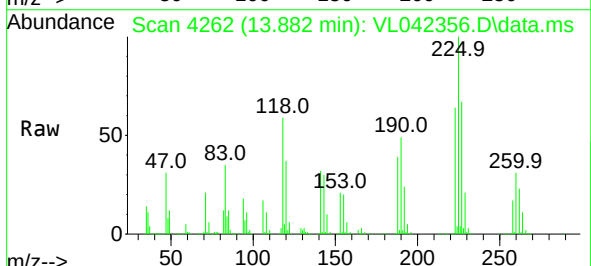
RT: 13.882 min Scan# 4262

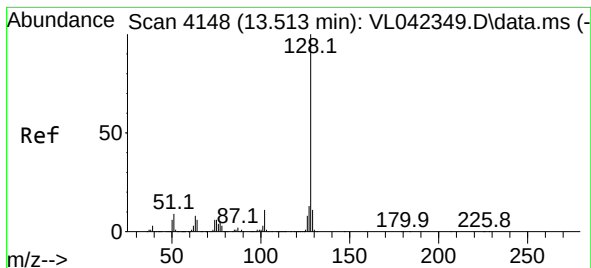
Delta R.T. -0.000 min

Lab File: VL042356.D

Acq: 17 Apr 2025 13:43

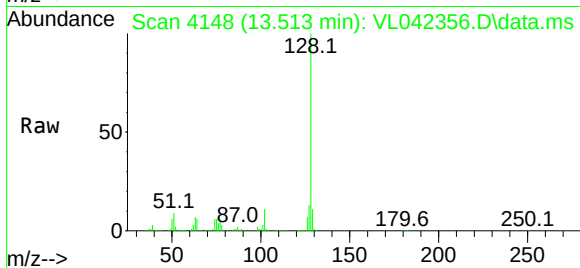
Tgt Ion:	225	Resp:	276960
Ion Ratio	Lower	Upper	
225	100		
223	63.0	50.3	75.5
227	64.5	51.5	77.3





#79
Naphthalene
Concen: 8.750 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

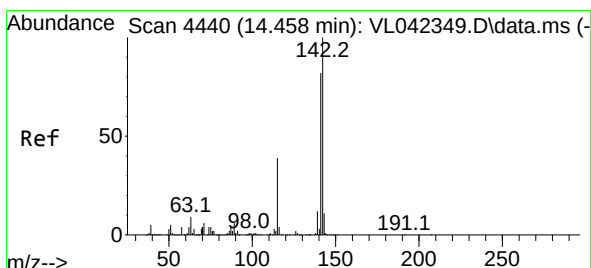
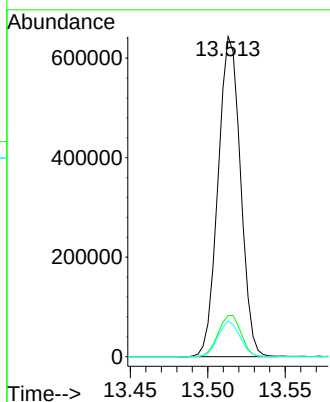
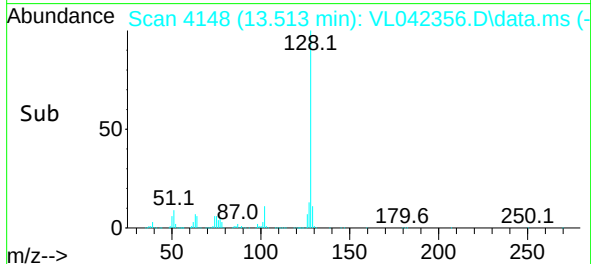
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725



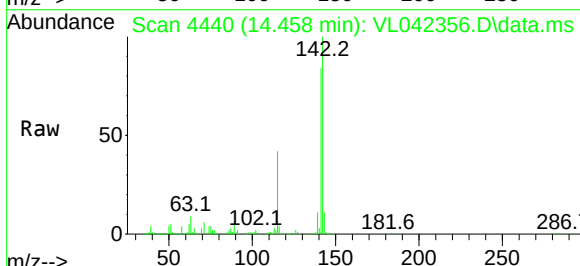
Tgt Ion:128 Resp: 647349
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.1 8.6 12.8

Manual Integrations
APPROVED

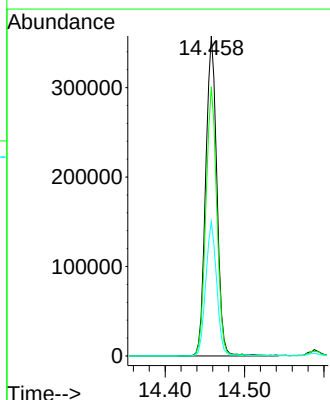
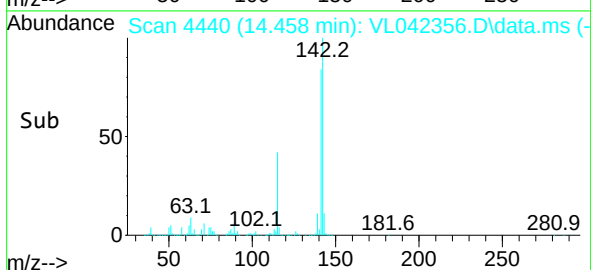
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

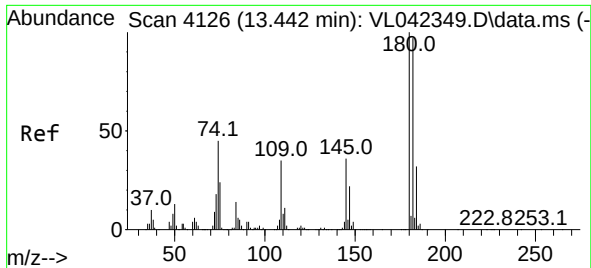


#80
Naphthalene,2-methyl-
Concen: 8.307 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43



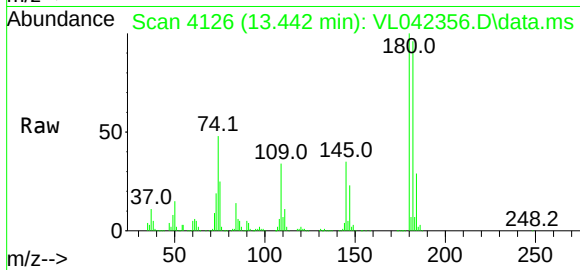
Tgt Ion:142 Resp: 350259
Ion Ratio Lower Upper
142 100
141 83.0 66.8 100.2
115 41.4 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 9.136 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042356.D
 Acq: 17 Apr 2025 13:43

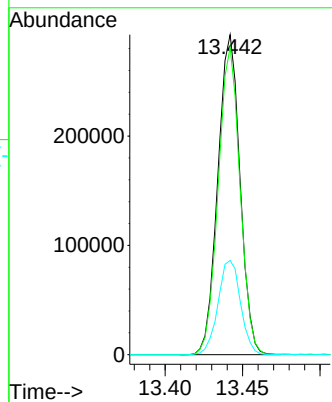
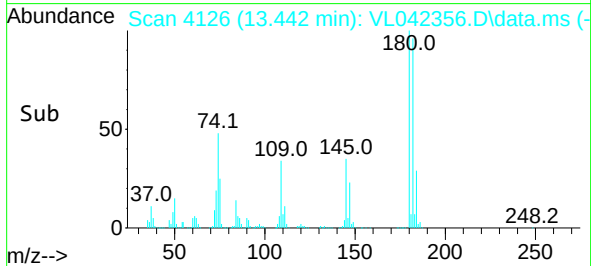
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725



Tgt Ion:180 Resp: 290260
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.8 115.2
 184 30.1 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042356.D
 Acq On : 17 Apr 2025 13:43
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL041725

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

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	1.767	1.734	1.9	95	0.00
3	Chlorodifluoromethane	1.682	1.676	0.4	97	0.00
4	Chloromethane	0.699	0.685	2.0	95	0.00
5 T	Vinyl Chloride	0.761	0.663	12.9	94	0.00
6 T	Bromomethane	0.327	0.308	5.8	92	0.00
7	Chloroethane	0.275	0.265	3.6	95	0.00
8 T	Dichlorotetrafluoroethane	1.517	1.516	0.1	96	0.00
9 T	Propene	0.766	0.742	3.1	98	0.00
10 T	Heptane	2.153	1.946	9.6	94	0.00
11 T	Trichlorofluoromethane	1.680	1.648	1.9	96	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.374	1.303	5.2	92	0.00
13	Ethanol	0.122	0.037#	69.7#	94	0.00
14 T	Bromoethene	0.518	0.512	1.2	95	0.00
15 T	Acetone	1.637	1.392	15.0	100	0.00
16 T	1,3-Butadiene	0.783	0.691	11.7	96	0.00
17	tert-Butyl alcohol	2.029	1.921	5.3	97	0.00
18 T	1,1-Dichloroethene	0.642	0.596	7.2	93	0.00
19 T	Isopropyl Alcohol	0.909	0.845	7.0	94	0.00
20 T	Methylene Chloride	0.641	0.519	19.0	95	0.00
21 T	Allyl Chloride	1.130	1.059	6.3	99	0.00
22 T	trans-1,2-Dichloroethene	0.731	0.685	6.3	94	0.00
23 T	Vinyl Acetate	0.663	0.644	2.9	105	0.00
24 T	1,1-Dichloroethane	1.388	1.365	1.7	97	0.00
25 T	Ethyl Acetate	4.036	3.939	2.4	97	0.00
26 T	Hexane	1.633	1.542	5.6	98	0.00
27 T	Carbon Disulfide	1.749	1.677	4.1	91	0.00
28 T	Methyl tert-Butyl Ether	1.070	1.011	5.5	98	0.00
29 T	Chloroform	2.309	2.288	0.9	97	0.00
30 T	Cyclohexane	1.320	1.300	1.5	94	0.00
31 T	cis-1,2-Dichloroethene	1.553	1.579	-1.7	98	0.00
32 T	1,1,1-Trichloroethane	2.599	2.426	6.7	97	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
34 T	2-Butanone	0.791	0.767	3.0	99	0.00
35 T	Carbon Tetrachloride	0.905	0.838	7.4	96	0.00
36 T	Benzene	1.079	1.080	-0.1	95	0.00
37 T	1,2-Dichloroethane	0.647	0.653	-0.9	98	0.00
38 T	Trichloroethene	0.471	0.431	8.5	97	0.00
39 T	1,2-Dichloropropane	0.402	0.398	1.0	95	0.00
40 T	1,4-Dioxane	0.221	0.190	14.0	92	0.00
41 T	Tetrahydrofuran	0.461	0.437	5.2	95	0.00
42 T	Bromodichloromethane	0.901	0.915	-1.6	95	0.00
43	Methyl Methacrylate	0.486	0.460	5.3	95	0.00
44 T	2,2,4-Trimethylpentane	1.863	1.868	-0.3	97	0.00
45 T	t-1,3-Dichloropropene	0.497	0.495	0.4	96	0.00
46 T	cis-1,3-Dichloropropene	0.608	0.617	-1.5	96	0.00
47 T	1,1,2-Trichloroethane	0.410	0.418	-2.0	98	0.00
48 T	Dibromochloromethane	0.723	0.731	-1.1	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042356.D
 Acq On : 17 Apr 2025 13:43
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041725

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

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.633	0.634	-0.2	91	0.00
50 T	4-Methyl-2-Pentanone	1.314	1.159	11.8	95	0.00
51 T	2-Hexanone	1.179	0.957	18.8	95	0.00
52 T	Tetrachloroethene	0.417	0.368	11.8	91	0.00
53 T	Toluene	1.294	1.293	0.1	96	0.00
54 T	1,2-Dibromoethane	0.586	0.574	2.0	94	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56	1,1,1,2-Tetrachloroethane	0.605	0.598	1.2	98	0.00
57 T	Chlorobenzene	1.040	0.997	4.1	94	0.00
58 T	Ethyl Benzene	1.981	1.911	3.5	94	0.00
59 T	m/p-Xylene	1.596	1.527	4.3	95	-0.02
60 T	o-Xylene	1.607	1.521	5.4	95	0.00
61 T	Styrene	0.767	0.753	1.8	94	0.00
62	Isopropylbenzene	2.360	2.246	4.8	93	0.00
63 T	1,1,2,2-Tetrachloroethane	1.042	0.914	12.3	95	0.00
64	n-propylbenzene	0.593	0.565	4.7	94	0.00
65	tert-Butylbenzene	2.169	1.996	8.0	95	0.00
66 T	Benzyl Chloride	0.238	0.206	13.4	76	0.00
67	sec-Butylbenzene	3.017	2.796	7.3	95	0.00
68 S	1-Bromo-4-Fluorobenzene	0.822	0.819	0.4	89	0.00
69	p-Isopropyltoluene	2.621	2.416	7.8	95	0.00
70	n-Butylbenzene	2.730	2.526	7.5	96	0.00
71	2-Chlorotoluene	1.851	1.781	3.8	95	0.00
72 T	4-Ethyltoluene	1.965	1.844	6.2	94	0.00
73 T	1,3,5-Trimethylbenzene	1.735	1.593	8.2	95	0.00
74 T	1,2,4-Trimethylbenzene	2.026	1.741	14.1	94	0.00
75 T	1,3-Dichlorobenzene	1.053	0.973	7.6	93	0.00
76 T	1,4-Dichlorobenzene	1.059	0.975	7.9	93	0.00
77 T	1,2-Dichlorobenzene	1.024	0.947	7.5	95	0.00
78 T	Hexachloro-1,3-Butadiene	1.034	0.907	12.3	95	0.00
79 T	Naphthalene	2.423	2.120	12.5	96	0.00
80 T	Naphthalene,2-methyl-	1.381	1.147	16.9	93	0.00
81 T	1,2,4-Trichlorobenzene	1.040	0.951	8.6	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1843 SAS No.: Q1843 SDG No.: Q1843

Instrument ID: MSVOA_L Calibration Date/Time: 04/21/2025 08:41

Lab File ID: VL042395.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.761	0.665		-12.61	30
1,1-Dichloroethane	1.388	1.305		-5.98	30
cis-1,2-Dichloroethene	1.553	1.406		-9.47	30
1,1,1-Trichloroethane	2.599	2.413		-7.16	30
Trichloroethene	0.471	0.368		-21.87	30
Tetrachloroethene	0.417	0.312		-25.18	30
1-Bromo-4-Fluorobenzene	0.822	0.882		7.3	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\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 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 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	118349	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	334726	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	297161	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 262155 10.736 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	214405	10.253	ppbv	95
3) Chlorodifluoromethane	1.473	51	172276	8.652	ppbv	96
4) Chloromethane	1.531	50	78242	9.455	ppbv	99
5) Vinyl Chloride	1.576	62	78692	8.736	ppbv	98
6) Bromomethane	1.664	94	36698	9.484	ppbv	92
7) Chloroethane	1.703	64	31945	9.806	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	182317	10.155	ppbv	94
9) Propene	1.483	41	67297	7.422	ppbv	98
10) Heptane	4.972	43	178981	7.026	ppbv	98
11) Trichlorofluoromethane	1.874	101	205368	10.328	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	154701	9.515	ppbv	99
13) Ethanol	1.719	45	4511	3.130	ppbv	88
14) Bromoethene	1.780	108	59325	9.680	ppbv	98
15) Acetone	1.832	43	168061	8.675	ppbv	99
16) 1,3-Butadiene	1.606	39	81189	8.762	ppbv	96
17) tert-Butyl alcohol	2.036	59	221320	9.218	ppbv	100
18) 1,1-Dichloroethene	2.030	96	70214	9.244	ppbv	97
19) Isopropyl Alcohol	1.884	45	98218	9.126	ppbv	94
20) Methylene Chloride	2.059	84	60052	7.915	ppbv	92
21) Allyl Chloride	2.091	41	121139	9.056	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	79496	9.192	ppbv	92
23) Vinyl Acetate	2.457	43	57298	7.306	ppbv	97
24) 1,1-Dichloroethane	2.405	63	154500	9.405	ppbv	100
25) Ethyl Acetate	2.832	43	392210	8.211	ppbv	99
26) Hexane	2.823	57	150573	7.789	ppbv	98
27) Carbon Disulfide	2.146	76	199908	9.658	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	106569	8.414	ppbv	95
29) Chloroform	2.845	83	259635	9.502	ppbv	98
30) Cyclohexane	3.852	84	126496	8.095	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	166357	9.051	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	285590	9.284	ppbv	99
34) 2-Butanone	2.554	43	220144	8.316	ppbv	99
35) Carbon Tetrachloride	3.755	117	291229	9.614	ppbv	91
36) Benzene	3.651	78	303987	8.420	ppbv	97
37) 1,2-Dichloroethane	3.214	62	221151	10.206	ppbv	97
38) Trichloroethene	4.541	130	123150	7.804	ppbv	94
39) 1,2-Dichloropropane	4.305	63	107877	8.018	ppbv #	88
40) 1,4-Dioxane	4.574	88	53874	7.286	ppbv #	94
41) Tetrahydrofuran	3.049	42	118863	7.701	ppbv	99
42) Bromodichloromethane	4.483	83	295552	9.800	ppbv	98
43) Methyl Methacrylate	4.875	69	124747	7.667	ppbv	95
44) 2,2,4-Trimethylpentane	4.629	57	507437	8.138	ppbv	95
45) t-1,3-Dichloropropene	6.406	75	142879	8.596	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 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 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

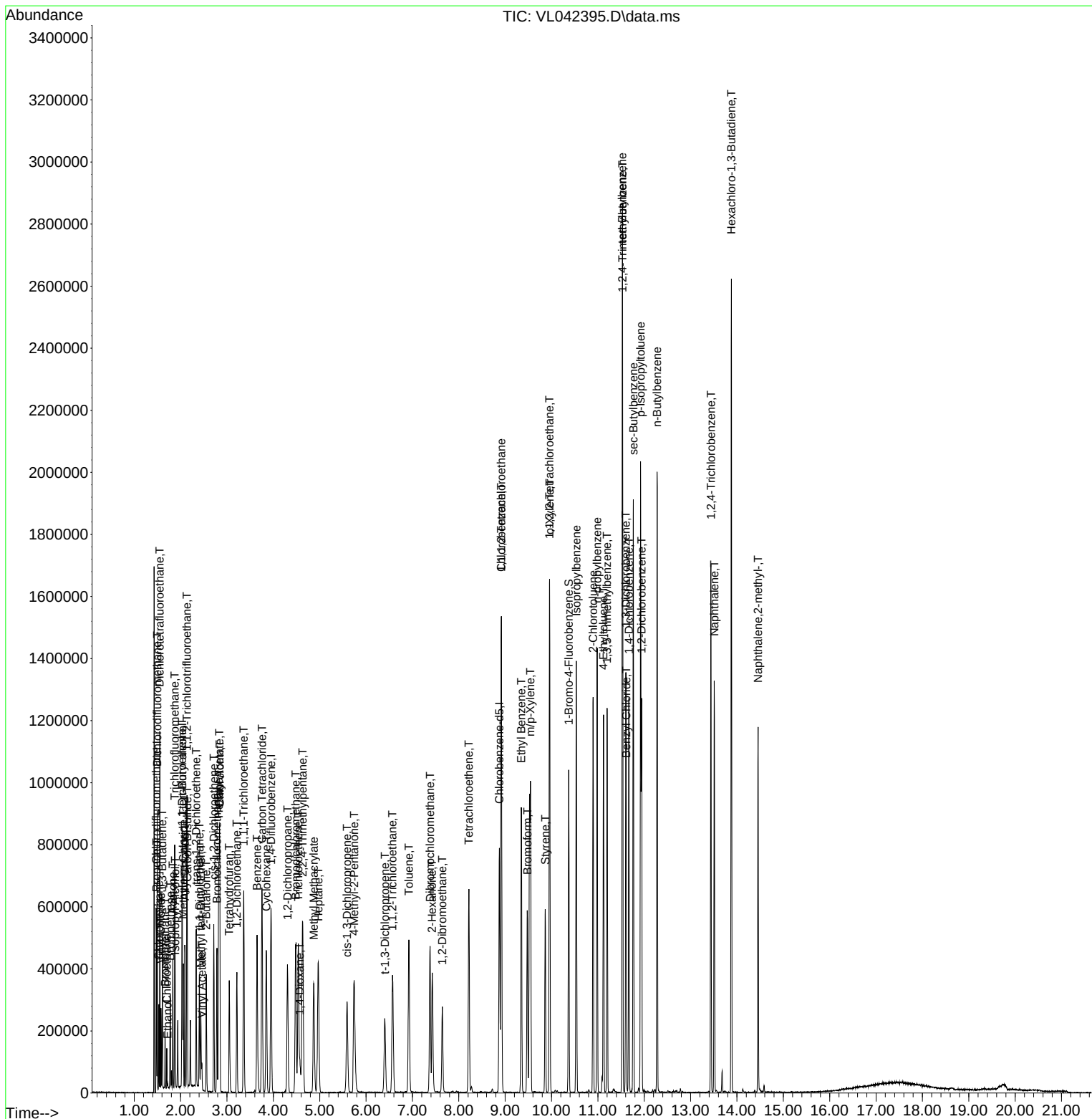
Response via : Initial Calibration

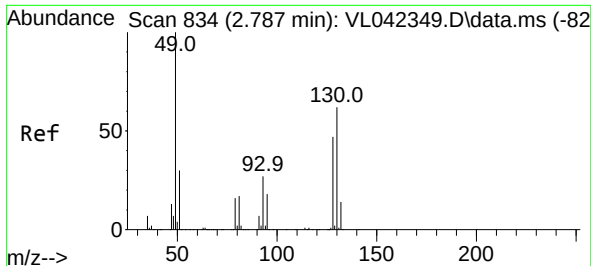
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	174844	8.595	ppbv	88
47) 1,1,2-Trichloroethane	6.571	97	119399	8.711	ppbv	92
48) Dibromochloromethane	7.380	129	229466	9.476	ppbv	99
49) Bromoform	9.480	173	187094	8.836	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	321752	7.314	ppbv	99
51) 2-Hexanone	7.425	43	260009	6.590	ppbv #	95
52) Tetrachloroethene	8.218	164	104294	7.474	ppbv	90
53) Toluene	6.923	91	355540	8.206	ppbv	99
54) 1,2-Dibromoethane	7.642	107	169774	8.654	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.917	131	170285	9.468	ppbv	96
57) Chlorobenzene	8.917	112	276428	8.944	ppbv	98
58) Ethyl Benzene	9.348	91	517937	8.797	ppbv	100
59) m/p-Xylene	9.545	91	847455m	17.868	ppbv	
60) o-Xylene	9.959	91	433569	9.078	ppbv	96
61) Styrene	9.866	104	192729	8.454	ppbv	96
62) Isopropylbenzene	10.535	105	625514	8.920	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.956	83	250238	8.085	ppbv	100
64) n-propylbenzene	10.985	120	154114	8.744	ppbv	97
65) tert-Butylbenzene	11.526	119	570548	8.853	ppbv	96
66) Benzyl Chloride	11.610	91	57090	8.061	ppbv	99
67) sec-Butylbenzene	11.765	105	797738	8.899	ppbv	99
69) p-Isopropyltoluene	11.921	119	684482	8.789	ppbv	97
70) n-Butylbenzene	12.277	91	720062	8.877	ppbv	97
71) 2-Chlorotoluene	10.898	91	493192	8.967	ppbv	97
72) 4-Ethyltoluene	11.121	105	521390	8.929	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	451158	8.752	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	502117	8.340	ppbv #	87
75) 1,3-Dichlorobenzene	11.604	146	264024	8.436	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	265655	8.445	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	260133	8.548	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	245910	8.002	ppbv	99
79) Naphthalene	13.510	128	570593	7.925	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	304139	7.412	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	250801	8.112	ppbv	99

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

Manual Integrations APPROVED

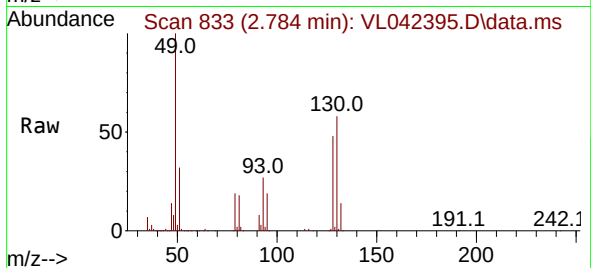
Quant Time: Apr 22 02:50:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

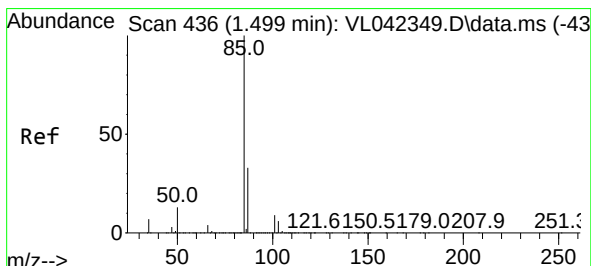
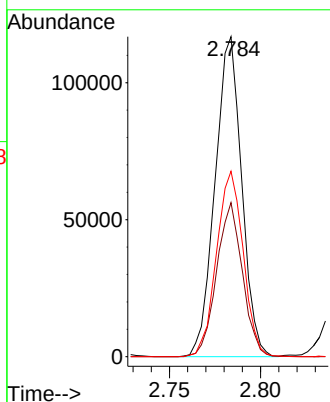
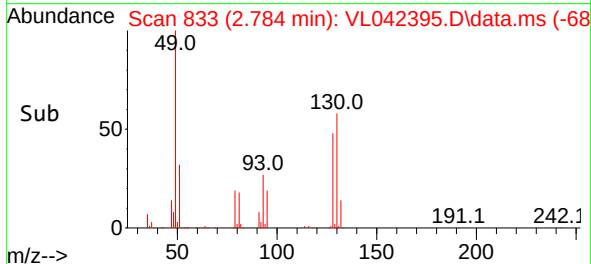
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



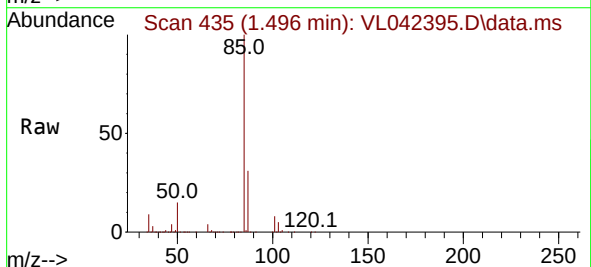
Tgt Ion: 49 Resp: 118349
Ion Ratio Lower Upper
49 100
128 46.7 22.8 68.4
130 58.2 29.3 88.0

Manual Integrations
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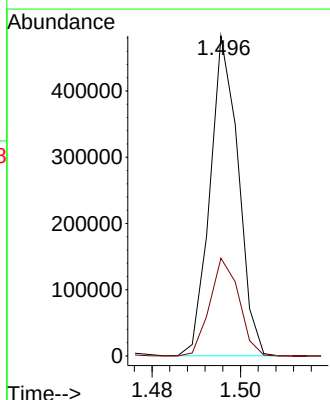
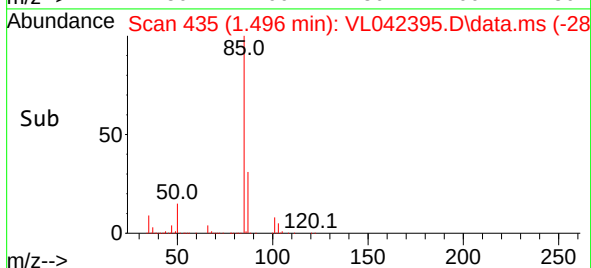
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

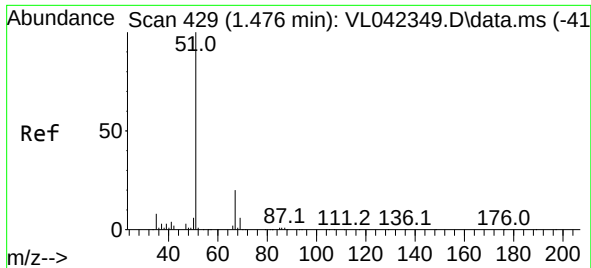


#2
Dichlorodifluoromethane
Concen: 10.253 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 85 Resp: 214405
Ion Ratio Lower Upper
85 100
87 30.6 26.6 39.8





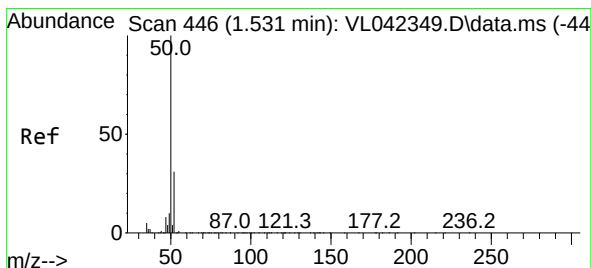
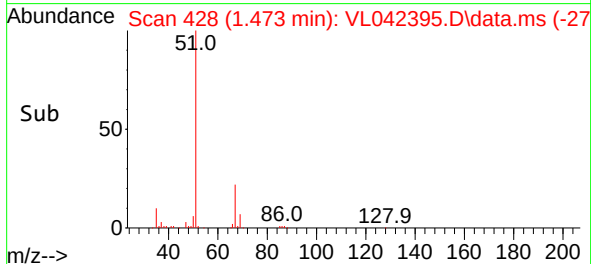
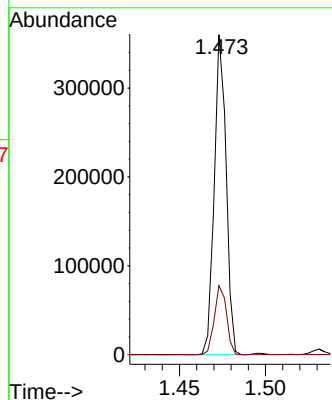
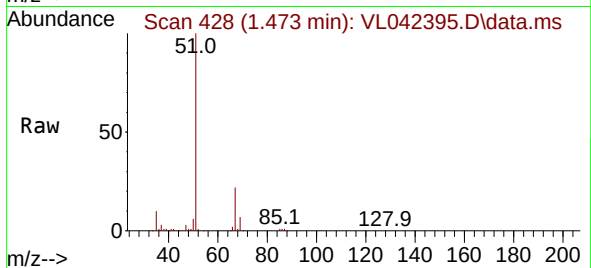
#3
Chlorodifluoromethane
Concen: 8.652 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 172270
Ion Ratio Lower Upper
51 100
67 22.2 16.2 24.4

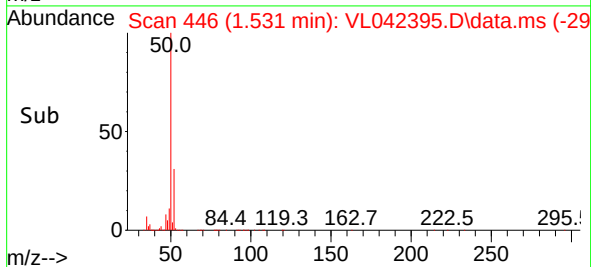
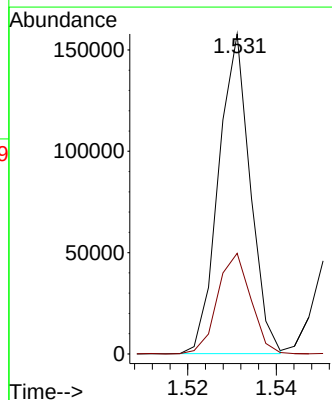
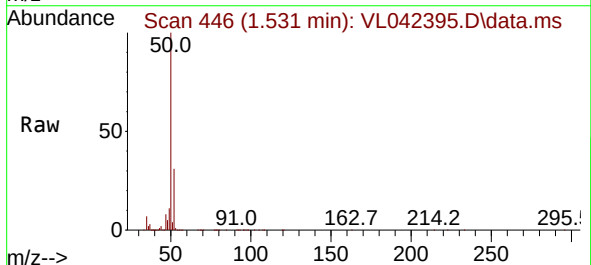
Manual Integrations
APPROVED

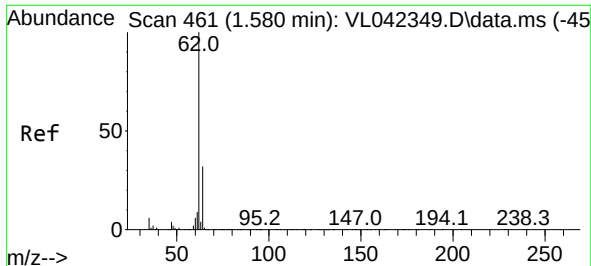
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#4
Chloromethane
Concen: 9.455 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 50 Resp: 78242
Ion Ratio Lower Upper
50 100
52 31.4 24.7 37.1





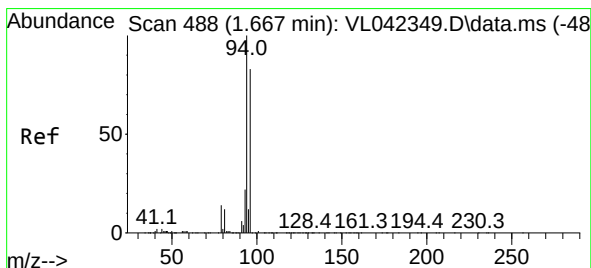
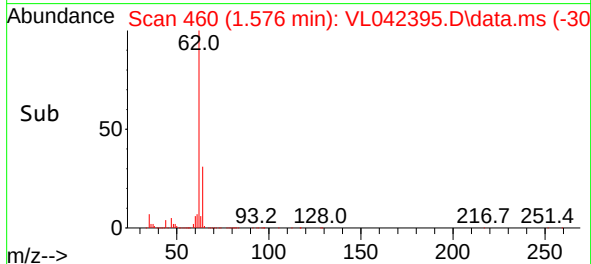
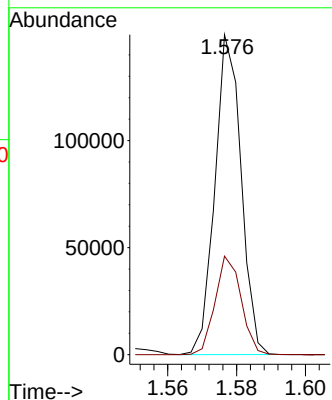
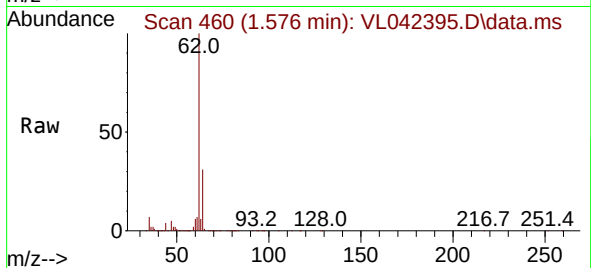
#5
 Vinyl Chloride
 Concen: 8.736 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 78692
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.4 38.0

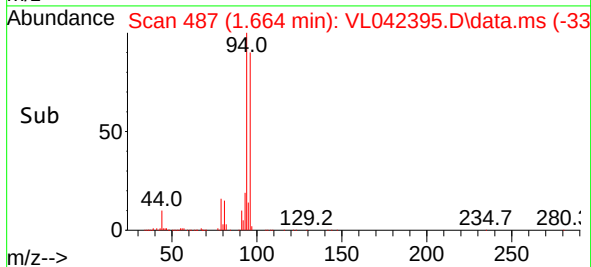
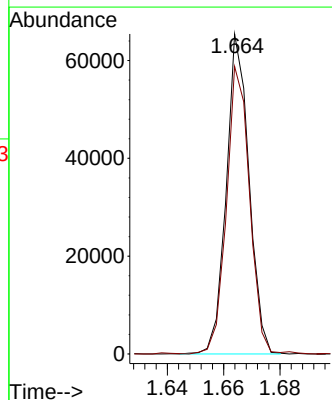
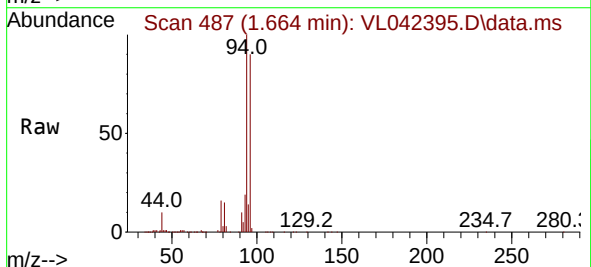
Manual Integrations
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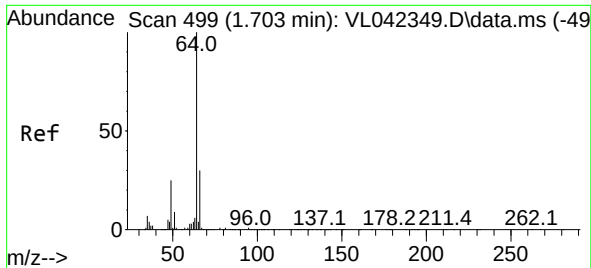
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#6
 Bromomethane
 Concen: 9.484 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

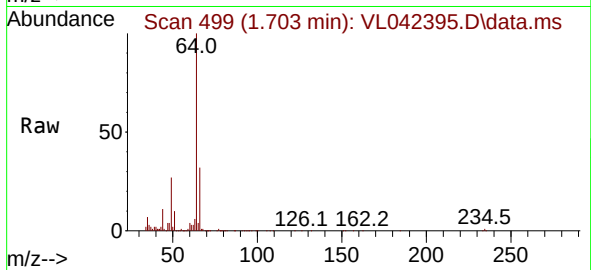
Tgt Ion: 94 Resp: 36698
 Ion Ratio Lower Upper
 94 100
 96 89.8 66.2 99.2





#7
Chloroethane
Concen: 9.806 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

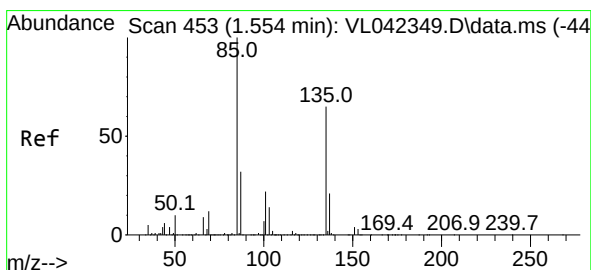
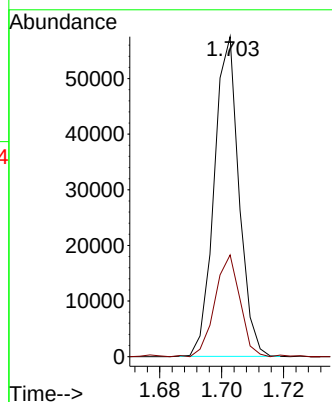
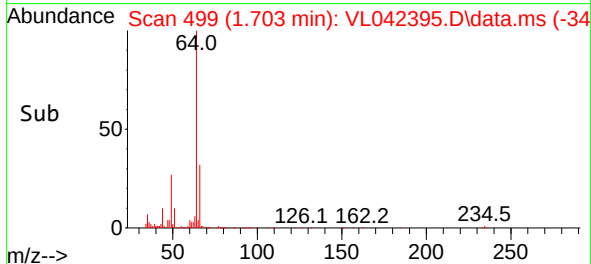
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 31945
Ion Ratio Lower Upper
64 100
66 31.8 24.6 37.0

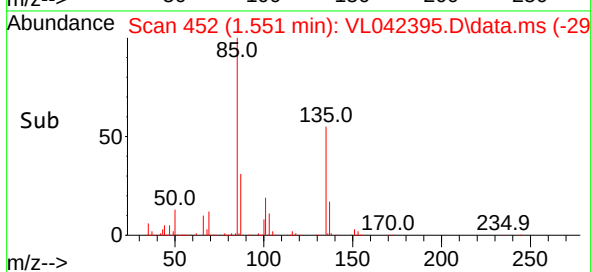
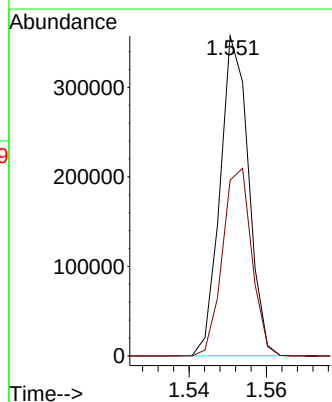
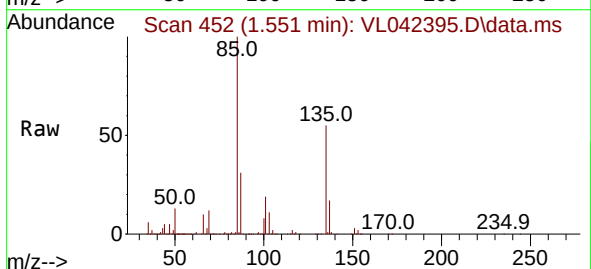
Manual Integrations
APPROVED

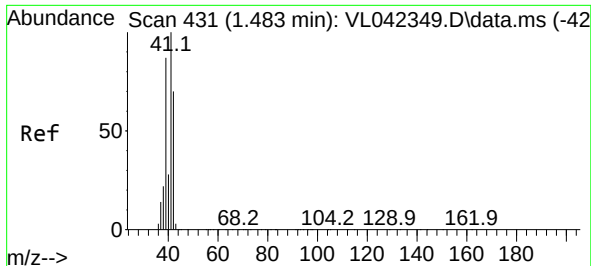
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#8
Dichlorotetrafluoroethane
Concen: 10.155 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

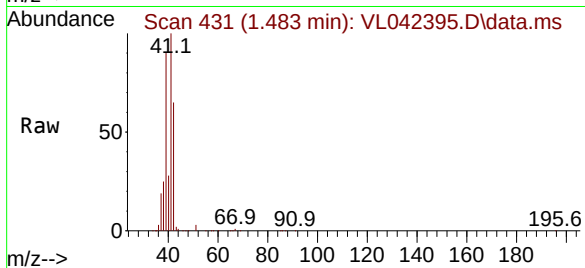
Tgt Ion: 85 Resp: 182317
Ion Ratio Lower Upper
85 100
135 60.7 52.2 78.2





#9
 Propene
 Concen: 7.422 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

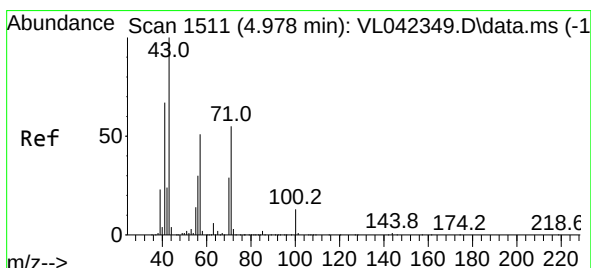
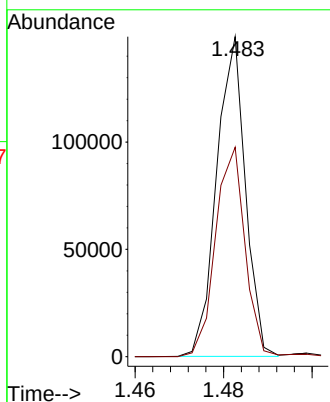
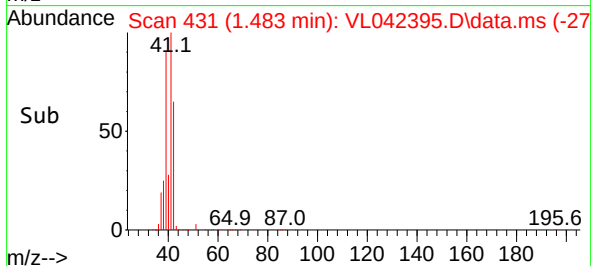
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



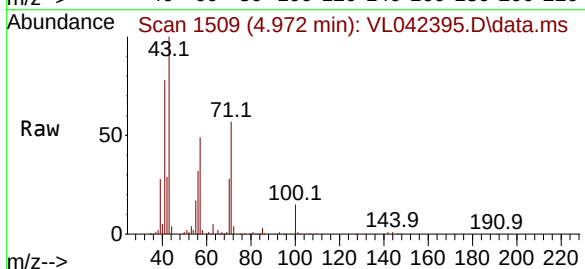
Tgt Ion: 41 Resp: 6729
 Ion Ratio Lower Upper
 41 100
 42 68.8 56.2 84.4

Manual Integrations
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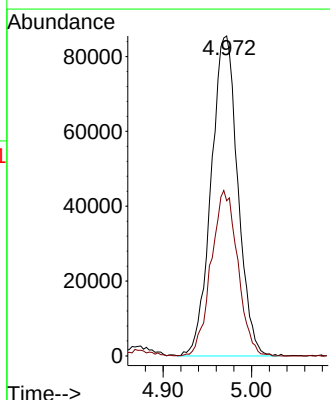
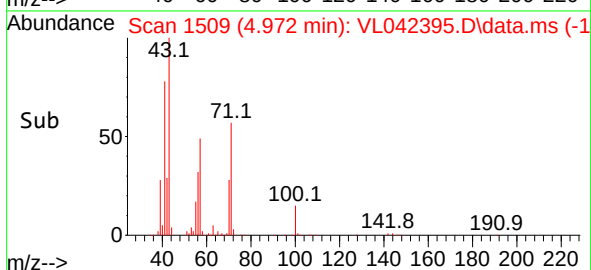
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

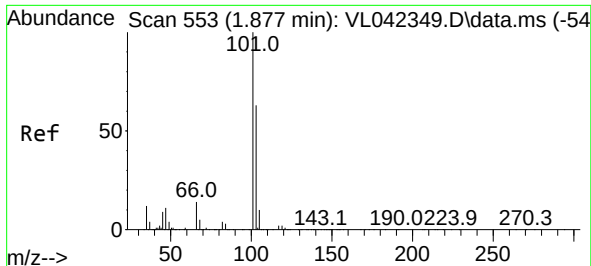


#10
 Heptane
 Concen: 7.026 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.006 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



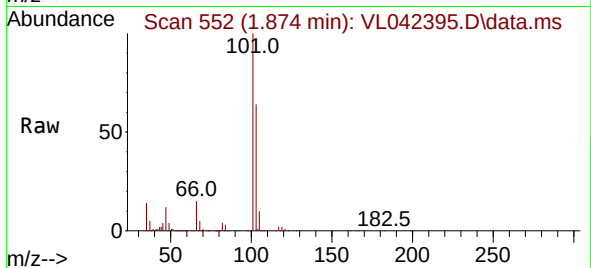
Tgt Ion: 43 Resp: 178981
 Ion Ratio Lower Upper
 43 100
 57 51.6 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 10.328 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

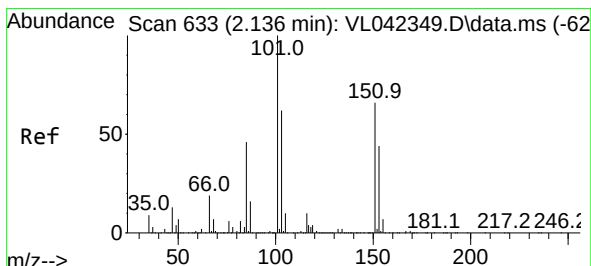
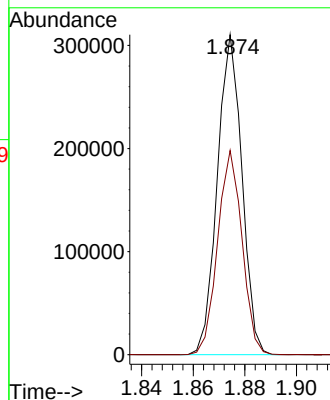
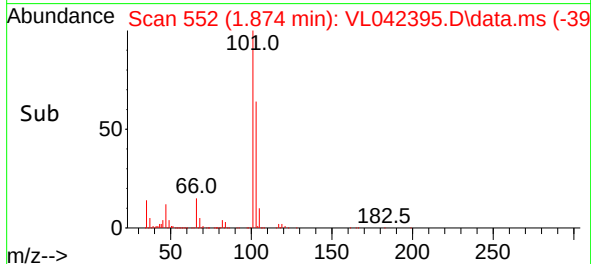
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



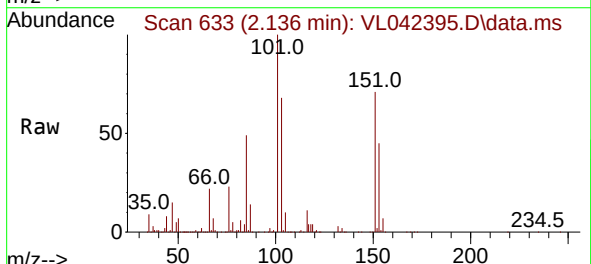
Tgt Ion:101 Resp: 205368
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.1 75.1

Manual Integrations
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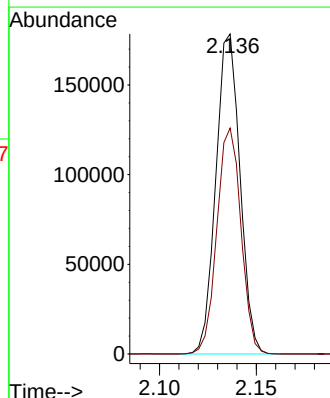
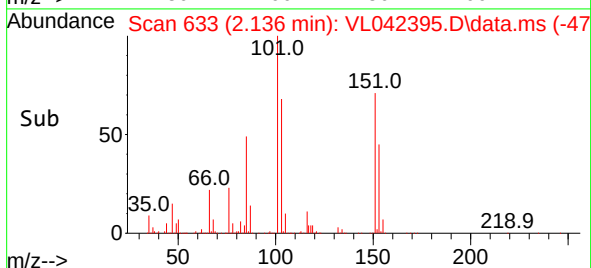
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

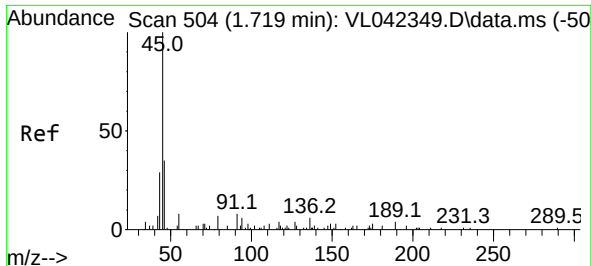


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.515 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



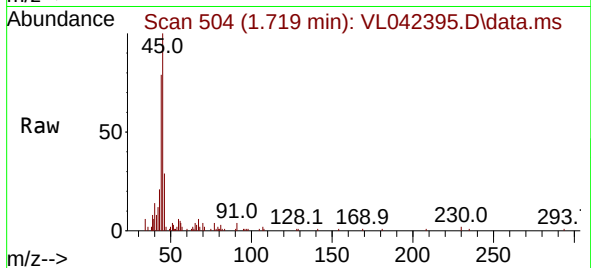
Tgt Ion:101 Resp: 154701
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.0 85.6





#13
Ethanol
Concen: 3.130 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

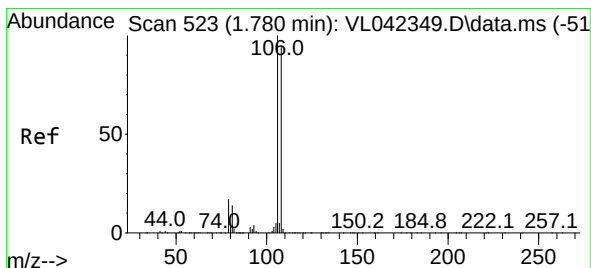
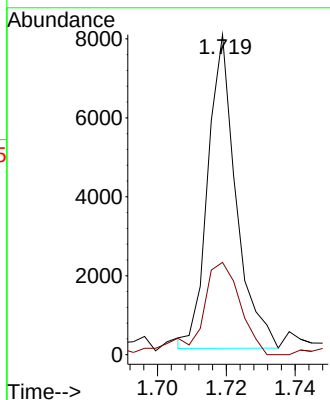
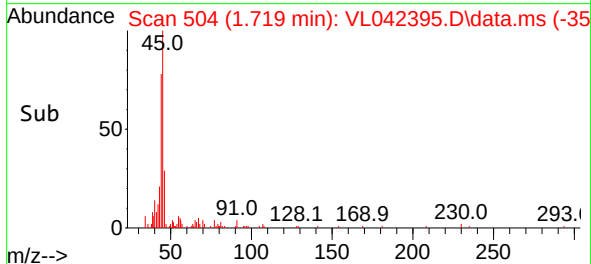
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



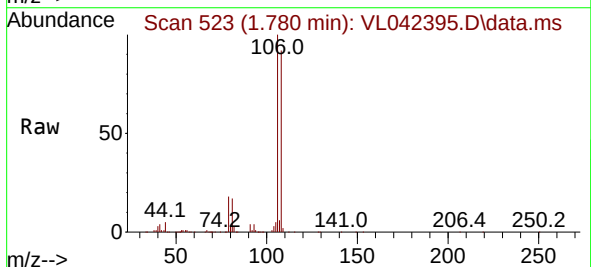
Tgt Ion: 45 Resp: 451
Ion Ratio Lower Upper
45 100
46 45.8 21.9 87.7

Manual Integrations
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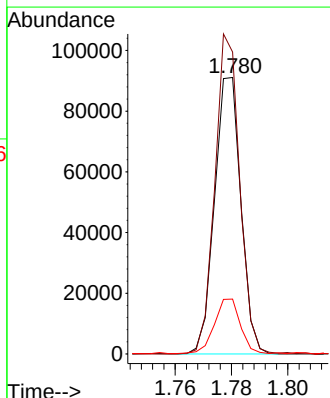
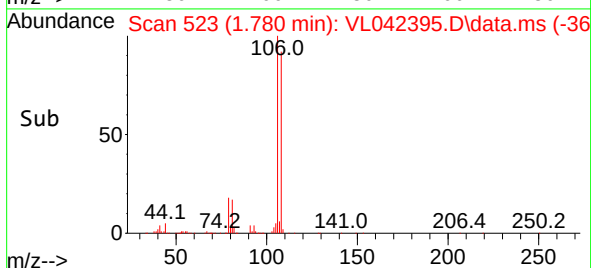
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

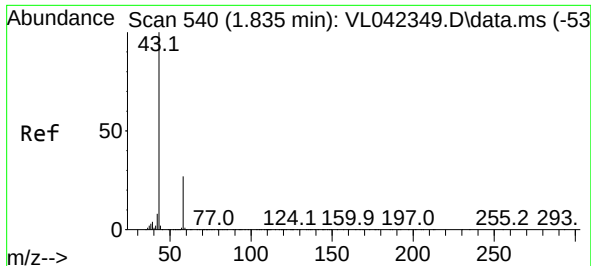


#14
Bromoethene
Concen: 9.680 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



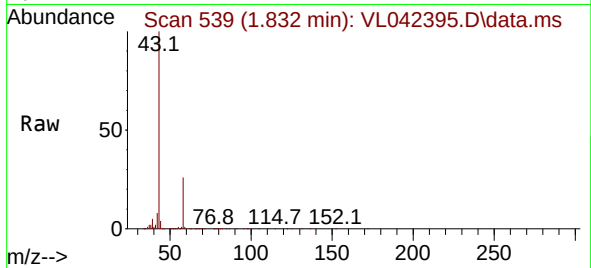
Tgt Ion:108 Resp: 59325
Ion Ratio Lower Upper
108 100
106 108.9 85.9 128.9
79 19.7 13.9 20.9





#15
Acetone
Concen: 8.675 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

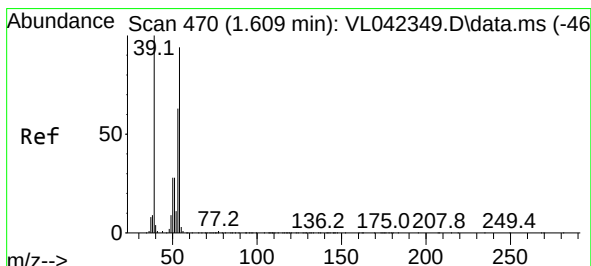
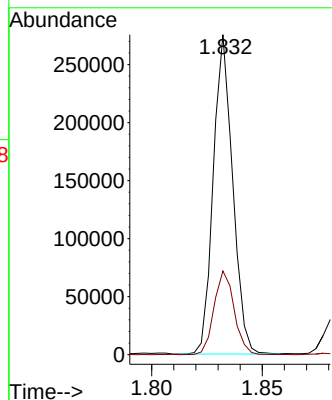
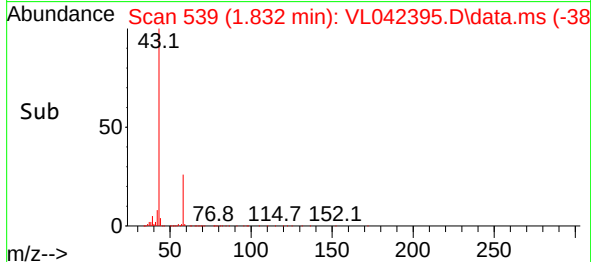
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
58 27.4 22.4 33.6

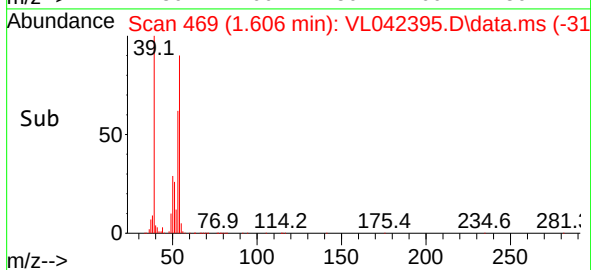
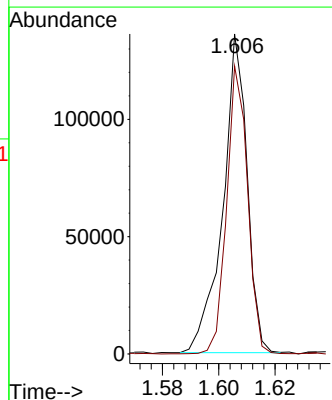
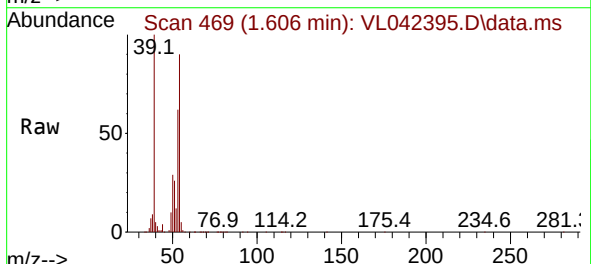
Manual Integrations
APPROVED

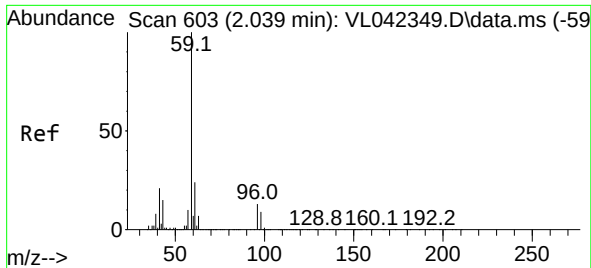
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#16
1,3-Butadiene
Concen: 8.762 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 39 Resp: 81189
Ion Ratio Lower Upper
39 100
54 77.6 64.9 97.3





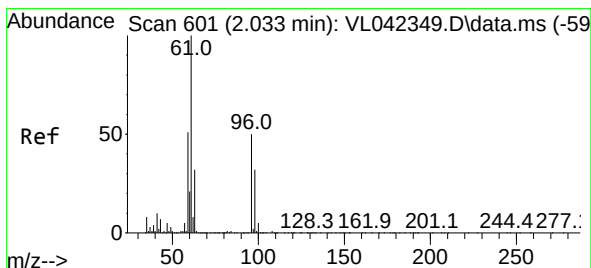
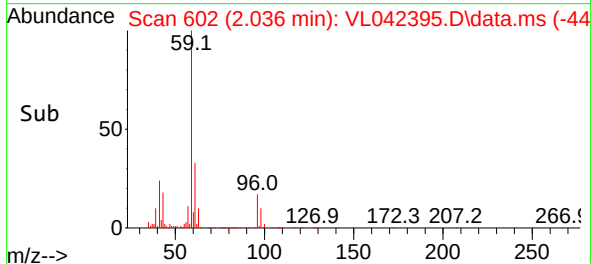
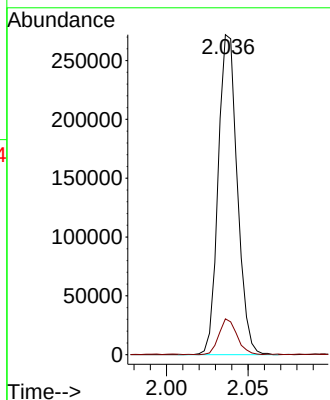
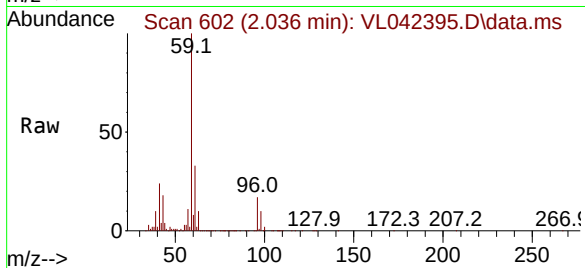
#17
tert-Butyl alcohol
Concen: 9.218 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 221320
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

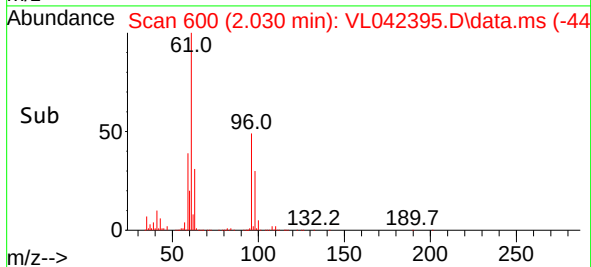
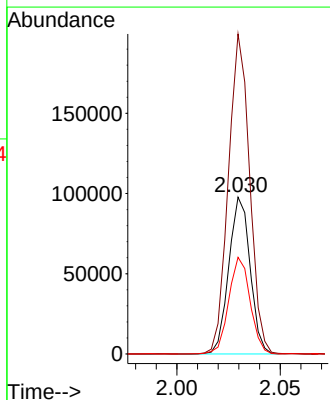
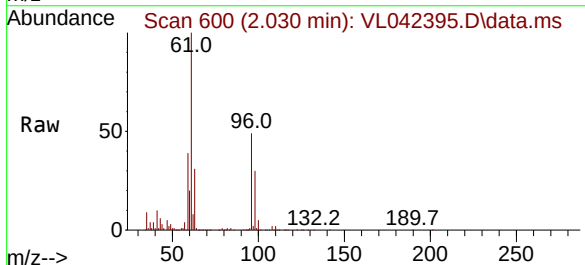
Manual Integrations
APPROVED

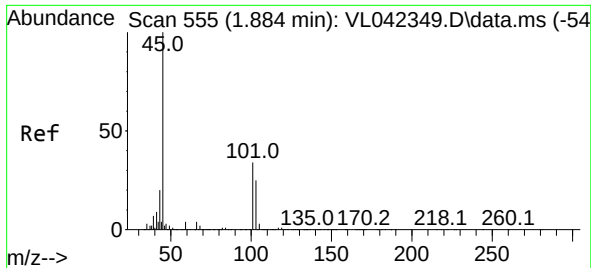
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#18
1,1-Dichloroethene
Concen: 9.244 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

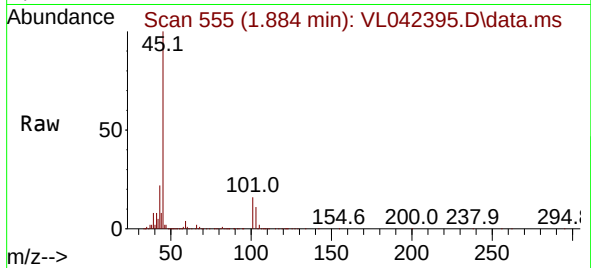
Tgt Ion: 96 Resp: 70214
Ion Ratio Lower Upper
96 100
61 204.0 160.2 240.2
98 61.7 51.0 76.4





#19
Isopropyl Alcohol
Concen: 9.126 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

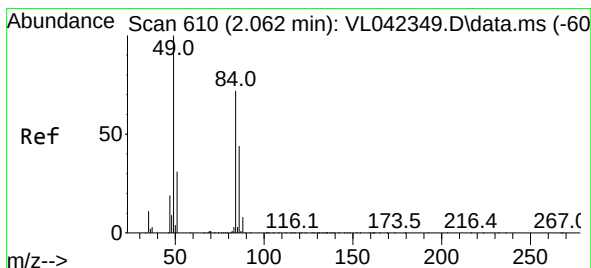
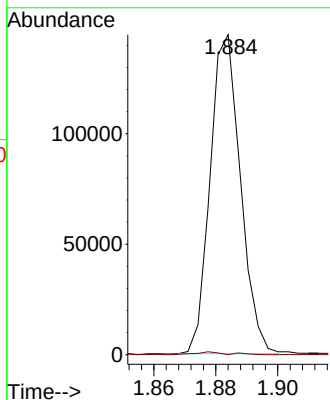
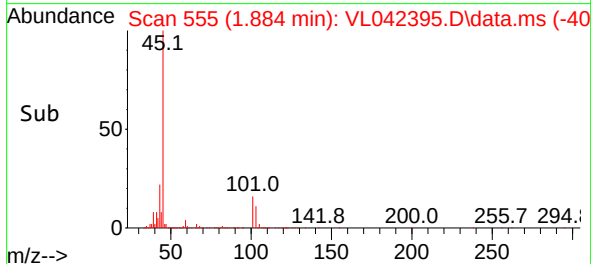
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



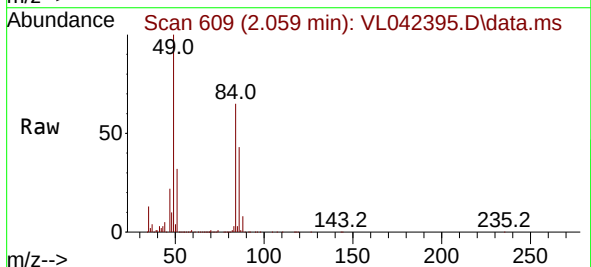
Tgt Ion: 45 Resp: 98218
Ion Ratio Lower Upper
45 100
58 46.8 34.5 51.7

Manual Integrations
APPROVED

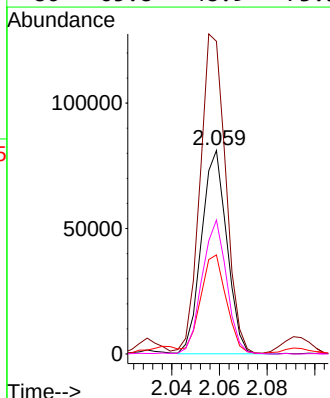
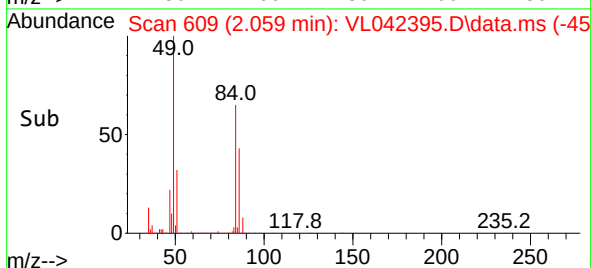
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

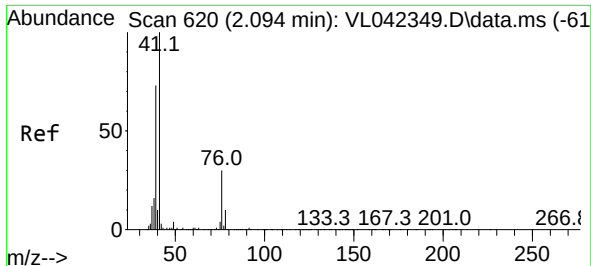


#20
Methylene Chloride
Concen: 7.915 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 84 Resp: 60052
Ion Ratio Lower Upper
84 100
49 151.5 111.6 167.4
51 47.7 35.1 52.7
86 65.8 48.9 73.3





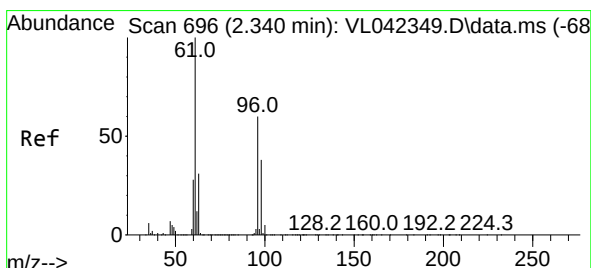
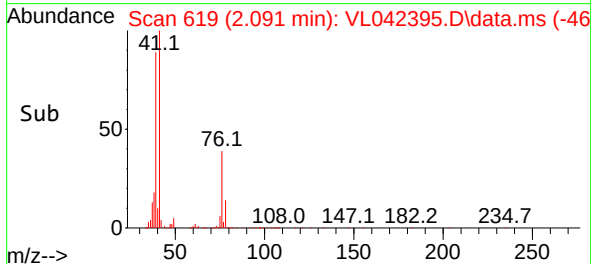
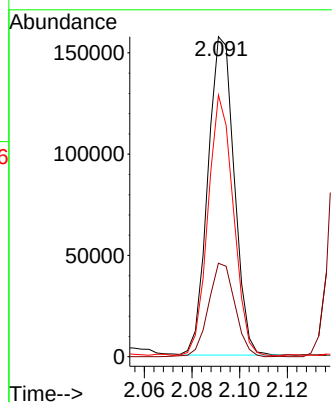
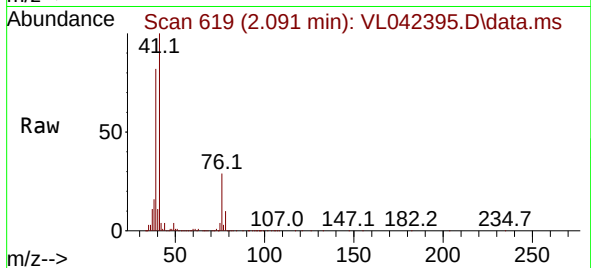
#21
 Allyl Chloride
 Concen: 9.056 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 121139
 Ion Ratio Lower Upper
 41 100
 76 29.5 24.8 37.2
 39 78.5 60.6 90.8

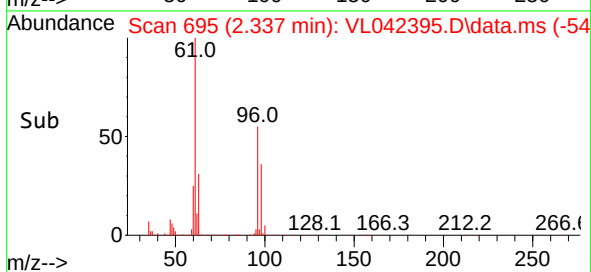
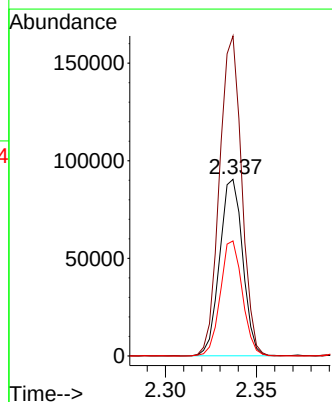
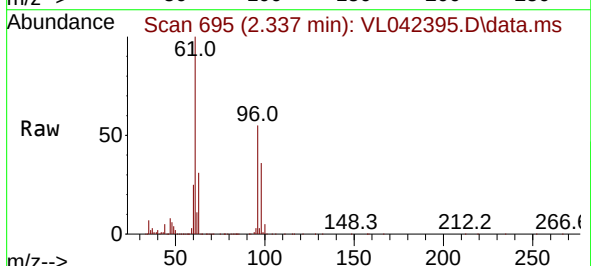
Manual Integrations
 APPROVED

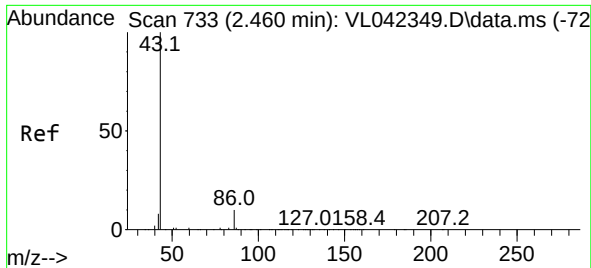
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.192 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Tgt Ion: 96 Resp: 79496
 Ion Ratio Lower Upper
 96 100
 61 181.2 133.7 200.5
 98 65.2 50.3 75.5





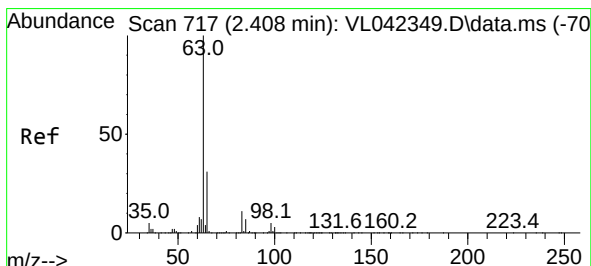
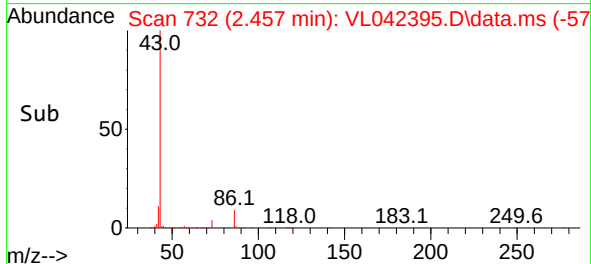
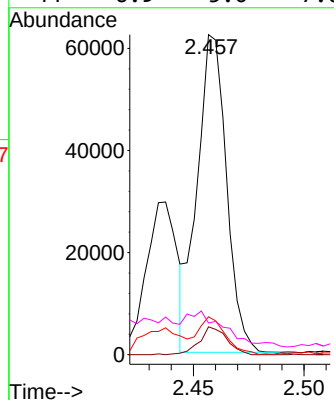
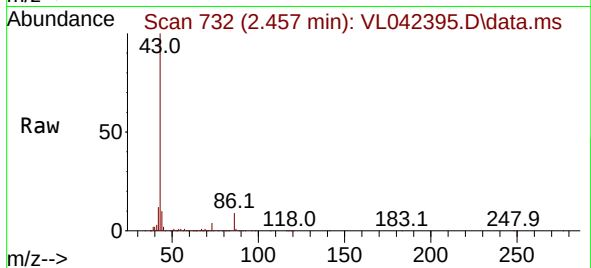
#23
 Vinyl Acetate
 Concen: 7.306 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:	43	Resp:	57298
Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.5	9.7
42	11.5	7.8	11.8
44	6.9	5.0	7.6

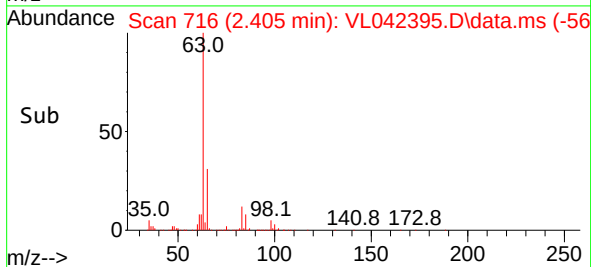
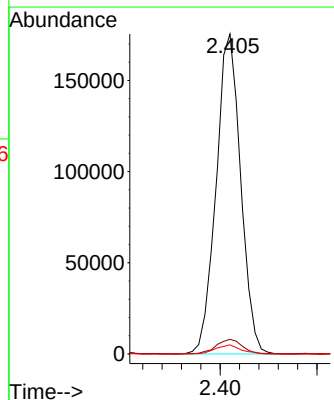
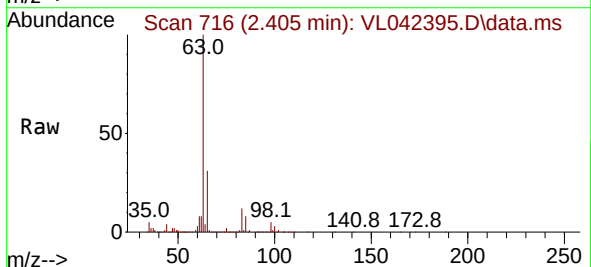
Manual Integrations
 APPROVED

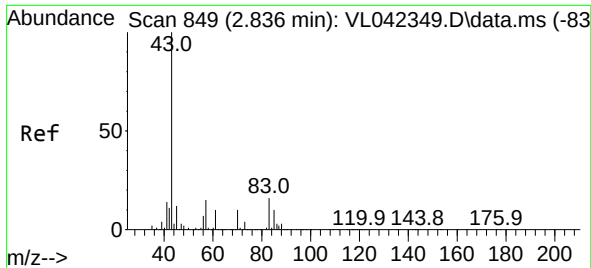
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#24
 1,1-Dichloroethane
 Concen: 9.405 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Tgt Ion:	63	Resp:	154500
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.9	1.6	4.8





#25
Ethyl Acetate
Concen: 8.211 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

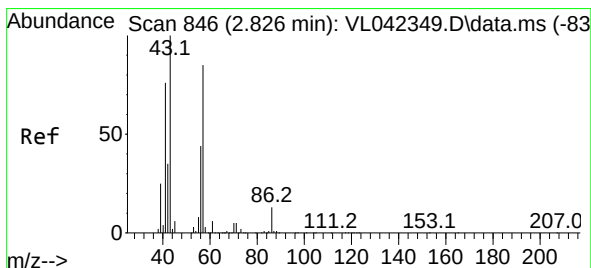
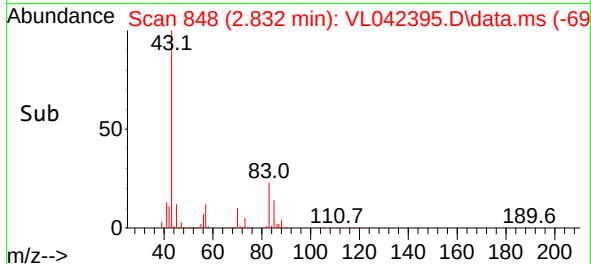
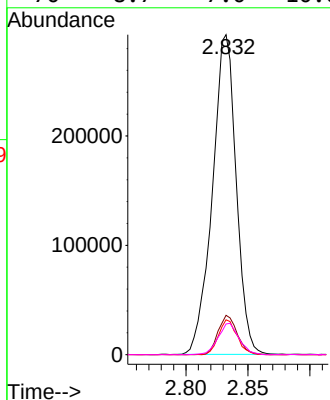
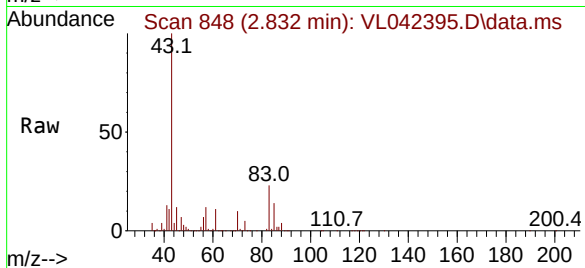
VSTDCCC010

Tgt Ion: 43 Resp: 392210
Ion Ratio Lower Upper
43 100
45 10.0 8.3 12.5
61 8.5 7.3 10.9
70 8.7 7.0 10.6

Manual Integrations

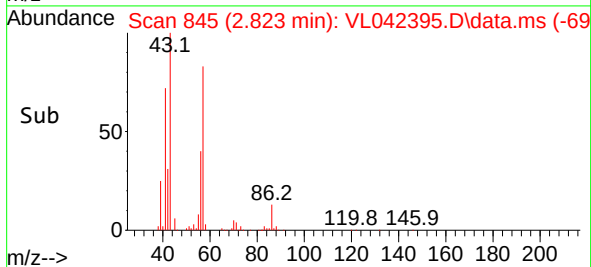
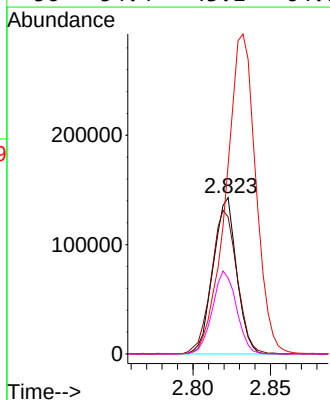
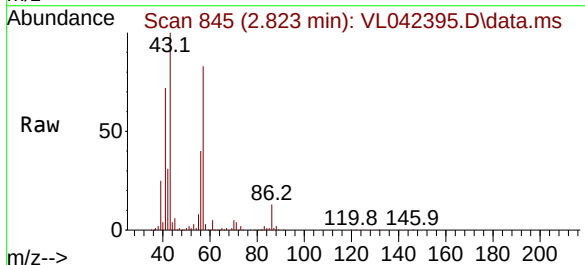
APPROVED

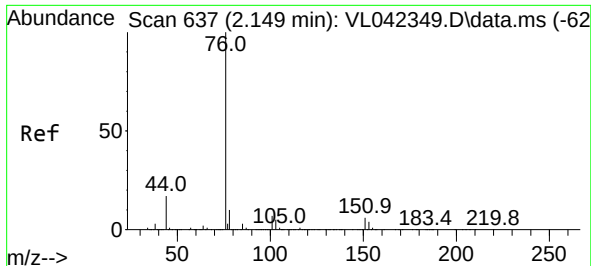
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#26
Hexane
Concen: 7.789 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

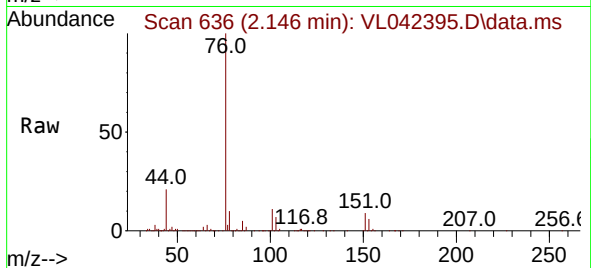
Tgt Ion: 57 Resp: 150573
Ion Ratio Lower Upper
57 100
41 101.6 77.9 116.9
43 261.8 208.4 312.6
56 54.4 43.1 64.7





#27
Carbon Disulfide
Concen: 9.658 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

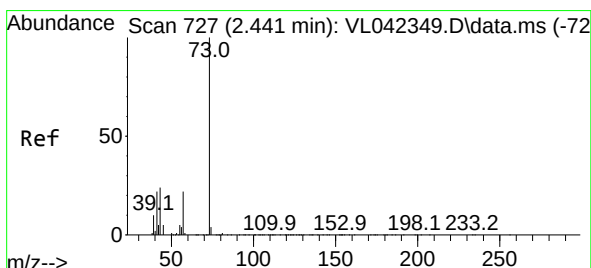
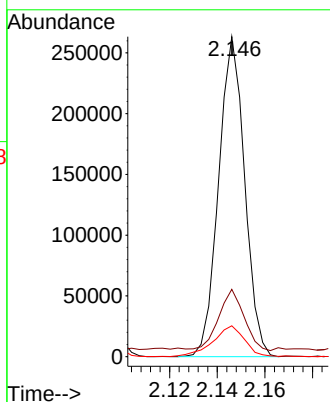
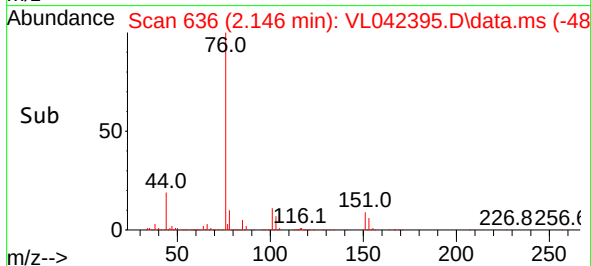
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 199908
Ion Ratio Lower Upper
76 100
44 20.3 15.5 23.3
78 11.9 9.3 13.9

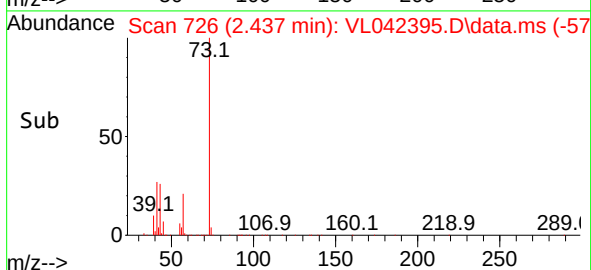
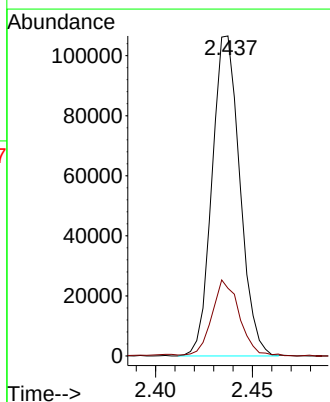
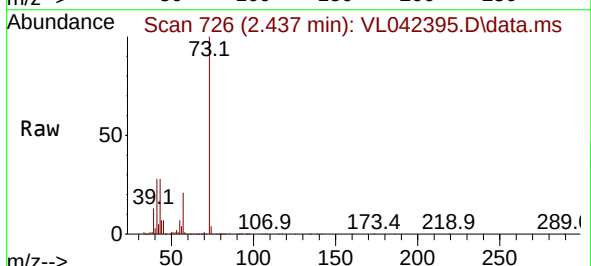
Manual Integrations
APPROVED

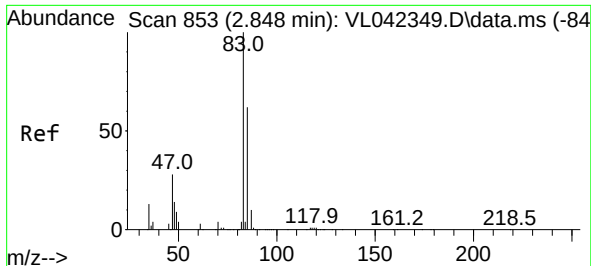
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#28
Methyl tert-Butyl Ether
Concen: 8.414 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 73 Resp: 106569
Ion Ratio Lower Upper
73 100
57 24.2 21.3 31.9





#29

Chloroform

Concen: 9.502 ppbv

RT: 2.845 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 25963

Ion Ratio Lower Upper

83 100

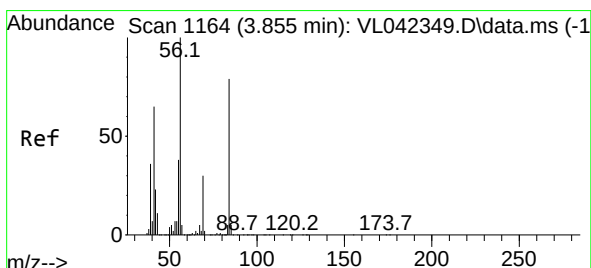
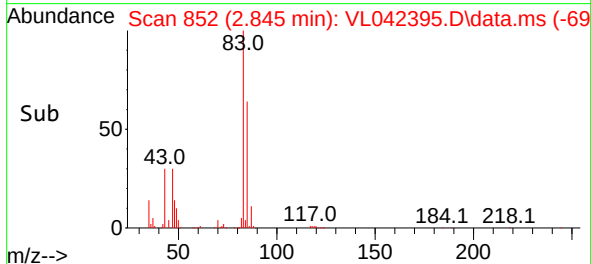
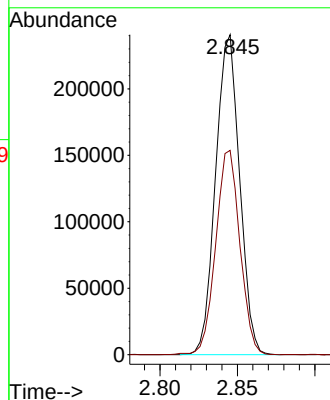
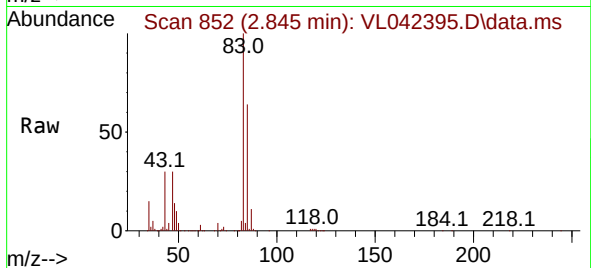
85 63.8 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#30

Cyclohexane

Concen: 8.095 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

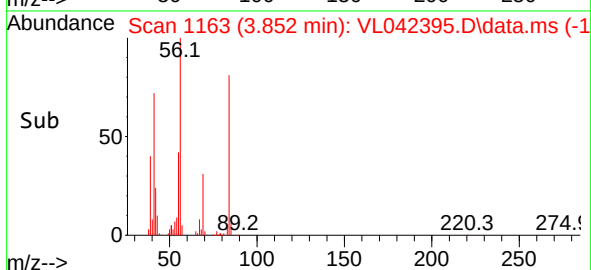
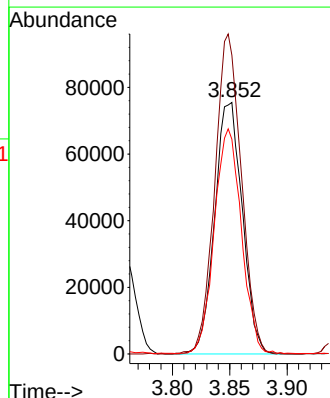
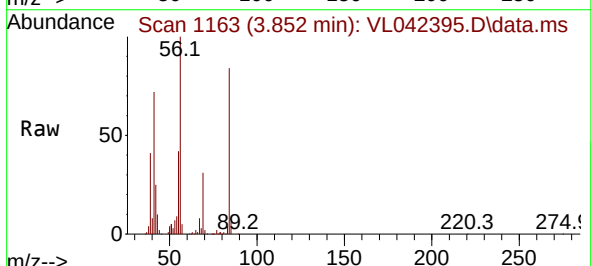
Tgt Ion: 84 Resp: 126496

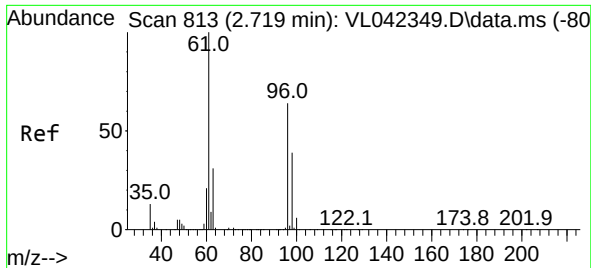
Ion Ratio Lower Upper

84 100

56 122.4 101.0 151.4

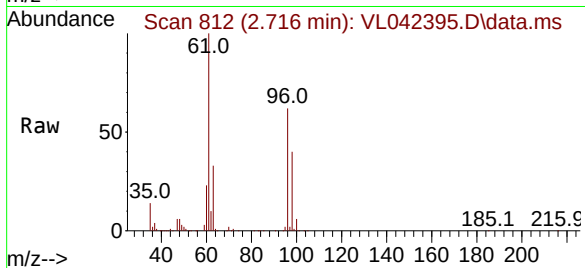
41 87.5 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.051 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

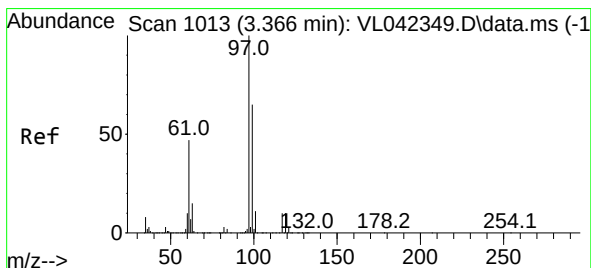
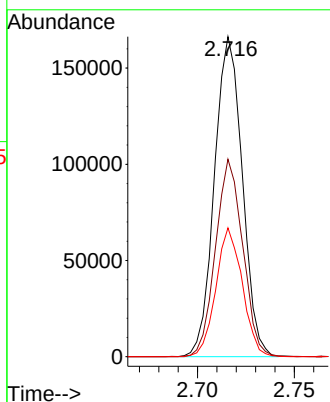
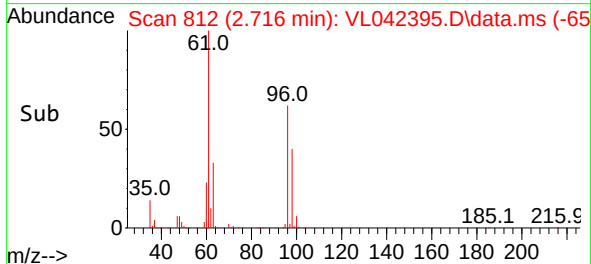
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



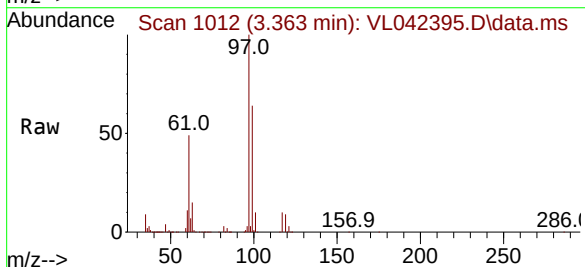
Tgt Ion: 61 Resp: 16635
 Ion Ratio Lower Upper
 61 100
 96 61.7 50.8 76.2
 98 40.2 30.9 46.3

Manual Integrations
 APPROVED

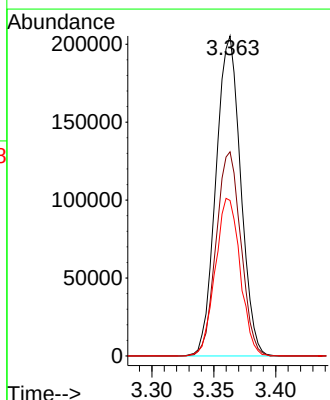
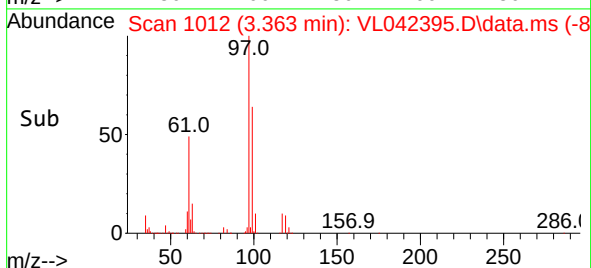
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

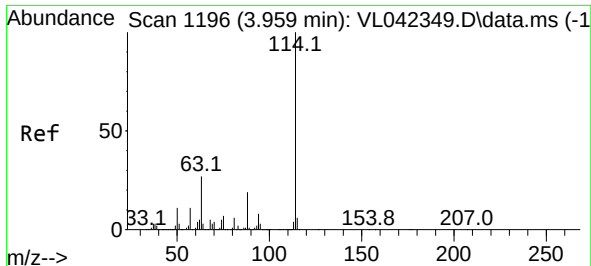


#32
 1,1,1-Trichloroethane
 Concen: 9.284 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



Tgt Ion: 97 Resp: 285590
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.4
 61 49.7 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 334720

Ion Ratio Lower Upper

114 100

63 27.8 21.8 32.6

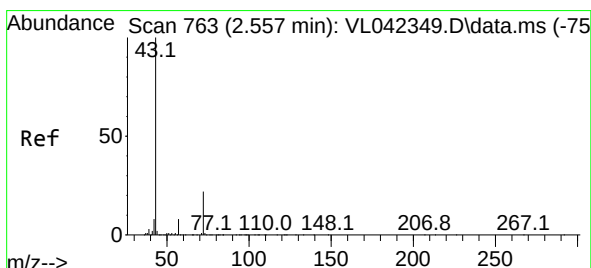
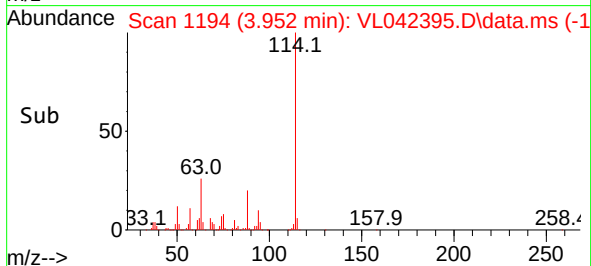
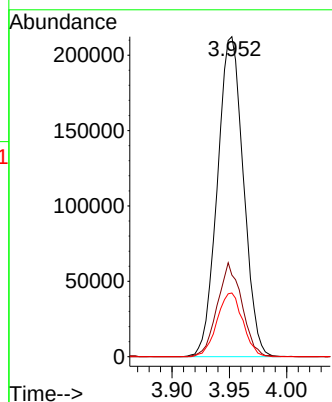
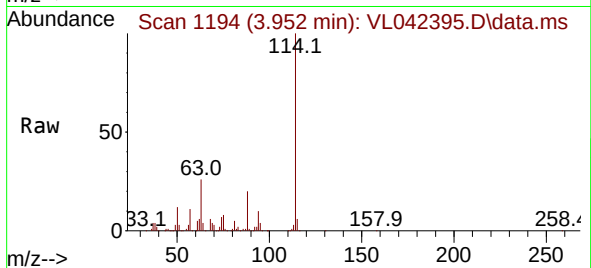
88 19.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#34

2-Butanone

Concen: 8.316 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.003 min

Lab File: VL042395.D

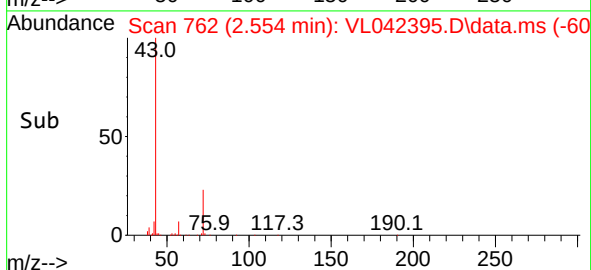
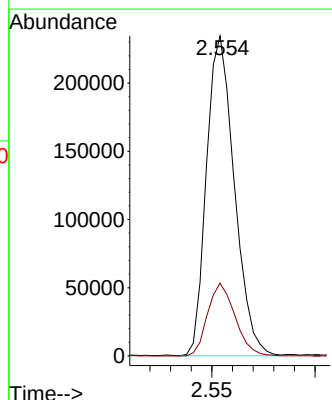
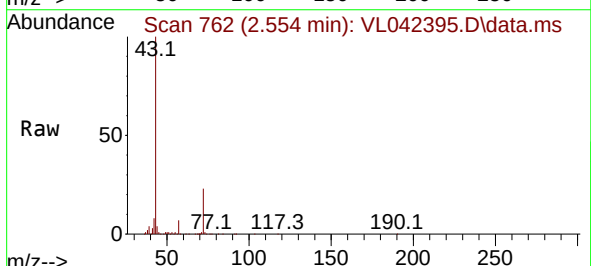
Acq: 21 Apr 2025 08:41

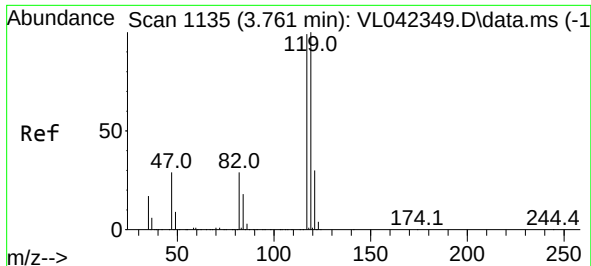
Tgt Ion: 43 Resp: 220144

Ion Ratio Lower Upper

43 100

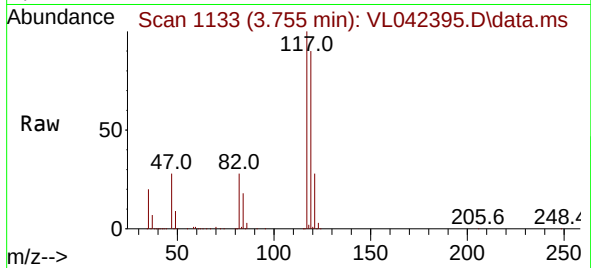
72 22.4 18.2 27.2





#35
Carbon Tetrachloride
Concen: 9.614 ppbv
RT: 3.755 min Scan# 1135
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

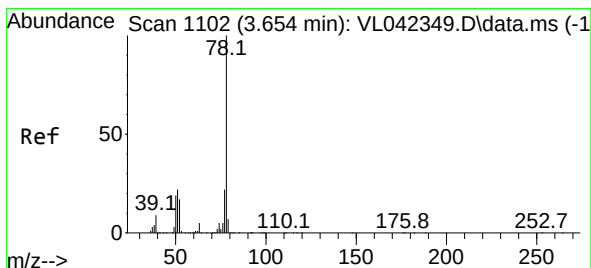
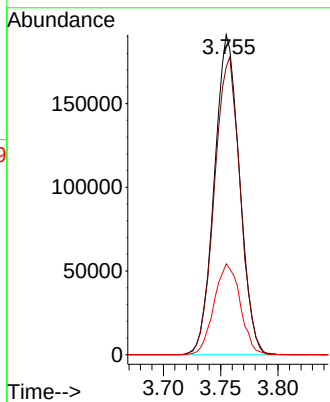
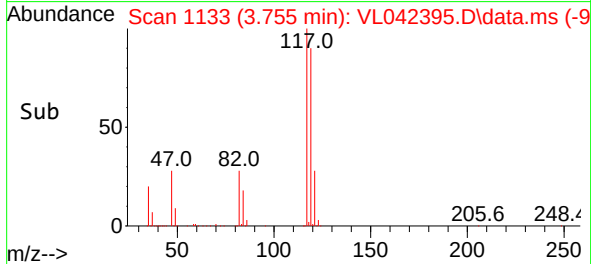
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



Tgt Ion: 117 Resp: 291229
Ion Ratio Lower Upper
117 100
119 89.9 80.5 120.7
121 28.4 24.2 36.2

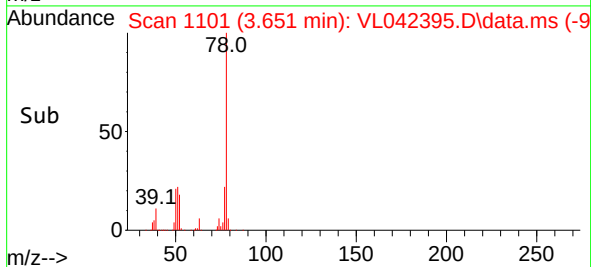
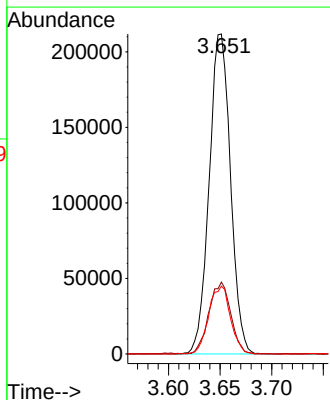
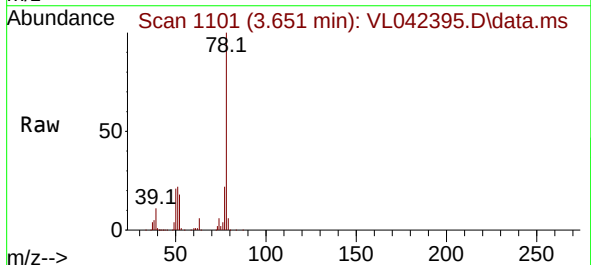
Manual Integrations
APPROVED

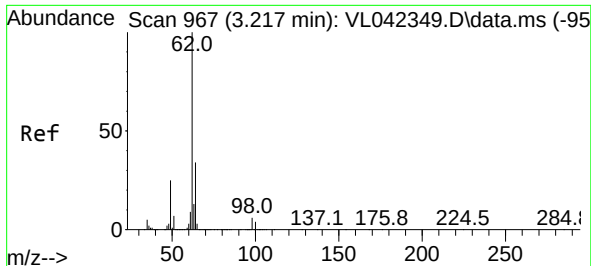
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#36
Benzene
Concen: 8.420 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

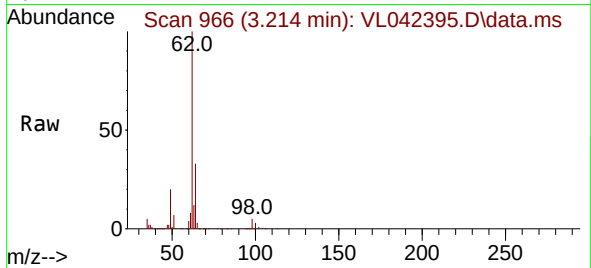
Tgt Ion: 78 Resp: 303987
Ion Ratio Lower Upper
78 100
77 22.5 17.4 26.0
50 21.2 15.5 23.3





#37
1,2-Dichloroethane
Concen: 10.206 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

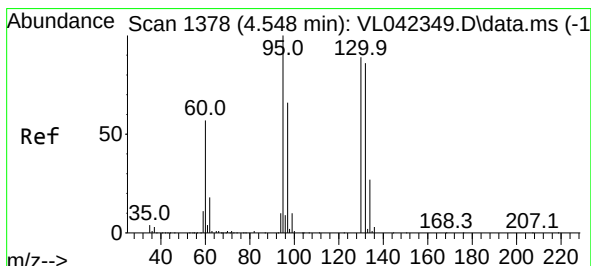
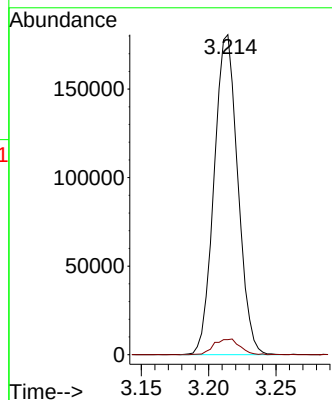
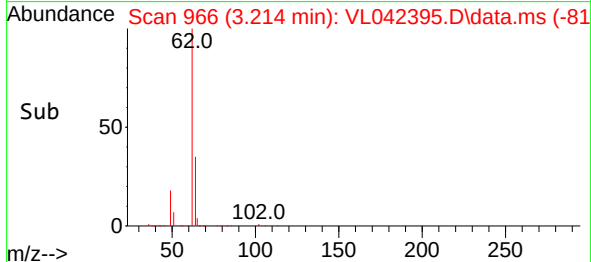
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 22115
Ion Ratio Lower Upper
62 100
98 5.4 5.1 7.7

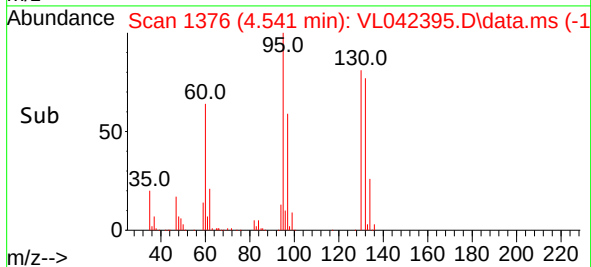
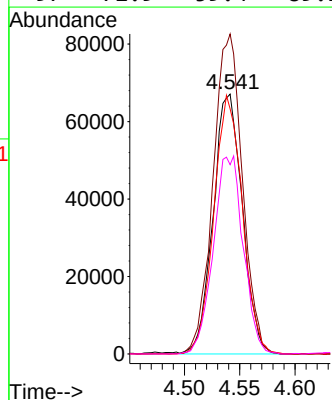
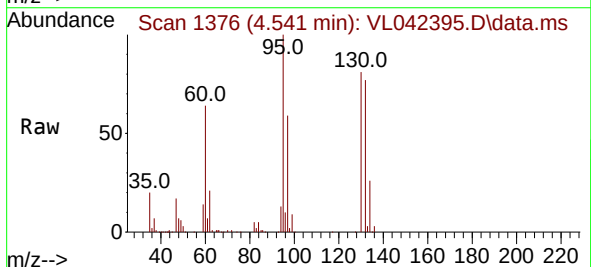
Manual Integrations
APPROVED

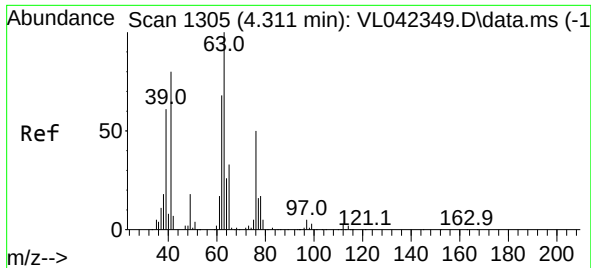
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#38
Trichloroethene
Concen: 7.804 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:130 Resp: 123150
Ion Ratio Lower Upper
130 100
95 123.2 89.8 134.6
132 94.2 77.7 116.5
97 72.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.018 ppbv

RT: 4.305 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 10787

Ion Ratio Lower Upper

63 100

41 97.2 64.2 96.2

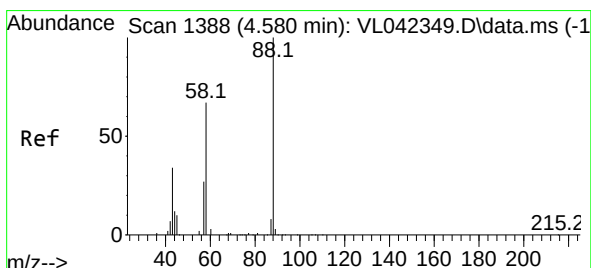
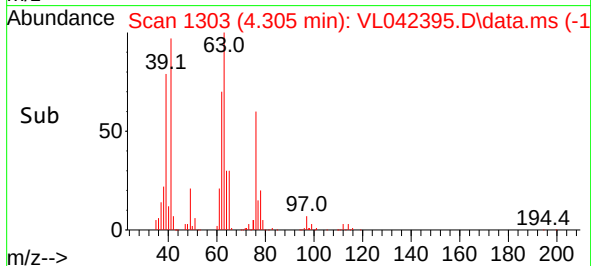
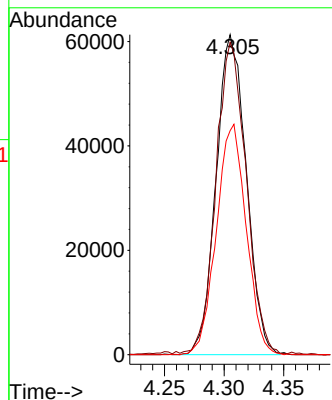
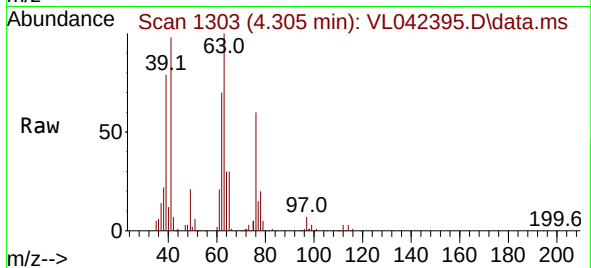
62 70.0 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#40

1,4-Dioxane

Concen: 7.286 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Tgt Ion: 88 Resp: 53874

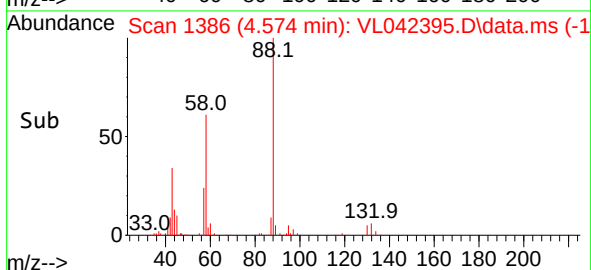
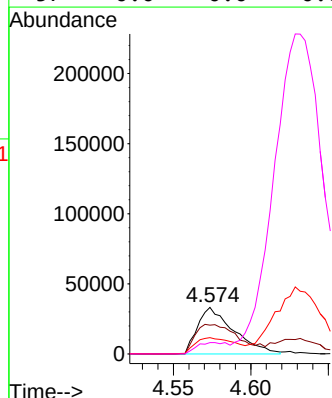
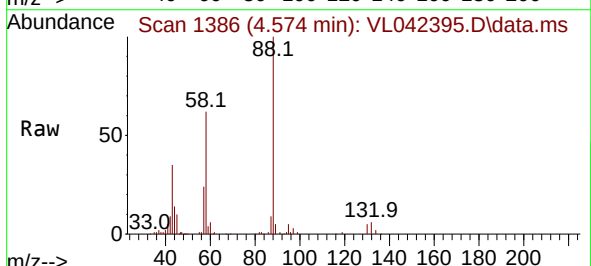
Ion Ratio Lower Upper

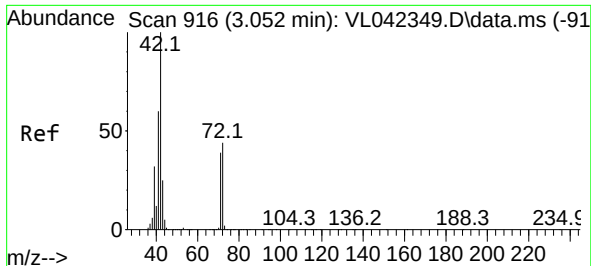
88 100

58 75.5 61.4 92.0

43 38.4 23.2 34.8

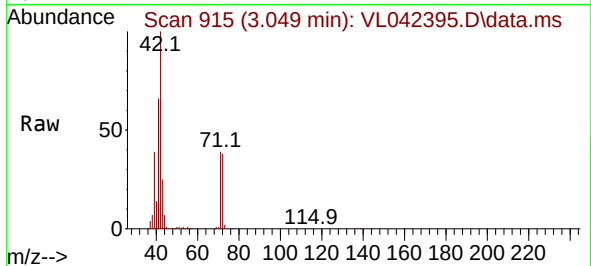
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 7.701 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

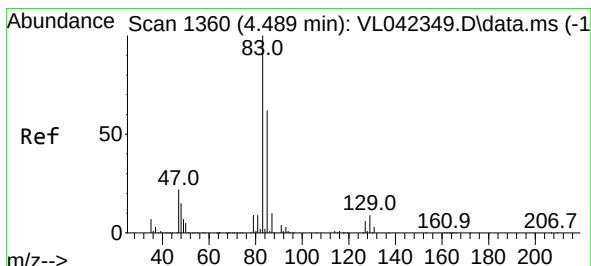
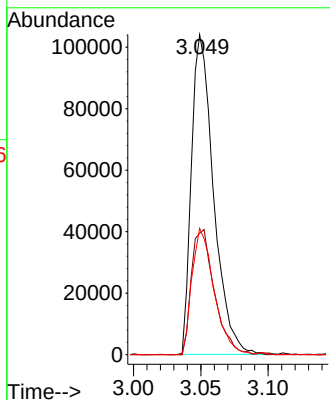
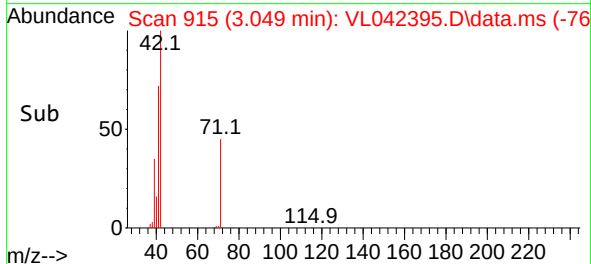
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



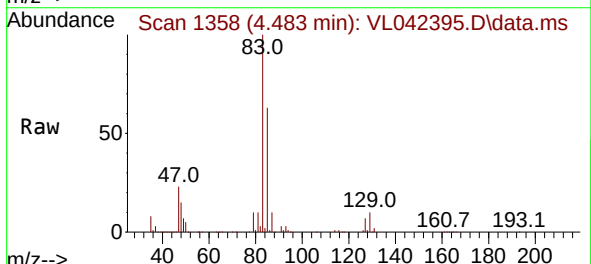
Tgt Ion: 42 Resp: 11886
Ion Ratio Lower Upper
42 100
72 40.8 32.3 48.5
71 39.8 31.4 47.2

Manual Integrations
APPROVED

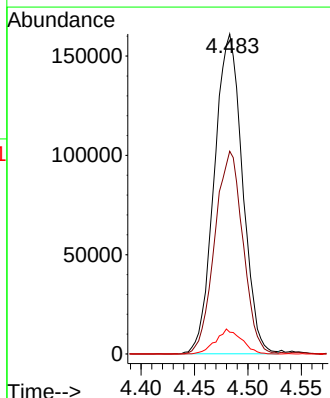
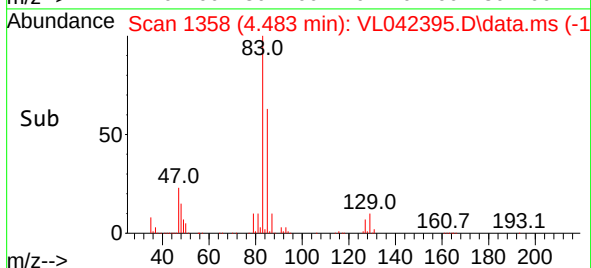
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

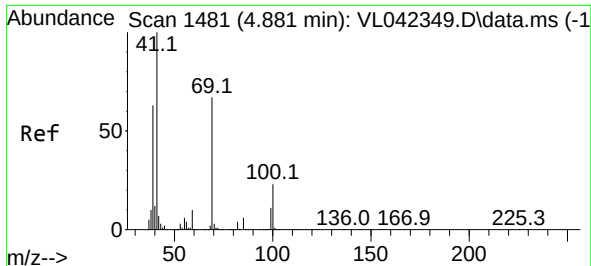


#42
Bromodichloromethane
Concen: 9.800 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 83 Resp: 295552
Ion Ratio Lower Upper
83 100
85 63.4 49.7 74.5
127 6.8 5.1 7.7





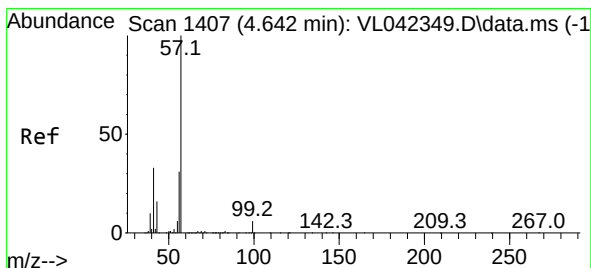
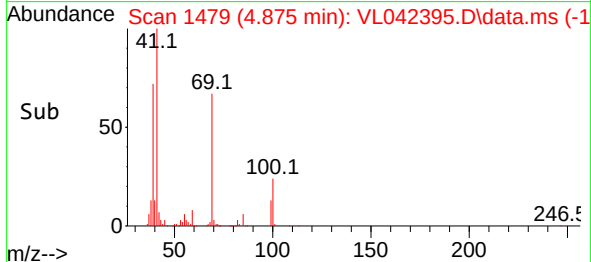
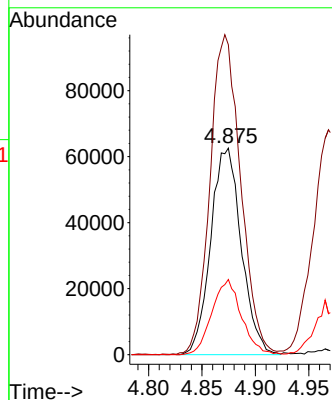
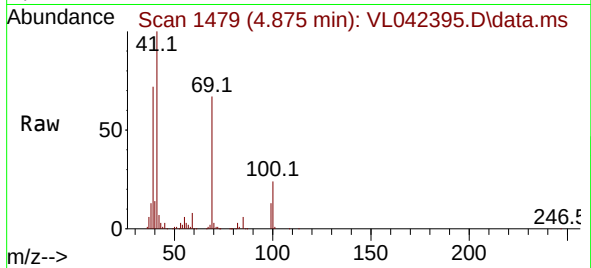
#43
Methyl Methacrylate
Concen: 7.667 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 12474
Ion Ratio Lower Upper
69 100
41 155.5 118.6 177.8
100 35.1 28.2 42.2

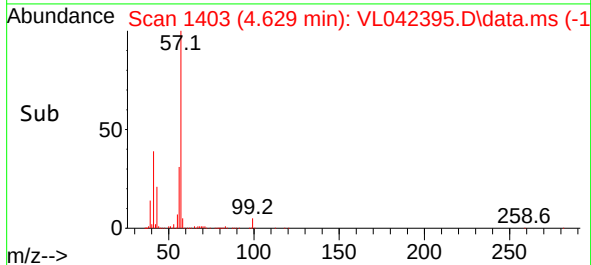
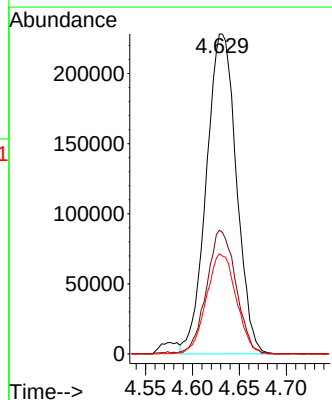
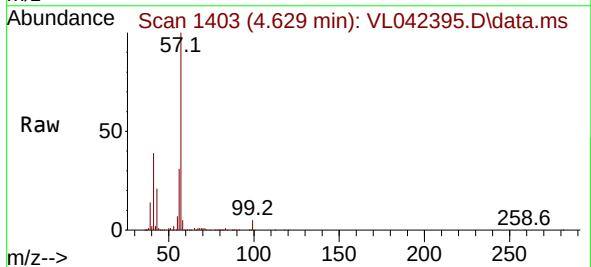
Manual Integrations
APPROVED

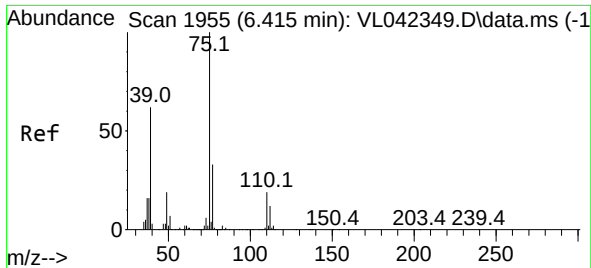
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#44
2,2,4-Trimethylpentane
Concen: 8.138 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

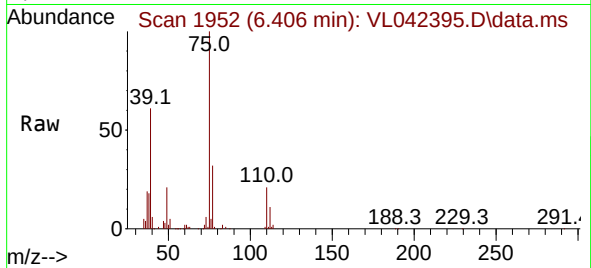
Tgt Ion: 57 Resp: 507437
Ion Ratio Lower Upper
57 100
41 38.3 27.2 40.8
56 31.2 25.7 38.5





#45
t-1,3-Dichloropropene
Concen: 8.596 ppbv
RT: 6.406 min Scan# 1952
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

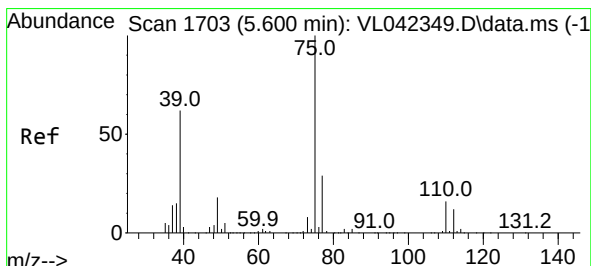
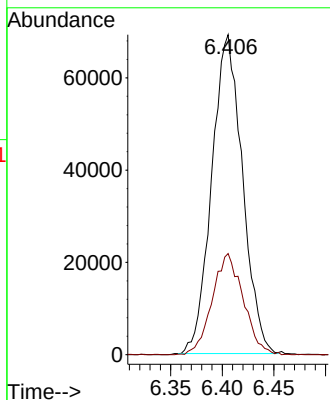
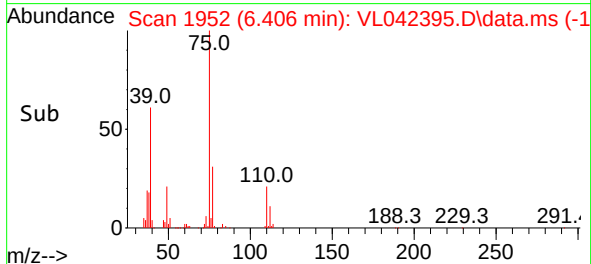
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 142879
Ion Ratio Lower Upper
75 100
77 31.6 27.0 40.6

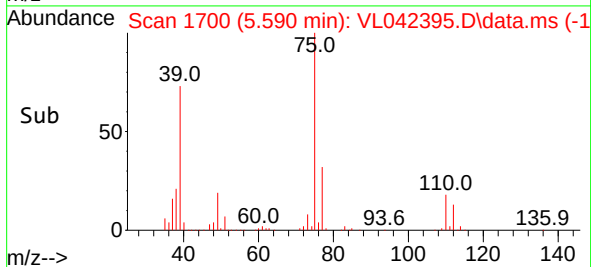
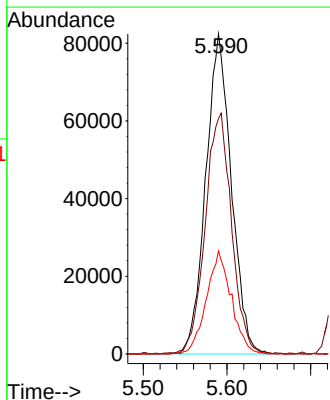
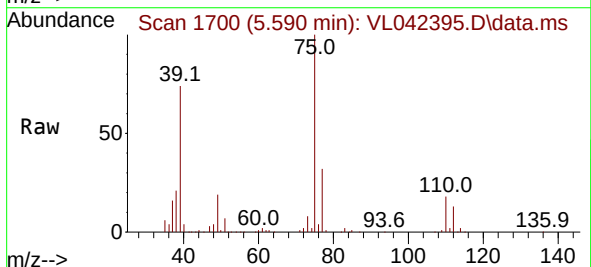
Manual Integrations
APPROVED

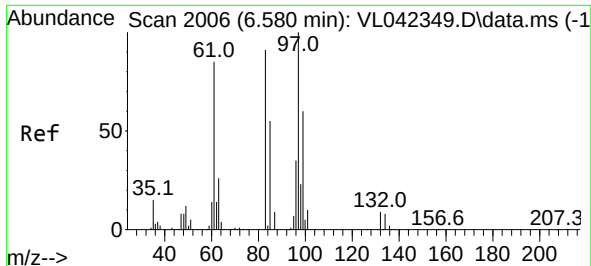
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#46
cis-1,3-Dichloropropene
Concen: 8.595 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 75 Resp: 174844
Ion Ratio Lower Upper
75 100
39 73.4 50.0 75.0
77 32.2 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 8.711 ppbv

RT: 6.571 min Scan# 2006

Delta R.T. -0.010 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 119399

Ion Ratio Lower Upper

97 100

83 76.6 72.8 109.2

85 53.8 44.2 66.4

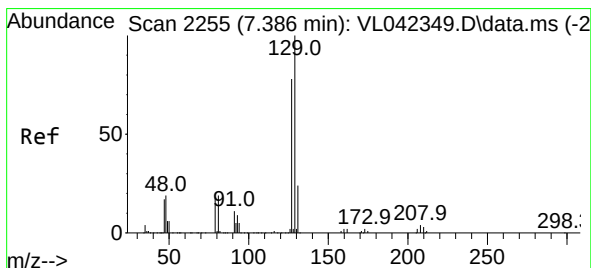
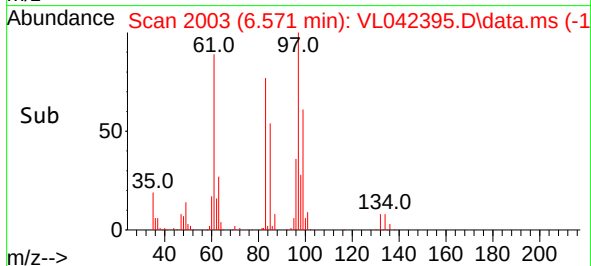
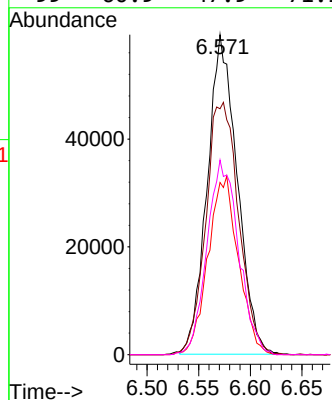
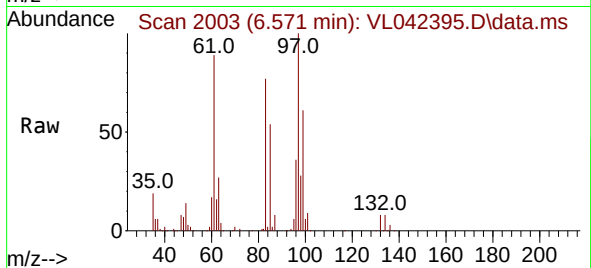
99 60.9 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#48

Dibromochloromethane

Concen: 9.476 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.006 min

Lab File: VL042395.D

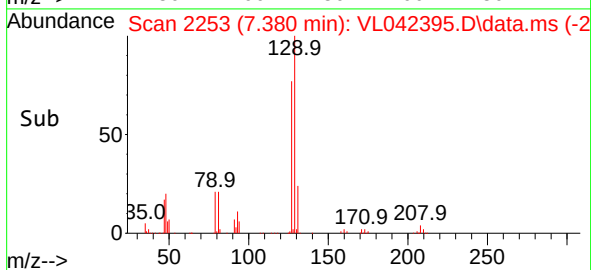
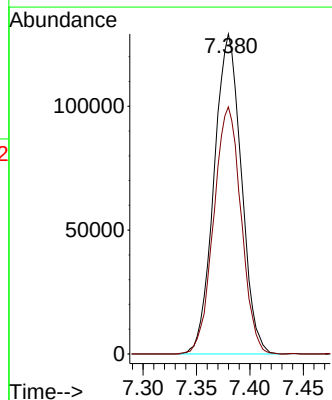
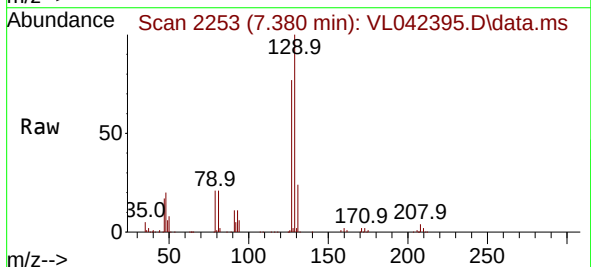
Acq: 21 Apr 2025 08:41

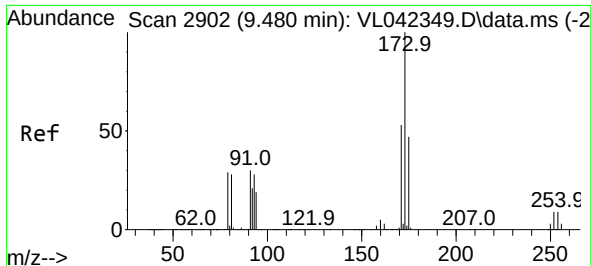
Tgt Ion:129 Resp: 229466

Ion Ratio Lower Upper

129 100

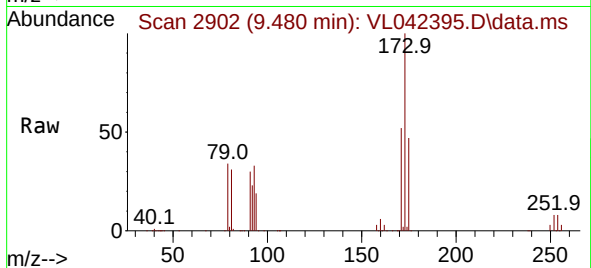
127 77.6 39.1 117.3





#49
Bromoform
Concen: 8.836 ppbv
RT: 9.480 min Scan# 2902
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

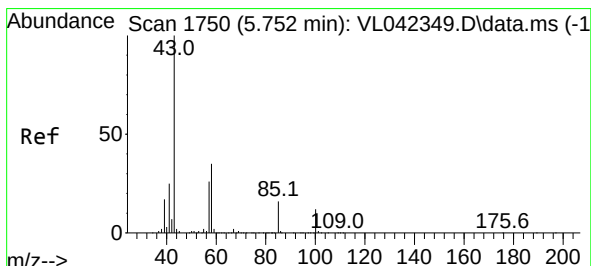
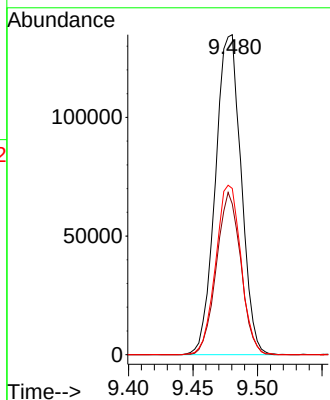
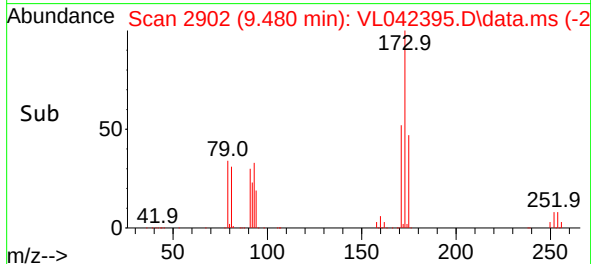
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



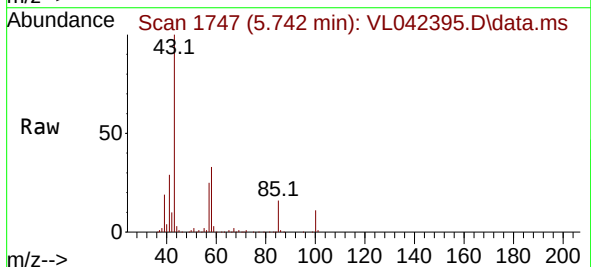
Tgt Ion: 173 Resp: 187094
Ion Ratio Lower Upper
173 100
175 48.0 38.2 57.2
171 52.0 40.9 61.3

Manual Integrations
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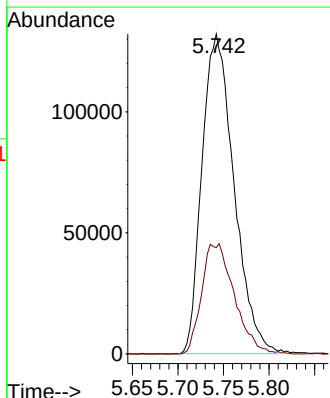
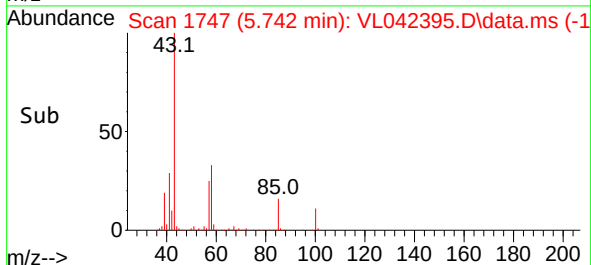
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

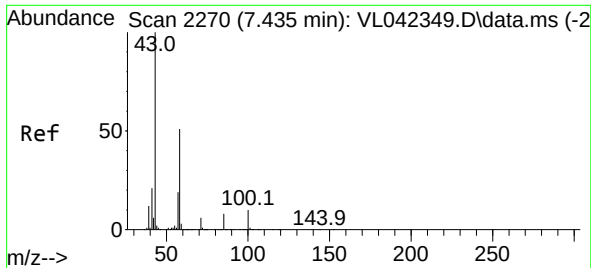


#50
4-Methyl-2-Pentanone
Concen: 7.314 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



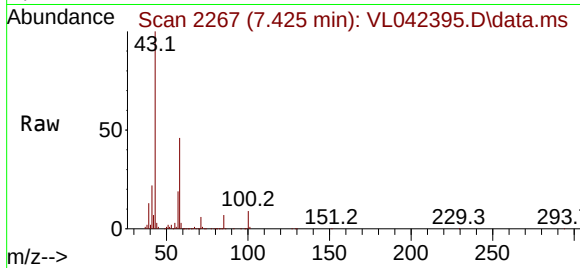
Tgt Ion: 43 Resp: 321752
Ion Ratio Lower Upper
43 100
58 35.3 28.6 43.0





#51
2-Hexanone
Concen: 6.590 ppbv
RT: 7.425 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

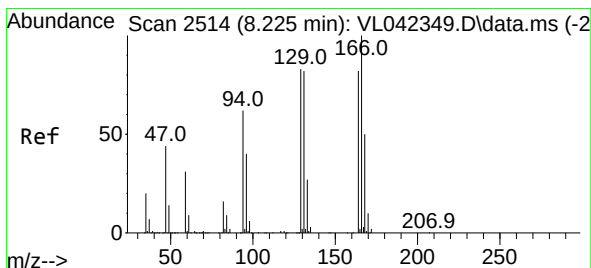
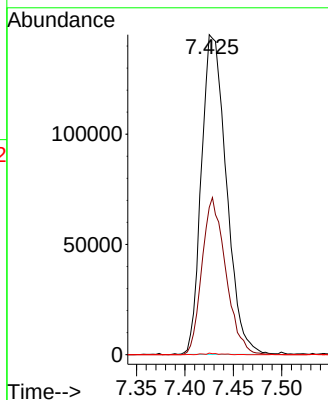
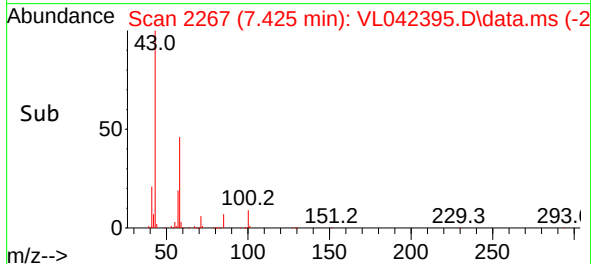
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 260009
Ion Ratio Lower Upper
43 100
58 46.9 40.2 60.4
98 0.3 0.1 0.1

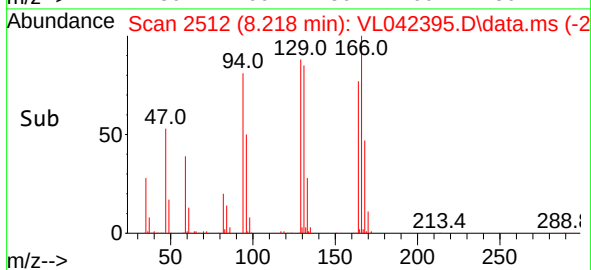
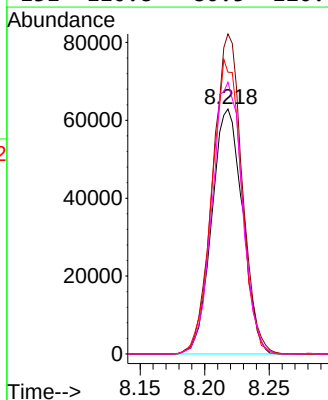
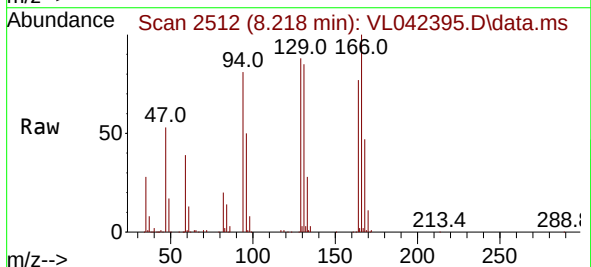
Manual Integrations
APPROVED

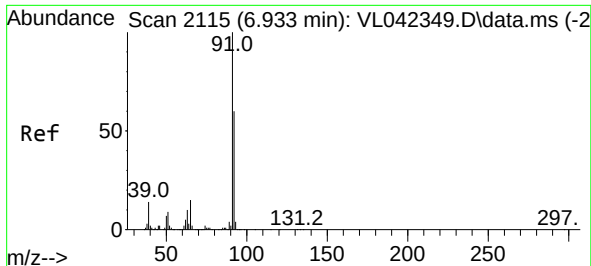
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#52
Tetrachloroethene
Concen: 7.474 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

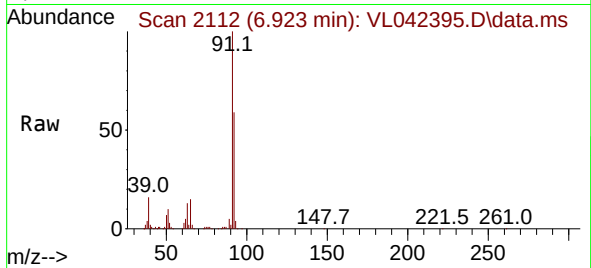
Tgt Ion:164 Resp: 104294
Ion Ratio Lower Upper
164 100
166 130.4 98.2 147.2
129 114.9 81.8 122.8
131 110.8 80.5 120.7





#53
Toluene
Concen: 8.206 ppbv
RT: 6.923 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

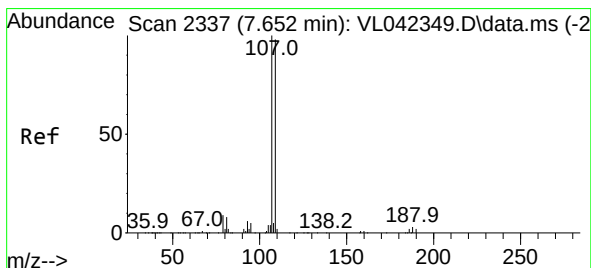
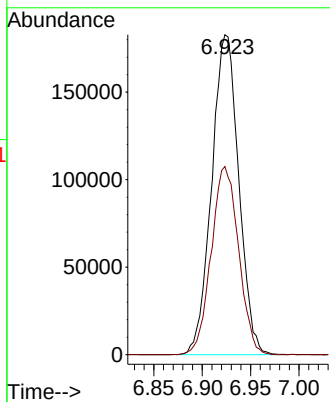
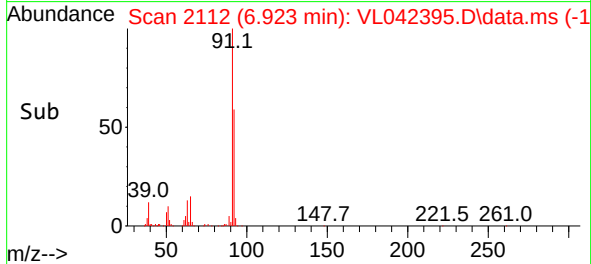
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 355540
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.4

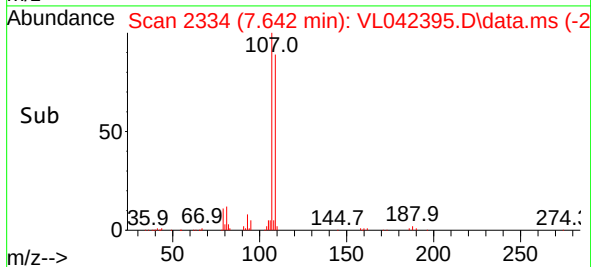
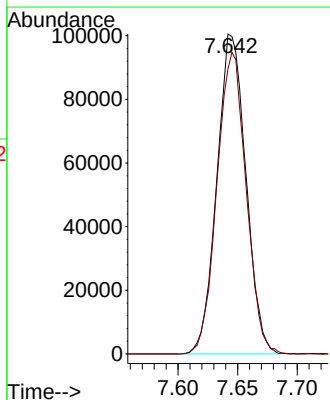
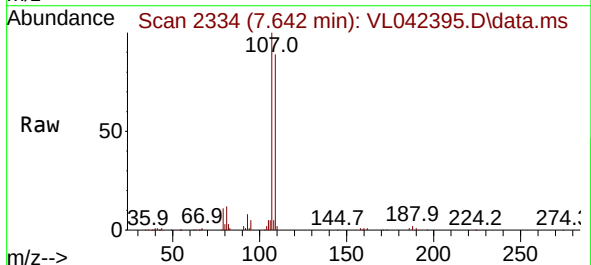
Manual Integrations
APPROVED

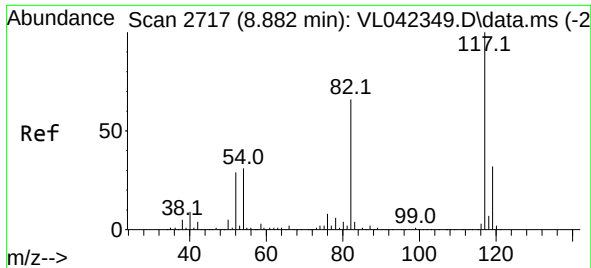
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#54
1,2-Dibromoethane
Concen: 8.654 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

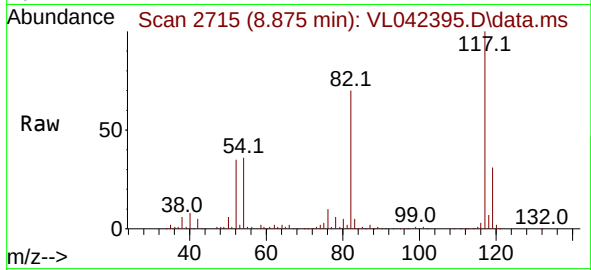
Tgt Ion:107 Resp: 169774
Ion Ratio Lower Upper
107 100
109 89.0 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2716
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

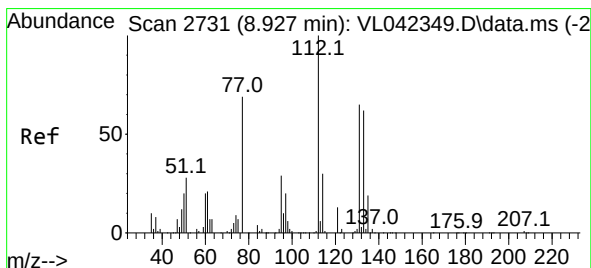
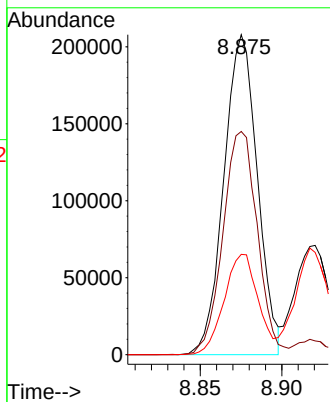
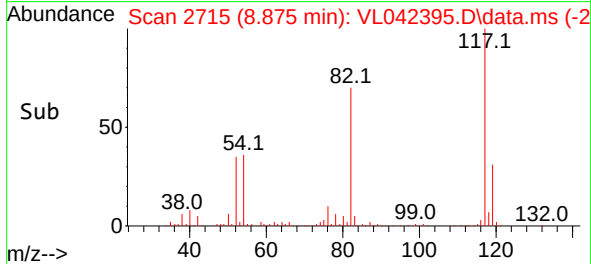
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



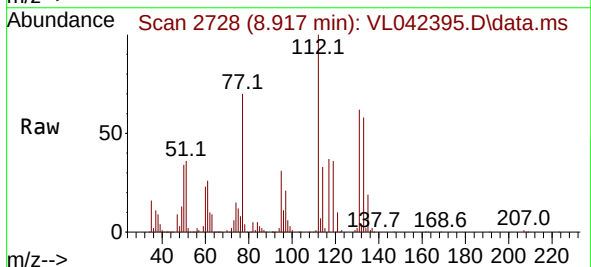
Tgt Ion:117 Resp: 29716
Ion Ratio Lower Upper
117 100
82 76.0 57.8 86.6
119 33.4 25.2 37.8

Manual Integrations
APPROVED

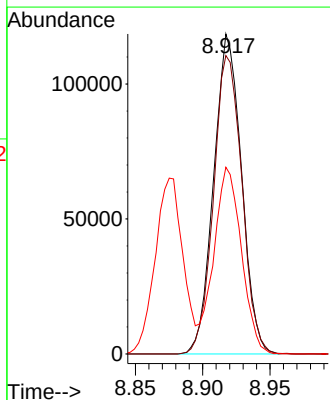
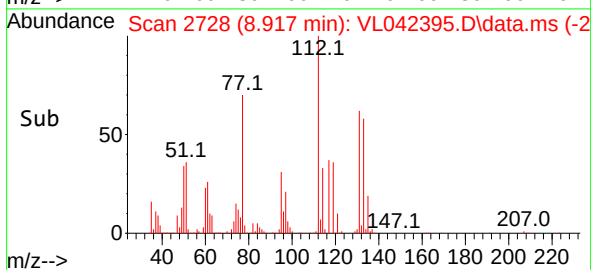
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

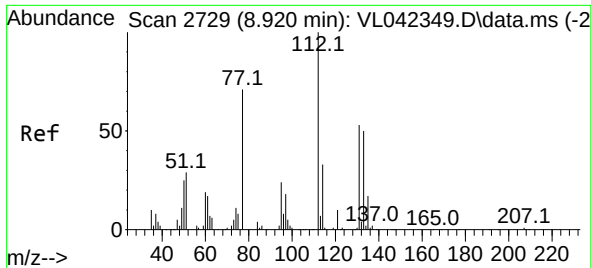


#56
1,1,1,2-Tetrachloroethane
Concen: 9.468 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



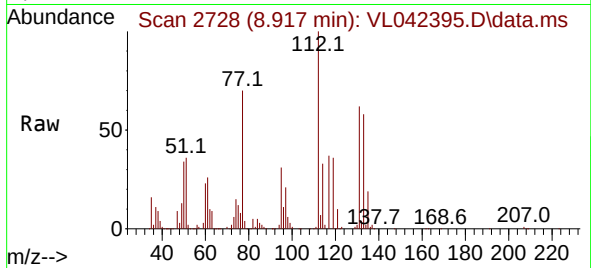
Tgt Ion:131 Resp: 170285
Ion Ratio Lower Upper
131 100
133 95.2 78.3 117.5
119 57.3 48.7 73.1





#57
Chlorobenzene
Concen: 8.944 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

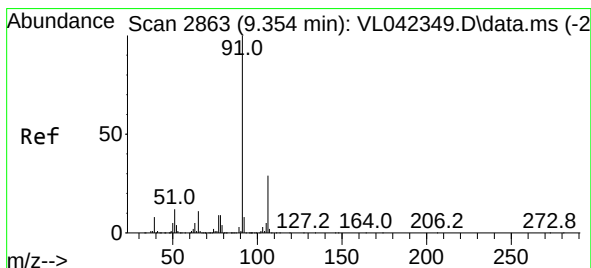
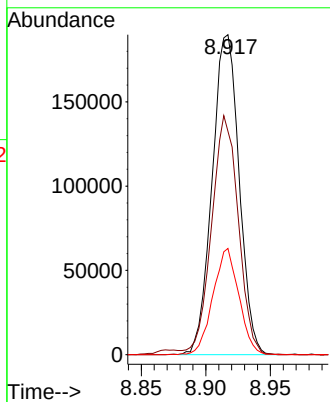
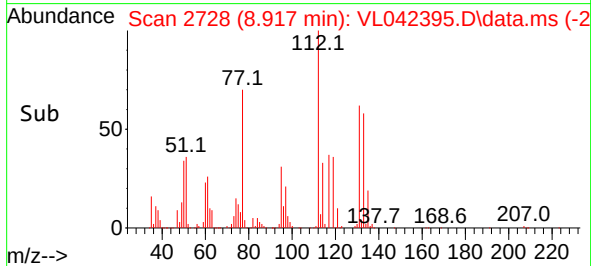
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 276428
Ion Ratio Lower Upper
112 100
77 69.6 57.8 86.6
114 33.2 29.3 35.9

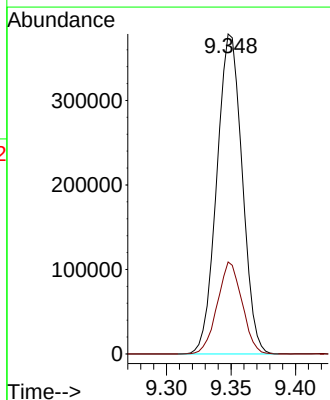
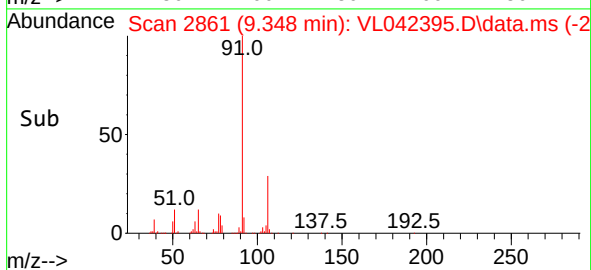
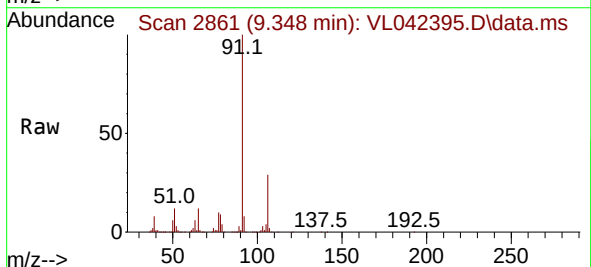
Manual Integrations
APPROVED

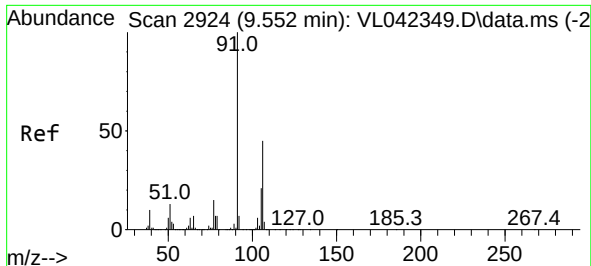
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#58
Ethyl Benzene
Concen: 8.797 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 91 Resp: 517937
Ion Ratio Lower Upper
91 100
106 28.7 23.0 34.4





#59

m/p-Xylene

Concen: 17.868 ppbv m

RT: 9.545 min Scan# 29

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 84745

Ion Ratio Lower Upper

91 100

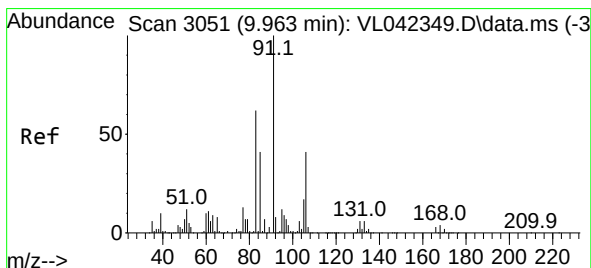
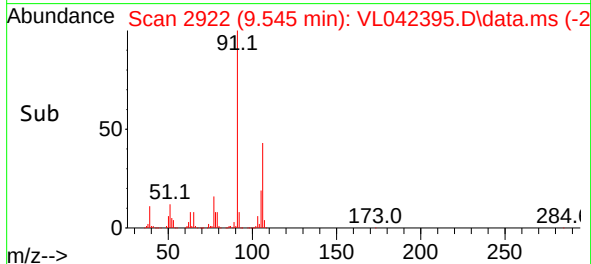
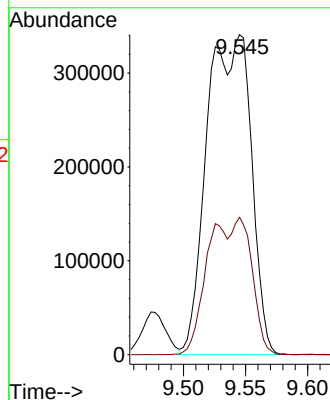
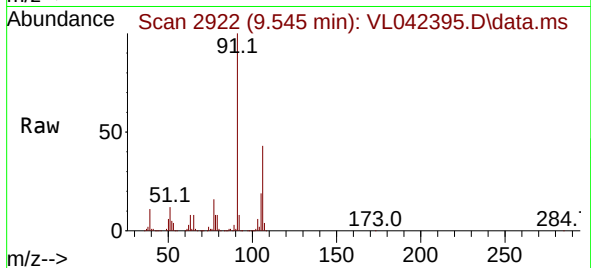
106 42.4 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#60

o-Xylene

Concen: 9.078 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042395.D

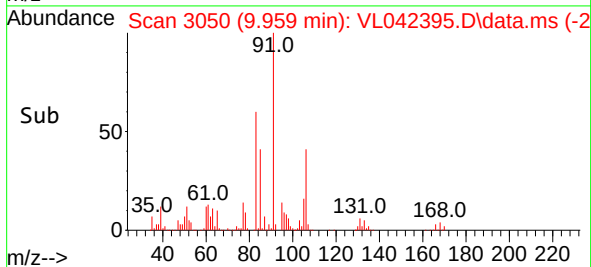
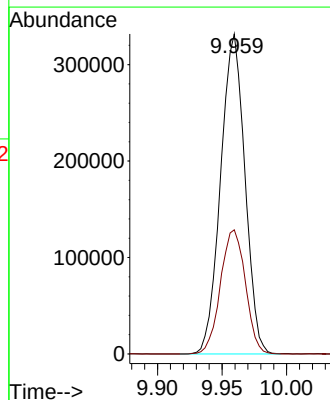
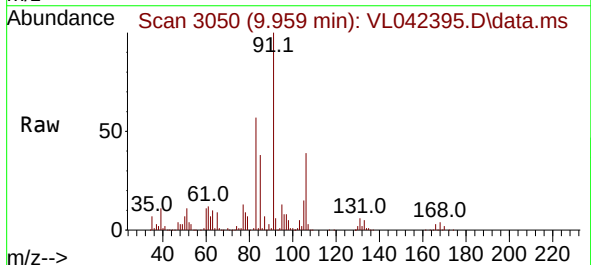
Acq: 21 Apr 2025 08:41

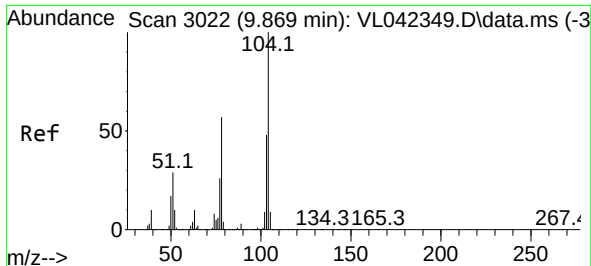
Tgt Ion: 91 Resp: 433569

Ion Ratio Lower Upper

91 100

106 39.9 21.1 63.4





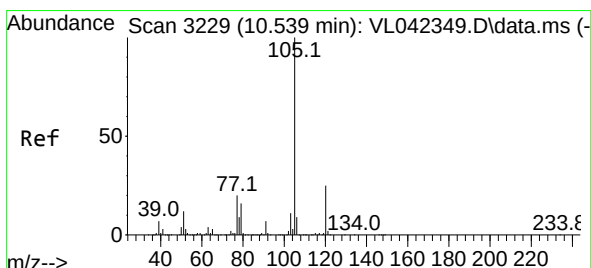
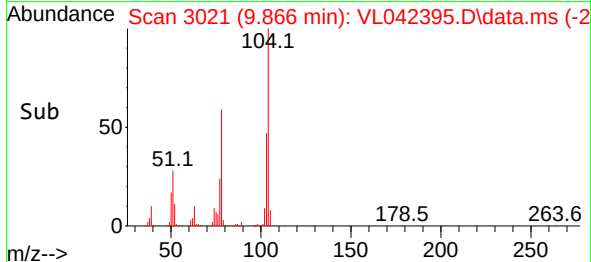
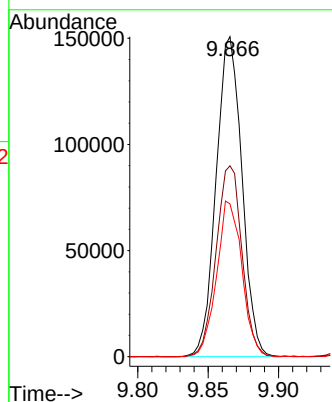
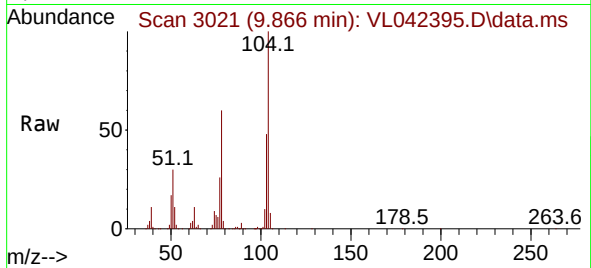
#61
Styrene
Concen: 8.454 ppbv
RT: 9.866 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 192729
Ion Ratio Lower Upper
104 100
78 59.7 44.6 66.8
103 47.7 37.4 56.0

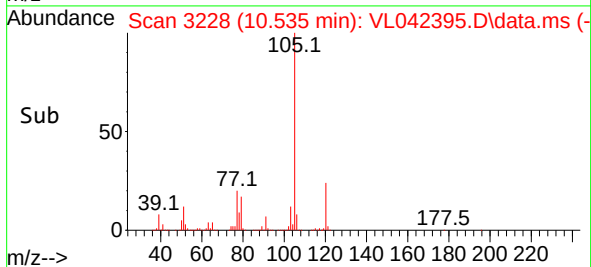
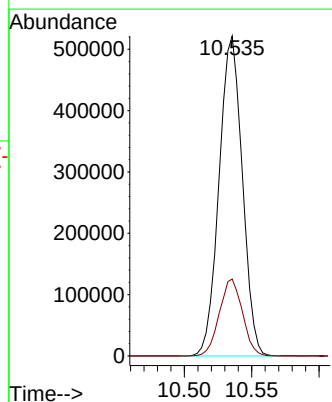
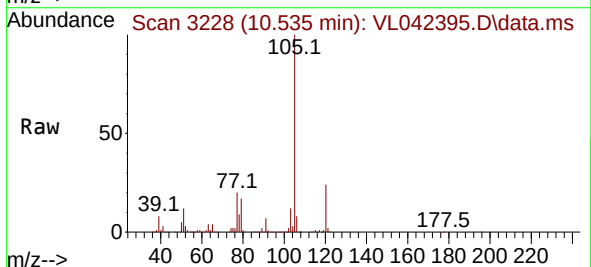
Manual Integrations
APPROVED

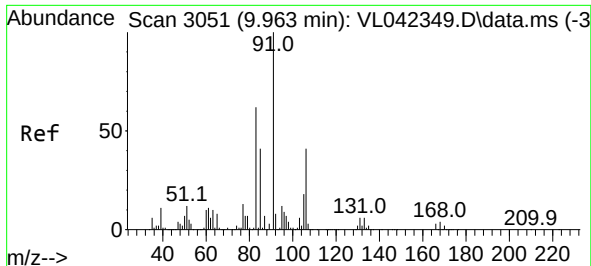
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#62
Isopropylbenzene
Concen: 8.920 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

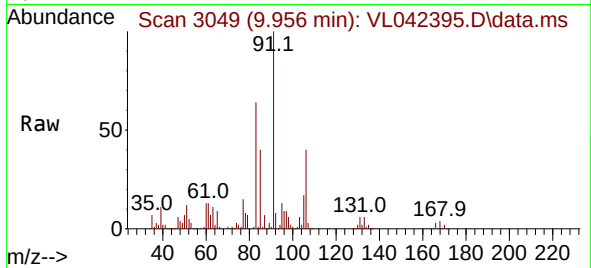
Tgt Ion:105 Resp: 625514
Ion Ratio Lower Upper
105 100
120 23.9 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.085 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

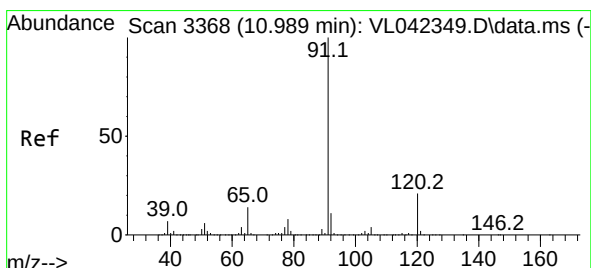
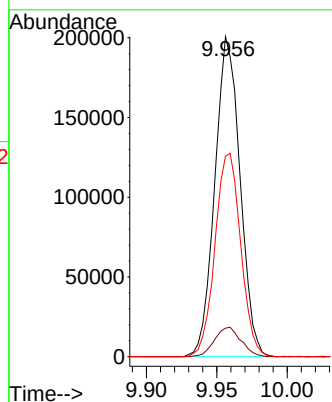
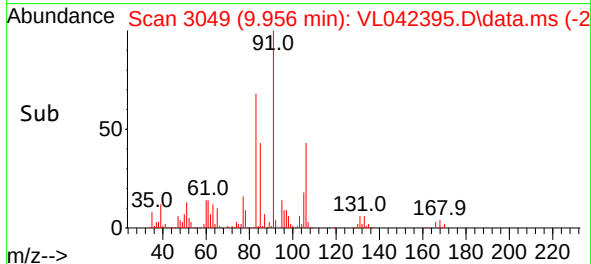
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



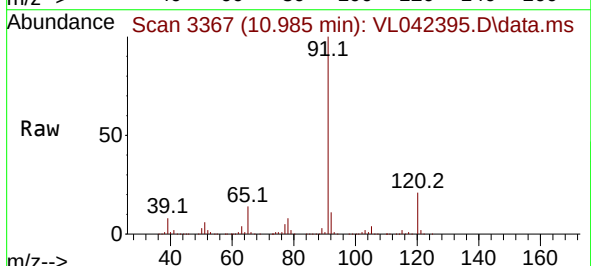
Tgt Ion: 83 Resp: 250238
Ion Ratio Lower Upper
83 100
131 9.7 4.5 13.7
85 64.8 32.4 97.0

Manual Integrations
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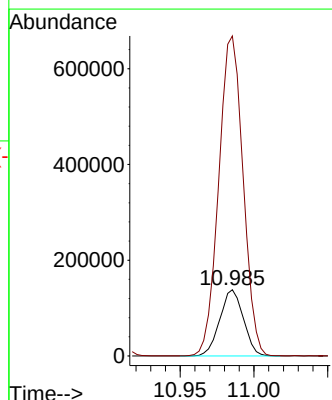
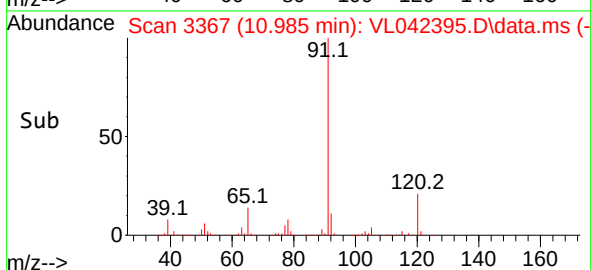
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

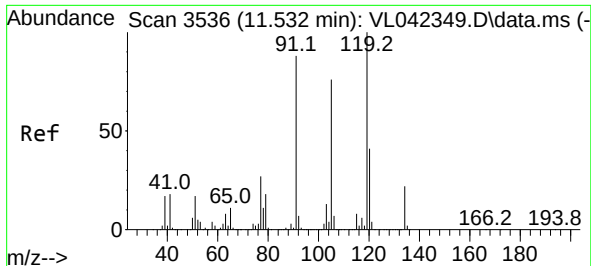


#64
n-propylbenzene
Concen: 8.744 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



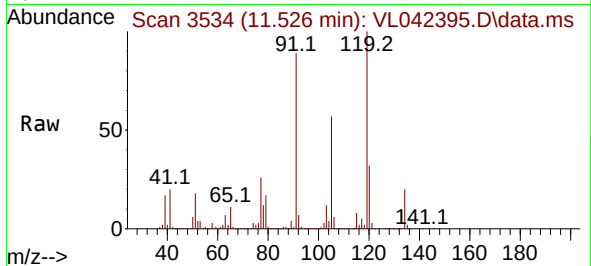
Tgt Ion:120 Resp: 154114
Ion Ratio Lower Upper
120 100
91 499.0 392.4 588.6





#65
tert-Butylbenzene
Concen: 8.853 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

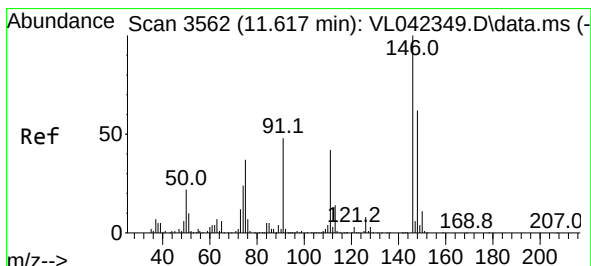
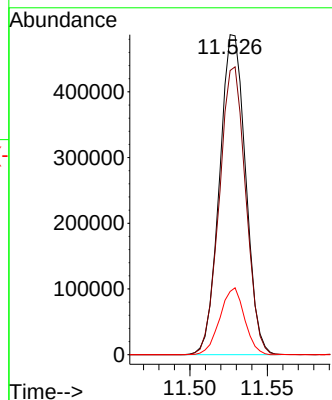
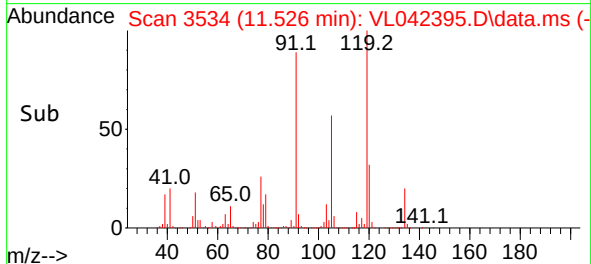
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



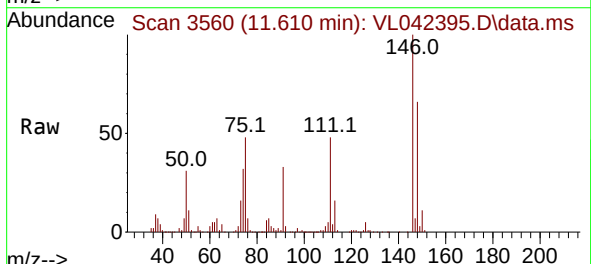
Tgt Ion: 119 Resp: 570548
Ion Ratio Lower Upper
119 100
91 90.6 74.6 111.8
134 19.7 18.8 28.2

Manual Integrations
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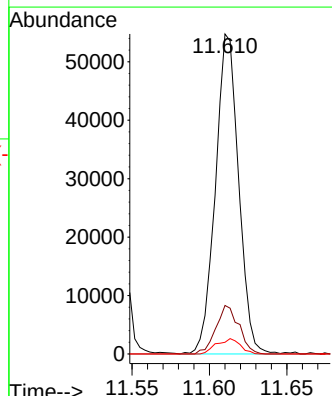
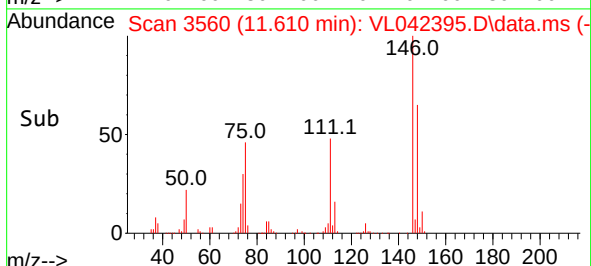
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

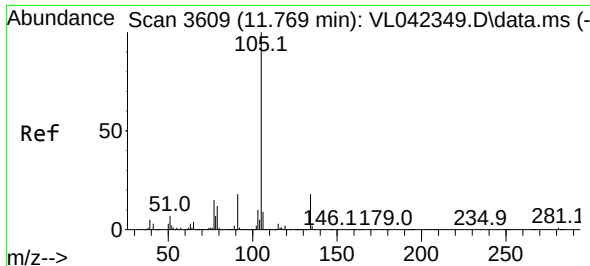


#66
Benzyl Chloride
Concen: 8.061 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



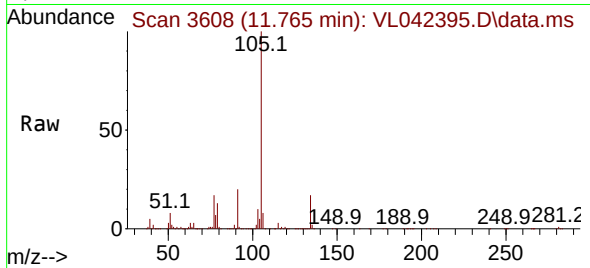
Tgt Ion: 91 Resp: 57090
Ion Ratio Lower Upper
91 100
126 14.9 11.8 17.6
128 4.9 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 8.899 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

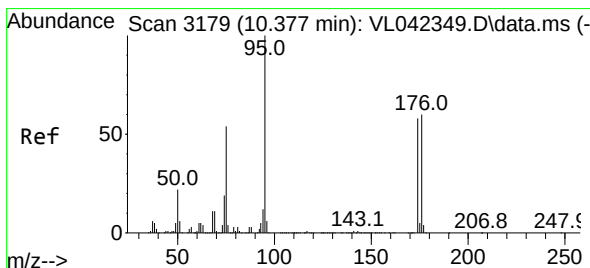
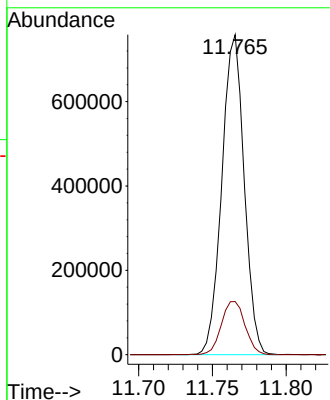
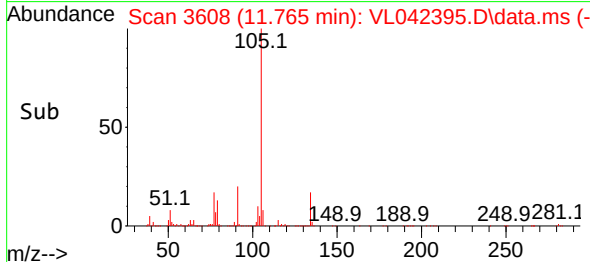
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 797738
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8

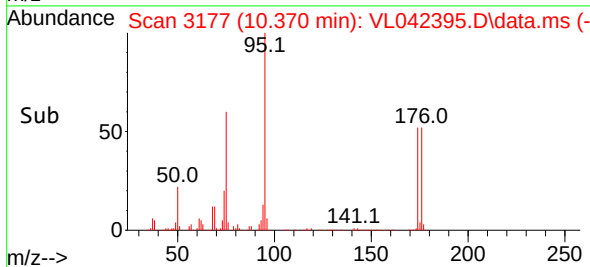
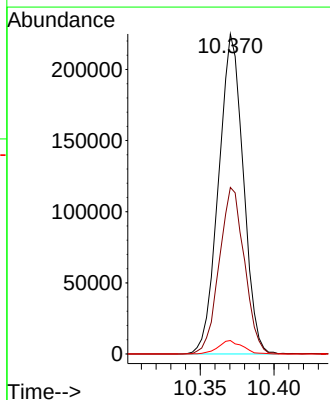
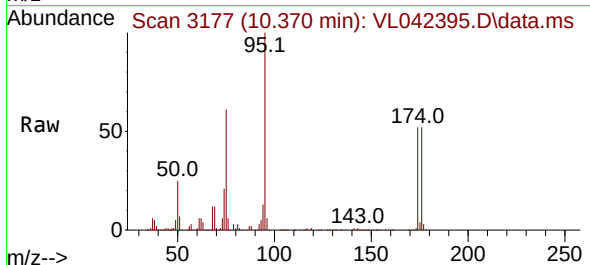
Manual Integrations
 APPROVED

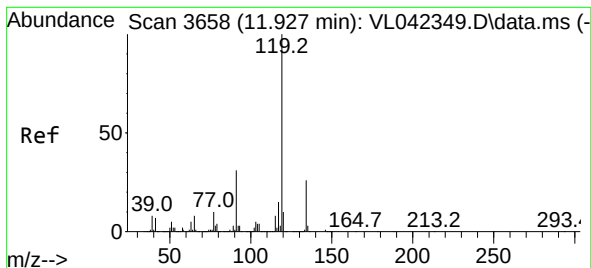
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.736 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

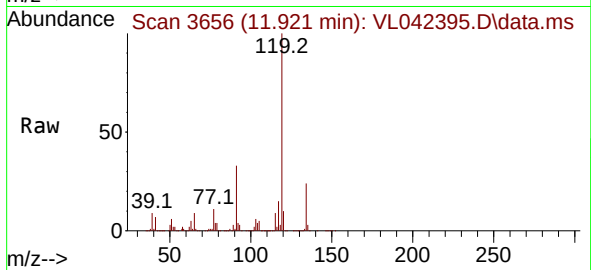
Tgt Ion: 95 Resp: 262155
 Ion Ratio Lower Upper
 95 100
 174 53.0 48.5 72.7
 175 4.1 3.7 5.5





#69
p-Isopropyltoluene
Concen: 8.789 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

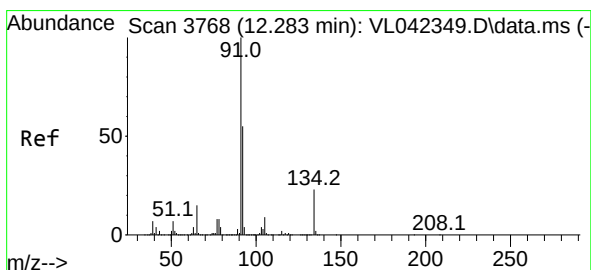
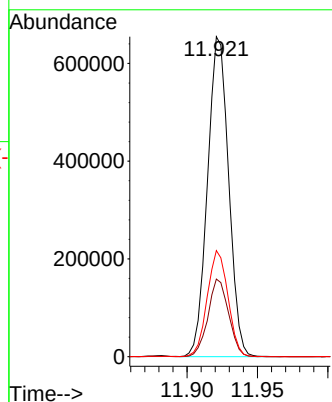
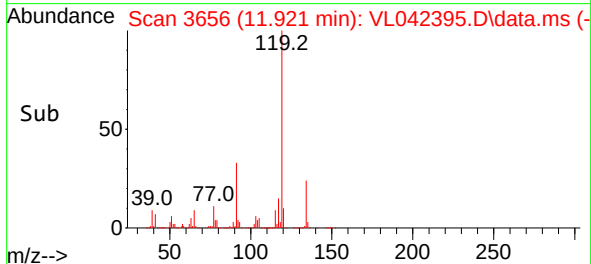
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



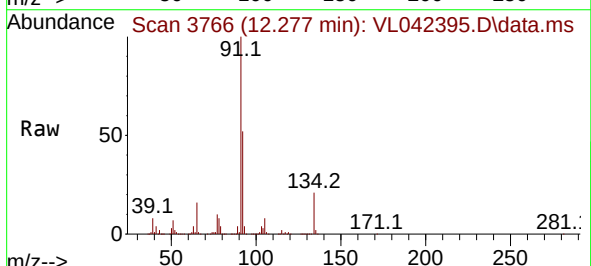
Tgt Ion: 119 Resp: 68448
Ion Ratio Lower Upper
119 100
134 23.7 20.0 30.0
91 32.7 24.4 36.6

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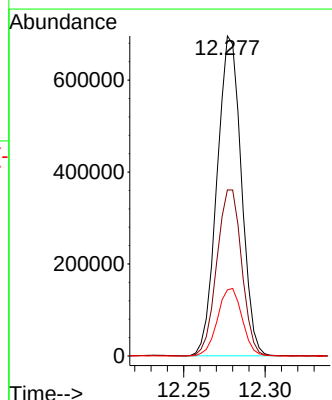
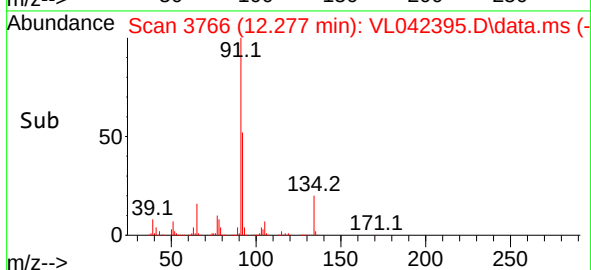
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

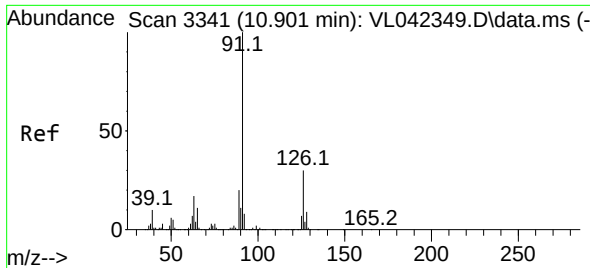


#70
n-Butylbenzene
Concen: 8.877 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 91 Resp: 720062
Ion Ratio Lower Upper
91 100
92 53.5 44.2 66.4
134 21.4 18.2 27.4





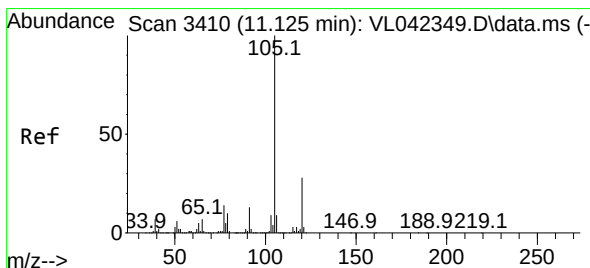
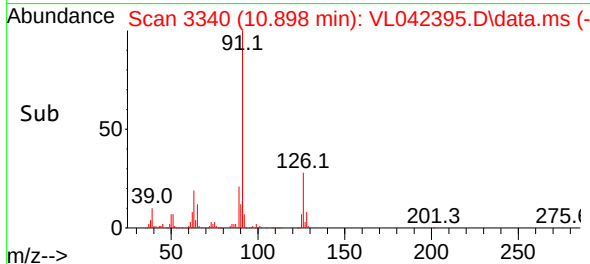
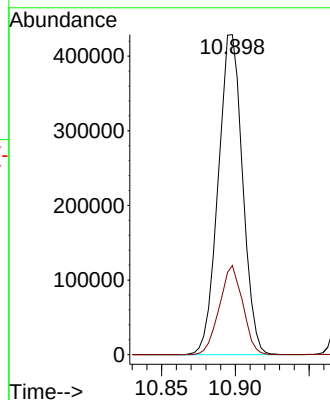
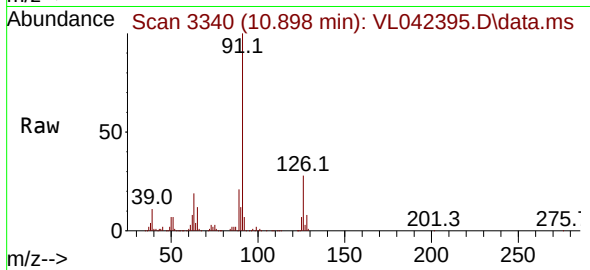
#71
2-Chlorotoluene
Concen: 8.967 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 493192
Ion Ratio Lower Upper
91 100
126 26.6 11.4 45.4

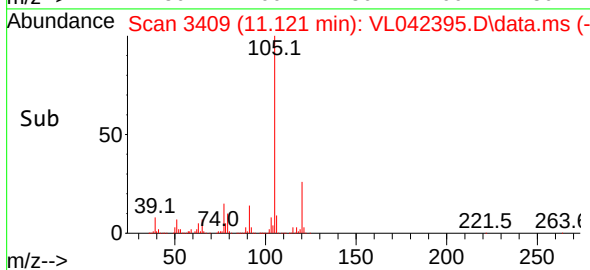
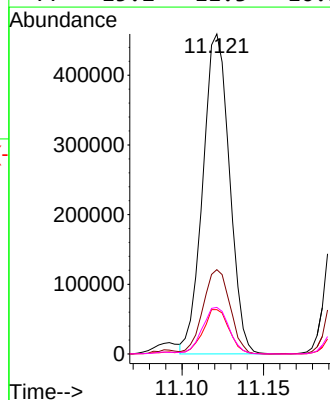
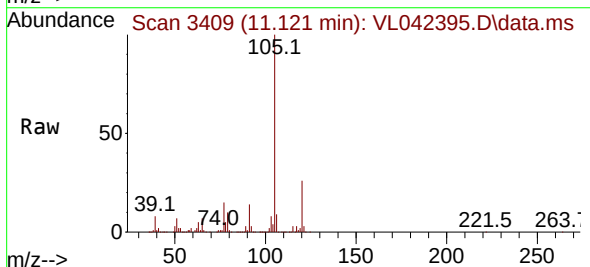
Manual Integrations
APPROVED

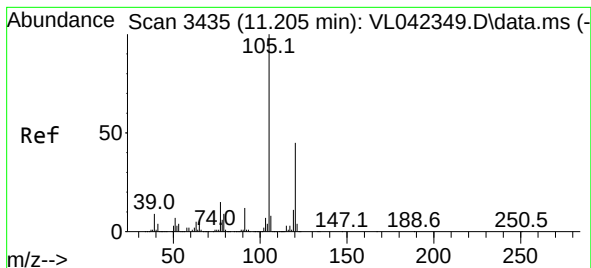
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#72
4-Ethyltoluene
Concen: 8.929 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:105 Resp: 521390
Ion Ratio Lower Upper
105 100
120 27.8 23.2 34.8
91 14.3 10.4 15.6
77 15.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.752 ppbv

RT: 11.199 min Scan# 3435

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 451158

Ion Ratio Lower Upper

105 100

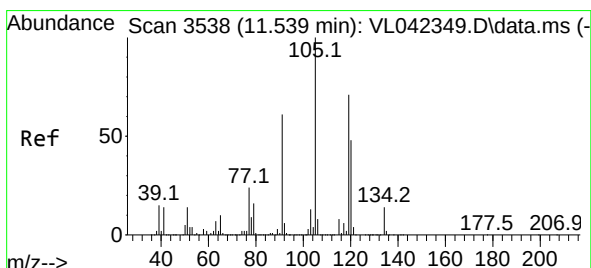
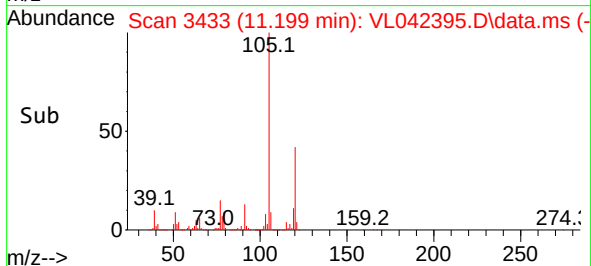
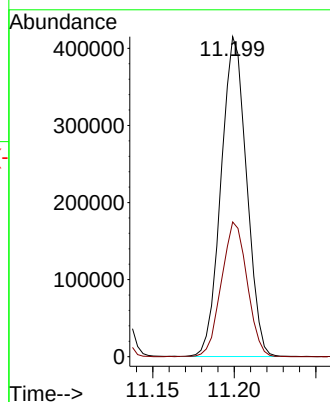
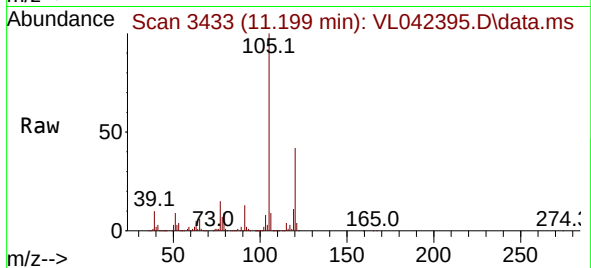
120 42.1 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.340 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Tgt Ion:105 Resp: 502117

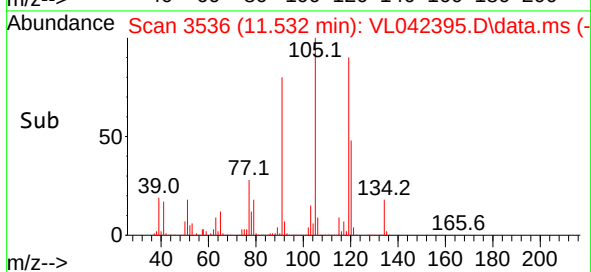
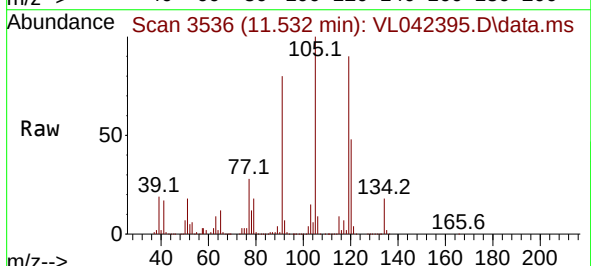
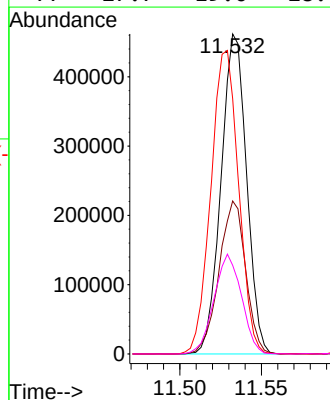
Ion Ratio Lower Upper

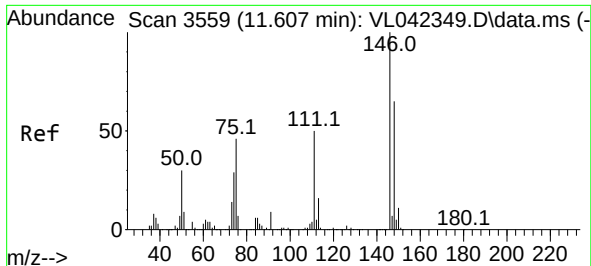
105 100

120 47.8 38.1 57.1

91 79.7 48.8 73.2#

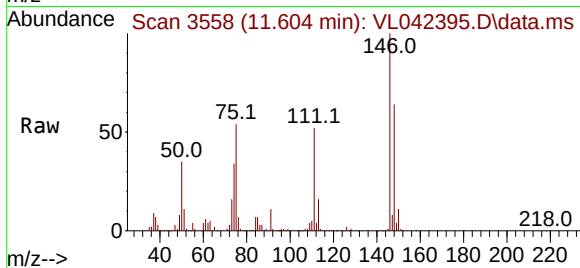
77 27.7 19.0 28.4





#75
1,3-Dichlorobenzene
Concen: 8.436 ppbv
RT: 11.604 min Scan# 3559
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

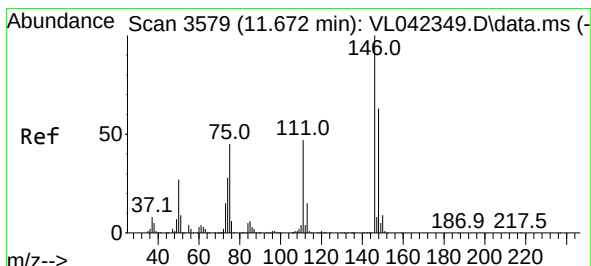
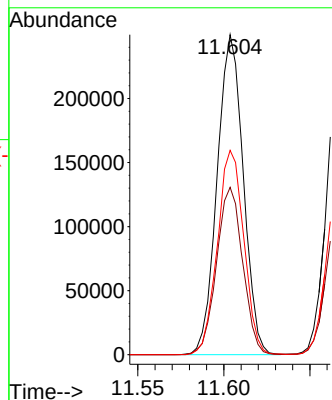
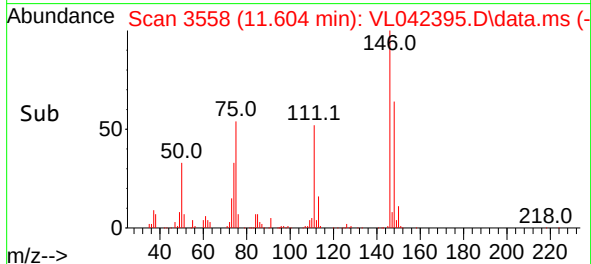
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



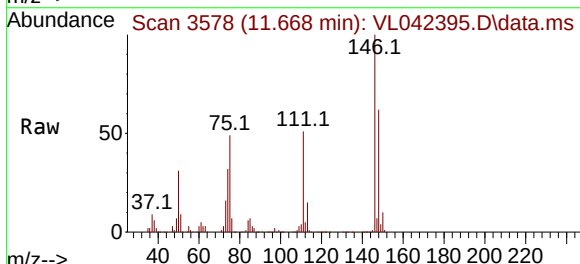
Tgt Ion:146 Resp: 264024
Ion Ratio Lower Upper
146 100
111 52.3 24.3 72.8
148 64.6 31.6 94.8

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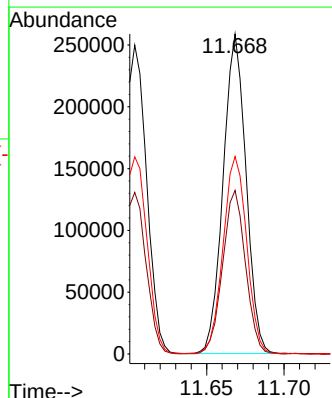
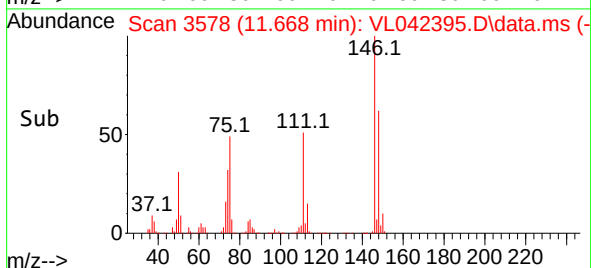
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

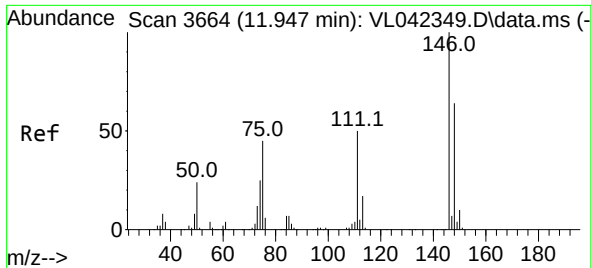


#76
1,4-Dichlorobenzene
Concen: 8.445 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



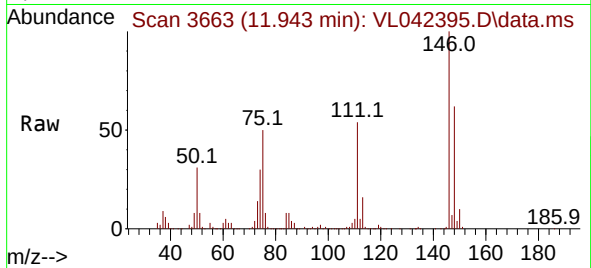
Tgt Ion:146 Resp: 265655
Ion Ratio Lower Upper
146 100
111 51.4 24.2 72.6
148 64.1 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 8.548 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

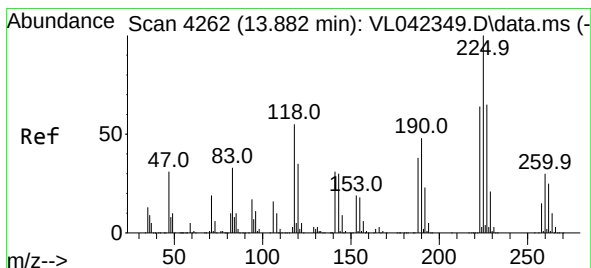
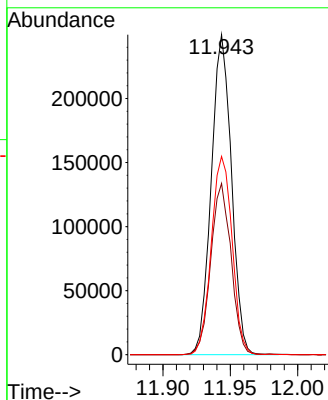
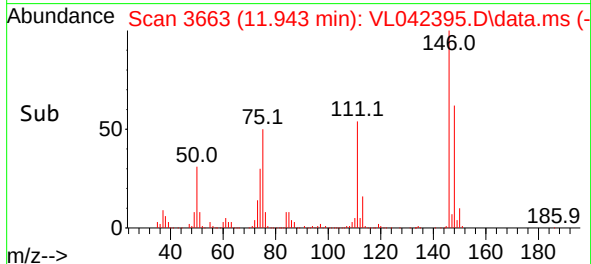
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



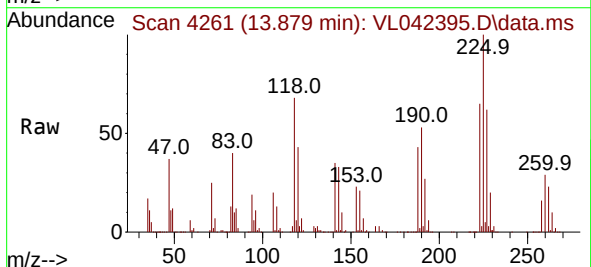
Tgt Ion:146 Resp: 26013
Ion Ratio Lower Upper
146 100
111 53.9 25.3 75.9
148 64.0 31.5 94.5

Manual Integrations
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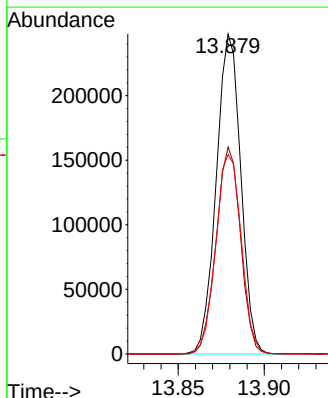
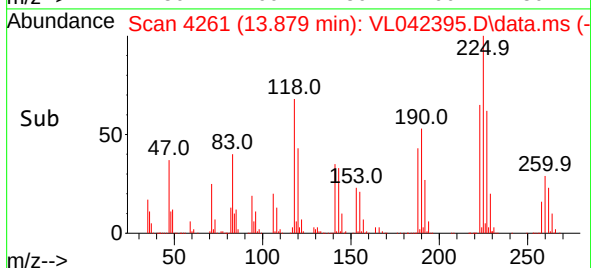
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

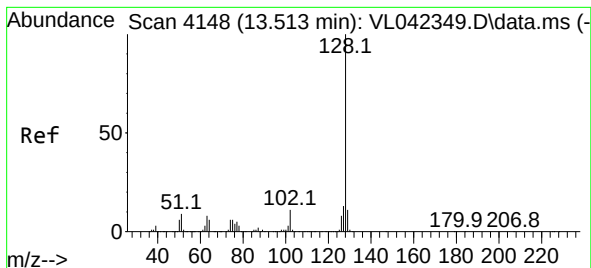


#78
Hexachloro-1,3-Butadiene
Concen: 8.002 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion:225 Resp: 245910
Ion Ratio Lower Upper
225 100
223 64.2 50.3 75.5
227 64.9 51.5 77.3





#79

Naphthalene

Concen: 7.925 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

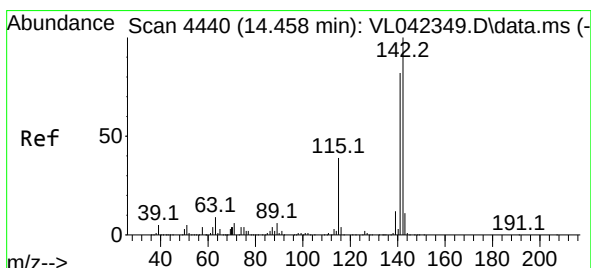
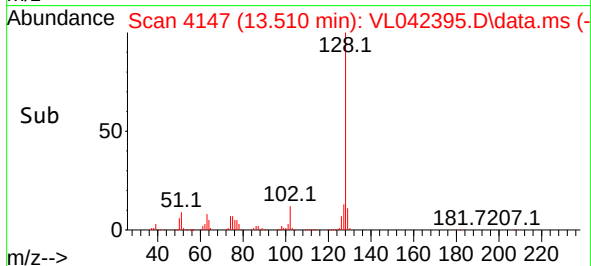
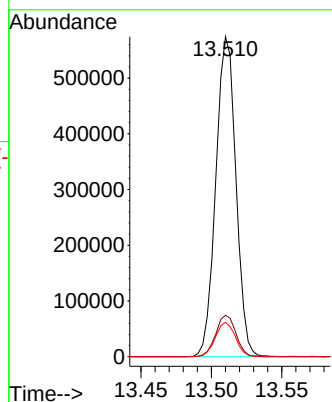
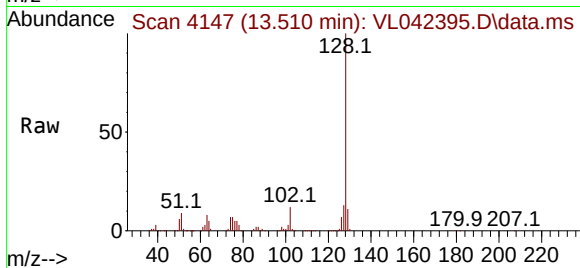
VSTDCCC010

Tgt Ion:128	Resp: 57059
Ion Ratio	Lower Upper
128 100	
127 12.9	10.6 15.8
129 10.8	8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#80

Naphthalene,2-methyl-

Concen: 7.412 ppbv

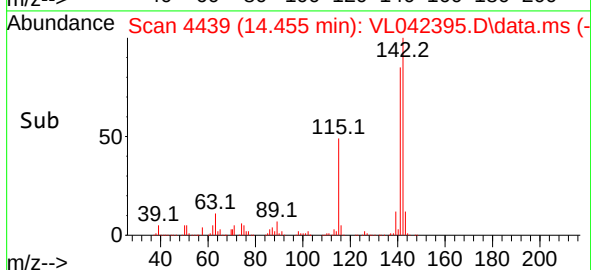
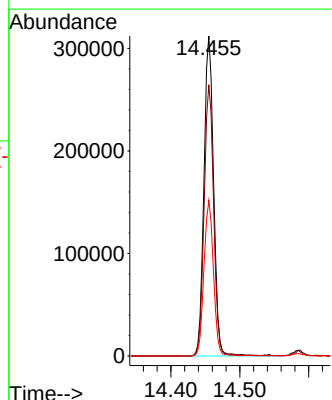
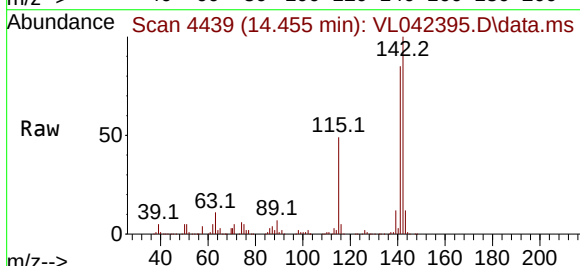
RT: 14.455 min Scan# 4439

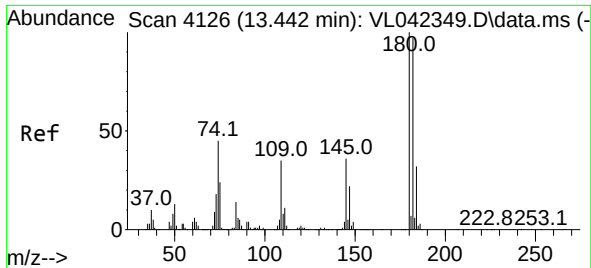
Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

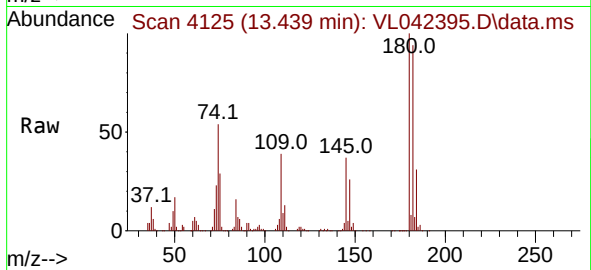
Tgt Ion:142	Resp: 304139
Ion Ratio	Lower Upper
142 100	
141 83.9	66.8 100.2
115 47.9	33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.112 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

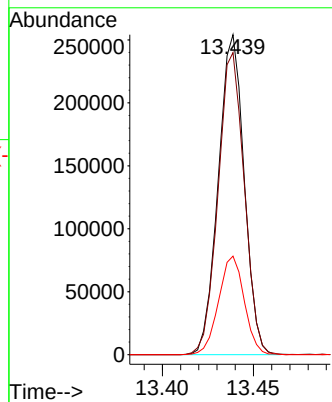
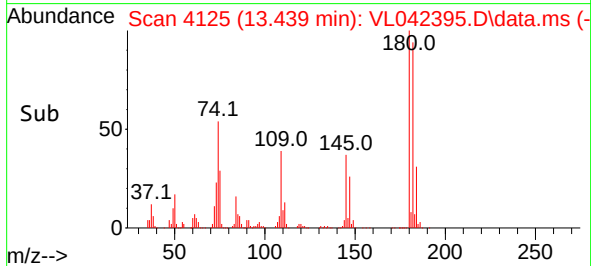
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 25080
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.8 115.2
 184 30.5 24.6 36.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	94	0.00
2 T	Dichlorodifluoromethane	1.767	1.812	-2.5	103	0.00
3	Chlorodifluoromethane	1.682	1.456	13.4	87	0.00
4	Chloromethane	0.699	0.661	5.4	96	0.00
5 T	Vinyl Chloride	0.761	0.665	12.6	98	0.00
6 T	Bromomethane	0.327	0.310	5.2	96	0.00
7	Chloroethane	0.275	0.270	1.8	101	0.00
8 T	Dichlorotetrafluoroethane	1.517	1.541	-1.6	101	0.00
9 T	Propene	0.766	0.569	25.7	78	0.00
10 T	Heptane	2.153	1.512	29.8	76	0.00
11 T	Trichlorofluoromethane	1.680	1.735	-3.3	104	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.374	1.307	4.9	96	0.00
13	Ethanol	0.122	0.038#	68.9#	102	0.00
14 T	Bromoethene	0.518	0.501	3.3	96	0.00
15 T	Acetone	1.637	1.420	13.3	106	0.00
16 T	1,3-Butadiene	0.783	0.686	12.4	99	0.00
17	tert-Butyl alcohol	2.029	1.870	7.8	98	0.00
18 T	1,1-Dichloroethene	0.642	0.593	7.6	96	0.00
19 T	Isopropyl Alcohol	0.909	0.830	8.7	95	0.00
20 T	Methylene Chloride	0.641	0.507	20.9	96	0.00
21 T	Allyl Chloride	1.130	1.024	9.4	99	0.00
22 T	trans-1,2-Dichloroethene	0.731	0.672	8.1	95	0.00
23 T	Vinyl Acetate	0.663	0.484	27.0	82	0.00
24 T	1,1-Dichloroethane	1.388	1.305	6.0	96	0.00
25 T	Ethyl Acetate	4.036	3.314	17.9	85	0.00
26 T	Hexane	1.633	1.272	22.1	84	0.00
27 T	Carbon Disulfide	1.749	1.689	3.4	96	0.00
28 T	Methyl tert-Butyl Ether	1.070	0.900	15.9	90	0.00
29 T	Chloroform	2.309	2.194	5.0	96	0.00
30 T	Cyclohexane	1.320	1.069	19.0	81	0.00
31 T	cis-1,2-Dichloroethene	1.553	1.406	9.5	91	0.00
32 T	1,1,1-Trichloroethane	2.599	2.413	7.2	100	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34 T	2-Butanone	0.791	0.658	16.8	87	0.00
35 T	Carbon Tetrachloride	0.905	0.870	3.9	103	0.00
36 T	Benzene	1.079	0.908	15.8	83	0.00
37 T	1,2-Dichloroethane	0.647	0.661	-2.2	102	0.00
38 T	Trichloroethene	0.471	0.368	21.9	85	0.00
39 T	1,2-Dichloropropane	0.402	0.322	19.9	80	0.00
40 T	1,4-Dioxane	0.221	0.161	27.1	81	0.00
41 T	Tetrahydrofuran	0.461	0.355	23.0	79	0.00
42 T	Bromodichloromethane	0.901	0.883	2.0	95	0.00
43	Methyl Methacrylate	0.486	0.373	23.3	79	0.00
44 T	2,2,4-Trimethylpentane	1.863	1.516	18.6	81	-0.01
45 T	t-1,3-Dichloropropene	0.497	0.427	14.1	85	0.00
46 T	cis-1,3-Dichloropropene	0.608	0.522	14.1	84	0.00
47 T	1,1,2-Trichloroethane	0.410	0.357	12.9	87	0.00
48 T	Dibromochloromethane	0.723	0.686	5.1	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.633	0.559	11.7	83	0.00
50 T	4-Methyl-2-Pentanone	1.314	0.961	26.9	81	0.00
51 T	2-Hexanone	1.179	0.777	34.1#	79	0.00
52 T	Tetrachloroethene	0.417	0.312	25.2	80	0.00
53 T	Toluene	1.294	1.062	17.9	81	0.00
54 T	1,2-Dibromoethane	0.586	0.507	13.5	86	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
56	1,1,1,2-Tetrachloroethane	0.605	0.573	5.3	92	0.00
57 T	Chlorobenzene	1.040	0.930	10.6	86	0.00
58 T	Ethyl Benzene	1.981	1.743	12.0	84	0.00
59 T	m/p-Xylene	1.596	1.426	10.7	86	0.00
60 T	o-Xylene	1.607	1.459	9.2	89	0.00
61 T	Styrene	0.767	0.649	15.4	79	0.00
62	Isopropylbenzene	2.360	2.105	10.8	85	0.00
63 T	1,1,2,2-Tetrachloroethane	1.042	0.842	19.2	85	0.00
64	n-propylbenzene	0.593	0.519	12.5	84	0.00
65	tert-Butylbenzene	2.169	1.920	11.5	88	0.00
66 T	Benzyl Chloride	0.238	0.192	19.3	69	0.00
67	sec-Butylbenzene	3.017	2.685	11.0	89	0.00
68 S	1-Bromo-4-Fluorobenzene	0.822	0.882	-7.3	93	0.00
69	p-Isopropyltoluene	2.621	2.303	12.1	88	0.00
70	n-Butylbenzene	2.730	2.423	11.2	90	0.00
71	2-Chlorotoluene	1.851	1.660	10.3	86	0.00
72 T	4-Ethyltoluene	1.965	1.755	10.7	87	0.00
73 T	1,3,5-Trimethylbenzene	1.735	1.518	12.5	88	0.00
74 T	1,2,4-Trimethylbenzene	2.026	1.690	16.6	89	0.00
75 T	1,3-Dichlorobenzene	1.053	0.888	15.7	82	0.00
76 T	1,4-Dichlorobenzene	1.059	0.894	15.6	83	0.00
77 T	1,2-Dichlorobenzene	1.024	0.875	14.6	85	0.00
78 T	Hexachloro-1,3-Butadiene	1.034	0.828	19.9	84	0.00
79 T	Naphthalene	2.423	1.920	20.8	84	0.00
80 T	Naphthalene,2-methyl-	1.381	1.023	25.9	81	0.00
81 T	1,2,4-Trichlorobenzene	1.040	0.844	18.8	82	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	94	0.00
2 T	Dichlorodifluoromethane	10.000	10.253	-2.5	103	0.00
3	Chlorodifluoromethane	10.000	8.652	13.5	87	0.00
4	Chloromethane	10.000	9.455	5.4	96	0.00
5 T	Vinyl Chloride	10.000	8.736	12.6	98	0.00
6 T	Bromomethane	10.000	9.484	5.2	96	0.00
7	Chloroethane	10.000	9.806	1.9	101	0.00
8 T	Dichlorotetrafluoroethane	10.000	10.155	-1.5	101	0.00
9 T	Propene	10.000	7.422	25.8	78	0.00
10 T	Heptane	10.000	7.026	29.7	76	0.00
11 T	Trichlorofluoromethane	10.000	10.328	-3.3	104	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.515	4.8	96	0.00
13	Ethanol	10.000	3.130	68.7#	102	0.00
14 T	Bromoethene	10.000	9.680	3.2	96	0.00
15 T	Acetone	10.000	8.675	13.2	106	0.00
16 T	1,3-Butadiene	10.000	8.762	12.4	99	0.00
17	tert-Butyl alcohol	10.000	9.218	7.8	98	0.00
18 T	1,1-Dichloroethene	10.000	9.244	7.6	96	0.00
19 T	Isopropyl Alcohol	10.000	9.126	8.7	95	0.00
20 T	Methylene Chloride	10.000	7.915	20.8	96	0.00
21 T	Allyl Chloride	10.000	9.056	9.4	99	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.192	8.1	95	0.00
23 T	Vinyl Acetate	10.000	7.306	26.9	82	0.00
24 T	1,1-Dichloroethane	10.000	9.405	6.0	96	0.00
25 T	Ethyl Acetate	10.000	8.211	17.9	85	0.00
26 T	Hexane	10.000	7.789	22.1	84	0.00
27 T	Carbon Disulfide	10.000	9.658	3.4	96	0.00
28 T	Methyl tert-Butyl Ether	10.000	8.414	15.9	90	0.00
29 T	Chloroform	10.000	9.502	5.0	96	0.00
30 T	Cyclohexane	10.000	8.095	19.0	81	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.051	9.5	91	0.00
32 T	1,1,1-Trichloroethane	10.000	9.284	7.2	100	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34 T	2-Butanone	10.000	8.316	16.8	87	0.00
35 T	Carbon Tetrachloride	10.000	9.614	3.9	103	0.00
36 T	Benzene	10.000	8.420	15.8	83	0.00
37 T	1,2-Dichloroethane	10.000	10.206	-2.1	102	0.00
38 T	Trichloroethene	10.000	7.804	22.0	85	0.00
39 T	1,2-Dichloropropane	10.000	8.018	19.8	80	0.00
40 T	1,4-Dioxane	10.000	7.286	27.1	81	0.00
41 T	Tetrahydrofuran	10.000	7.701	23.0	79	0.00
42 T	Bromodichloromethane	10.000	9.800	2.0	95	0.00
43	Methyl Methacrylate	10.000	7.667	23.3	79	0.00
44 T	2,2,4-Trimethylpentane	10.000	8.138	18.6	81	-0.01
45 T	t-1,3-Dichloropropene	10.000	8.596	14.0	85	0.00
46 T	cis-1,3-Dichloropropene	10.000	8.595	14.0	84	0.00
47 T	1,1,2-Trichloroethane	10.000	8.711	12.9	87	0.00
48 T	Dibromochloromethane	10.000	9.476	5.2	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	Bromoform	10.000	8.836	11.6	83	0.00
50 T	4-Methyl-2-Pentanone	10.000	7.314	26.9	81	0.00
51 T	2-Hexanone	10.000	6.590	34.1#	79	0.00
52 T	Tetrachloroethene	10.000	7.474	25.3	80	0.00
53 T	Toluene	10.000	8.206	17.9	81	0.00
54 T	1,2-Dibromoethane	10.000	8.654	13.5	86	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	88	0.00
56	1,1,1,2-Tetrachloroethane	10.000	9.468	5.3	92	0.00
57 T	Chlorobenzene	10.000	8.944	10.6	86	0.00
58 T	Ethyl Benzene	10.000	8.797	12.0	84	0.00
59 T	m/p-Xylene	20.000	17.868	10.7	86	0.00
60 T	o-Xylene	10.000	9.078	9.2	89	0.00
61 T	Styrene	10.000	8.454	15.5	79	0.00
62	Isopropylbenzene	10.000	8.920	10.8	85	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	8.085	19.1	85	0.00
64	n-propylbenzene	10.000	8.744	12.6	84	0.00
65	tert-Butylbenzene	10.000	8.853	11.5	88	0.00
66 T	Benzyl Chloride	10.000	8.061	19.4	69	0.00
67	sec-Butylbenzene	10.000	8.899	11.0	89	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	10.736	-7.4	93	0.00
69	p-Isopropyltoluene	10.000	8.789	12.1	88	0.00
70	n-Butylbenzene	10.000	8.877	11.2	90	0.00
71	2-Chlorotoluene	10.000	8.967	10.3	86	0.00
72 T	4-Ethyltoluene	10.000	8.929	10.7	87	0.00
73 T	1,3,5-Trimethylbenzene	10.000	8.752	12.5	88	0.00
74 T	1,2,4-Trimethylbenzene	10.000	8.340	16.6	89	0.00
75 T	1,3-Dichlorobenzene	10.000	8.436	15.6	82	0.00
76 T	1,4-Dichlorobenzene	10.000	8.445	15.5	83	0.00
77 T	1,2-Dichlorobenzene	10.000	8.548	14.5	85	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	8.002	20.0	84	0.00
79 T	Naphthalene	10.000	7.925	20.8	84	0.00
80 T	Naphthalene,2-methyl-	10.000	7.412	25.9	81	0.00
81 T	1,2,4-Trichlorobenzene	10.000	8.112	18.9	82	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



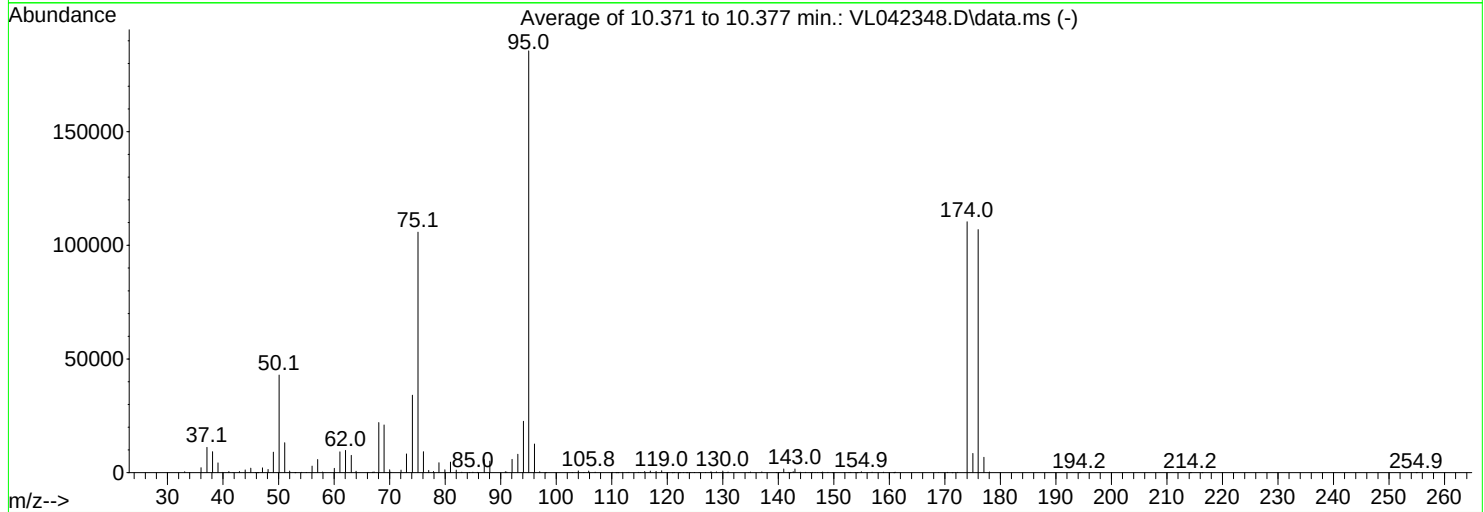
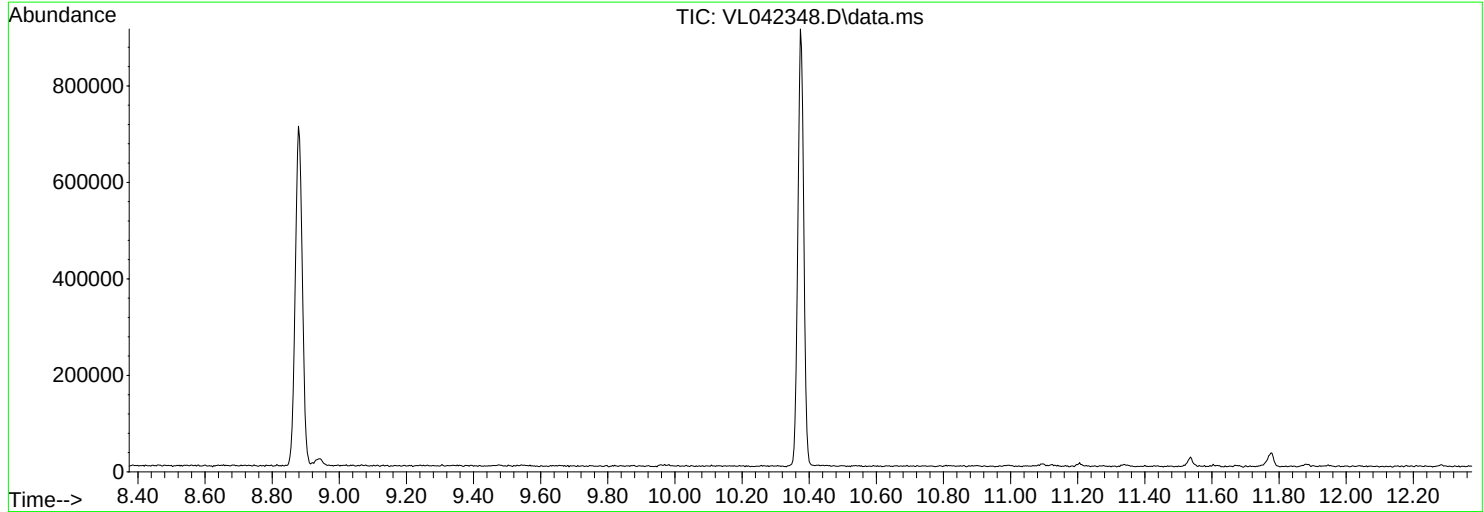
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042348.D
Acq On : 17 Apr 2025 07:50
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.1	42933	PASS
75	95	30	66	57.0	105781	PASS
95	95	100	100	100.0	185564	PASS
96	95	5	9	6.8	12627	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	59.5	110360	PASS
175	174	4	9	7.6	8420	PASS
176	174	93	101	96.9	106933	PASS
177	176	5	9	6.3	6744	PASS

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	400	45.00	1996	55.00	78	67.20	320
34.00	54	45.90	94	56.05	2900	68.05	2203
36.05	2214	46.20	34	57.05	5754	69.00	2101
37.10	11145	47.10	2100	57.95	265	70.00	130
38.10	9197	48.10	1438	60.05	1919	70.20	209
39.10	4289	49.05	9045	61.05	9155	72.05	1141
39.95	158	50.10	42933	62.05	9788	73.05	8240
41.05	513	51.10	13188	63.10	7593	74.10	34064
41.80	79	52.00	718	63.95	632	75.10	105781
42.95	504	52.95	9	66.10	115	76.10	9240
44.00	1207	54.15	112	66.90	196	77.05	979

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.90	494	90.85	447	105.00	95	115.95	528
78.90	4344	91.10	262	105.85	680	116.95	712
79.95	1296	92.05	5876	107.00	225	118.00	575
80.95	4648	93.10	8069	110.10	136	119.00	881
82.00	1107	94.10	22619	110.80	37	120.10	70
83.00	249	95.05	185564	111.10	8	120.90	30
84.40	55	96.10	12627	111.95	156	121.30	47
85.00	227	97.05	457	112.75	77	122.20	21
85.85	131	98.05	5	113.10	144	122.95	44
87.05	5767	102.90	78	114.80	135	123.50	25
88.05	5057	104.00	767	115.10	50	124.10	89

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
124.90	71	137.05	364	146.15	158	153.90	93
125.75	72	139.65	74	146.65	58	154.20	27
126.90	80	140.00	38	147.10	68	154.95	399
127.80	297	141.00	1612	147.70	38	156.90	228
128.00	275	141.80	139	148.00	288	158.95	203
128.85	366	142.10	34	148.95	115	160.80	26
130.00	693	142.70	434	149.80	37	161.05	186
130.80	55	143.00	1656	149.95	79	168.90	83
130.95	285	143.95	200	151.90	60	170.50	119
134.70	94	144.95	161	152.75	91	171.30	19
135.00	292	145.80	67	153.05	144	171.90	90

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.30	132						
174.00	110360						
175.05	8420						
176.00	106933						
177.05	6744						
178.05	298						
194.20	17						
214.20	17						
216.30	17						
254.90	17						

Instrument :

MSVOA_L

ClientSampleId :

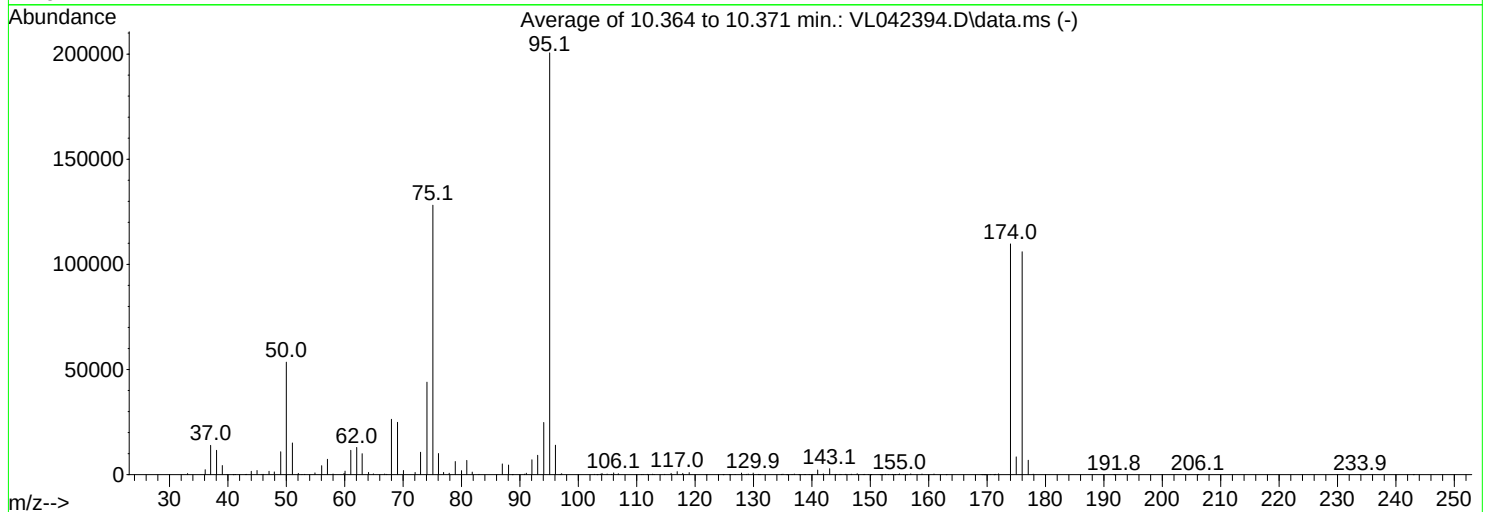
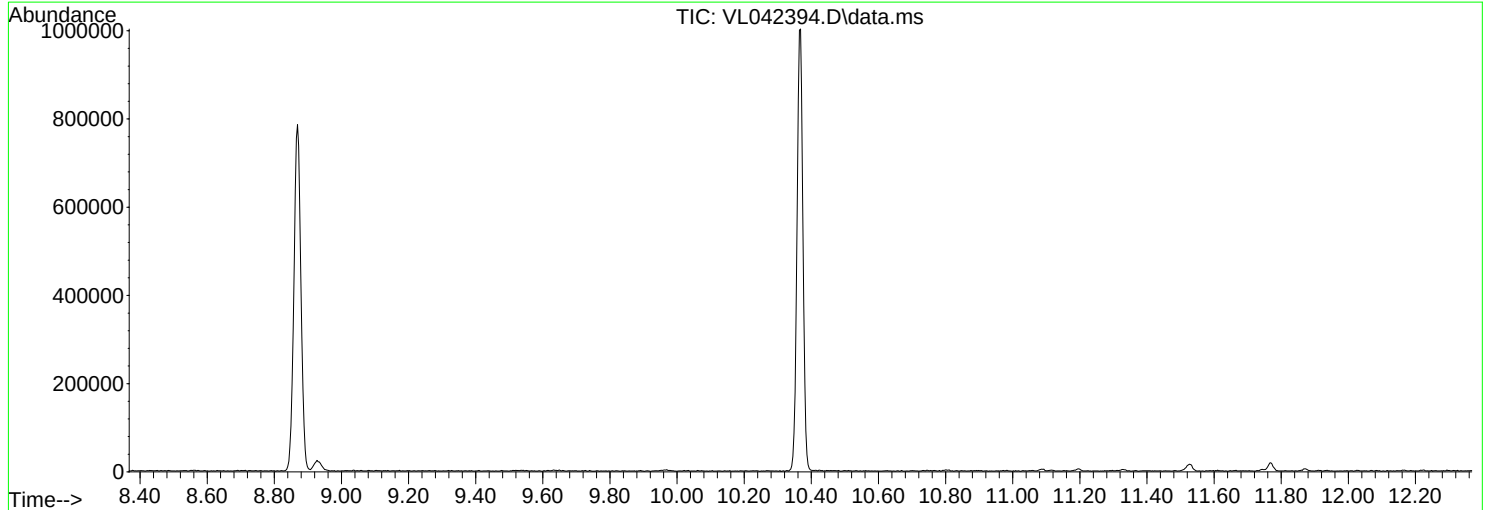
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042394.D
Acq On : 21 Apr 2025 07:58
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3175, 3176, 3177; Background Corrected with Scan 3159

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	26.7	53502	PASS
75	95	30	66	63.9	128181	PASS
95	95	100	100	100.0	200597	PASS
96	95	5	9	7.0	13990	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	54.7	109757	PASS
175	174	4	9	7.7	8464	PASS
176	174	93	101	96.6	106032	PASS
177	176	5	9	6.4	6826	PASS

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	518	45.00	2010	54.90	832	66.85	304
36.10	2394	45.85	194	56.05	4237	67.20	161
37.05	13953	46.10	197	57.05	7329	68.00	2631
38.05	11556	47.05	1570	58.00	328	69.05	2485
39.05	4320	47.95	1283	59.90	593	70.05	2000
39.90	57	49.05	10899	60.05	1702	72.05	1049
40.90	31	50.00	53502	61.05	11547	73.00	10643
41.30	48	51.05	15046	62.05	12934	74.10	44016
43.00	64	52.05	608	63.00	9941	75.10	128181
43.20	184	52.70	76	64.10	1108	76.05	10068
44.00	1632	53.15	138	64.90	355	76.95	1033

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.90	700	91.10	697	104.05	598	114.80	178
78.95	6226	92.05	7067	104.95	278	115.90	632
80.00	1878	93.05	9194	105.70	188	116.95	1450
80.90	6765	94.10	24813	106.05	831	117.90	579
81.85	1186	95.10	200597	106.85	467	119.00	1019
83.00	184	96.10	13990	109.95	82	121.90	17
86.05	106	96.90	128	110.85	113	124.00	56
87.00	5101	97.15	433	111.10	91	124.80	25
88.05	4600	102.75	176	111.85	167	125.90	42
88.70	40	103.20	26	112.75	225	126.85	64
90.80	235	103.80	263	113.00	54	127.95	770

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
128.80	183	137.80	21	145.00	70	152.60	135
129.10	275	138.70	105	145.70	127	153.10	56
129.95	780	138.90	54	145.85	120	153.80	154
130.85	125	139.55	52	146.75	211	154.20	31
131.00	55	140.05	163	147.75	498	154.80	81
131.20	65	141.00	2199	148.80	55	155.00	397
134.80	172	141.95	402	149.05	129	155.70	99
135.05	261	143.05	2809	149.65	112	156.20	25
135.70	20	144.00	151	150.10	20	156.95	371
136.60	73	144.20	61	151.70	27	158.85	322
137.00	333	144.80	162	152.00	33	160.90	347

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
163.00	37	176.00	106032				
169.00	59	177.05	6826				
169.20	38	177.90	242				
169.50	29	191.75	41				
169.70	25	206.10	24				
170.65	116	233.90	67				
171.20	28	243.00	24				
171.45	164						
171.95	381						
174.00	109757						
175.00	8464						

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	82-64 Austin St, Kew Gardens NY	Date Received:	
Client Sample ID:	VL0421ABL01	SDG No.:	Q1843
Lab Sample ID:	VL0421ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042396.D	1		04/21/25 09:28	VL042125

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
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	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	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	120000			2.784		
540-36-3	1,4-Difluorobenzene	342000			3.952		
3114-55-4	Chlorobenzene-d5	294000			8.878		

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\VL042125\
 Data File : VL042396.D
 Acq On : 21 Apr 2025 09:28
 Operator : SY/MD
 Sample : VL0421ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABL01

Quant Time: Apr 22 02:50:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	120411	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	341628	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	293743	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	252683	10.468	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.700%

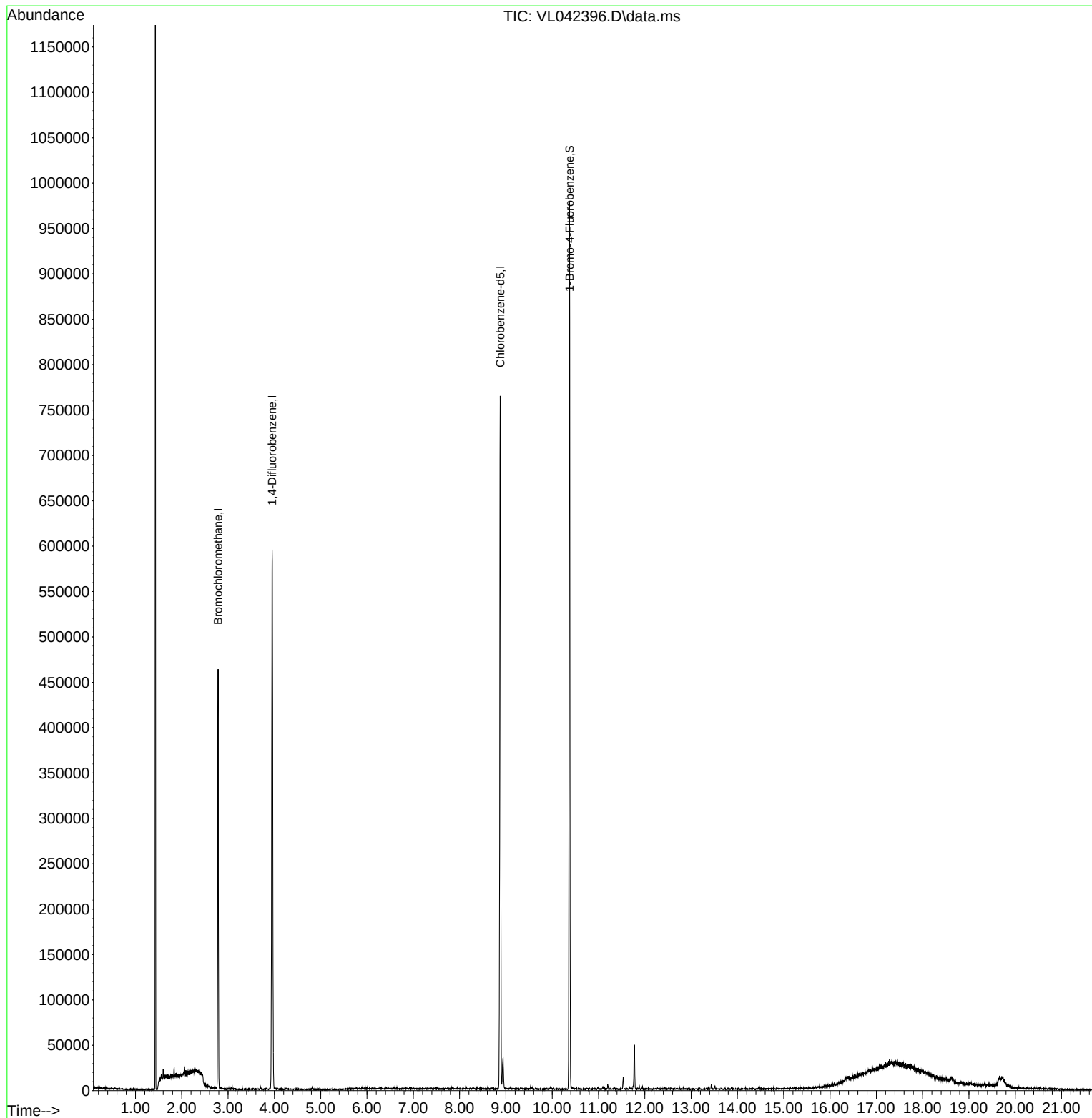
Target Compounds	Qvalue

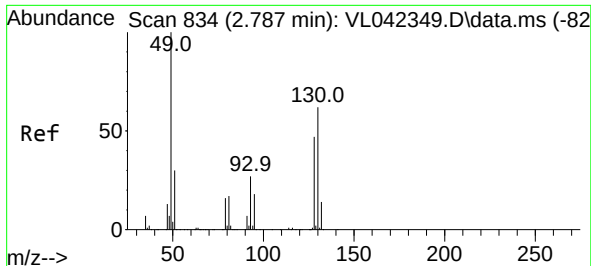
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042396.D
Acq On : 21 Apr 2025 09:28
Operator : SY/MD
Sample : VL0421ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

Quant Time: Apr 22 02:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

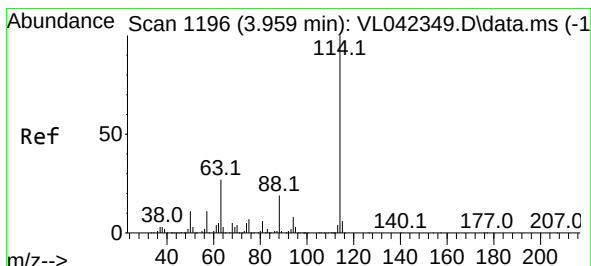
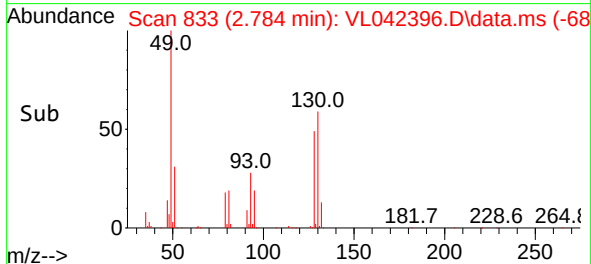
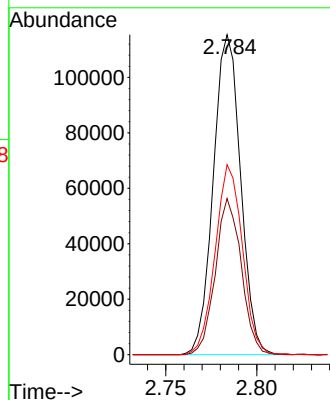
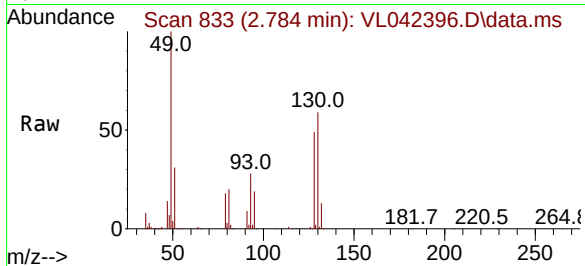




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

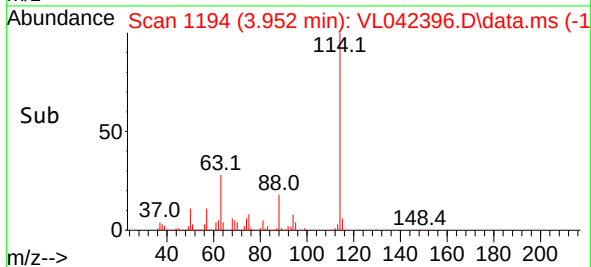
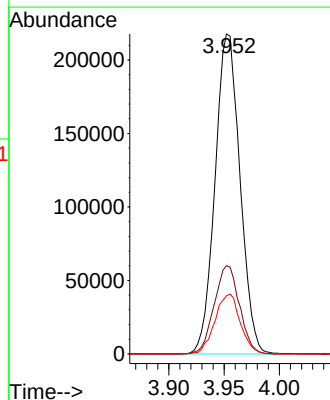
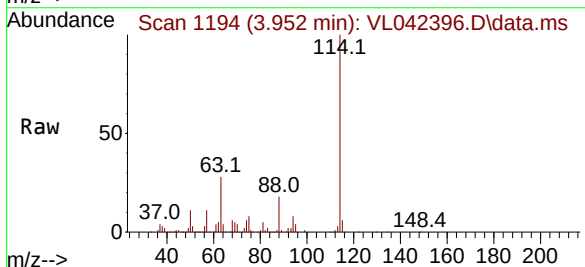
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

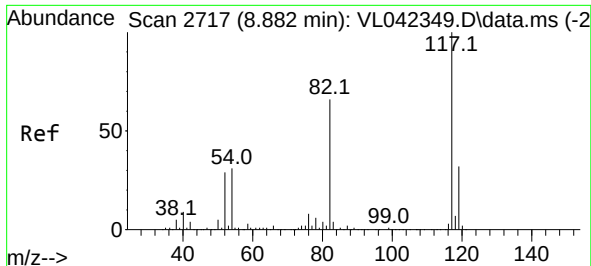
Tgt Ion: 49 Resp: 120411
Ion Ratio Lower Upper
49 100
128 46.4 22.8 68.4
130 59.3 29.3 88.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.007 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion: 114 Resp: 341628
Ion Ratio Lower Upper
114 100
63 27.9 21.8 32.6
88 19.0 15.5 23.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042396.D

Acq: 21 Apr 2025 09:28

Instrument :

MSVOA_1

ClientSampleId :

VL0421ABL01

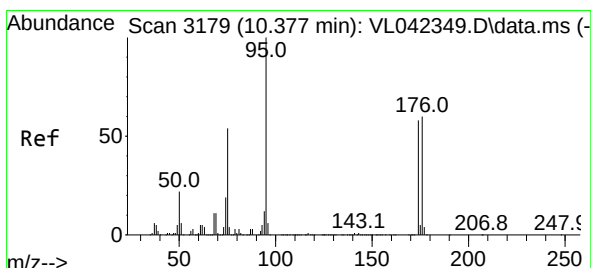
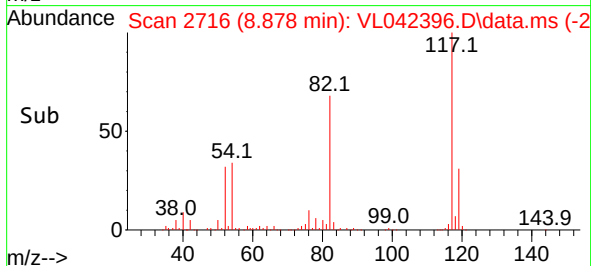
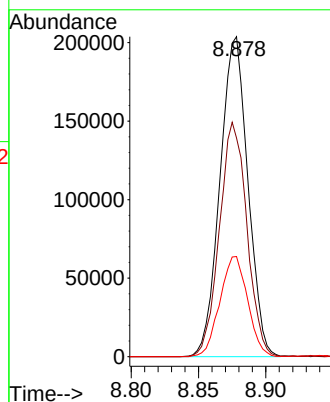
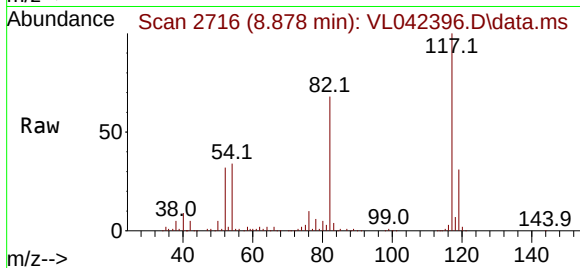
Tgt Ion:117 Resp: 293743

Ion Ratio Lower Upper

117 100

82 72.2 57.8 86.6

119 31.3 25.2 37.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.468 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042396.D

Acq: 21 Apr 2025 09:28

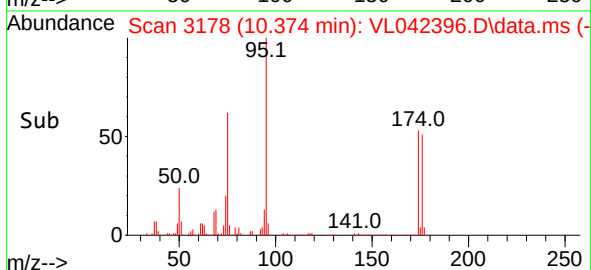
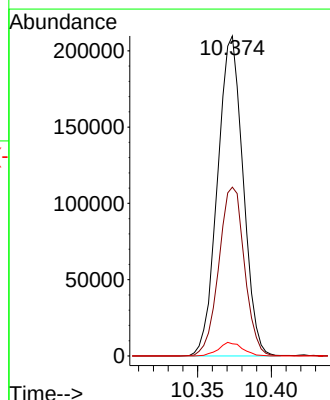
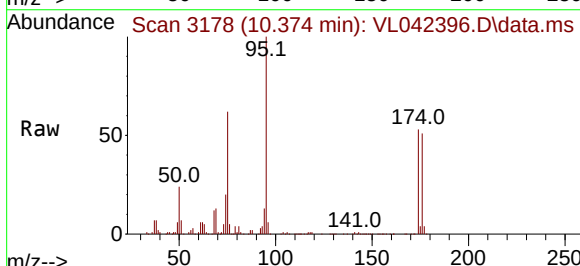
Tgt Ion: 95 Resp: 252683

Ion Ratio Lower Upper

95 100

174 53.1 48.5 72.7

175 4.0 3.7 5.5



Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	82-64 Austin St, Kew Gardens NY	Date Received:	
Client Sample ID:	VL0421ABS01	SDG No.:	Q1843
Lab Sample ID:	VL0421ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042397.D	1		04/21/25 10:14	VL042125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	8.60	22.0		0.030	0.080	ug/m3
75-34-3	1,1-Dichloroethane	9.60	38.9		0.53	2.02	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.10	36.1		0.36	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	9.30	50.7		0.050	0.16	ug/m3
79-01-6	Trichloroethene	7.80	41.9		0.11	0.16	ug/m3
127-18-4	Tetrachloroethene	7.40	50.2		0.14	0.20	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135	108%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	118000			2.781		
540-36-3	1,4-Difluorobenzene	338000			3.949		
3114-55-4	Chlorobenzene-d5	294000			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\VL042125\
 Data File : VL042397.D
 Acq On : 21 Apr 2025 10:14
 Operator : SY/MD
 Sample : VL0421ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:51:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	118401	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	337921	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	293537	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 260048 10.781 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	212503	10.158	ppbv	98
3) Chlorodifluoromethane	1.473	51	175535	8.812	ppbv	95
4) Chloromethane	1.531	50	79791	9.638	ppbv	94
5) Vinyl Chloride	1.577	62	77905	8.645	ppbv	97
6) Bromomethane	1.664	94	35087	9.064	ppbv	87
7) Chloroethane	1.700	64	30814	9.455	ppbv	96
8) Dichlorotetrafluoroethane	1.551	85	182258	10.147	ppbv	94
9) Propene	1.480	41	69080	7.615	ppbv	97
10) Heptane	4.969	43	187072	7.340	ppbv	99
11) Trichlorofluoromethane	1.875	101	205641	10.337	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	156363	9.613	ppbv	98
13) Ethanol	1.716	45	4602	3.192	ppbv	92
14) Bromoethene	1.777	108	58938	9.613	ppbv	98
15) Acetone	1.832	43	168065	8.671	ppbv	98
16) 1,3-Butadiene	1.606	39	83577	9.015	ppbv	92
17) tert-Butyl alcohol	2.036	59	216440	9.011	ppbv	100
18) 1,1-Dichloroethene	2.030	96	71097	9.356	ppbv	95
19) Isopropyl Alcohol	1.881	45	96437	8.956	ppbv	93
20) Methylene Chloride	2.056	84	60417	7.959	ppbv	89
21) Allyl Chloride	2.091	41	122313	9.140	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	78976	9.128	ppbv	98
23) Vinyl Acetate	2.457	43	54610	6.961	ppbv #	96
24) 1,1-Dichloroethane	2.402	63	157093	9.559	ppbv	99
25) Ethyl Acetate	2.829	43	393203	8.228	ppbv	99
26) Hexane	2.820	57	151103	7.813	ppbv	99
27) Carbon Disulfide	2.146	76	194719	9.404	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	108007	8.524	ppbv	93
29) Chloroform	2.842	83	262639	9.608	ppbv	98
30) Cyclohexane	3.846	84	133153	8.517	ppbv	98
31) cis-1,2-Dichloroethene	2.713	61	166447	9.052	ppbv	95
32) 1,1,1-Trichloroethane	3.360	97	285156	9.266	ppbv	98
34) 2-Butanone	2.554	43	220966	8.268	ppbv	98
35) Carbon Tetrachloride	3.755	117	291941	9.546	ppbv	95
36) Benzene	3.648	78	312290	8.568	ppbv	97
37) 1,2-Dichloroethane	3.211	62	225346	10.301	ppbv #	96
38) Trichloroethene	4.542	130	123977	7.783	ppbv	98
39) 1,2-Dichloropropane	4.305	63	112058	8.250	ppbv #	90
40) 1,4-Dioxane	4.571	88	55511	7.437	ppbv #	93
41) Tetrahydrofuran	3.046	42	121497	7.797	ppbv	99
42) Bromodichloromethane	4.480	83	294127	9.661	ppbv	98
43) Methyl Methacrylate	4.872	69	125779	7.657	ppbv	93
44) 2,2,4-Trimethylpentane	4.629	57	508984	8.085	ppbv	95
45) t-1,3-Dichloropropene	6.399	75	142114	8.469	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042397.D
 Acq On : 21 Apr 2025 10:14
 Operator : SY/MD
 Sample : VL0421ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:51:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

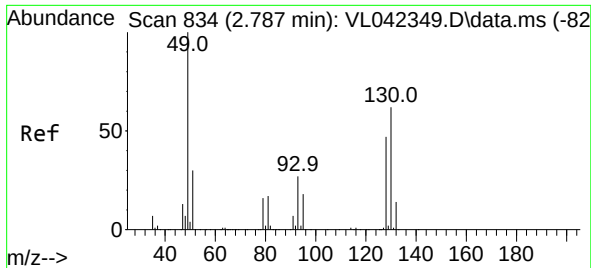
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	171445	8.348	ppbv #	84
47) 1,1,2-Trichloroethane	6.574	97	124092	8.967	ppbv	95
48) Dibromochloromethane	7.377	129	225553	9.226	ppbv	99
49) Bromoform	9.474	173	188764	8.830	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	318982	7.182	ppbv	99
51) 2-Hexanone	7.429	43	266951	6.702	ppbv #	95
52) Tetrachloroethene	8.222	164	104899	7.446	ppbv	97
53) Toluene	6.920	91	361443	8.264	ppbv	99
54) 1,2-Dibromoethane	7.645	107	175799	8.877	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.917	131	169656	9.550	ppbv	97
57) Chlorobenzene	8.914	112	270733	8.868	ppbv	98
58) Ethyl Benzene	9.348	91	524070	9.011	ppbv	100
59) m/p-Xylene	9.545	91	852193m	18.189	ppbv	
60) o-Xylene	9.956	91	433062	9.179	ppbv	97
61) Styrene	9.866	104	194756	8.648	ppbv	98
62) Isopropylbenzene	10.533	105	641535	9.262	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	257428	8.420	ppbv	99
64) n-propylbenzene	10.982	120	155343	8.922	ppbv	96
65) tert-Butylbenzene	11.526	119	573929	9.015	ppbv	96
66) Benzyl Chloride	11.610	91	51025	7.294	ppbv	97
67) sec-Butylbenzene	11.762	105	802355	9.061	ppbv	99
69) p-Isopropyltoluene	11.921	119	685449	8.910	ppbv	97
70) n-Butylbenzene	12.277	91	723138	9.025	ppbv	98
71) 2-Chlorotoluene	10.895	91	500409	9.211	ppbv	97
72) 4-Ethyltoluene	11.122	105	519236	9.002	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	456404	8.963	ppbv	96
74) 1,2,4-Trimethylbenzene	11.533	105	509154	8.561	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	267483	8.652	ppbv	98
76) 1,4-Dichlorobenzene	11.669	146	267283	8.602	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	261316	8.693	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	259140	8.537	ppbv	99
79) Naphthalene	13.510	128	584987	8.225	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	300148	7.405	ppbv	96
81) 1,2,4-Trichlorobenzene	13.436	180	258107	8.452	ppbv	99

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



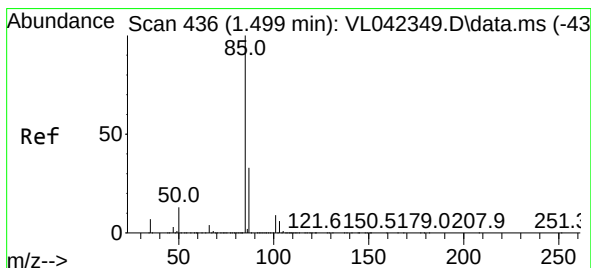
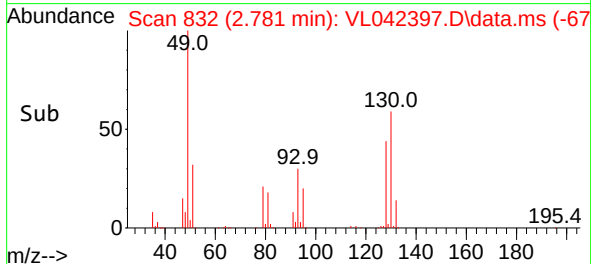
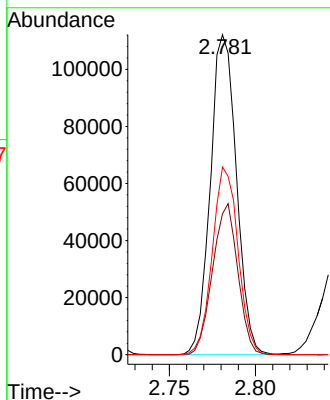
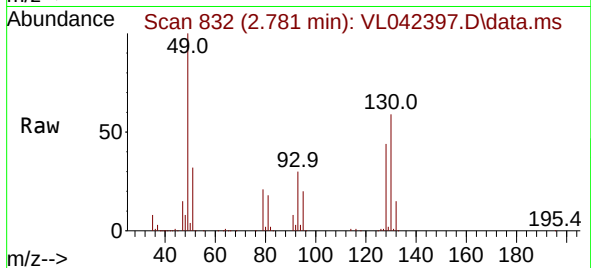
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Tgt Ion: 49 Resp: 11840
Ion Ratio Lower Upper
49 100
128 45.6 22.8 68.4
130 57.7 29.3 88.0

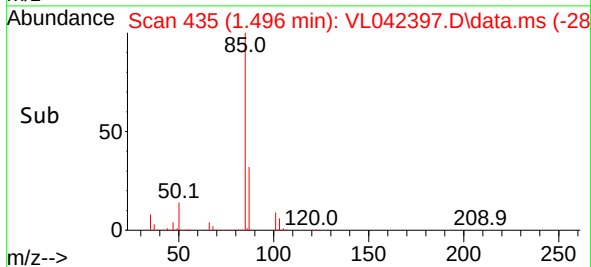
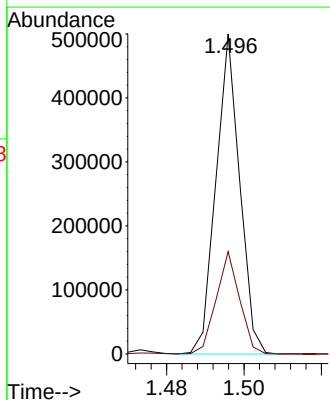
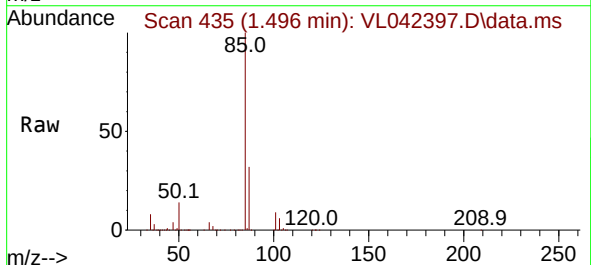
Manual Integrations
APPROVED

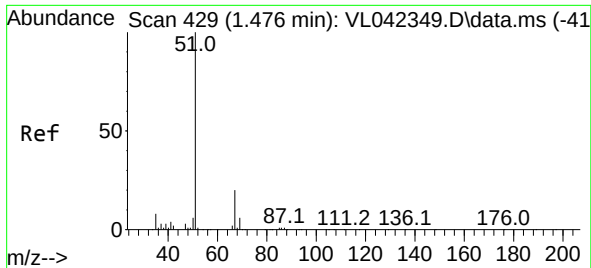
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#2
Dichlorodifluoromethane
Concen: 10.158 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 85 Resp: 212503
Ion Ratio Lower Upper
85 100
87 32.0 26.6 39.8





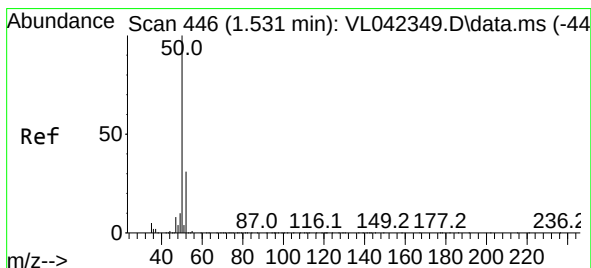
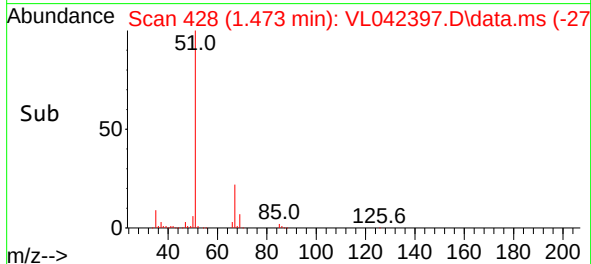
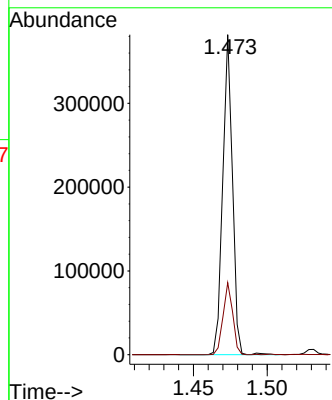
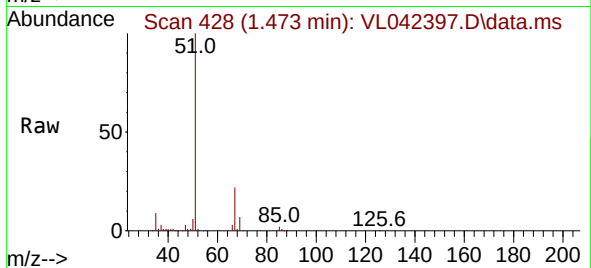
#3
Chlorodifluoromethane
Concen: 8.812 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Tgt Ion: 51 Resp: 17553
Ion Ratio Lower Upper
51 100
67 22.5 16.2 24.4

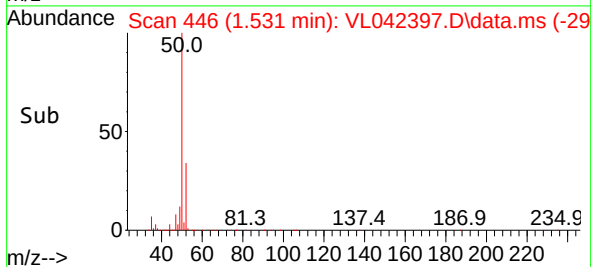
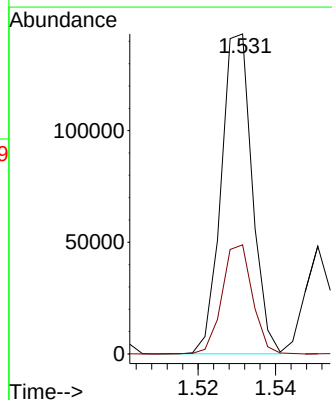
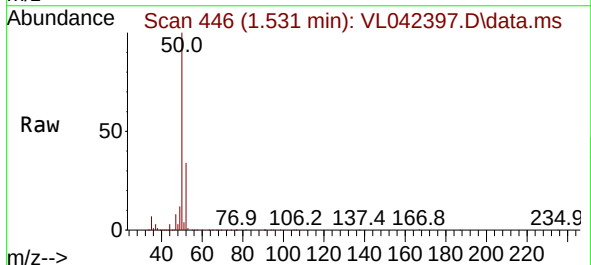
Manual Integrations
APPROVED

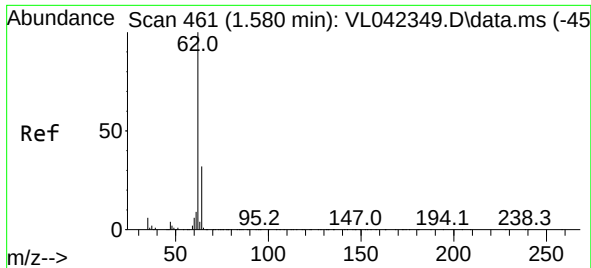
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#4
Chloromethane
Concen: 9.638 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 50 Resp: 79791
Ion Ratio Lower Upper
50 100
52 34.0 24.7 37.1





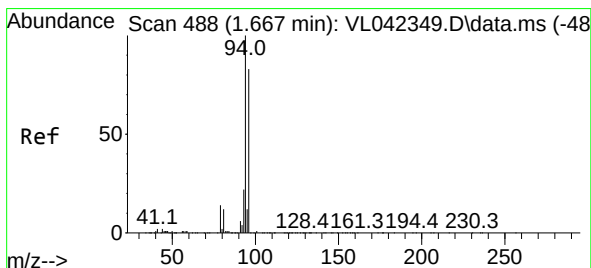
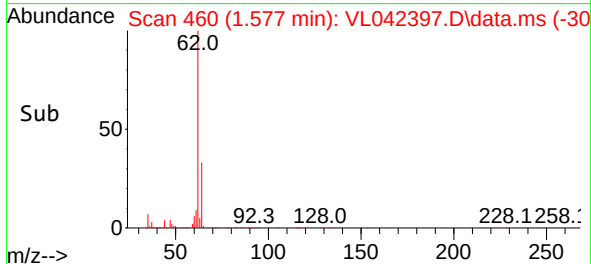
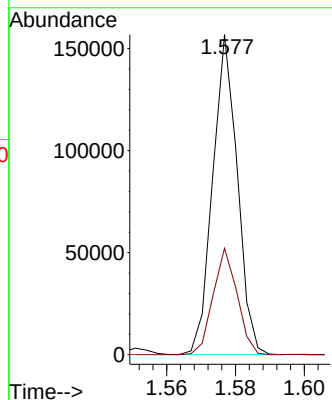
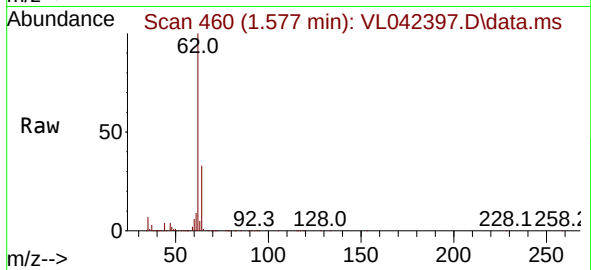
#5
 Vinyl Chloride
 Concen: 8.645 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

Tgt Ion: 62 Resp: 77905
 Ion Ratio Lower Upper
 62 100
 64 33.3 25.4 38.0

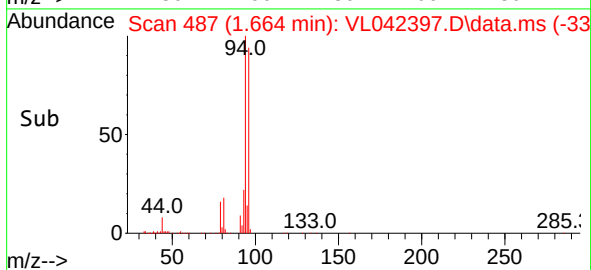
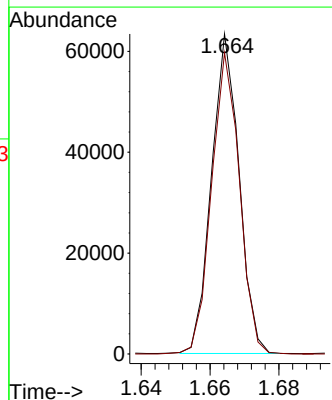
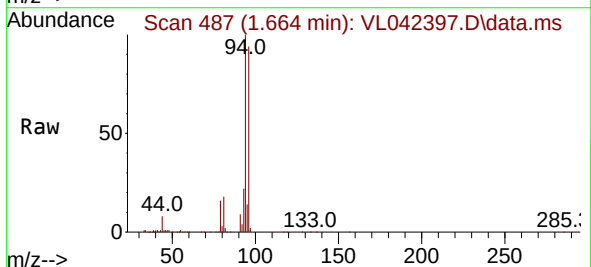
Manual Integrations
 APPROVED

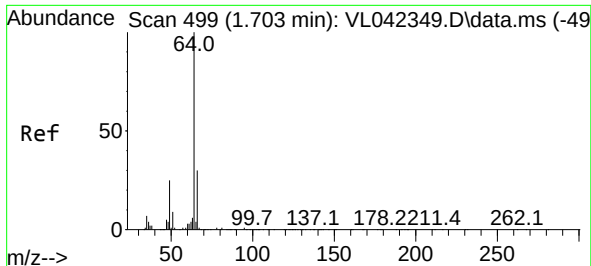
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#6
 Bromomethane
 Concen: 9.064 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

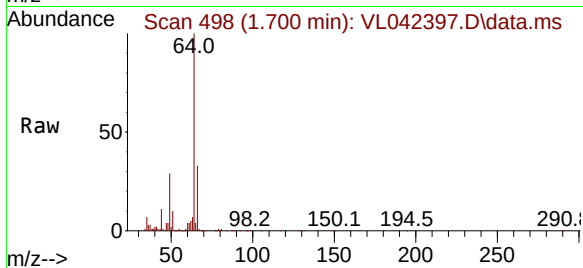
Tgt Ion: 94 Resp: 35087
 Ion Ratio Lower Upper
 94 100
 96 94.0 66.2 99.2





#7
Chloroethane
Concen: 9.455 ppbv
RT: 1.700 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

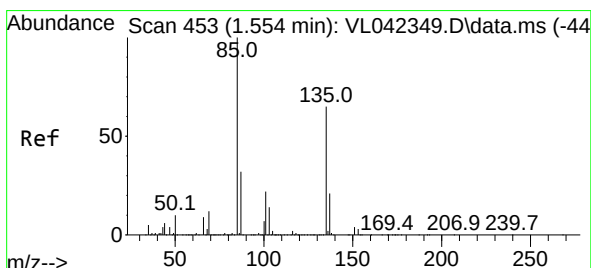
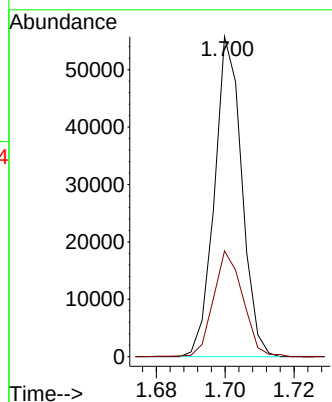
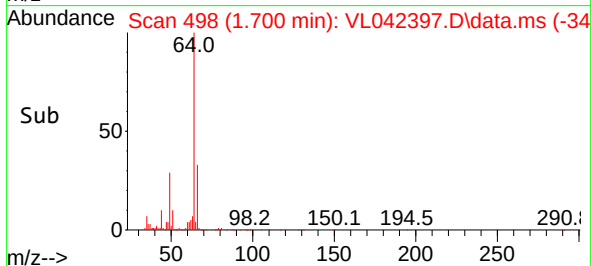
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion: 64 Resp: 30814
Ion Ratio Lower Upper
64 100
66 33.0 24.6 37.0

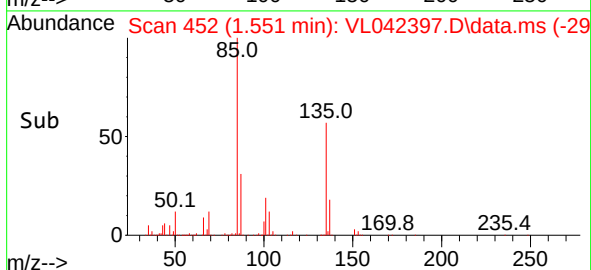
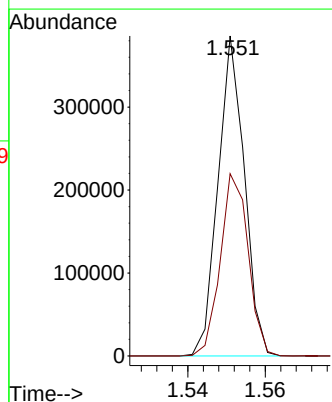
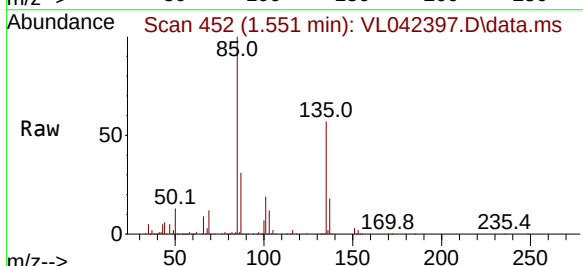
Manual Integrations
APPROVED

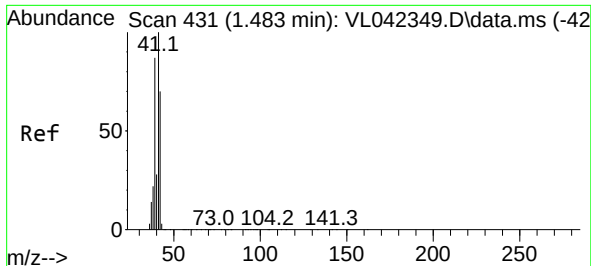
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#8
Dichlorotetrafluoroethane
Concen: 10.147 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 85 Resp: 182258
Ion Ratio Lower Upper
85 100
135 60.4 52.2 78.2





#9

Propene

Concen: 7.615 ppbv

RT: 1.480 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

Tgt Ion: 41 Resp: 69080

Ion Ratio Lower Upper

41 100

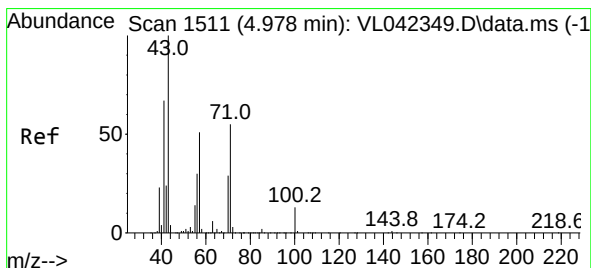
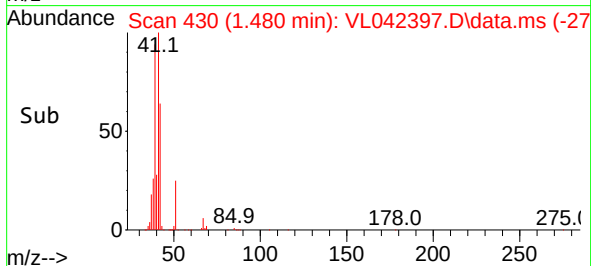
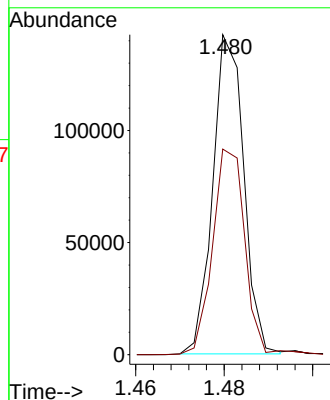
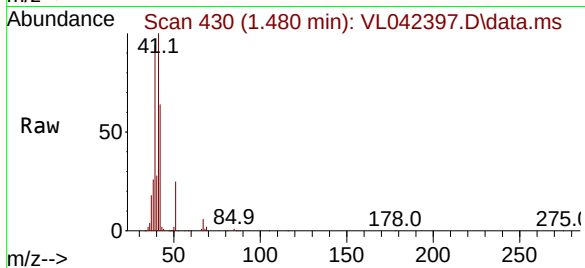
42 68.1 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#10

Heptane

Concen: 7.340 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. -0.009 min

Lab File: VL042397.D

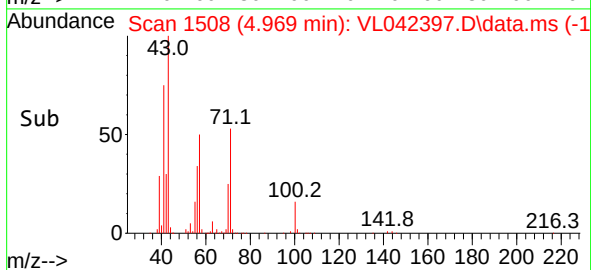
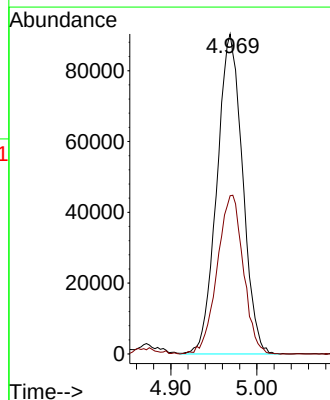
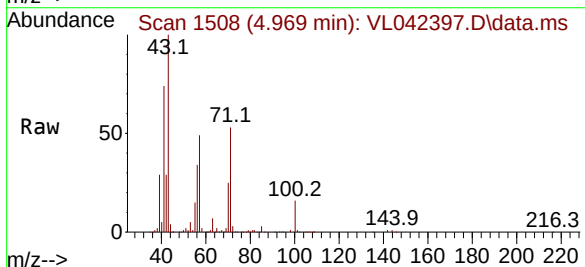
Acq: 21 Apr 2025 10:14

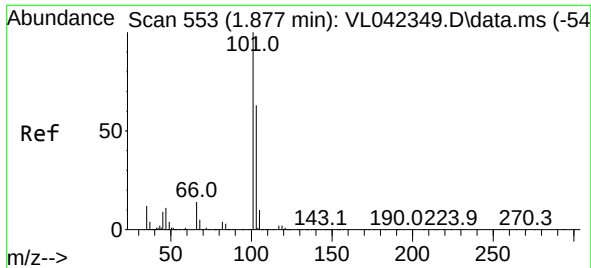
Tgt Ion: 43 Resp: 187072

Ion Ratio Lower Upper

43 100

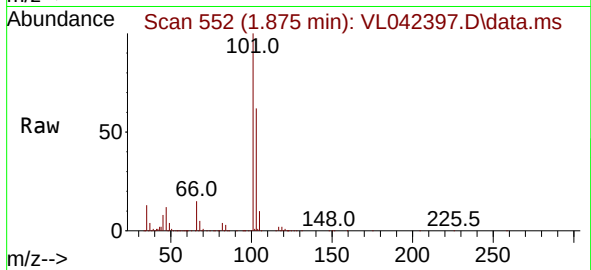
57 50.5 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 10.337 ppbv
 RT: 1.875 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

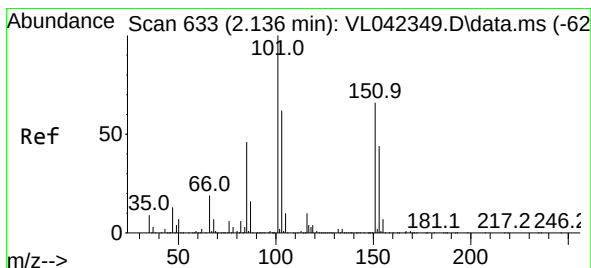
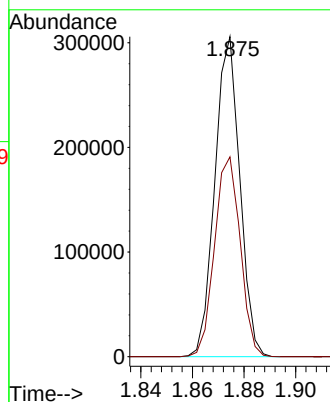
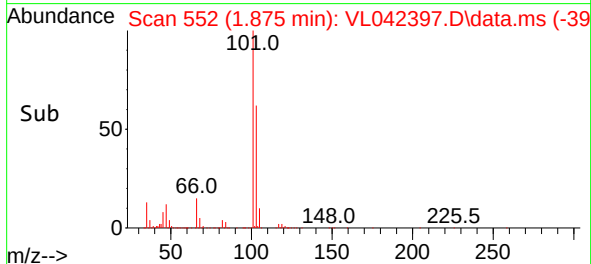
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01



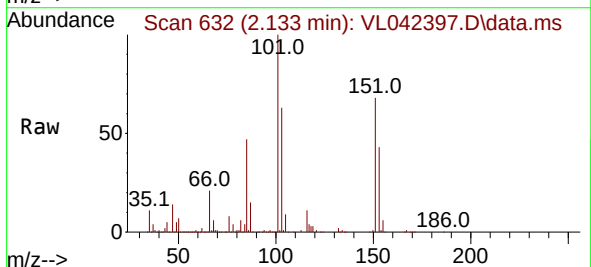
Tgt Ion:101 Resp: 20564
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.1 75.1

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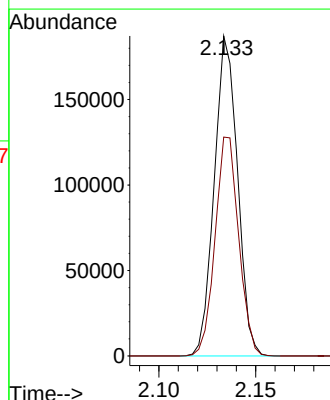
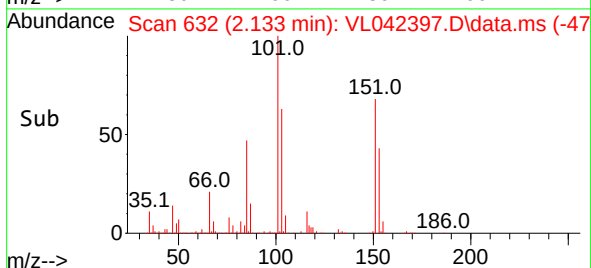
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

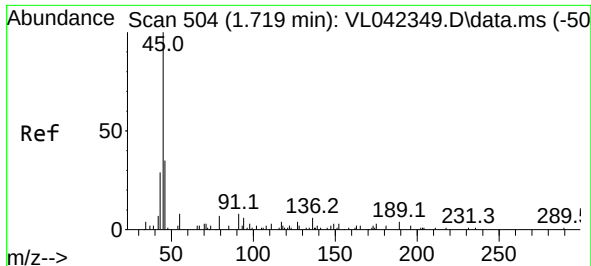


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.613 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14



Tgt Ion:101 Resp: 156363
 Ion Ratio Lower Upper
 101 100
 151 69.6 57.0 85.6





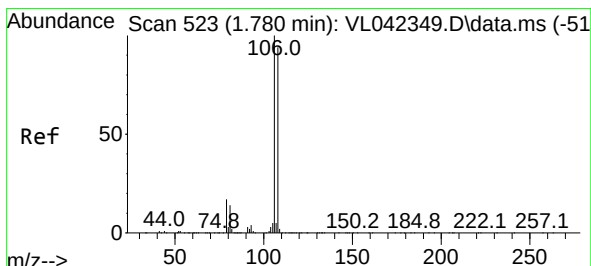
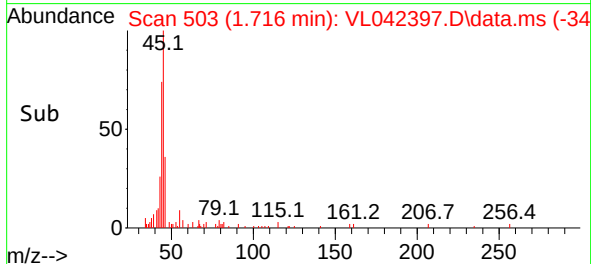
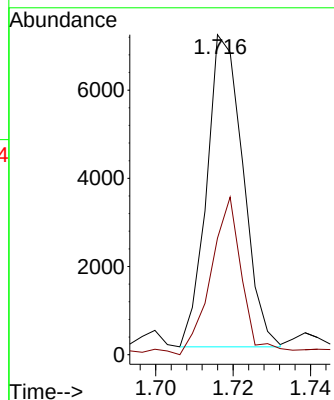
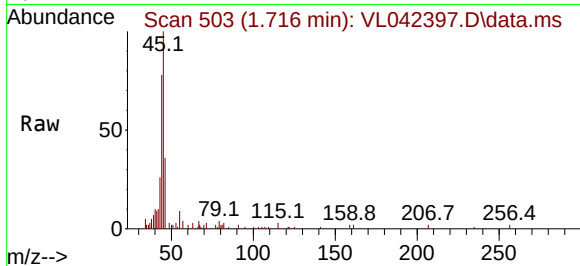
#13
Ethanol
Concen: 3.192 ppbv
RT: 1.716 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Tgt Ion: 45 Resp: 4602
Ion Ratio Lower Upper
45 100
46 49.1 21.9 87.7

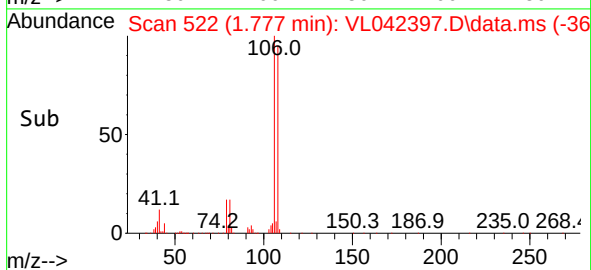
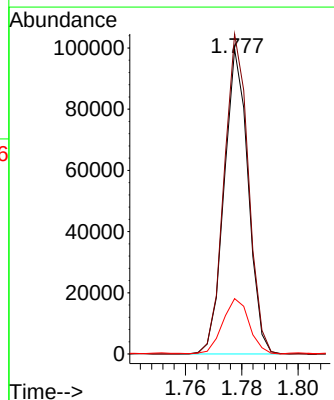
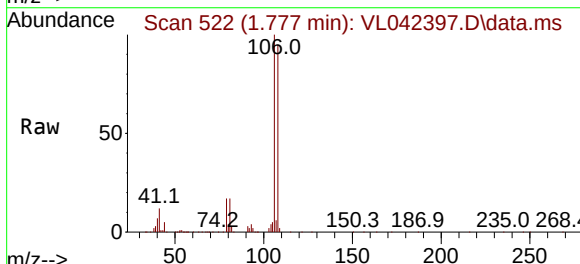
Manual Integrations
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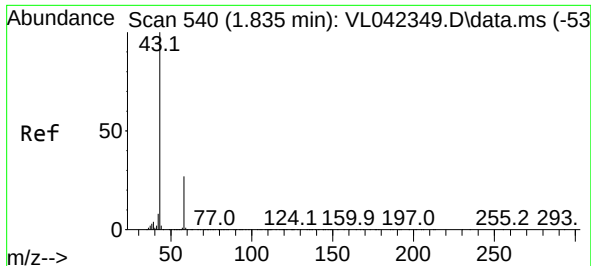
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#14
Bromoethene
Concen: 9.613 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

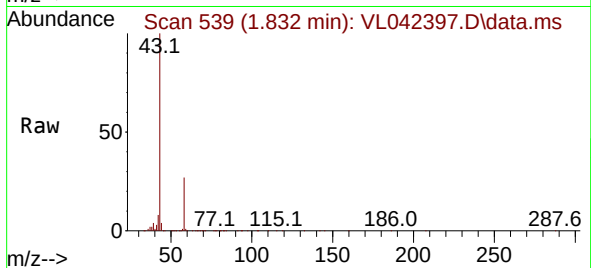
Tgt Ion:108 Resp: 58938
Ion Ratio Lower Upper
108 100
106 106.1 85.9 128.9
79 20.4 13.9 20.9





#15
Acetone
Concen: 8.671 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

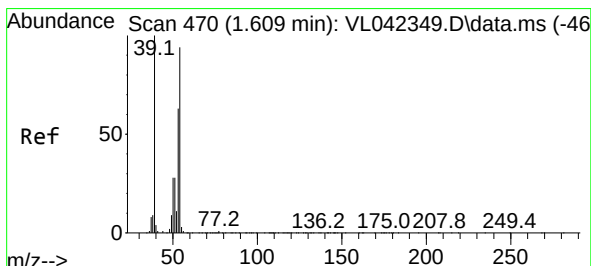
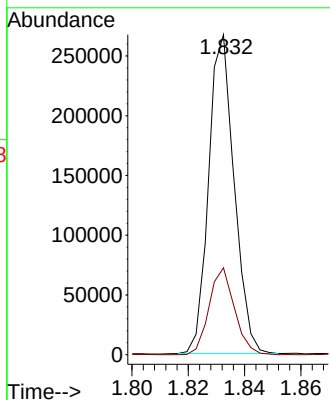
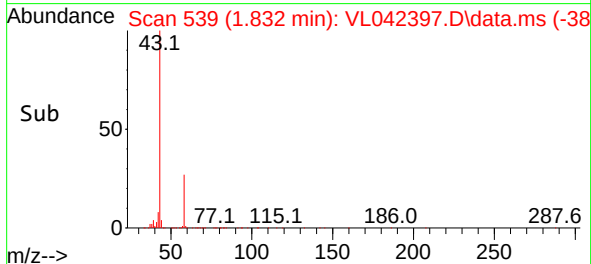
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
58 27.2 22.4 33.6

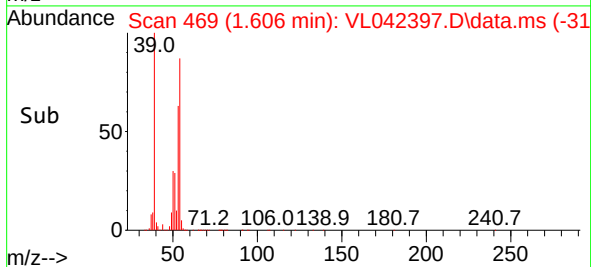
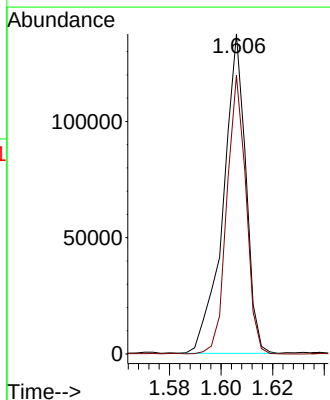
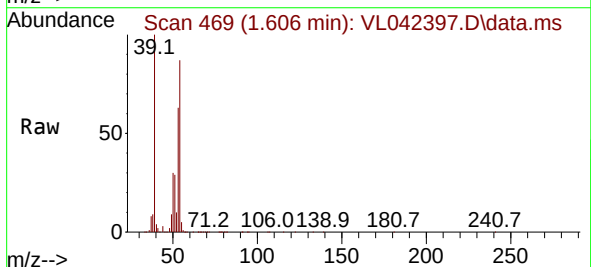
Manual Integrations
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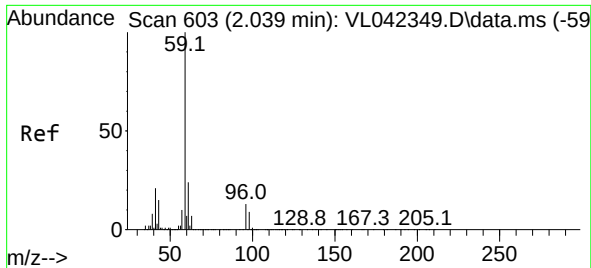
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#16
1,3-Butadiene
Concen: 9.015 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 39 Resp: 83577
Ion Ratio Lower Upper
39 100
54 74.2 64.9 97.3





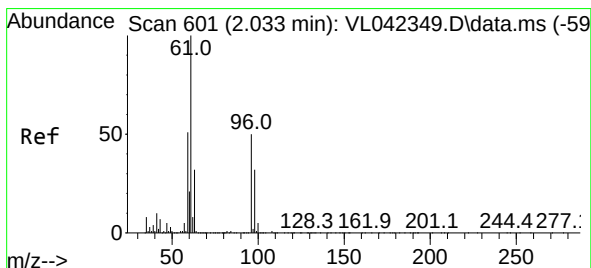
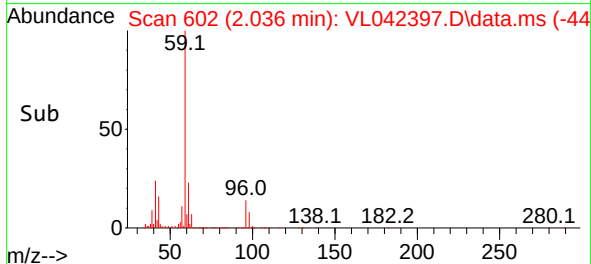
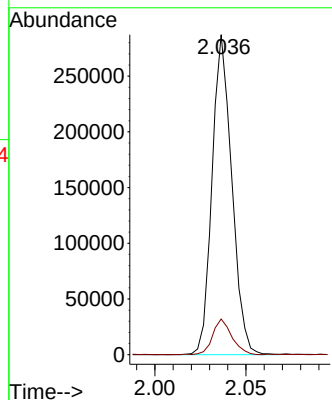
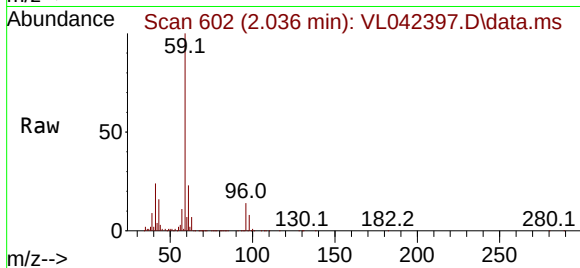
#17
tert-Butyl alcohol
Concen: 9.011 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Tgt Ion: 59 Resp: 216440
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

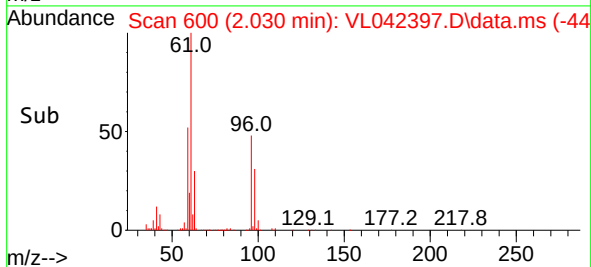
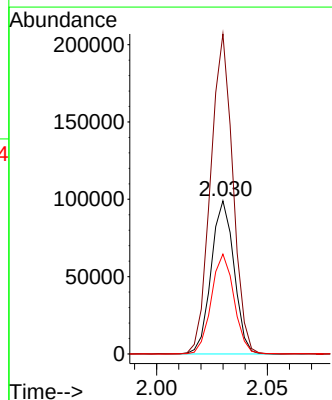
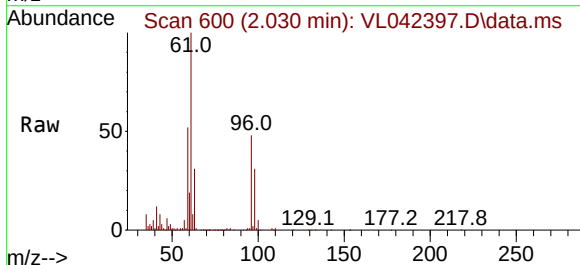
Manual Integrations
APPROVED

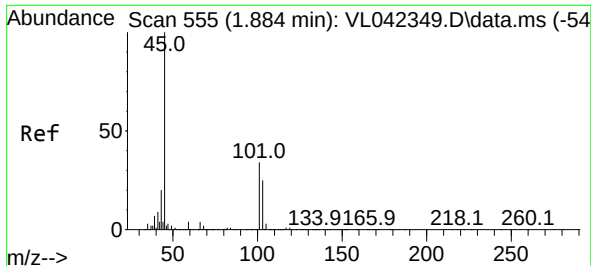
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#18
1,1-Dichloroethene
Concen: 9.356 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

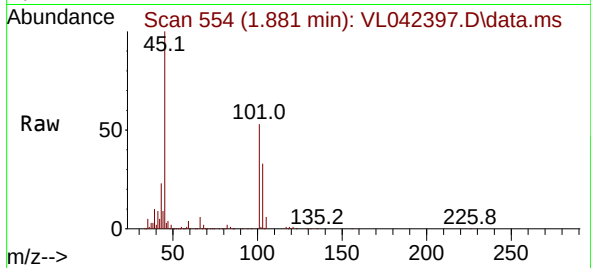
Tgt Ion: 96 Resp: 71097
Ion Ratio Lower Upper
96 100
61 208.9 160.2 240.2
98 65.1 51.0 76.4





#19
Isopropyl Alcohol
Concen: 8.956 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

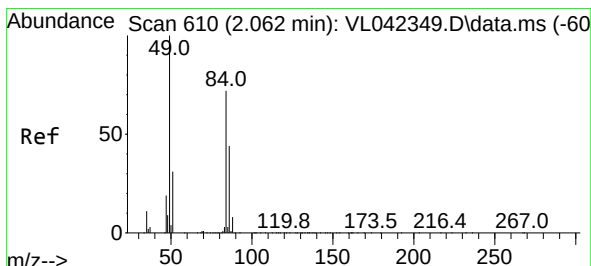
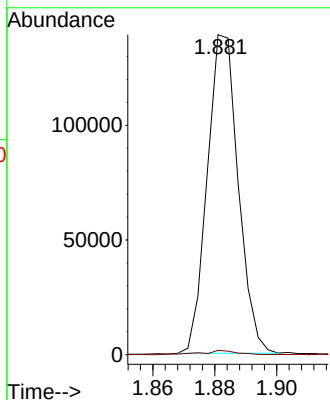
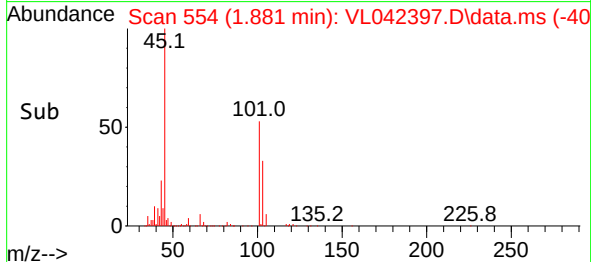
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



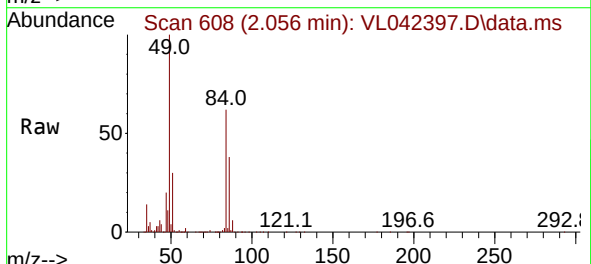
Tgt Ion: 45 Resp: 96437
Ion Ratio Lower Upper
45 100
58 47.3 34.5 51.7

Manual Integrations
APPROVED

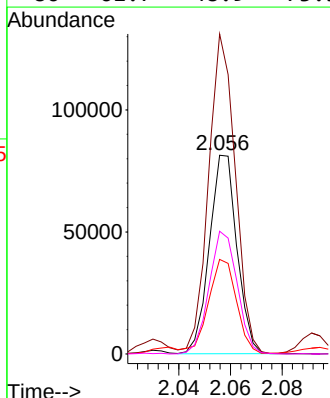
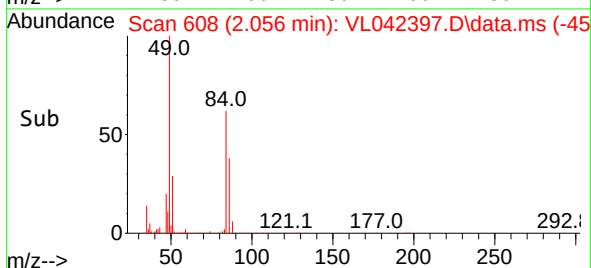
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

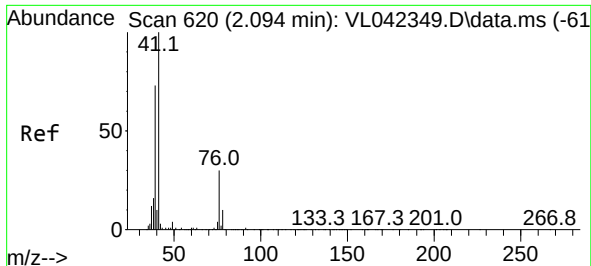


#20
Methylene Chloride
Concen: 7.959 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



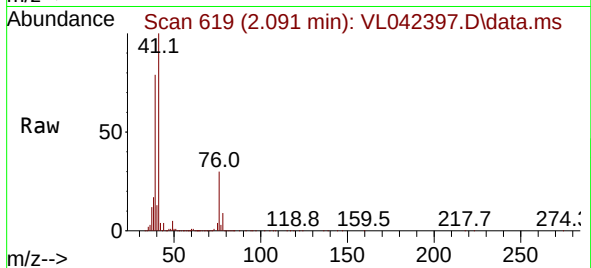
Tgt Ion: 84 Resp: 60417
Ion Ratio Lower Upper
84 100
49 160.9 111.6 167.4
51 47.1 35.1 52.7
86 61.7 48.9 73.3





#21
 Allyl Chloride
 Concen: 9.140 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

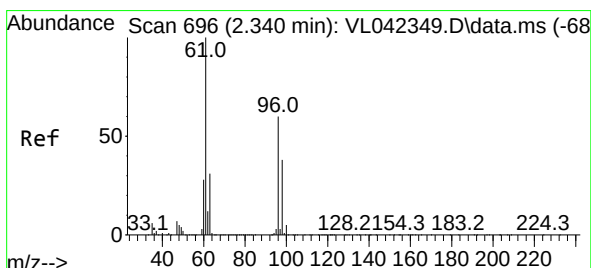
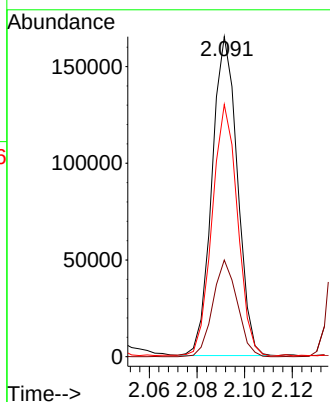
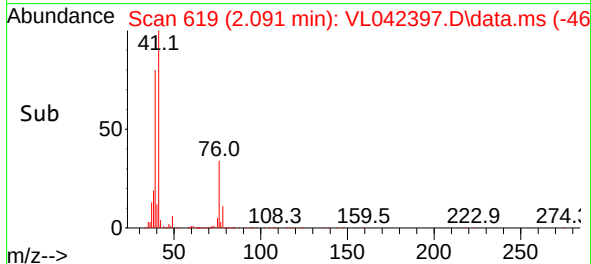
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01



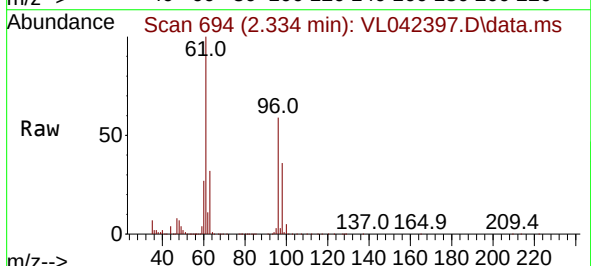
Tgt Ion: 41 Resp: 12231
 Ion Ratio Lower Upper
 41 100
 76 29.0 24.8 37.2
 39 78.3 60.6 90.8

Manual Integrations
 APPROVED

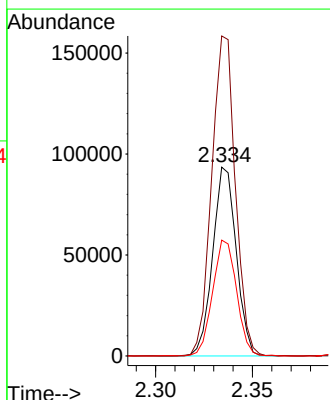
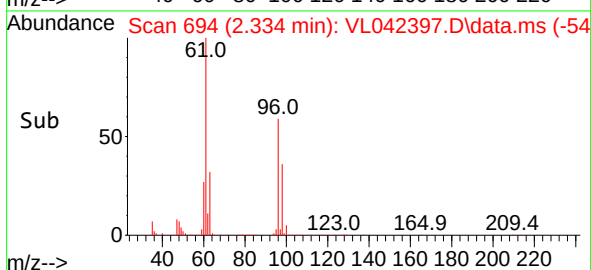
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

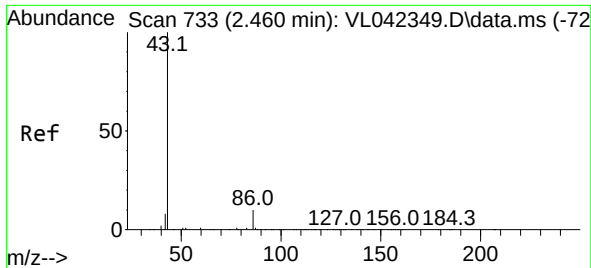


#22
 trans-1,2-Dichloroethene
 Concen: 9.128 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14



Tgt Ion: 96 Resp: 78976
 Ion Ratio Lower Upper
 96 100
 61 169.5 133.7 200.5
 98 61.3 50.3 75.5





#23
 Vinyl Acetate
 Concen: 6.961 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

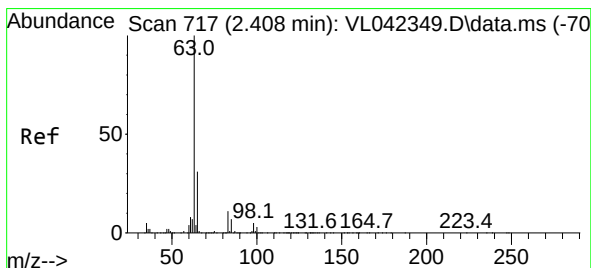
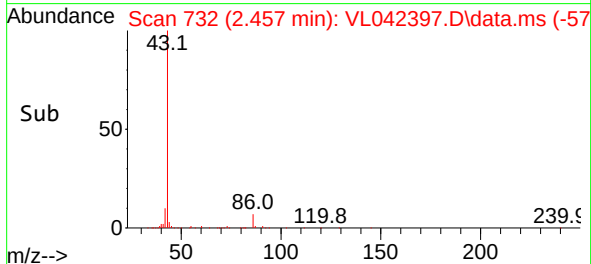
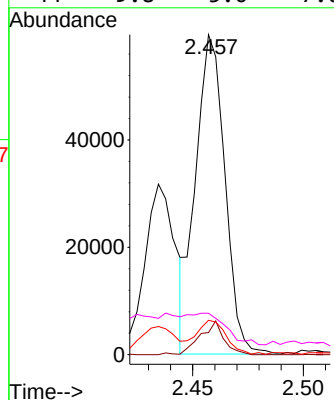
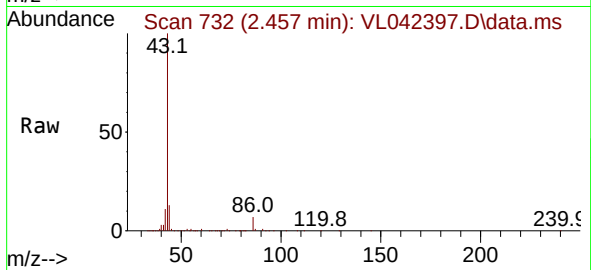
VL0421ABS01

Tgt Ion: 43 Resp: 54610
 Ion Ratio Lower Upper
 43 100
 86 6.9 6.5 9.7
 42 10.2 7.8 11.8
 44 9.8 5.0 7.6#

Manual Integrations

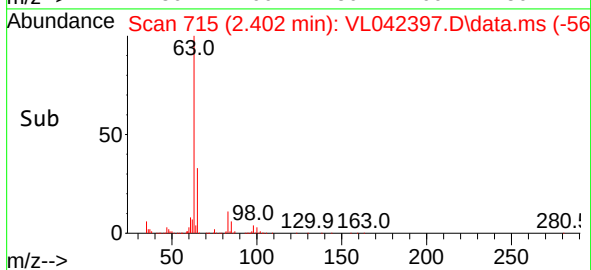
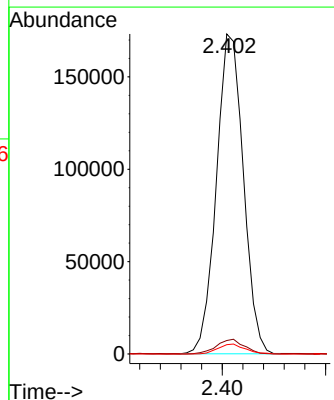
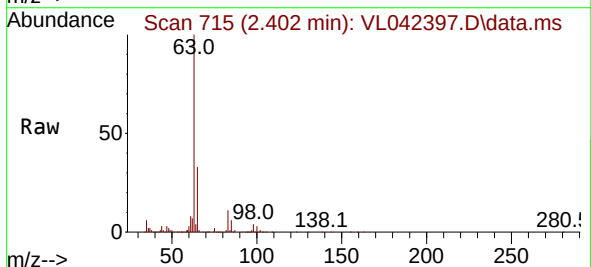
APPROVED

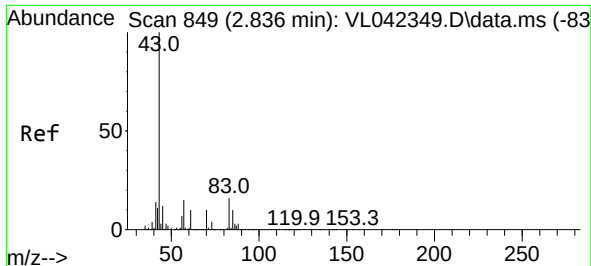
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#24
 1,1-Dichloroethane
 Concen: 9.559 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Tgt Ion: 63 Resp: 157093
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.3 6.8
 100 2.9 1.6 4.8





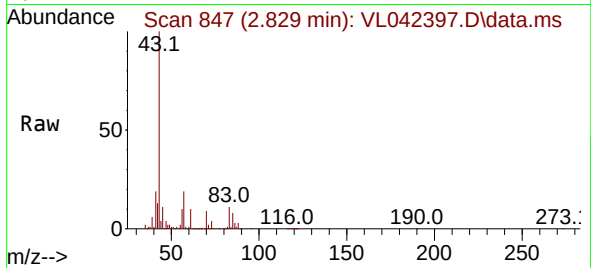
#25
Ethyl Acetate
Concen: 8.228 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

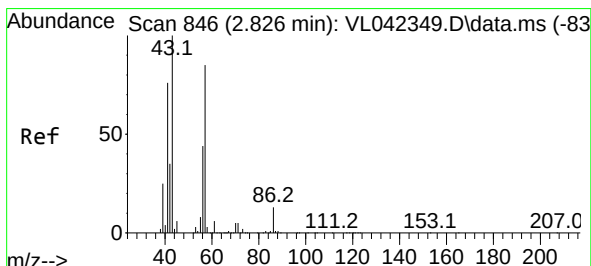
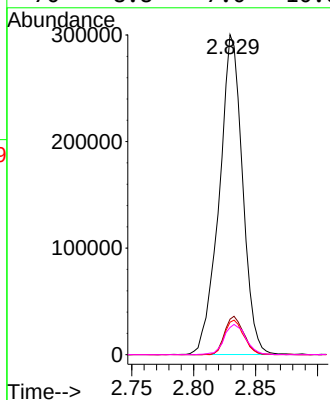
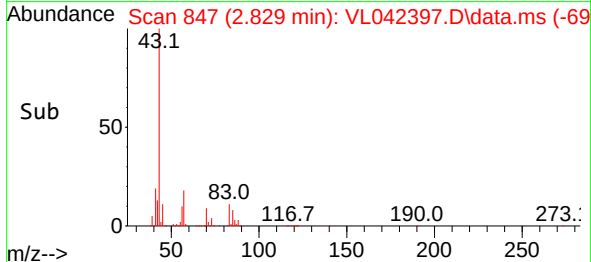


Tgt Ion: 43 Resp: 39320
Ion Ratio Lower Upper
43 100
45 9.9 8.3 12.5
61 9.0 7.3 10.9
70 8.8 7.0 10.6

Manual Integrations

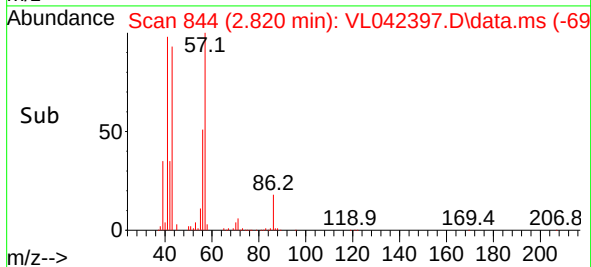
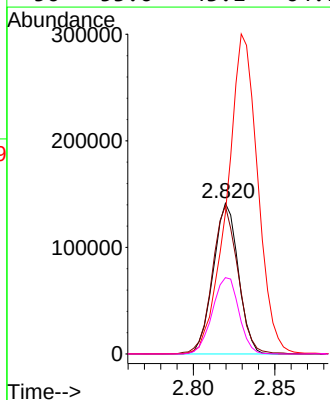
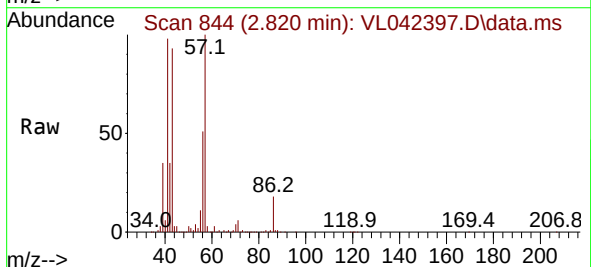
APPROVED

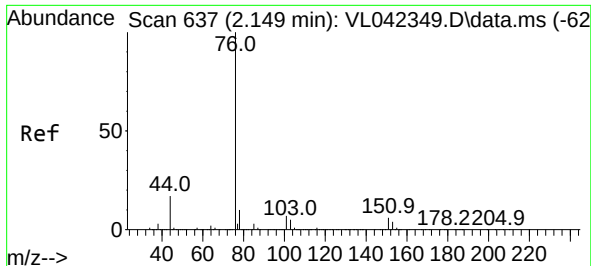
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#26
Hexane
Concen: 7.813 ppbv
RT: 2.820 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

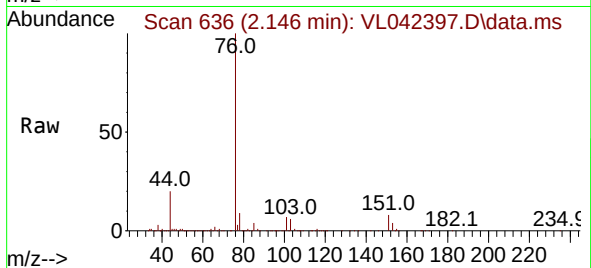
Tgt Ion: 57 Resp: 151103
Ion Ratio Lower Upper
57 100
41 101.1 77.9 116.9
43 261.5 208.4 312.6
56 53.6 43.1 64.7





#27
Carbon Disulfide
Concen: 9.404 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

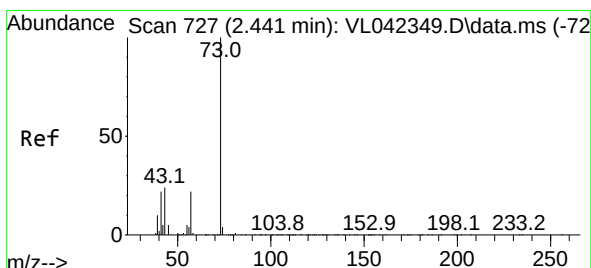
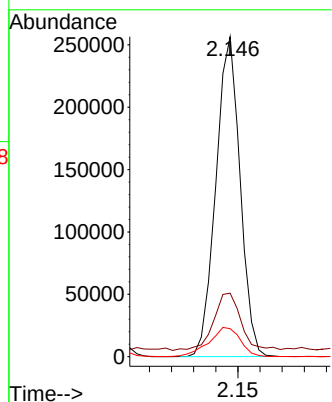
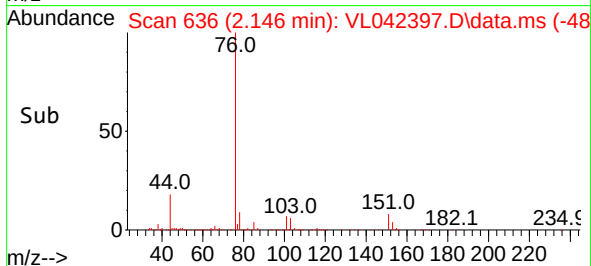
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion: 76 Resp: 194719
Ion Ratio Lower Upper
76 100
44 20.5 15.5 23.3
78 11.9 9.3 13.9

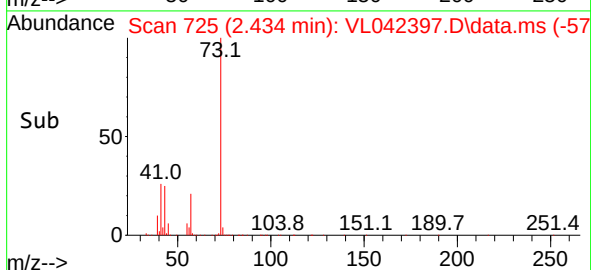
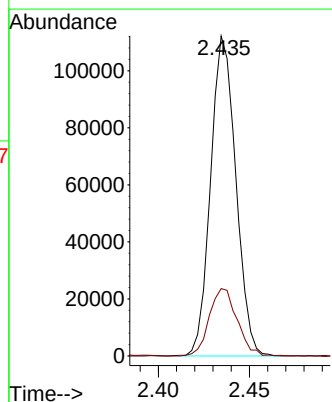
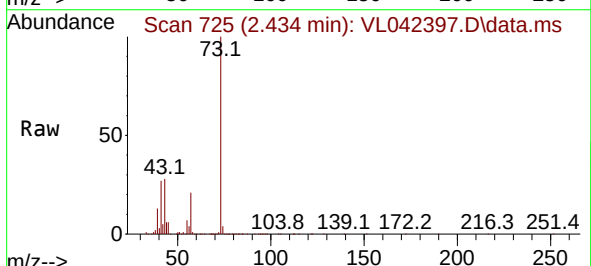
Manual Integrations
APPROVED

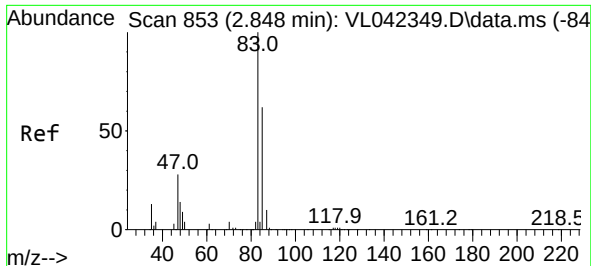
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#28
Methyl tert-Butyl Ether
Concen: 8.524 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 73 Resp: 108007
Ion Ratio Lower Upper
73 100
57 23.2 21.3 31.9





#29

Chloroform

Concen: 9.608 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

Tgt Ion: 83 Resp: 262639

Ion Ratio Lower Upper

83 100

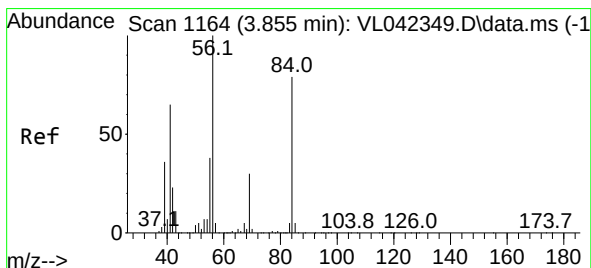
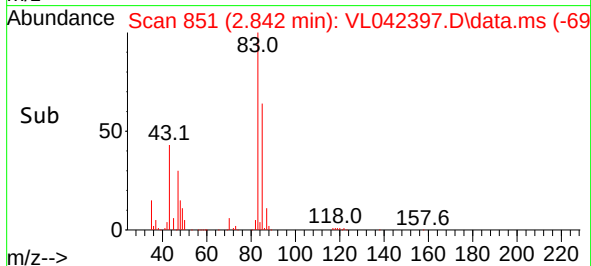
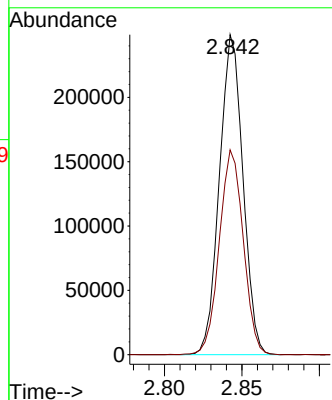
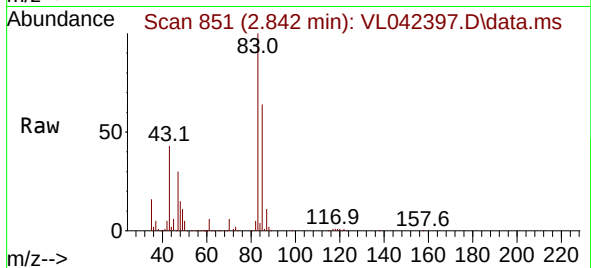
85 64.0 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#30

Cyclohexane

Concen: 8.517 ppbv

RT: 3.846 min Scan# 1161

Delta R.T. -0.009 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

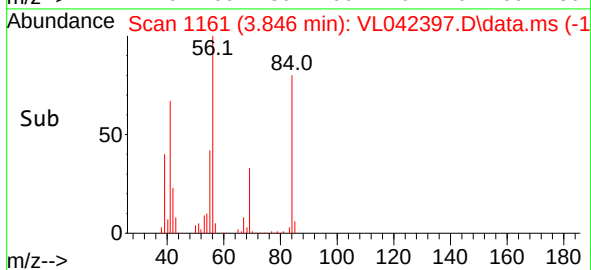
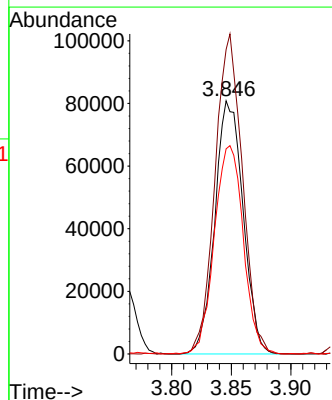
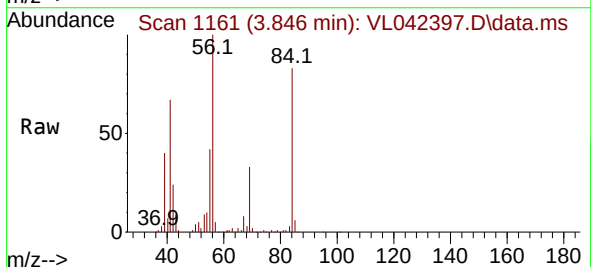
Tgt Ion: 84 Resp: 133153

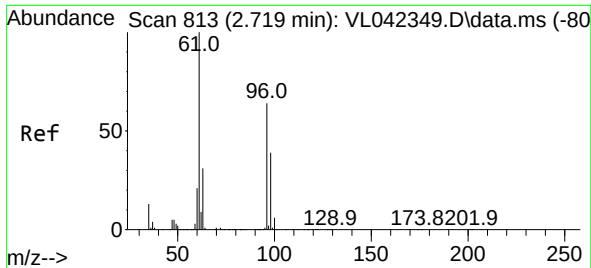
Ion Ratio Lower Upper

84 100

56 122.3 101.0 151.4

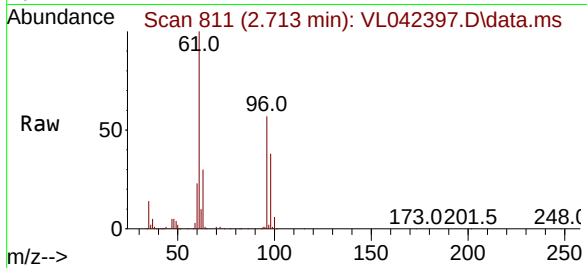
41 84.5 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.052 ppbv
 RT: 2.713 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

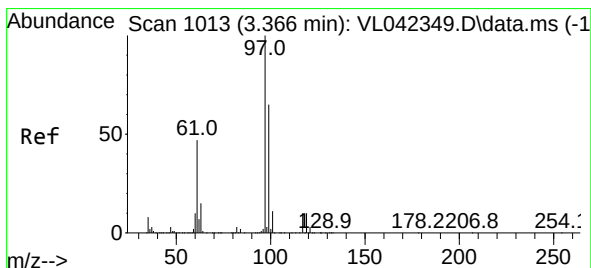
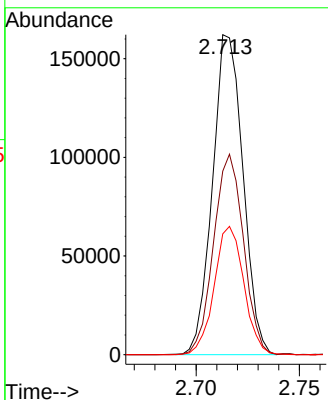
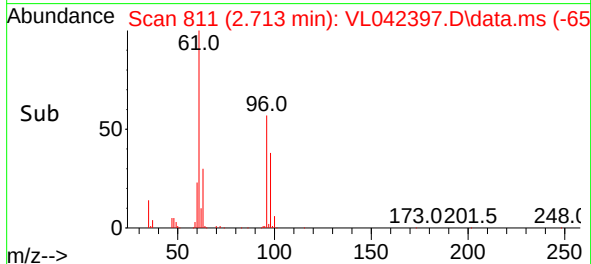
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01



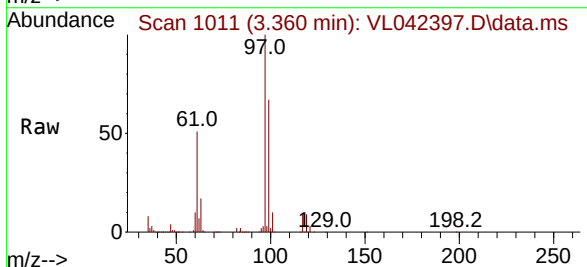
Tgt Ion: 61 Resp: 16644
 Ion Ratio Lower Upper
 61 100
 96 57.3 50.8 76.2
 98 37.7 30.9 46.3

Manual Integrations
 APPROVED

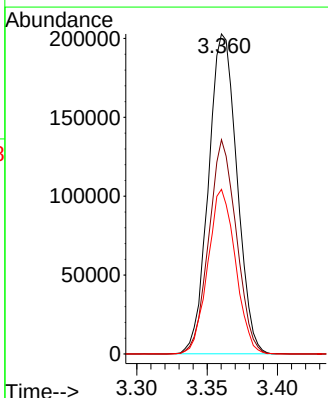
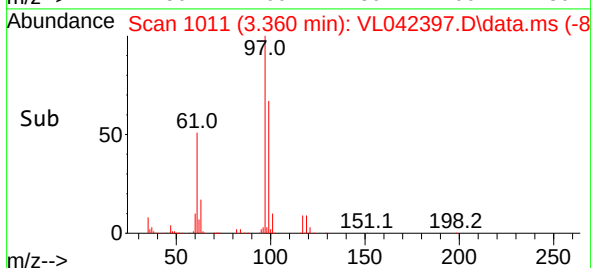
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

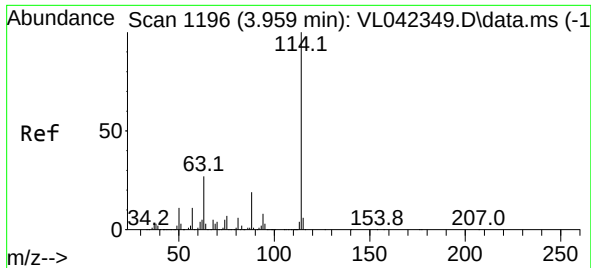


#32
 1,1,1-Trichloroethane
 Concen: 9.266 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14



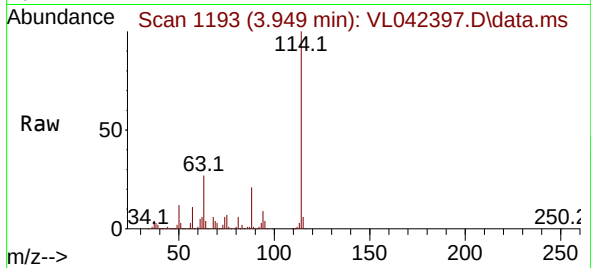
Tgt Ion: 97 Resp: 285156
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.0 76.4
 61 50.0 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

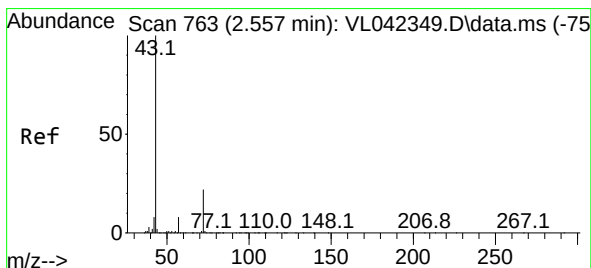
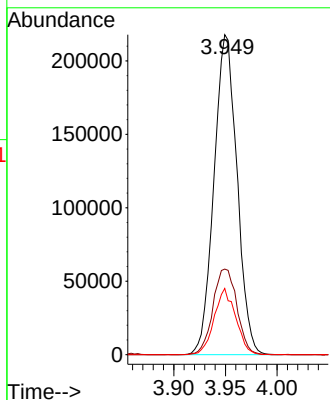
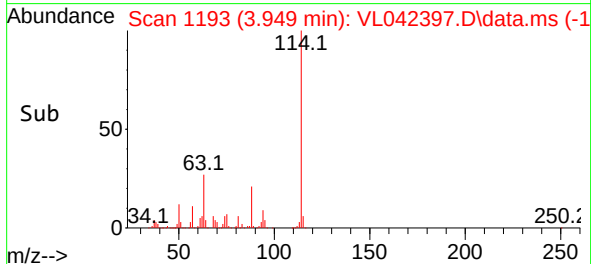
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion:114 Resp: 33792
Ion Ratio Lower Upper
114 100
63 27.9 21.8 32.6
88 19.4 15.5 23.3

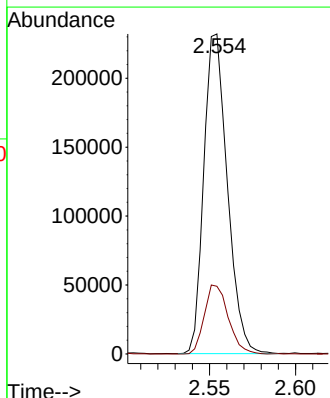
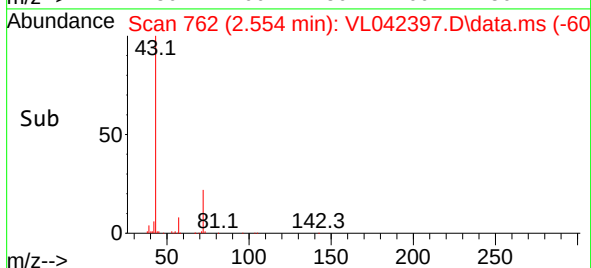
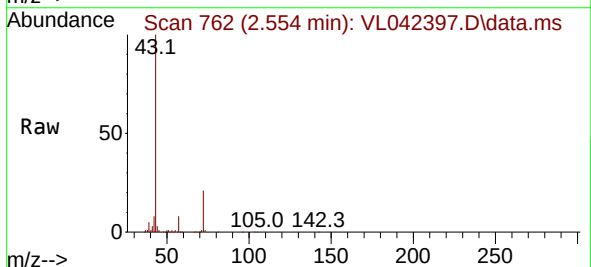
Manual Integrations
APPROVED

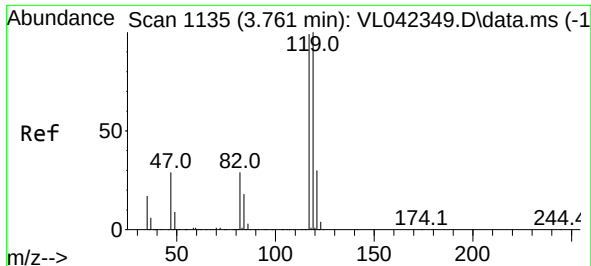
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#34
2-Butanone
Concen: 8.268 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

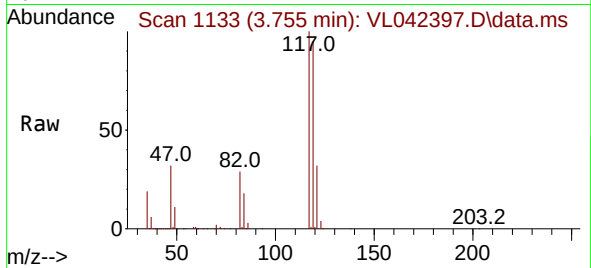
Tgt Ion: 43 Resp: 220966
Ion Ratio Lower Upper
43 100
72 22.0 18.2 27.2





#35
Carbon Tetrachloride
Concen: 9.546 ppbv
RT: 3.755 min Scan# 1135
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

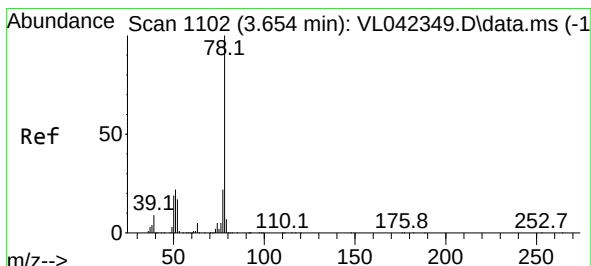
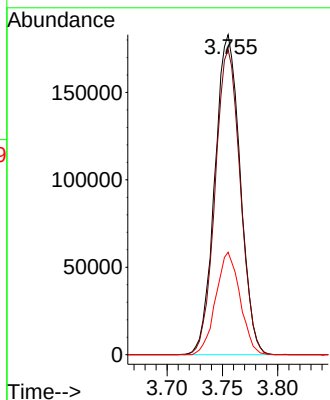
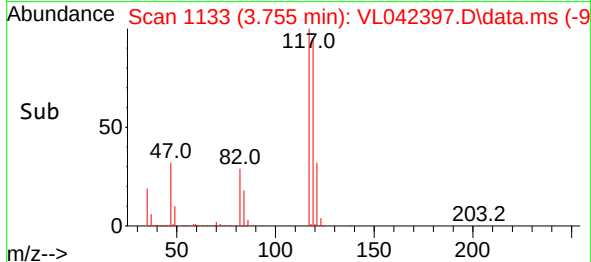
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion: 117 Resp: 29194
Ion Ratio Lower Upper
117 100
119 95.3 80.5 120.7
121 32.0 24.2 36.2

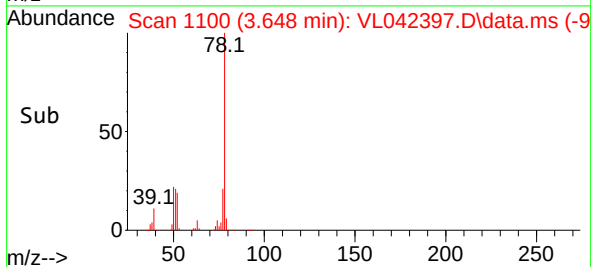
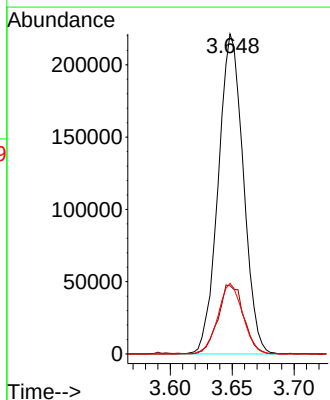
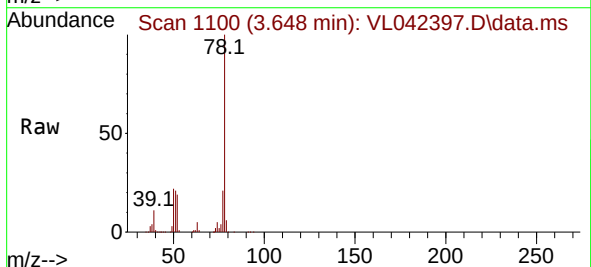
Manual Integrations
APPROVED

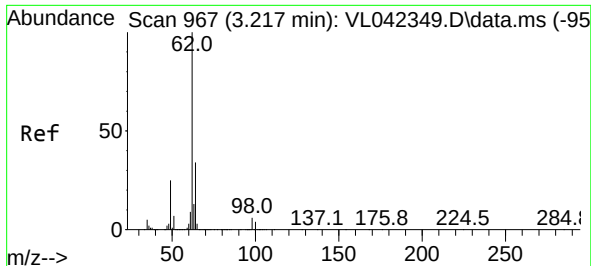
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#36
Benzene
Concen: 8.568 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

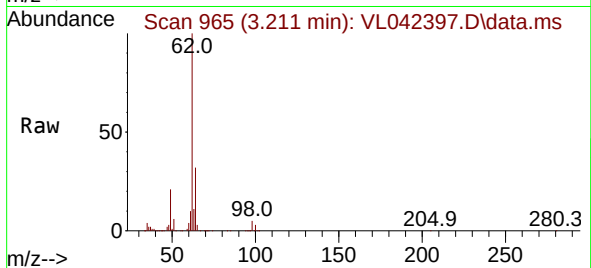
Tgt Ion: 78 Resp: 312290
Ion Ratio Lower Upper
78 100
77 21.2 17.4 26.0
50 22.0 15.5 23.3





#37
1,2-Dichloroethane
Concen: 10.301 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

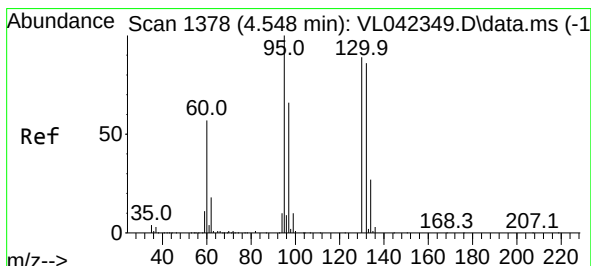
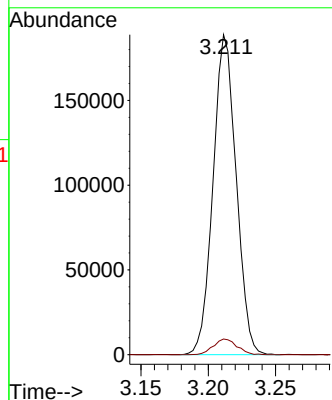
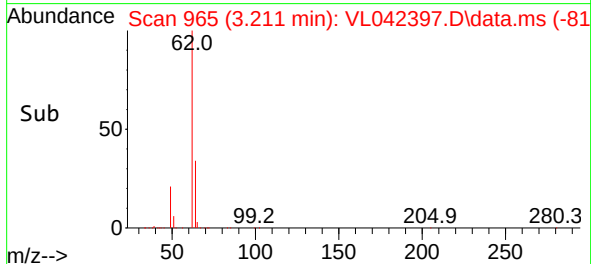
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



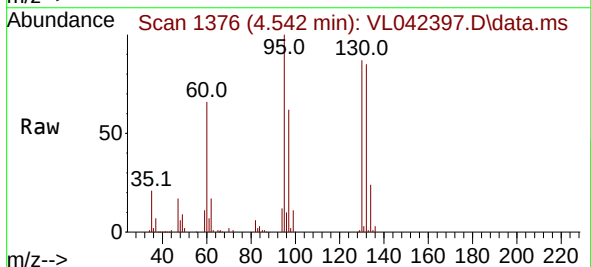
Tgt Ion: 62 Resp: 225340
Ion Ratio Lower Upper
62 100
98 5.0 5.1 7.7

Manual Integrations
APPROVED

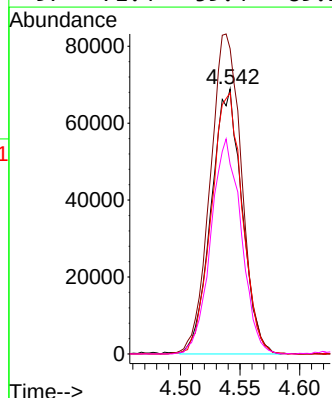
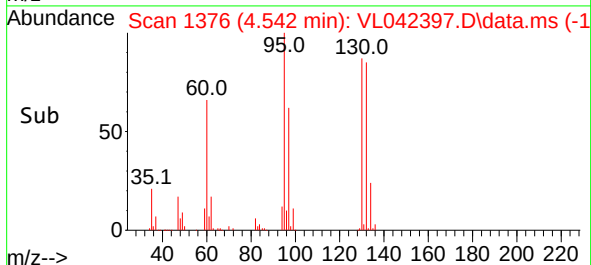
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

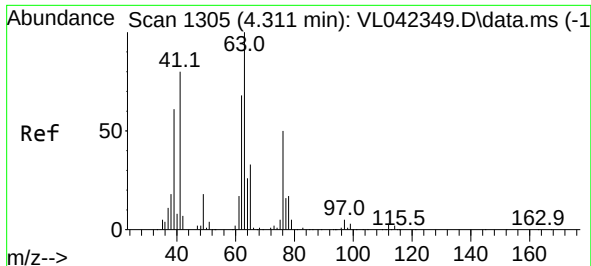


#38
Trichloroethene
Concen: 7.783 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



Tgt Ion:130 Resp: 123977
Ion Ratio Lower Upper
130 100
95 114.9 89.8 134.6
132 98.2 77.7 116.5
97 71.4 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.250 ppbv

RT: 4.305 min Scan# 112058

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

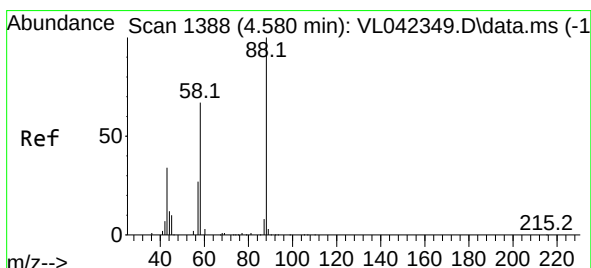
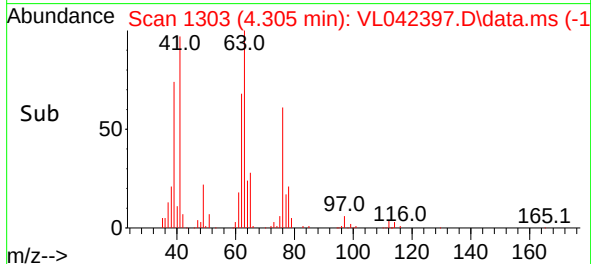
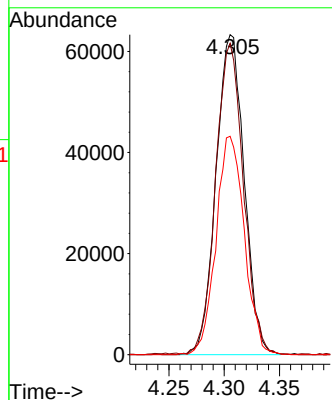
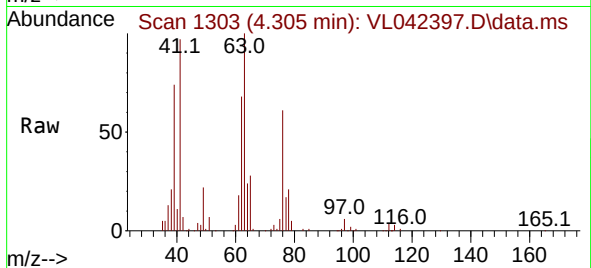
Tgt Ion: 63 Resp: 112058

Ion	Ratio	Lower	Upper
63	100		
41	97.0	64.2	96.2
62	68.0	54.3	81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#40

1,4-Dioxane

Concen: 7.437 ppbv

RT: 4.571 min Scan# 1385

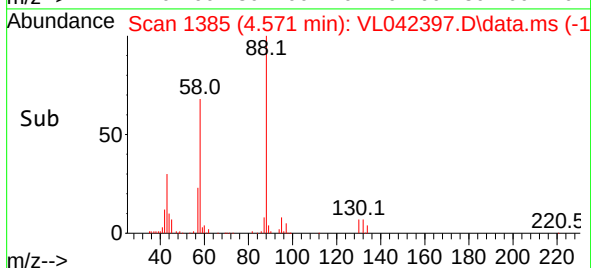
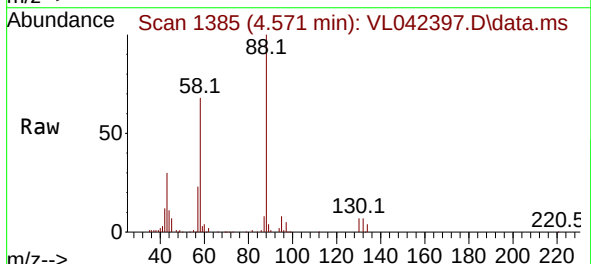
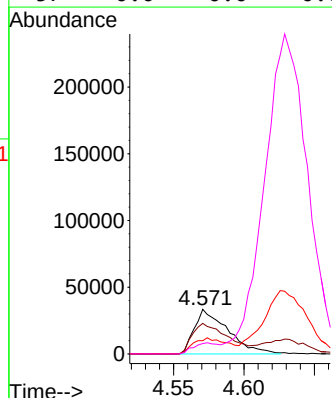
Delta R.T. -0.009 min

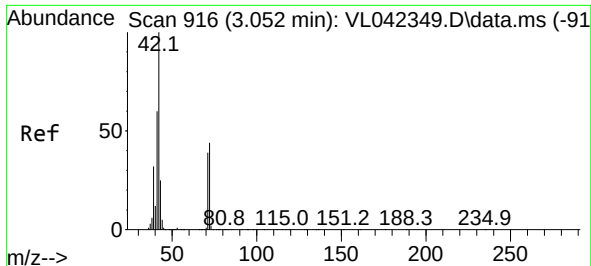
Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Tgt Ion: 88 Resp: 55511

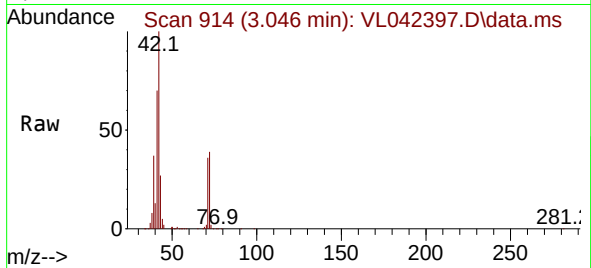
Ion	Ratio	Lower	Upper
88	100		
58	71.6	61.4	92.0
43	35.1	23.2	34.8
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 7.797 ppbv
RT: 3.046 min Scan# 916
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

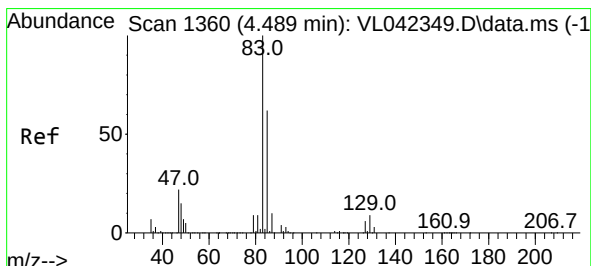
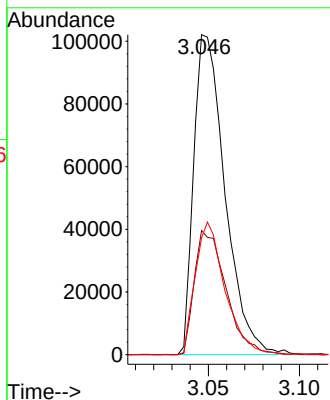
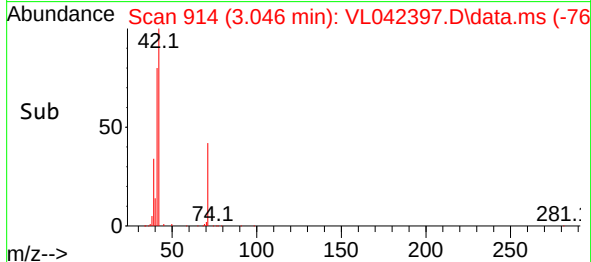
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



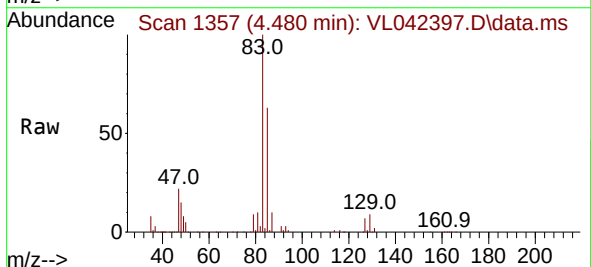
Tgt Ion: 42 Resp: 121497
Ion Ratio Lower Upper
42 100
72 39.6 32.3 48.5
71 39.7 31.4 47.2

Manual Integrations
APPROVED

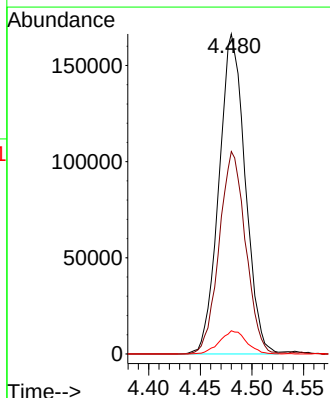
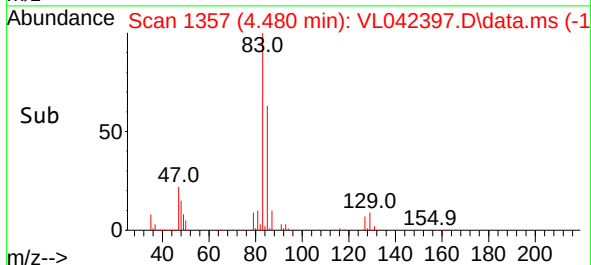
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

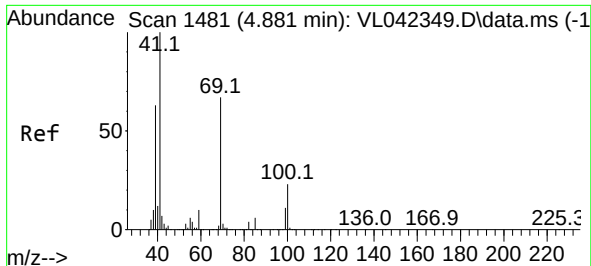


#42
Bromodichloromethane
Concen: 9.661 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



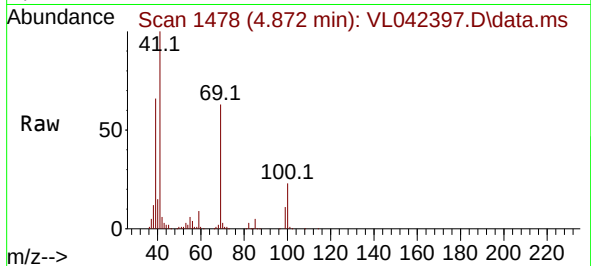
Tgt Ion: 83 Resp: 294127
Ion Ratio Lower Upper
83 100
85 63.2 49.7 74.5
127 7.3 5.1 7.7





#43
Methyl Methacrylate
Concen: 7.657 ppbv
RT: 4.872 min Scan# 1478
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

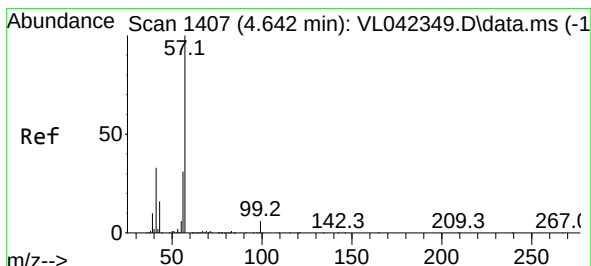
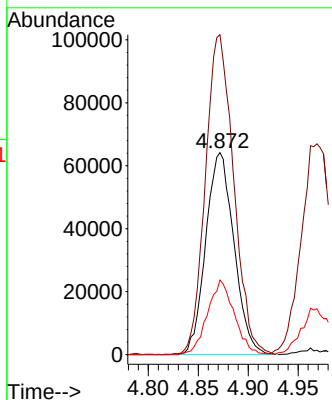
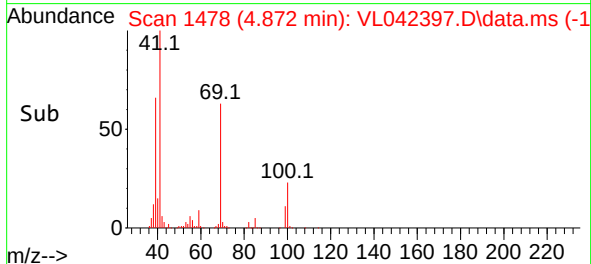
Instrument : MSVOA_L
ClientSampleId : VL0421ABS01



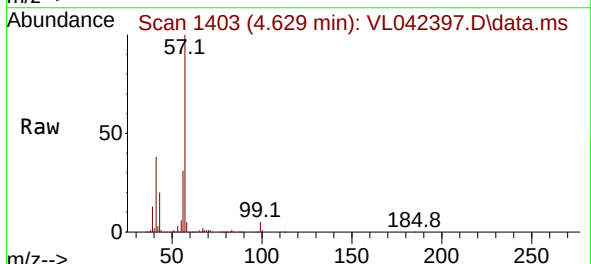
Tgt Ion: 69 Resp: 125779
Ion Ratio Lower Upper
69 100
41 158.7 118.6 177.8
100 35.2 28.2 42.2

Manual Integrations
APPROVED

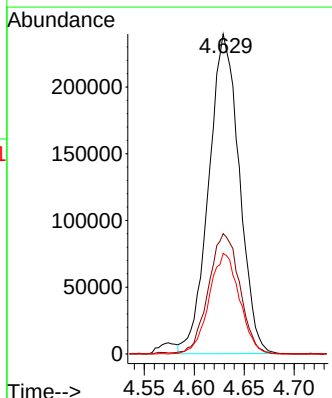
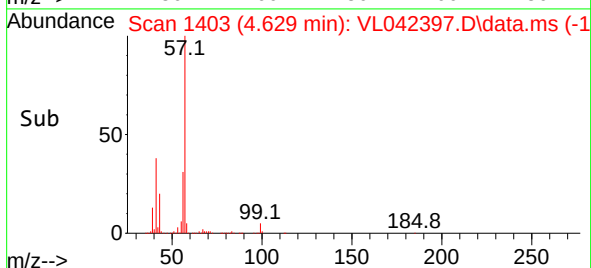
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

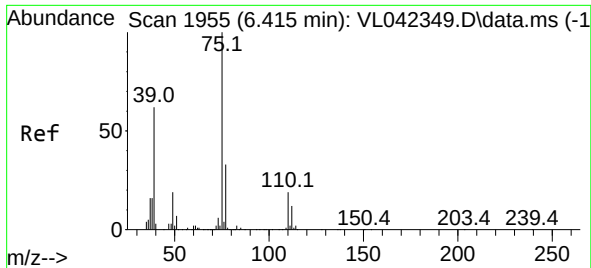


#44
2,2,4-Trimethylpentane
Concen: 8.085 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



Tgt Ion: 57 Resp: 508984
Ion Ratio Lower Upper
57 100
41 38.8 27.2 40.8
56 31.3 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 8.469 ppbv

RT: 6.399 min Scan# 1955

Delta R.T. -0.016 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

Tgt Ion: 75 Resp: 142114

Ion Ratio Lower Upper

75 100

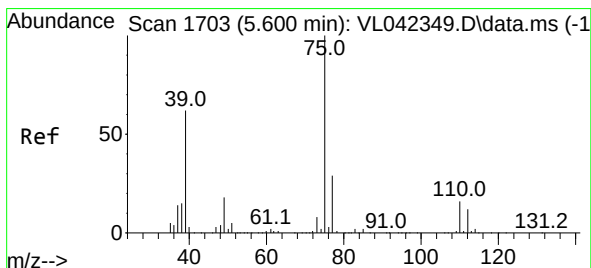
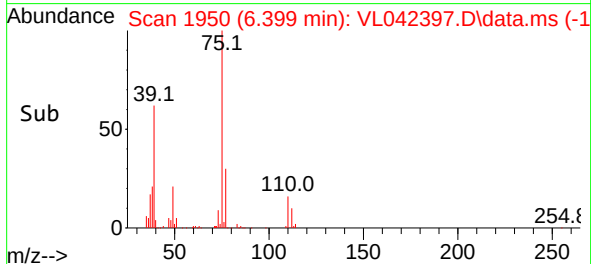
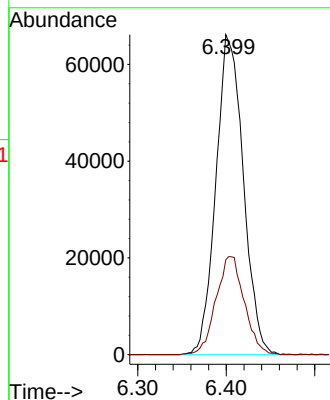
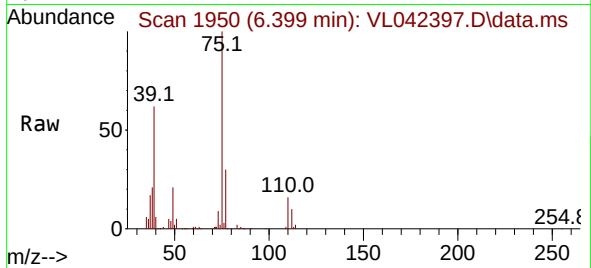
77 29.7 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#46

cis-1,3-Dichloropropene

Concen: 8.348 ppbv

RT: 5.590 min Scan# 1700

Delta R.T. -0.009 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

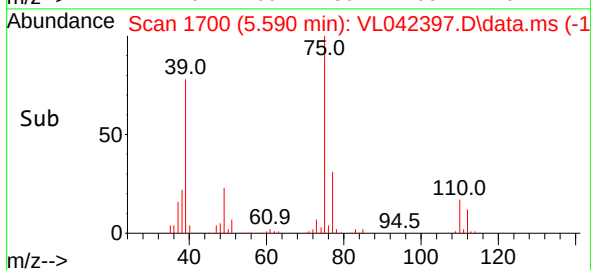
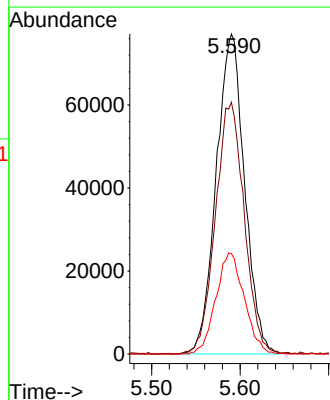
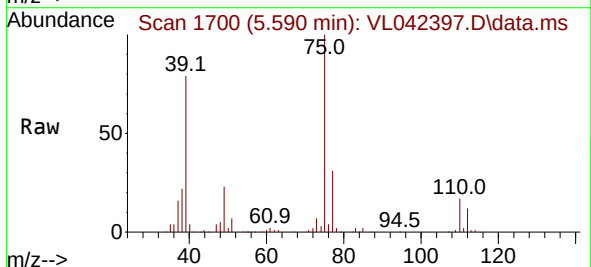
Tgt Ion: 75 Resp: 171445

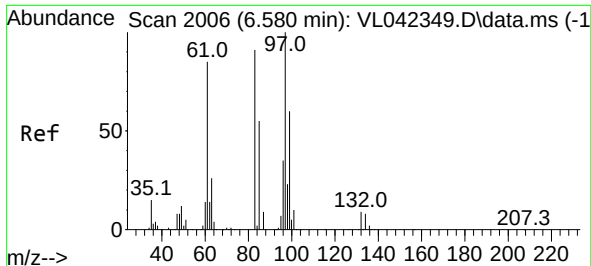
Ion Ratio Lower Upper

75 100

39 78.5 50.0 75.0#

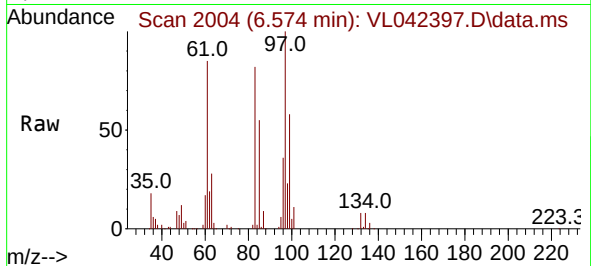
77 31.4 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 8.967 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

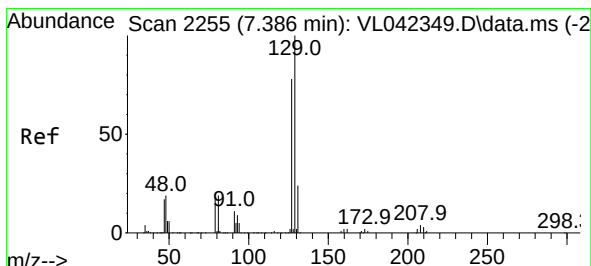
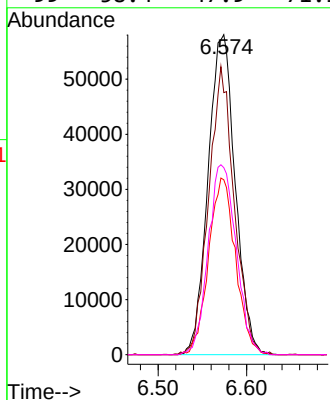
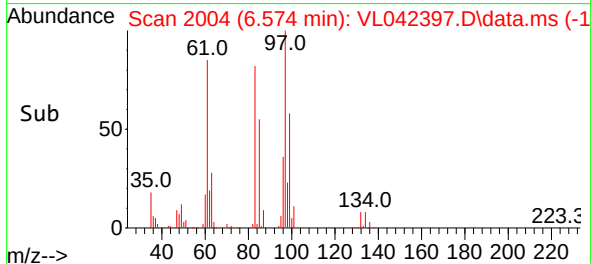
Instrument : MSVOA_L
ClientSampleId : VL0421ABS01



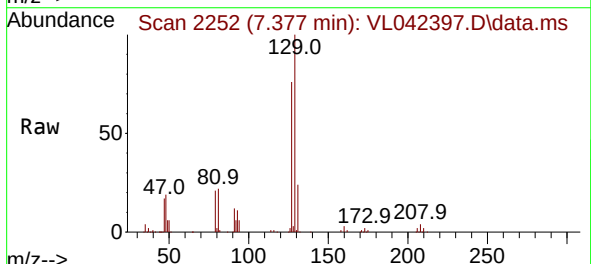
Tgt Ion: 97 Resp: 124092
Ion Ratio Lower Upper
97 100
83 81.9 72.8 109.2
85 54.7 44.2 66.4
99 58.4 47.9 71.9

Manual Integrations
APPROVED

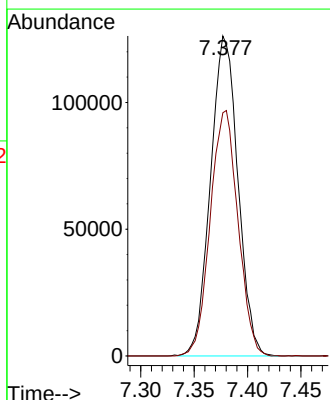
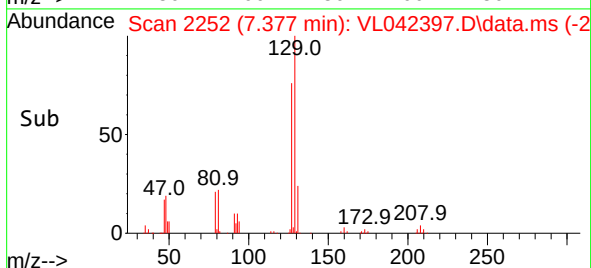
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

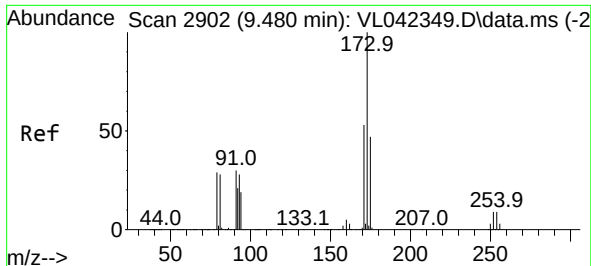


#48
Dibromochloromethane
Concen: 9.226 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



Tgt Ion:129 Resp: 225553
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





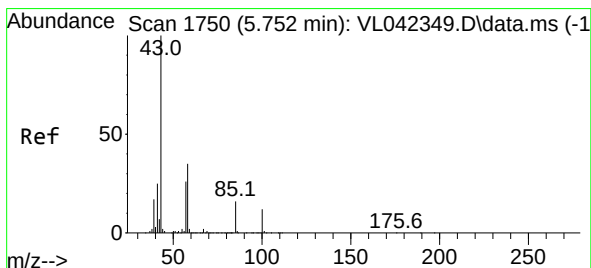
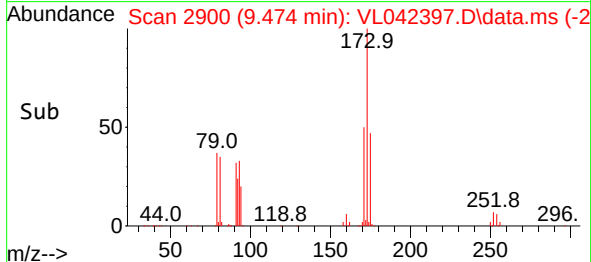
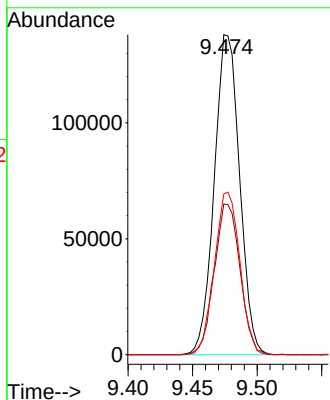
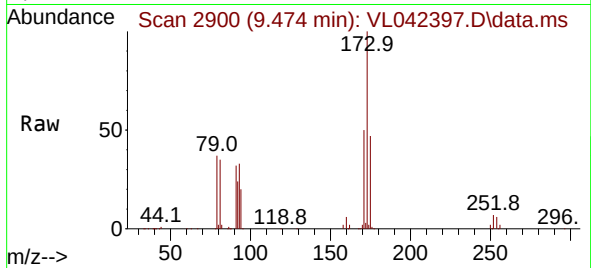
#49
Bromoform
Concen: 8.830 ppbv
RT: 9.474 min Scan# 2902
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Tgt Ion:173 Resp: 188764
Ion Ratio Lower Upper
173 100
175 48.0 38.2 57.2
171 50.9 40.9 61.3

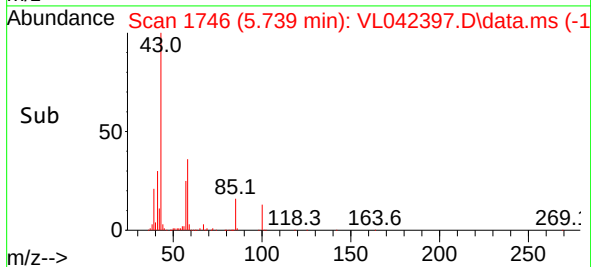
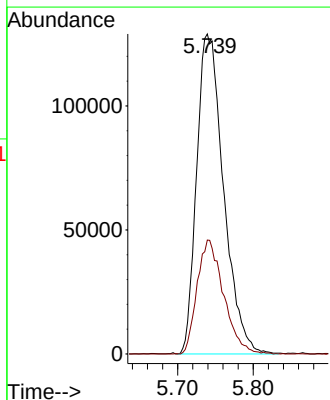
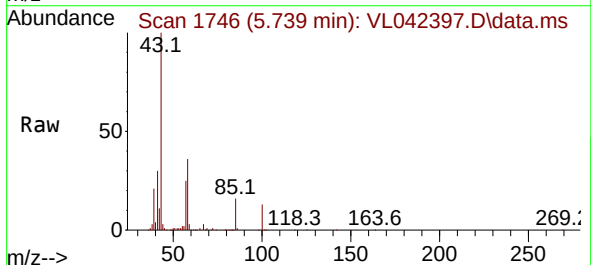
Manual Integrations
APPROVED

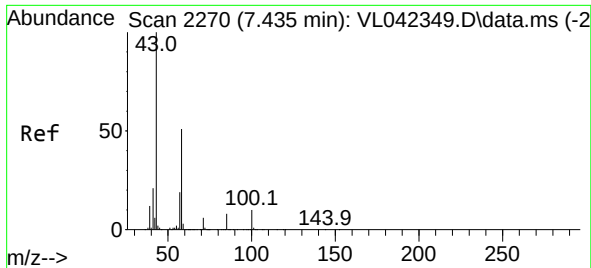
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#50
4-Methyl-2-Pentanone
Concen: 7.182 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.013 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

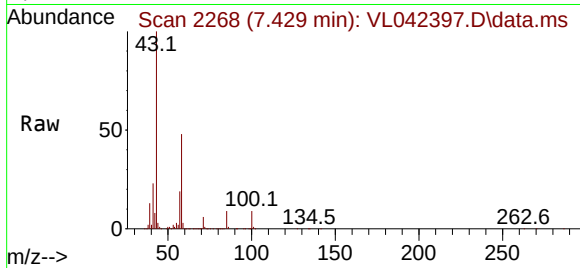
Tgt Ion: 43 Resp: 318982
Ion Ratio Lower Upper
43 100
58 35.1 28.6 43.0





#51
2-Hexanone
Concen: 6.702 ppbv
RT: 7.429 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

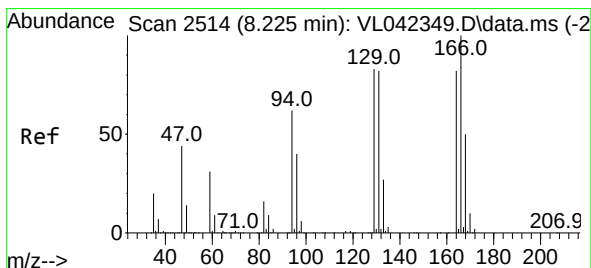
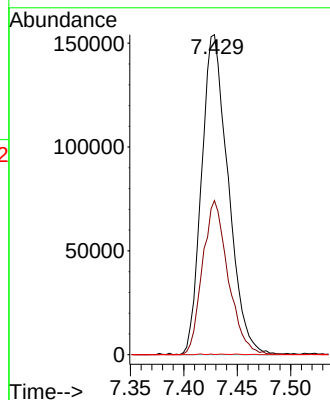
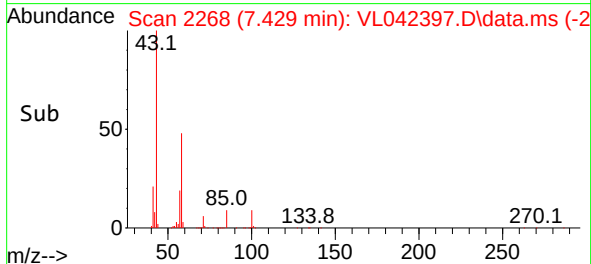
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



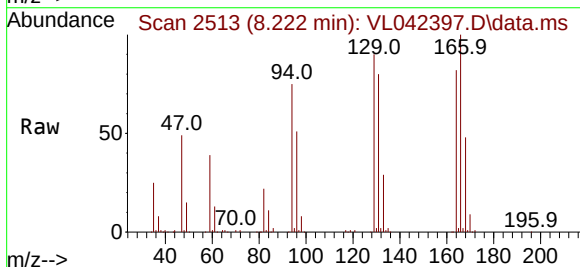
Tgt Ion: 43 Resp: 26695
Ion Ratio Lower Upper
43 100
58 46.6 40.2 60.4
98 0.2 0.1 0.1

Manual Integrations
APPROVED

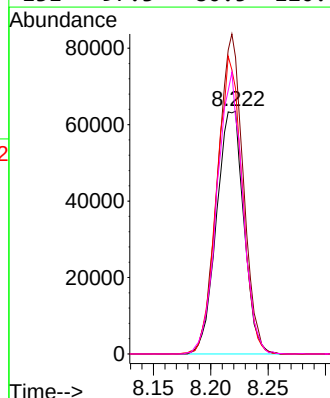
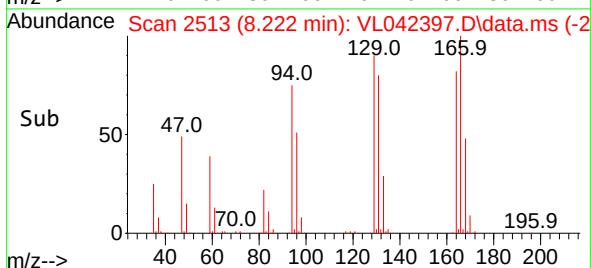
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

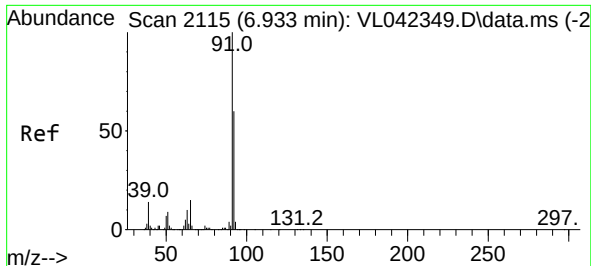


#52
Tetrachloroethene
Concen: 7.446 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



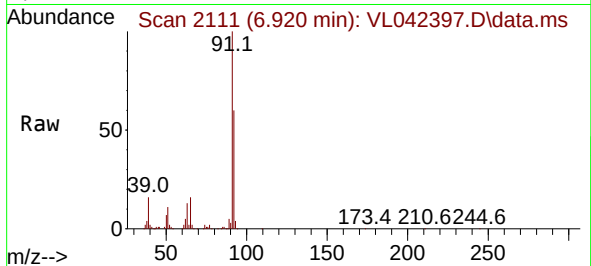
Tgt Ion:164 Resp: 104899
Ion Ratio Lower Upper
164 100
166 122.1 98.2 147.2
129 109.2 81.8 122.8
131 97.3 80.5 120.7





#53
Toluene
Concen: 8.264 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.013 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

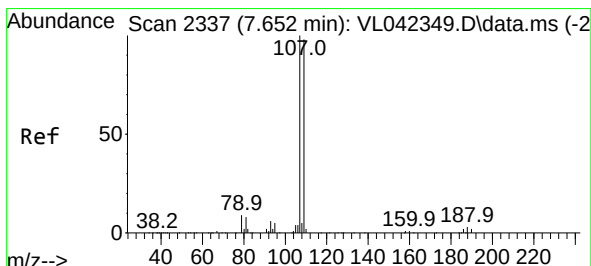
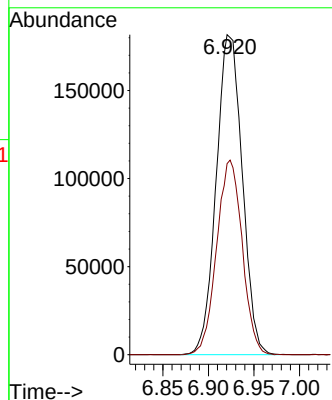
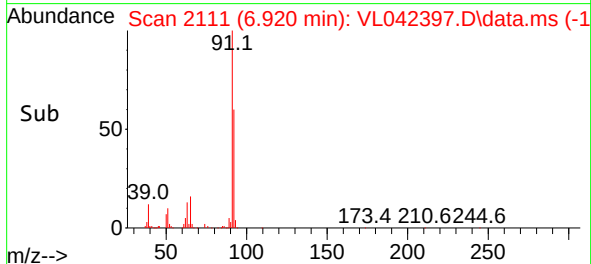
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



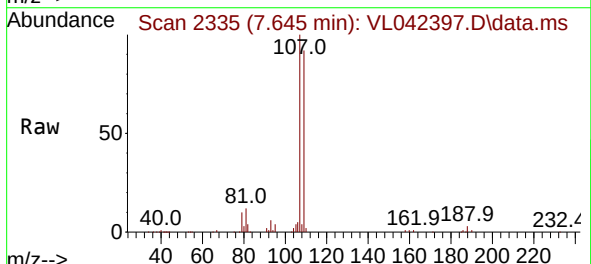
Tgt Ion: 91 Resp: 36144
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4

Manual Integrations
APPROVED

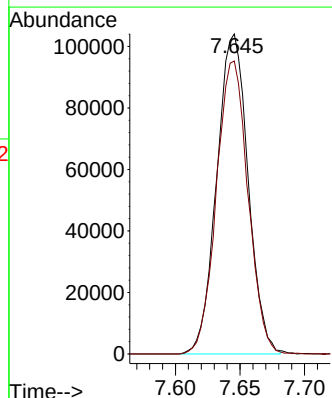
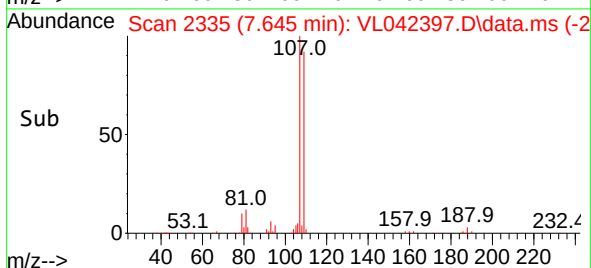
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

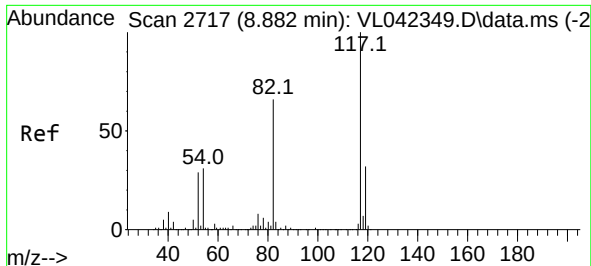


#54
1,2-Dibromoethane
Concen: 8.877 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



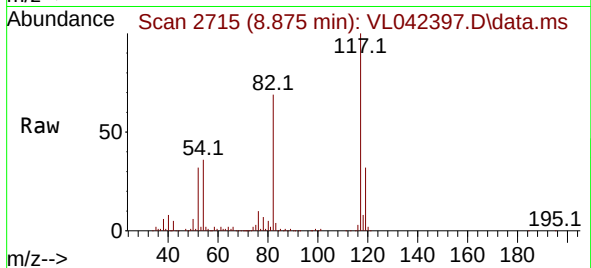
Tgt Ion:107 Resp: 175799
Ion Ratio Lower Upper
107 100
109 91.6 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

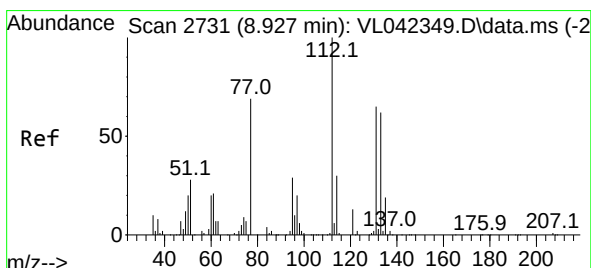
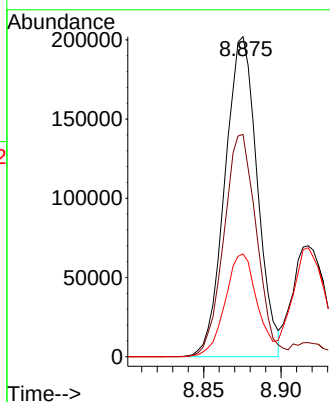
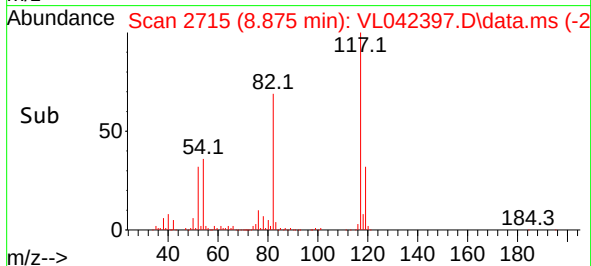
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



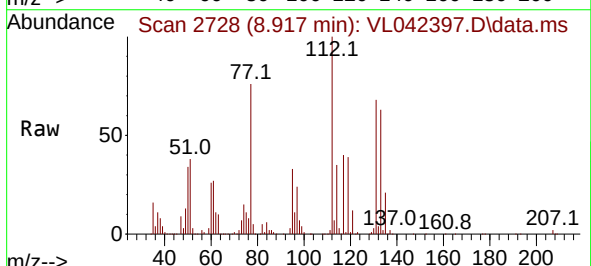
Tgt Ion:117 Resp: 29353
Ion Ratio Lower Upper
117 100
82 74.7 57.8 86.6
119 31.6 25.2 37.8

Manual Integrations
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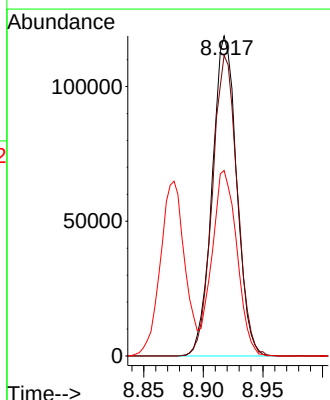
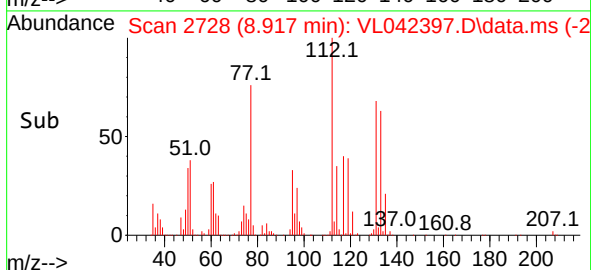
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

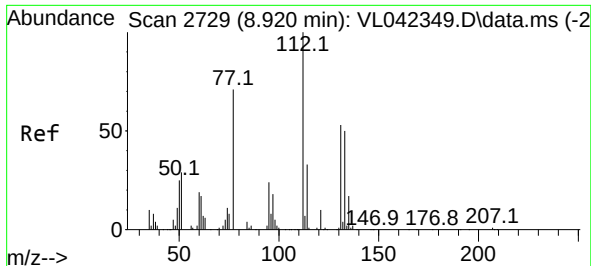


#56
1,1,1,2-Tetrachloroethane
Concen: 9.550 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



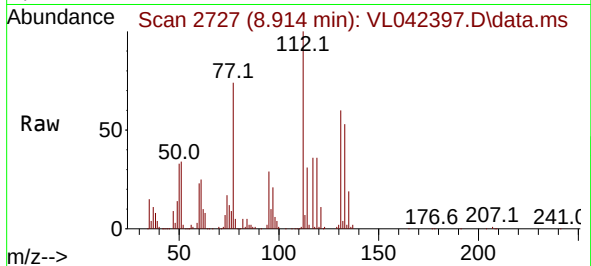
Tgt Ion:131 Resp: 169656
Ion Ratio Lower Upper
131 100
133 95.3 78.3 117.5
119 58.0 48.7 73.1





#57
Chlorobenzene
Concen: 8.868 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

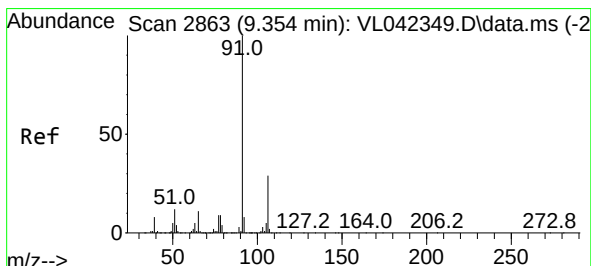
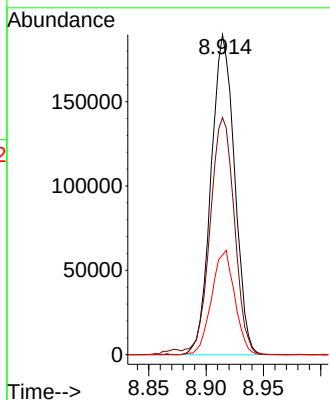
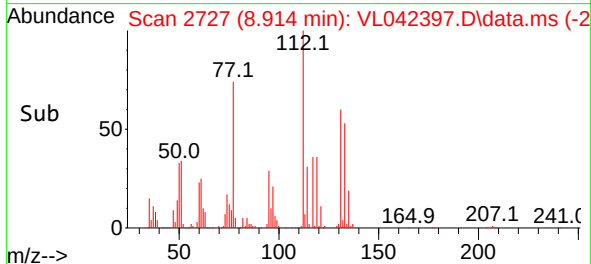
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion:112 Resp: 27073
Ion Ratio Lower Upper
112 100
77 74.0 57.8 86.6
114 31.1 29.3 35.9

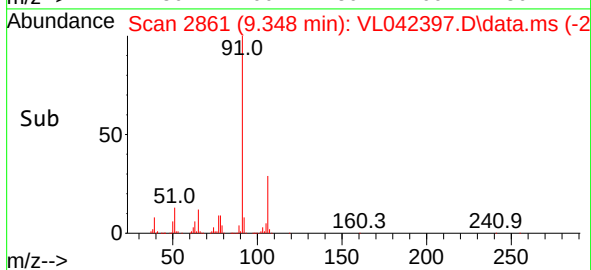
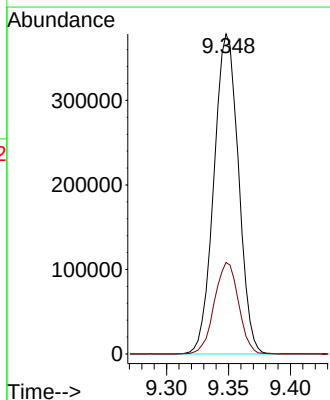
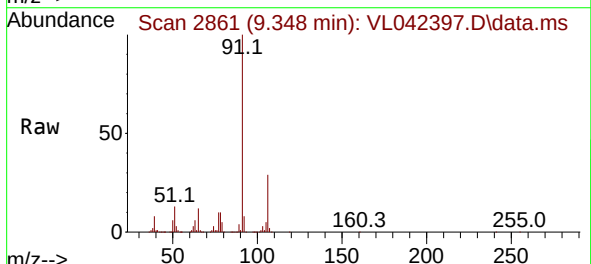
Manual Integrations
APPROVED

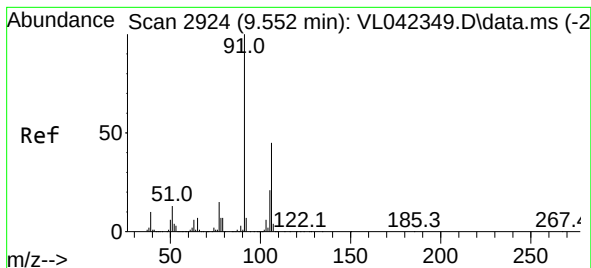
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#58
Ethyl Benzene
Concen: 9.011 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 91 Resp: 524070
Ion Ratio Lower Upper
91 100
106 28.6 23.0 34.4





#59

m/p-Xylene

Concen: 18.189 ppbv m

RT: 9.545 min Scan# 2924

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

Tgt Ion: 91 Resp: 85219

Ion Ratio Lower Upper

91 100

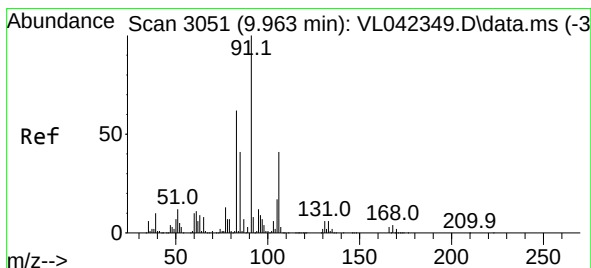
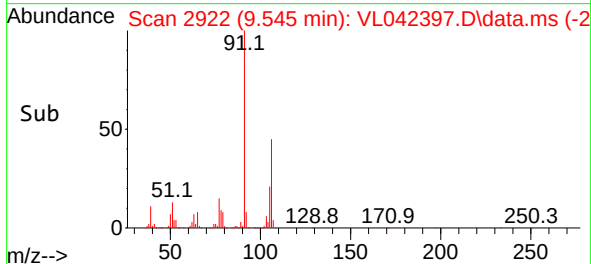
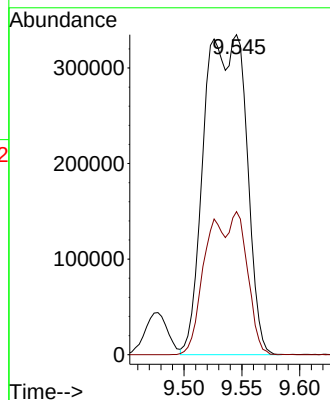
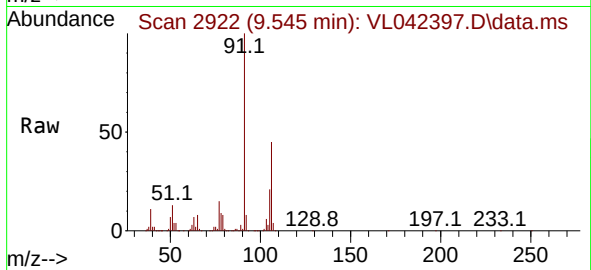
106 42.6 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#60

o-Xylene

Concen: 9.179 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.006 min

Lab File: VL042397.D

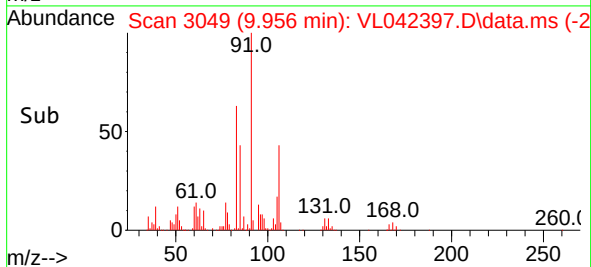
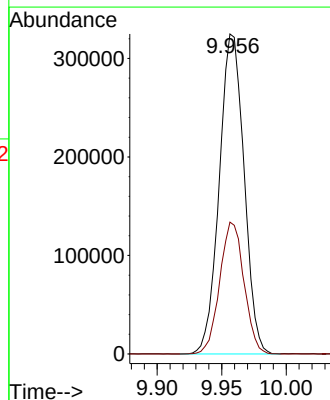
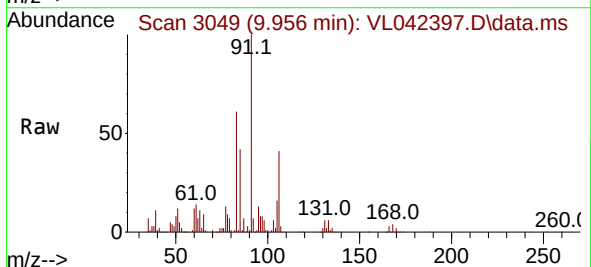
Acq: 21 Apr 2025 10:14

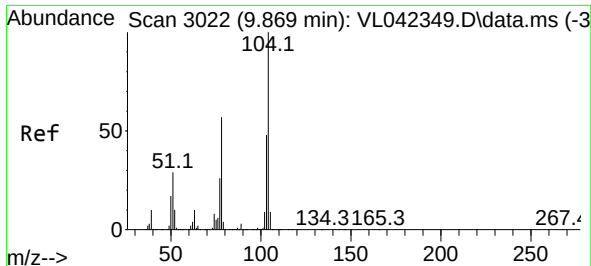
Tgt Ion: 91 Resp: 433062

Ion Ratio Lower Upper

91 100

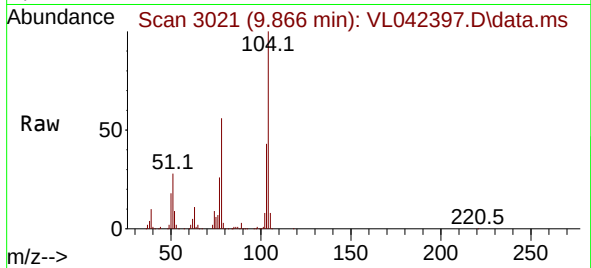
106 40.3 21.1 63.4





#61
Styrene
Concen: 8.648 ppbv
RT: 9.866 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

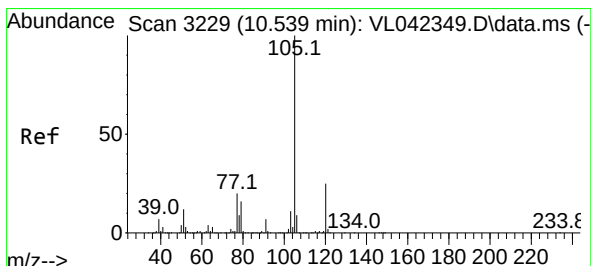
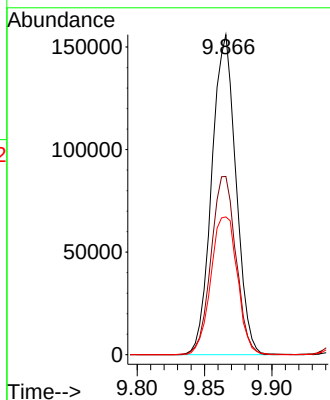
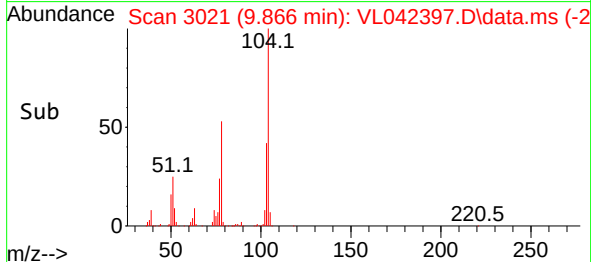
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



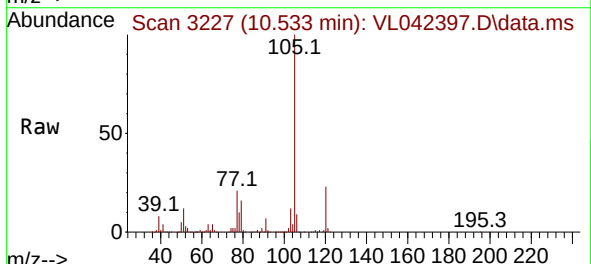
Tgt Ion:104 Resp: 194750
Ion Ratio Lower Upper
104 100
78 57.4 44.6 66.8
103 47.4 37.4 56.0

Manual Integrations
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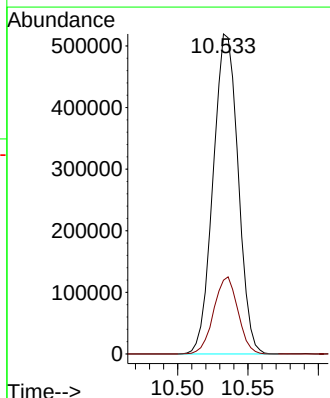
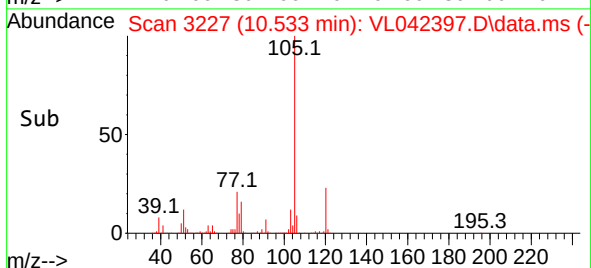
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

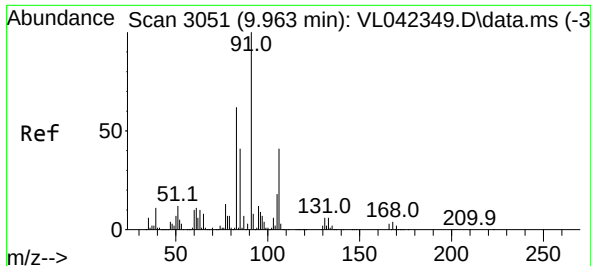


#62
Isopropylbenzene
Concen: 9.262 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



Tgt Ion:105 Resp: 641535
Ion Ratio Lower Upper
105 100
120 23.3 19.8 29.8





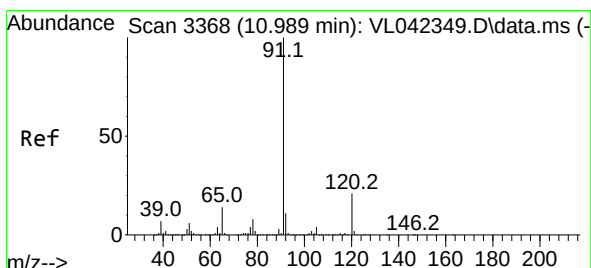
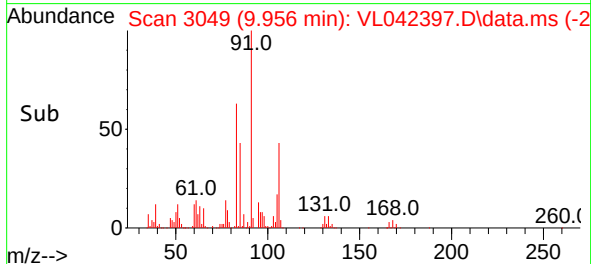
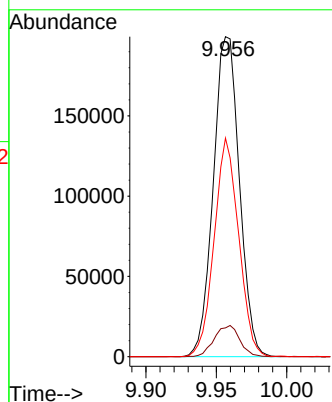
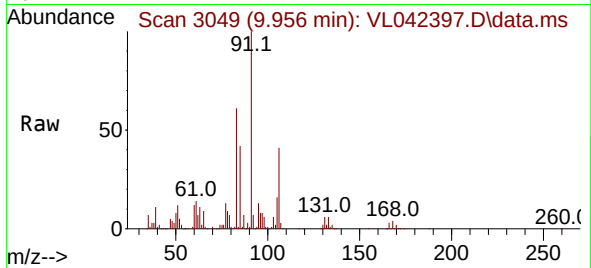
#63
1,1,2,2-Tetrachloroethane
Concen: 8.420 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

Tgt Ion: 83 Resp: 257428
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.7
85 64.0 32.4 97.0

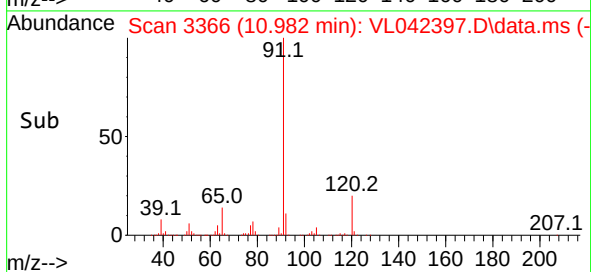
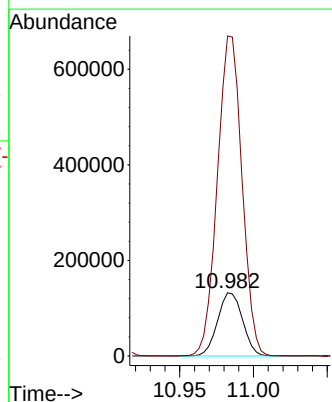
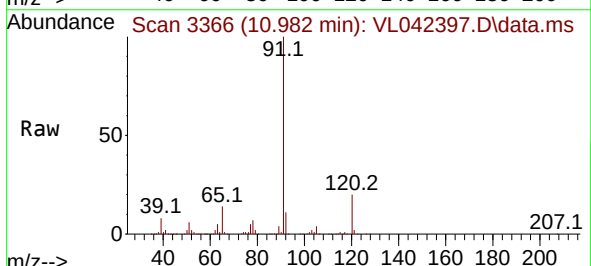
Manual Integrations
APPROVED

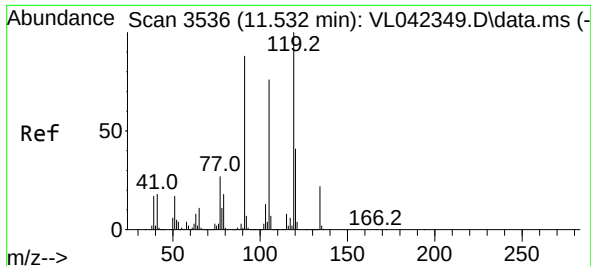
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#64
n-propylbenzene
Concen: 8.922 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

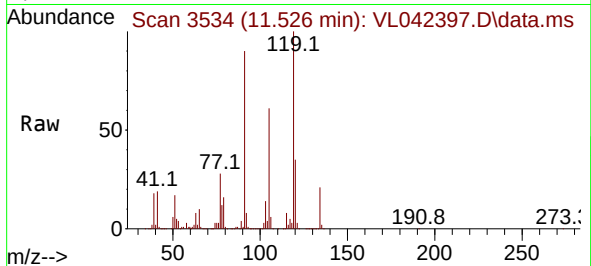
Tgt Ion:120 Resp: 155343
Ion Ratio Lower Upper
120 100
91 501.1 392.4 588.6





#65
tert-Butylbenzene
Concen: 9.015 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

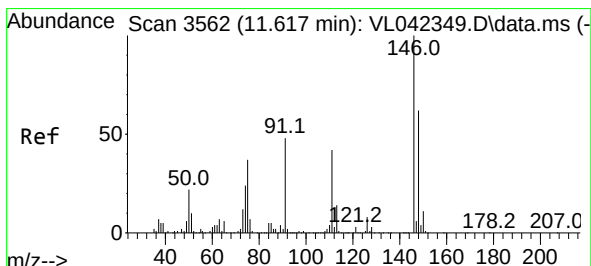
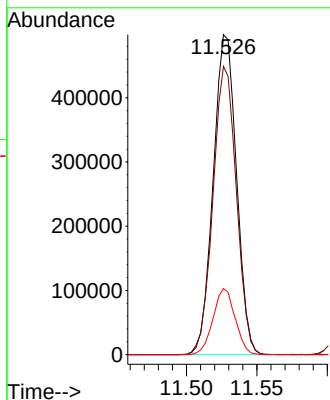
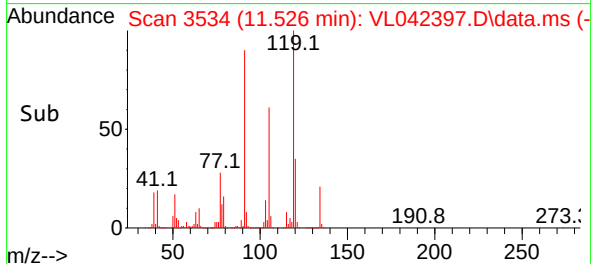
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



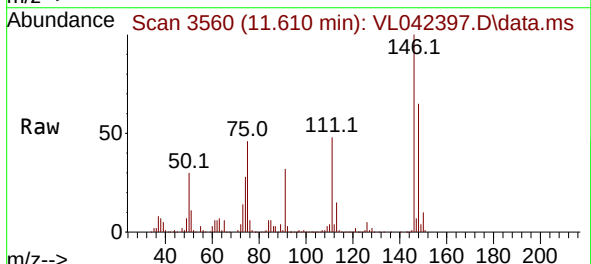
Tgt Ion: 119 Resp: 573929
Ion Ratio Lower Upper
119 100
91 90.4 74.6 111.8
134 19.6 18.8 28.2

Manual Integrations
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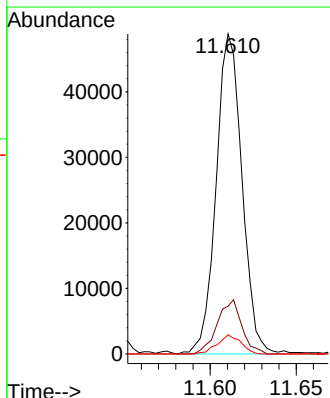
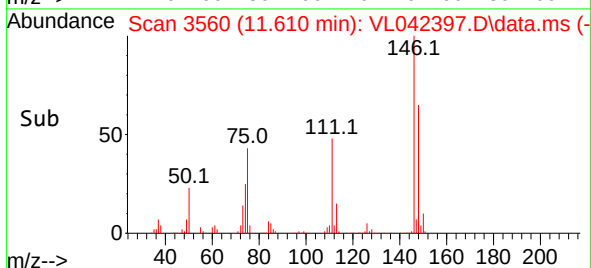
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

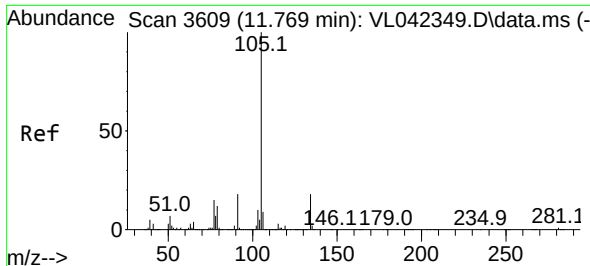


#66
Benzyl Chloride
Concen: 7.294 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



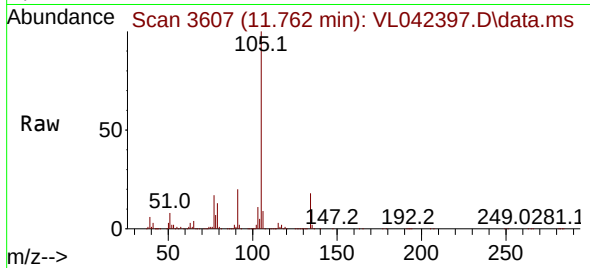
Tgt Ion: 91 Resp: 51025
Ion Ratio Lower Upper
91 100
126 16.0 11.8 17.6
128 5.4 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 9.061 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

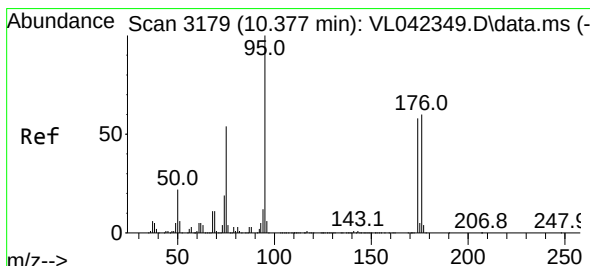
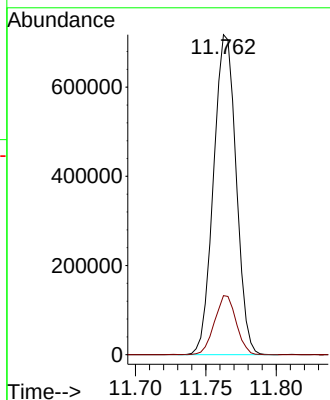
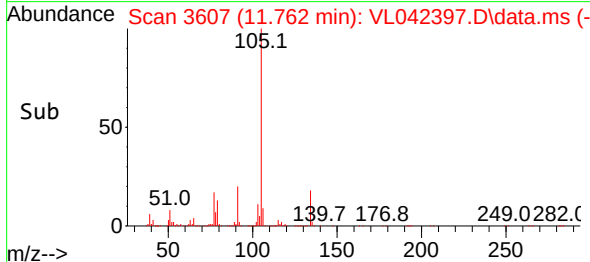
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01



Tgt Ion: 105 Resp: 80235
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8

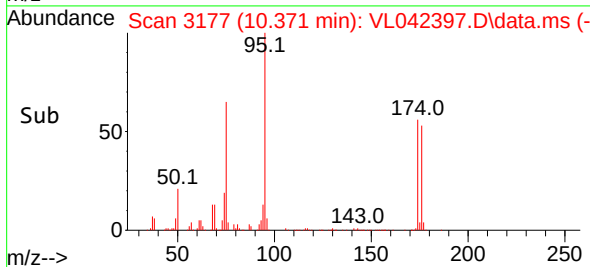
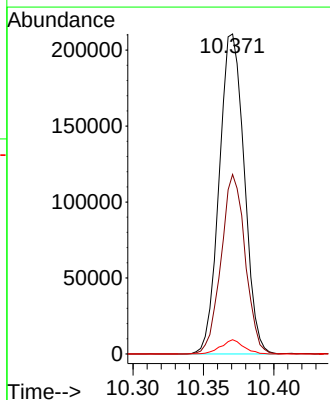
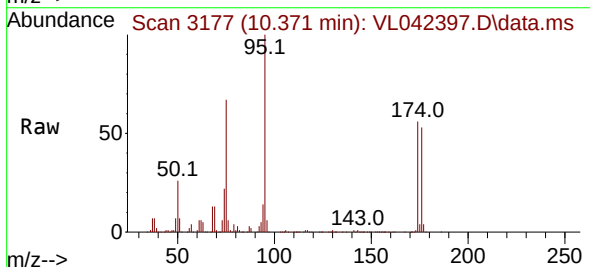
Manual Integrations
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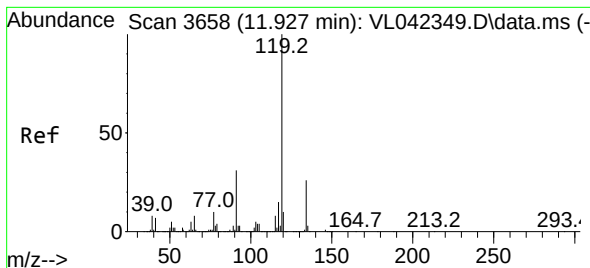
Reviewed By : Semsettin Yesilyurt 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.781 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

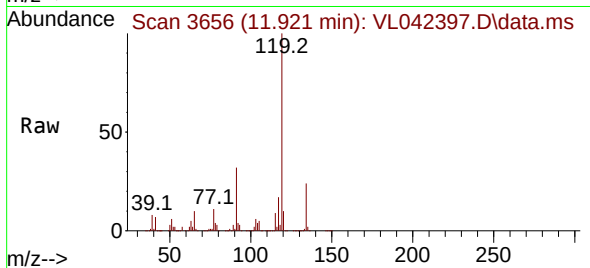
Tgt Ion: 95 Resp: 260048
 Ion Ratio Lower Upper
 95 100
 174 54.2 48.5 72.7
 175 4.0 3.7 5.5





#69
p-Isopropyltoluene
Concen: 8.910 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

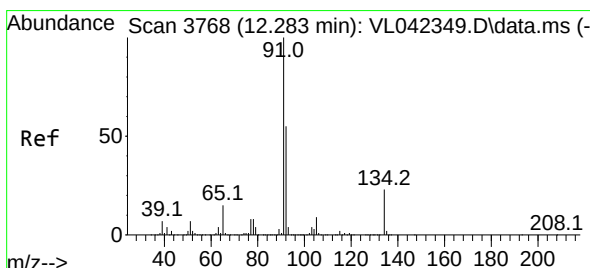
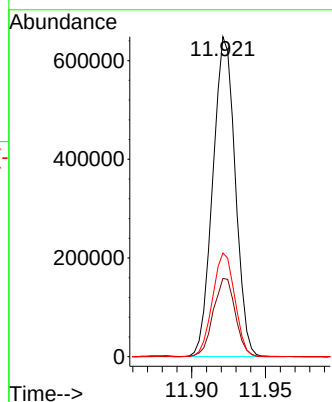
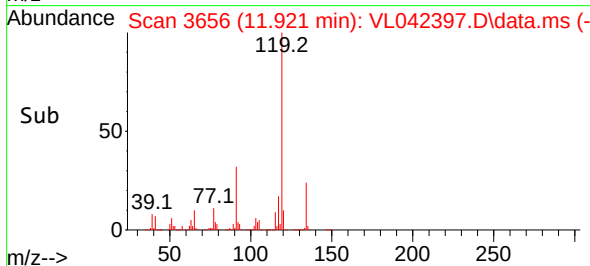
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



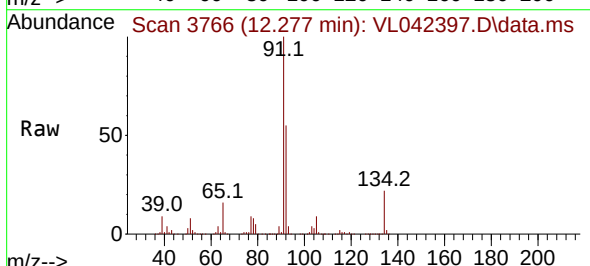
Tgt Ion:119 Resp: 685449
Ion Ratio Lower Upper
119 100
134 24.2 20.0 30.0
91 32.5 24.4 36.6

Manual Integrations
APPROVED

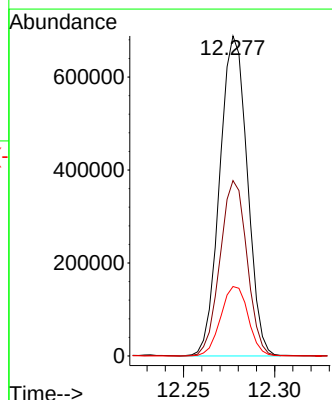
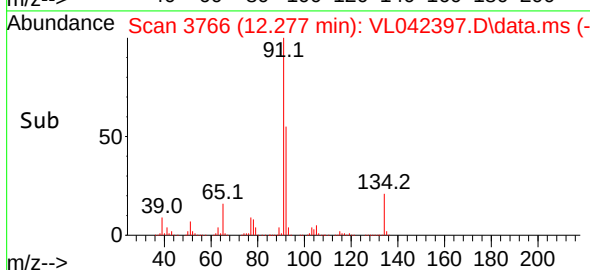
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

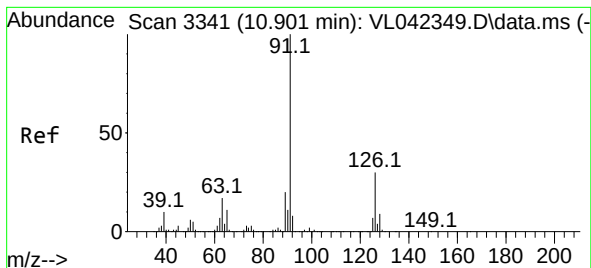


#70
n-Butylbenzene
Concen: 9.025 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



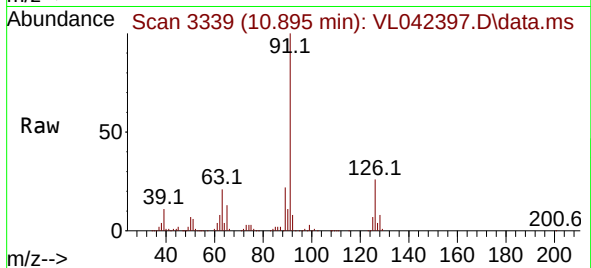
Tgt Ion: 91 Resp: 723138
Ion Ratio Lower Upper
91 100
92 54.0 44.2 66.4
134 21.7 18.2 27.4





#71
2-Chlorotoluene
Concen: 9.211 ppbv
RT: 10.895 min Scan# 3109
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

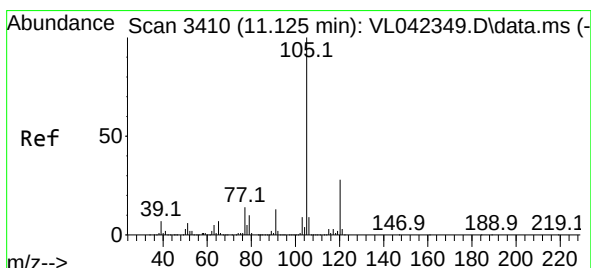
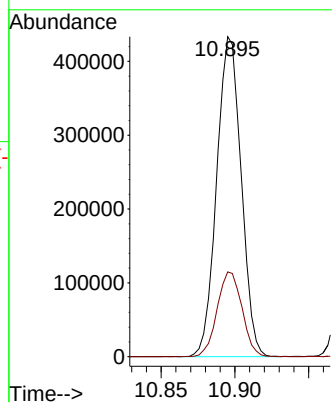
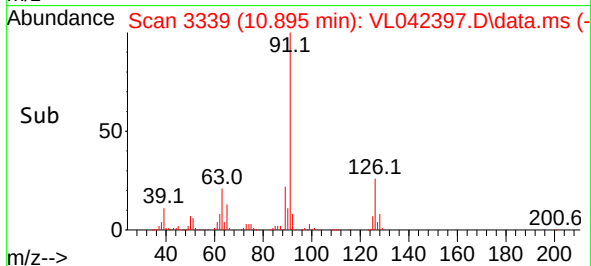
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



Tgt Ion: 91 Resp: 500409
Ion Ratio Lower Upper
91 100
126 26.8 11.4 45.4

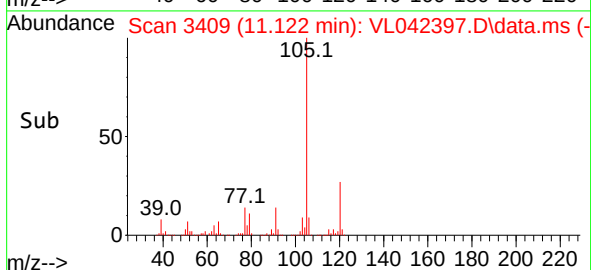
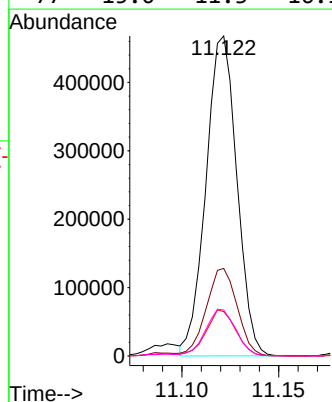
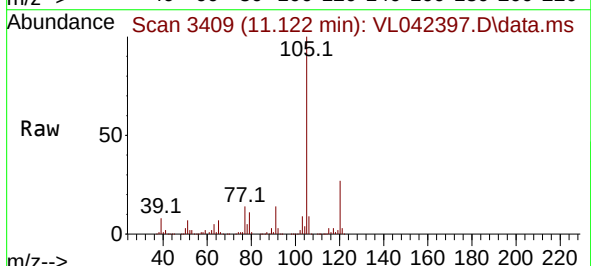
Manual Integrations
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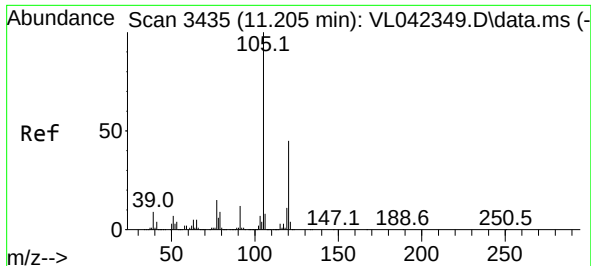
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#72
4-Ethyltoluene
Concen: 9.002 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:105 Resp: 519236
Ion Ratio Lower Upper
105 100
120 28.3 23.2 34.8
91 14.5 10.4 15.6
77 15.0 11.3 16.9





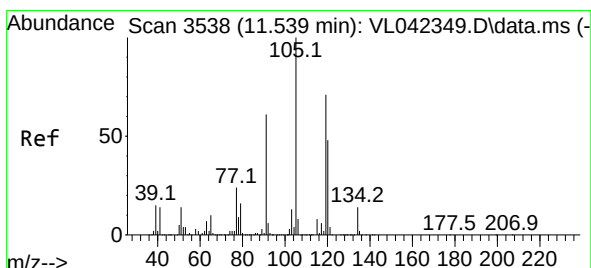
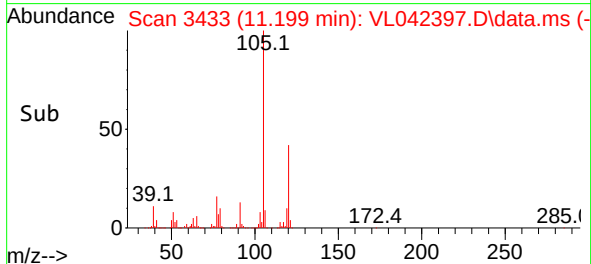
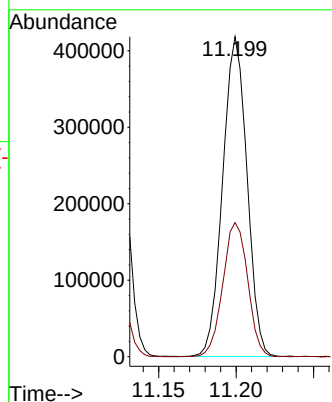
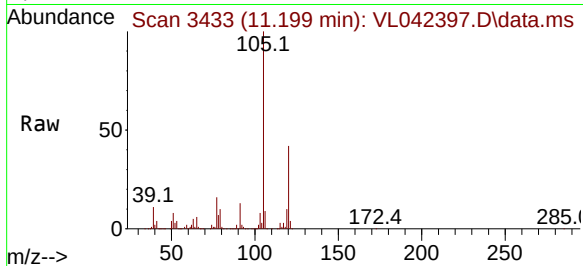
#73
 1,3,5-Trimethylbenzene
 Concen: 8.963 ppbv
 RT: 11.199 min Scan# 3435
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

Tgt Ion:105 Resp: 456404
 Ion Ratio Lower Upper
 105 100
 120 41.9 35.6 53.4

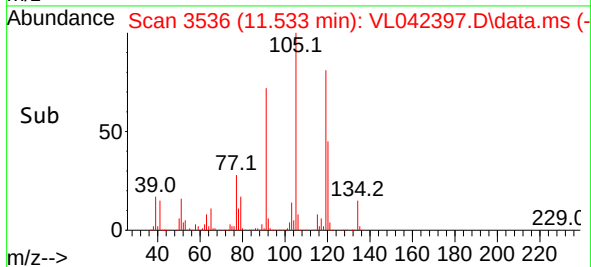
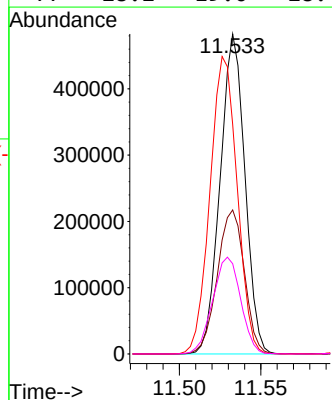
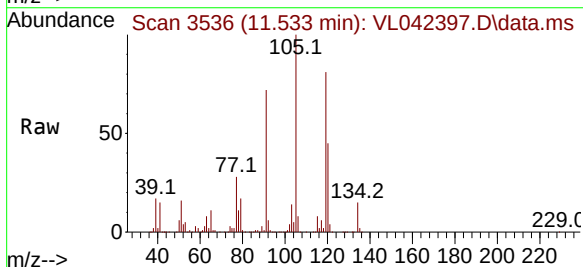
Manual Integrations
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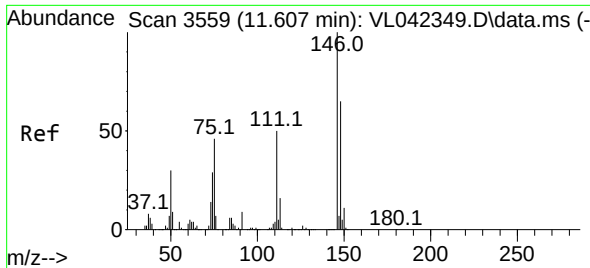
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#74
 1,2,4-Trimethylbenzene
 Concen: 8.561 ppbv
 RT: 11.533 min Scan# 3536
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

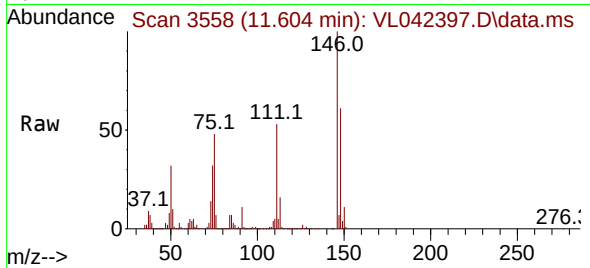
Tgt Ion:105 Resp: 509154
 Ion Ratio Lower Upper
 105 100
 120 45.0 38.1 57.1
 91 71.7 48.8 73.2
 77 28.2 19.0 28.4





#75
1,3-Dichlorobenzene
Concen: 8.652 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

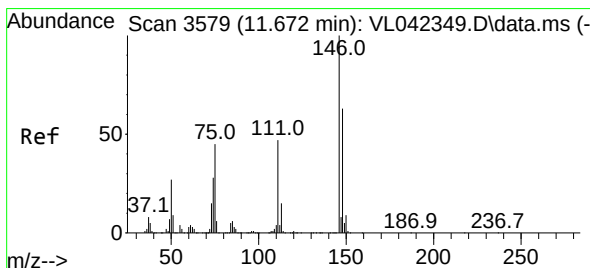
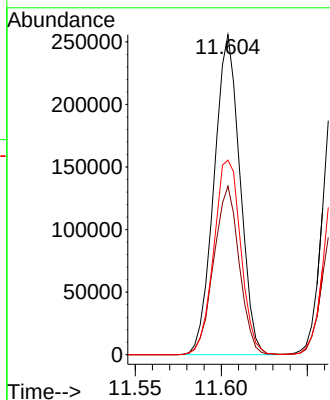
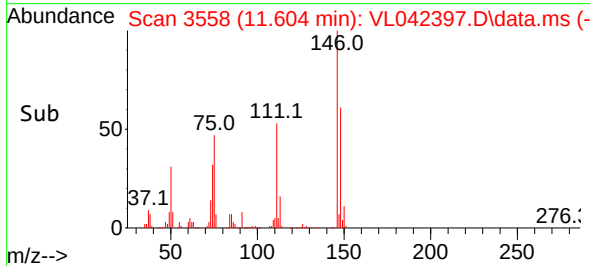
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



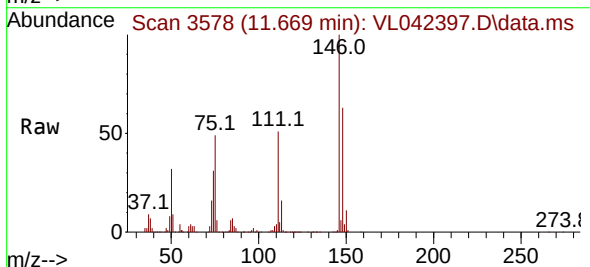
Tgt Ion:146 Resp: 267483
Ion Ratio Lower Upper
146 100
111 52.0 24.3 72.8
148 63.5 31.6 94.8

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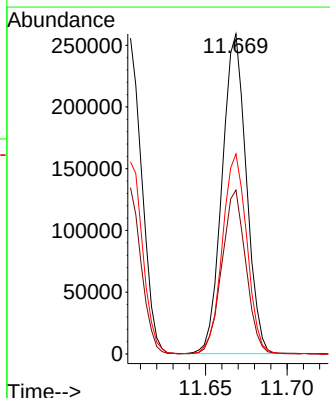
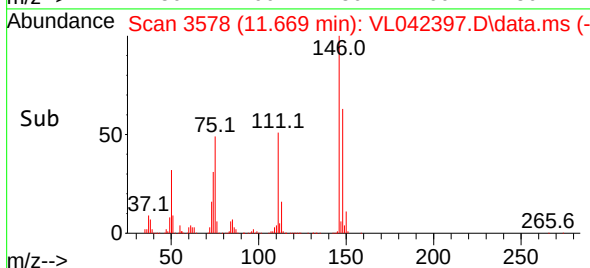
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

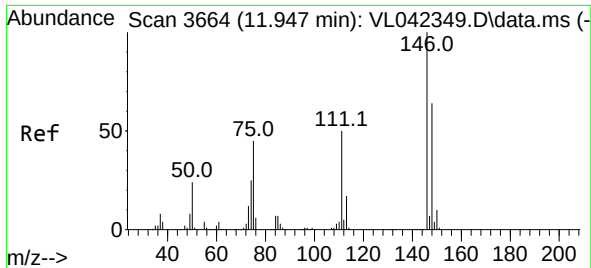


#76
1,4-Dichlorobenzene
Concen: 8.602 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



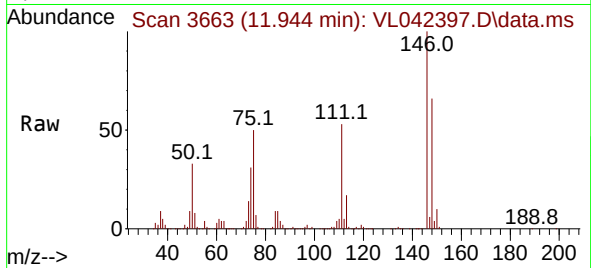
Tgt Ion:146 Resp: 267283
Ion Ratio Lower Upper
146 100
111 50.9 24.2 72.6
148 63.3 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 8.693 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

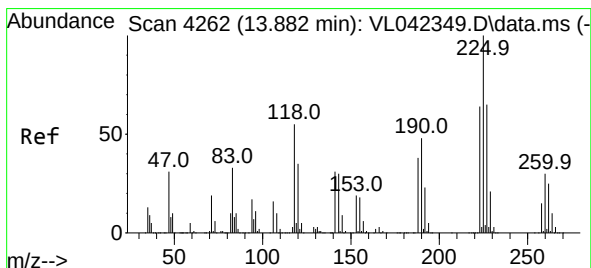
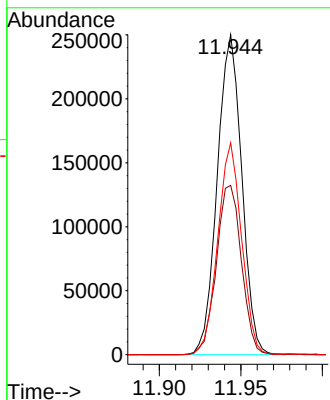
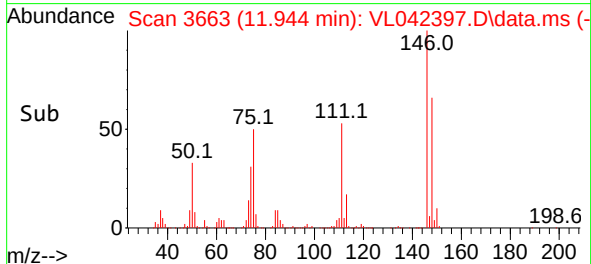
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



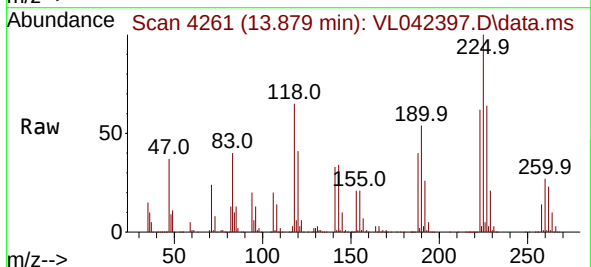
Tgt Ion:146 Resp: 261310
Ion Ratio Lower Upper
146 100
111 54.3 25.3 75.9
148 64.4 31.5 94.5

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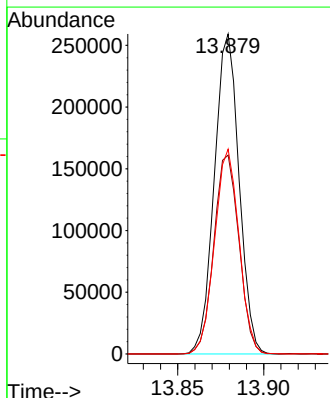
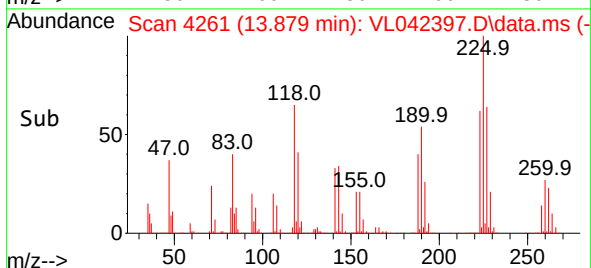
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

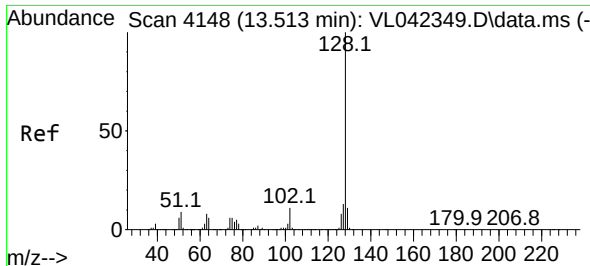


#78
Hexachloro-1,3-Butadiene
Concen: 8.537 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



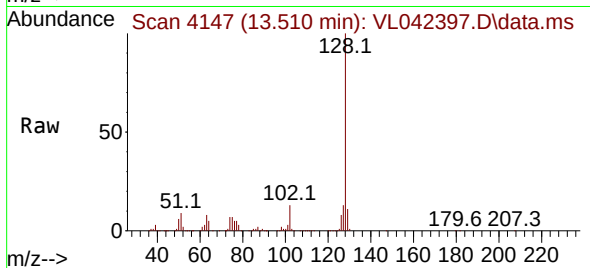
Tgt Ion:225 Resp: 259140
Ion Ratio Lower Upper
225 100
223 63.2 50.3 75.5
227 63.4 51.5 77.3





#79
Naphthalene
Concen: 8.225 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

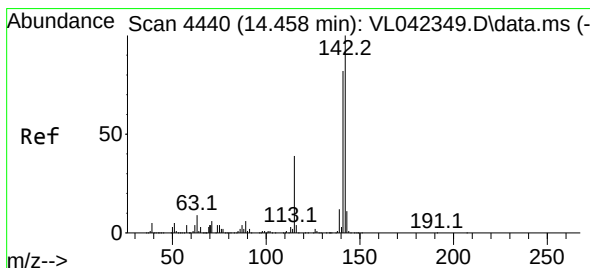
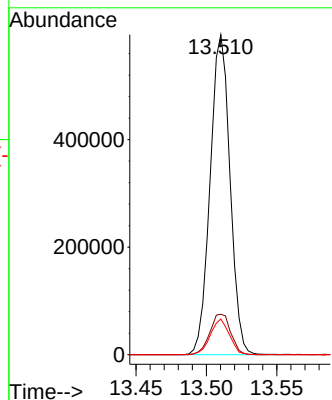
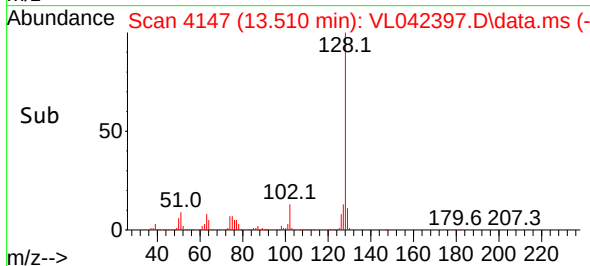
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01



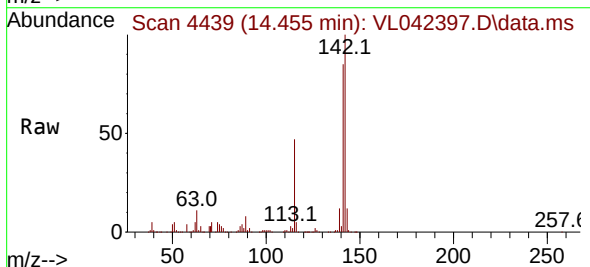
Tgt Ion:128 Resp: 58498
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 11.2 8.6 12.8

Manual Integrations
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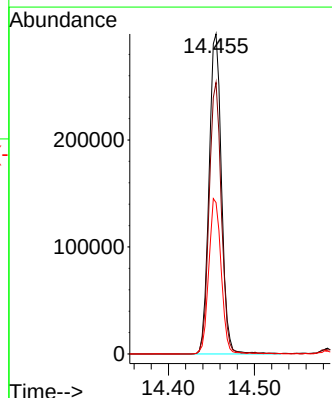
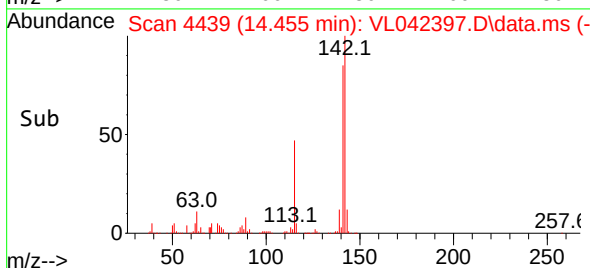
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

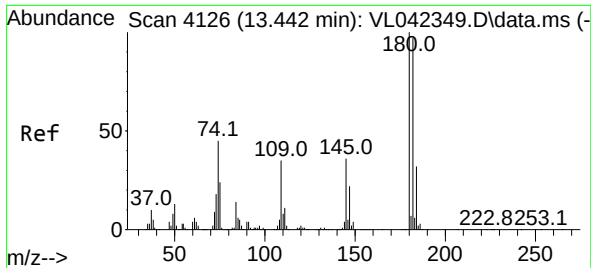


#80
Naphthalene,2-methyl-
Concen: 7.405 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14



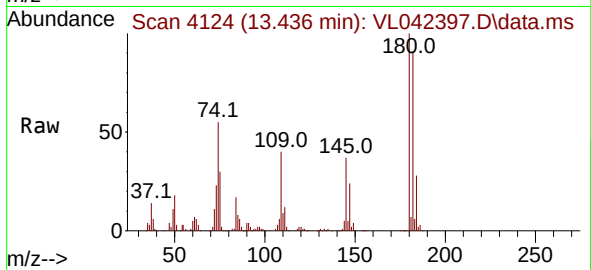
Tgt Ion:142 Resp: 300148
Ion Ratio Lower Upper
142 100
141 84.0 66.8 100.2
115 48.6 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.452 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

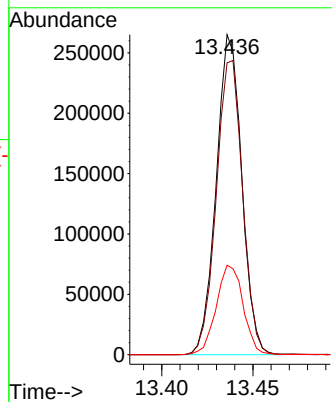
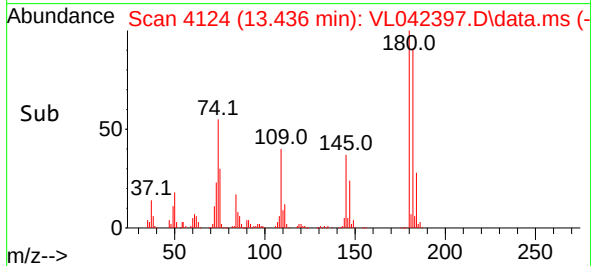
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01



Tgt Ion:180 Resp: 25810
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.8 115.2
 184 29.5 24.6 36.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



Manual Integration Report

Sequence:	VL041725	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042349.D	m/p-Xylene	SAM	4/18/2025 4:19:07 PM	MMDadoda	4/18/2025 10:45:20 PM	Peak Integrated by Software
VSTDICCC002	VL042350.D	1,4-Dioxane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICCC002	VL042350.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICCC002	VL042350.D	Ethanol	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICCC002	VL042350.D	Heptane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICCC002	VL042350.D	m/p-Xylene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICCC002	VL042350.D	Trichloroethene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICCC001	VL042351.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICCC001	VL042351.D	1,3-Butadiene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICCC001	VL042351.D	1,4-Dioxane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICCC001	VL042351.D	2,2,4-Trimethylpentane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICCC001	VL042351.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICCC001	VL042351.D	Cyclohexane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL041725	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042351.D	Ethanol	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Heptane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	m/p-Xylene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Methyl Methacrylate	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,2-Dichloropropane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,4-Dioxane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	4-Methyl-2-Pentanone	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Chlorobenzene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Ethanol	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Heptane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL041725	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042352.D	m/p-Xylene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Methyl Methacrylate	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Tetrahydrofuran	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,2-Dibromoethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	Tetrachloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	Trichloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	Carbon Tetrachloride	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	Tetrachloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vl041725

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL042354.D	Trichloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC015	VL042355.D	m/p-Xylene	SAM	4/18/2025 4:21:35 PM	MMDadoda	4/18/2025 10:44:59 PM	Peak Integrated by Software
VSTDICV010	VL042356.D	m/p-Xylene	SAM	4/18/2025 4:20:42 PM	MMDadoda	4/18/2025 10:44:57 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL042125	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042395.D	m/p-Xylene	SAM	4/22/2025 9:07:15 AM	MMDadoda	4/22/2025 1:59:41 PM	Peak Integrated by Software
VL0421ABS01	VL042397.D	m/p-Xylene	SAM	4/22/2025 9:07:22 AM	MMDadoda	4/22/2025 1:59:43 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Carbon Tetrachloride	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Chlorodifluoromethane	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Cyclohexane	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Heptane	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	o-Xylene	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Propene	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Tetrachloroethene	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-02	VL042405.D	Trichlorofluoromethane	SAM	4/22/2025 9:08:00 AM	MMDadoda	4/22/2025 1:59:56 PM	Peak Integrated by Software
Q1843-01	VL042409.D	2-Hexanone	SAM	4/22/2025 9:08:54 AM	MMDadoda	4/22/2025 2:00:04 PM	Peak Integrated by Software
Q1843-01	VL042409.D	Ethanol	SAM	4/22/2025 9:08:54 AM	MMDadoda	4/22/2025 2:00:04 PM	Peak Integrated by Software
Q1843-01	VL042409.D	Heptane	SAM	4/22/2025 9:08:54 AM	MMDadoda	4/22/2025 2:00:04 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL042125

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1843-01	VL042409.D	sec-Butylbenzene	SAM	4/22/2025 9:08:54 AM	MMDadoda	4/22/2025 2:00:04 PM	Peak Integrated by Software
Q1843-01	VL042409.D	Toluene	SAM	4/22/2025 9:08:54 AM	MMDadoda	4/22/2025 2:00:04 PM	Peak Integrated by Software
Q1843-01DUP	VL042411.D	2-Hexanone	SAM	4/22/2025 9:07:49 AM	MMDadoda	4/22/2025 2:00:08 PM	Peak Integrated by Software
Q1843-01DUP	VL042411.D	Ethanol	SAM	4/22/2025 9:07:49 AM	MMDadoda	4/22/2025 2:00:08 PM	Peak Integrated by Software
Q1843-01DUP	VL042411.D	Heptane	SAM	4/22/2025 9:07:49 AM	MMDadoda	4/22/2025 2:00:08 PM	Peak Integrated by Software
Q1843-01DUP	VL042411.D	Tetrachloroethene	SAM	4/22/2025 9:07:49 AM	MMDadoda	4/22/2025 2:00:08 PM	Peak Integrated by Software
Q1843-01DUP	VL042411.D	Toluene	SAM	4/22/2025 9:07:49 AM	MMDadoda	4/22/2025 2:00:08 PM	Peak Integrated by Software

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Maresh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2590			
Initial Calibration Stds		AP2598,AP2599,AP2600			
CCC		AP2598			
Internal Standard/PEM		AP2590			
ICV/I.BLK		AP2601			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042348.D	17 Apr 2025 07:50	SY/MD	Ok
2	VSTDICCC010	VL042349.D	17 Apr 2025 09:44	SY/MD	Ok,M
3	VSTDICCC002	VL042350.D	17 Apr 2025 10:17	SY/MD	Ok,M
4	VSTDICCC001	VL042351.D	17 Apr 2025 10:48	SY/MD	Ok,M
5	VSTDICCC0.5	VL042352.D	17 Apr 2025 11:19	SY/MD	Ok,M
6	VSTDICCC0.1	VL042353.D	17 Apr 2025 11:50	SY/MD	Ok,M
7	VSTDICCC0.03	VL042354.D	17 Apr 2025 12:22	SY/MD	Ok,M
8	VSTDICCC015	VL042355.D	17 Apr 2025 12:54	SY/MD	Ok,M
9	VSTDICV010	VL042356.D	17 Apr 2025 13:43	SY/MD	Ok,M
10	VL0417ABL01	VL042357.D	17 Apr 2025 14:23	SY/MD	Ok
11	VL0417ABS01	VL042358.D	17 Apr 2025 15:39	SY/MD	Ok,M
12	Q1665-15	VL042359.D	17 Apr 2025 16:12	SY/MD	Dilution
13	Q1665-15DL	VL042360.D	17 Apr 2025 16:44	SY/MD	Ok,M
14	Q1668-01	VL042361.D	17 Apr 2025 17:17	SY/MD	Dilution
15	Q1668-01DUP	VL042362.D	17 Apr 2025 17:51	SY/MD	Ok,M
16	Q1668-03	VL042363.D	17 Apr 2025 18:24	SY/MD	Dilution
17	Q1668-04	VL042364.D	17 Apr 2025 18:58	SY/MD	Ok,M
18	Q1668-02	VL042365.D	17 Apr 2025 19:31	SY/MD	Ok,M
19	Q1726-01	VL042366.D	17 Apr 2025 20:05	SY/MD	Dilution
20	Q1726-02	VL042367.D	17 Apr 2025 20:38	SY/MD	Dilution
21	Q1726-03	VL042368.D	17 Apr 2025 21:12	SY/MD	Dilution

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Maresh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M
STD. NAME		STD REF.#			
Tune/Reschk	AP2590				
Initial Calibration Stds	AP2598,AP2599,AP2600				
CCC	AP2598				
Internal Standard/PEM	AP2590				
ICV/I.BLK	AP2601				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1726-04	VL042369.D	17 Apr 2025 21:45	SY/MD	Dilution
23	Q1726-05	VL042370.D	17 Apr 2025 22:19	SY/MD	Dilution
24	Q1726-06	VL042371.D	17 Apr 2025 22:52	SY/MD	Dilution
25	Q1726-07	VL042372.D	17 Apr 2025 23:26	SY/MD	Dilution
26	Q1726-07DL	VL042373.D	17 Apr 2025 23:57	SY/MD	Dilution
27	Q1668-01DL	VL042374.D	18 Apr 2025 00:28	SY/MD	Ok,M
28	Q1668-03DL	VL042375.D	18 Apr 2025 00:59	SY/MD	Ok,M
29	Q1726-01DL	VL042376.D	18 Apr 2025 01:30	SY/MD	Dilution
30	Q1726-02DL	VL042377.D	18 Apr 2025 02:01	SY/MD	Dilution
31	Q1726-03DL	VL042378.D	18 Apr 2025 02:32	SY/MD	Dilution
32	Q1726-04DL	VL042379.D	18 Apr 2025 03:03	SY/MD	Dilution
33	Q1726-05DL	VL042380.D	18 Apr 2025 03:34	SY/MD	Dilution
34	Q1726-06DL	VL042381.D	18 Apr 2025 04:05	SY/MD	Dilution

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 9:39:52 AM		
Supervise By	Maresh Dadoda	Supervise On	4/22/2025 2:00:33 PM		
SubDirectory	VL042125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2602			
Initial Calibration Stds		AP2598,AP2599,AP2600			
CCC		AP2598			
Internal Standard/PEM		AP2602			
ICV/I.BLK		AP2601			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042394.D	21 Apr 2025 07:58	SY/MD	Ok
2	VSTDCCC010	VL042395.D	21 Apr 2025 08:41	SY/MD	Ok,M
3	VL0421ABL01	VL042396.D	21 Apr 2025 09:28	SY/MD	Ok
4	VL0421ABS01	VL042397.D	21 Apr 2025 10:14	SY/MD	Ok,M
5	QC041625 CAN 10329	VL042398.D	21 Apr 2025 11:04	SY/MD	Not Ok
6	QC041625 CAN 10329	VL042399.D	21 Apr 2025 11:36	SY/MD	Ok
7	Q1801-01	VL042400.D	21 Apr 2025 12:07	SY/MD	Ok,M
8	Q1801-02	VL042401.D	21 Apr 2025 12:51	SY/MD	Ok,M
9	Q1844-02	VL042402.D	21 Apr 2025 13:38	SY/MD	Dilution
10	Q1844-02DUP	VL042403.D	21 Apr 2025 14:13	SY/MD	Ok,M
11	Q1844-02DL	VL042404.D	21 Apr 2025 14:44	SY/MD	Ok,M
12	Q1843-02	VL042405.D	21 Apr 2025 15:18	SY/MD	Ok,M
13	Q1843-02DL	VL042406.D	21 Apr 2025 15:49	SY/MD	Not Ok
14	Q1844-01	VL042407.D	21 Apr 2025 16:20	SY/MD	Dilution
15	Q1844-01DL	VL042408.D	21 Apr 2025 16:51	SY/MD	Dilution
16	Q1843-01	VL042409.D	21 Apr 2025 17:23	SY/MD	Ok,M
17	Q1843-01DL	VL042410.D	21 Apr 2025 17:54	SY/MD	Not Ok
18	Q1843-01DUP	VL042411.D	21 Apr 2025 19:16	SY/MD	Ok,M
19	QC041725 CA 27806	VL042412.D	21 Apr 2025 19:47	SY/MD	Not Ok
20	QC041725 CA 27806	VL042413.D	21 Apr 2025 20:18	SY/MD	Ok
21	Q1844-01DL2	VL042414.D	22 Apr 2025 07:47	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM
Supervise By	Maresh Dadoda	Supervise On	4/18/2025 10:46:12 PM
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M HP Processing Method VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042348.D	17 Apr 2025 07:50		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042349.D	17 Apr 2025 09:44		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042350.D	17 Apr 2025 10:17		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042351.D	17 Apr 2025 10:48		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042352.D	17 Apr 2025 11:19		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042353.D	17 Apr 2025 11:50		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042354.D	17 Apr 2025 12:22		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042355.D	17 Apr 2025 12:54		SY/MD	Ok,M
9	VSTDICV010	ICVVL041725	VL042356.D	17 Apr 2025 13:43		SY/MD	Ok,M
10	VL0417ABL01	VL0417ABL01	VL042357.D	17 Apr 2025 14:23		SY/MD	Ok
11	VL0417ABS01	VL0417ABS01	VL042358.D	17 Apr 2025 15:39		SY/MD	Ok,M
12	Q1665-15	IA-B14-1-3242025	VL042359.D	17 Apr 2025 16:12	Need 10X	SY/MD	Dilution
13	Q1665-15DL	IA-B14-1-3242025DL	VL042360.D	17 Apr 2025 16:44		SY/MD	Ok,M
14	Q1668-01	IA-B1-4-3252025	VL042361.D	17 Apr 2025 17:17	Need 4X	SY/MD	Dilution
15	Q1668-01DUP	IA-B1-4-3252025DUP	VL042362.D	17 Apr 2025 17:51		SY/MD	Ok,M
16	Q1668-03	IA-B1-3-3252025	VL042363.D	17 Apr 2025 18:24	Need 4X	SY/MD	Dilution
17	Q1668-04	IA-B1-1-3252025	VL042364.D	17 Apr 2025 18:58		SY/MD	Ok,M
18	Q1668-02	IA-B1-2-3252025	VL042365.D	17 Apr 2025 19:31		SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M
		HP Processing Method	VL041725AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2590		
Initial Calibration Stds	AP2598,AP2599,AP2600		
CCC	AP2598		
Internal Standard/PEM	AP2590		
ICV/I.BLK	AP2601		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1726-01	IA-DUP-3-03312025	VL042366.D	17 Apr 2025 20:05	Need 20X	SY/MD	Dilution
20	Q1726-02	IA-B2-6-03312025	VL042367.D	17 Apr 2025 20:38	Need 20X	SY/MD	Dilution
21	Q1726-03	IA-B2-2-03312025	VL042368.D	17 Apr 2025 21:12	Need 20X	SY/MD	Dilution
22	Q1726-04	IA-B2-5-03312025	VL042369.D	17 Apr 2025 21:45	Need 20X	SY/MD	Dilution
23	Q1726-05	IA-B2-1-03312025	VL042370.D	17 Apr 2025 22:19	Need 20X	SY/MD	Dilution
24	Q1726-06	IA-B2-3-03312025	VL042371.D	17 Apr 2025 22:52	Need 20X	SY/MD	Dilution
25	Q1726-07	IA-B2-4-03312025	VL042372.D	17 Apr 2025 23:26	Need 20X	SY/MD	Dilution
26	Q1726-07DL	IA-B2-4-03312025DL	VL042373.D	17 Apr 2025 23:57	Need 40X	SY/MD	Dilution
27	Q1668-01DL	IA-B1-4-3252025DL	VL042374.D	18 Apr 2025 00:28		SY/MD	Ok,M
28	Q1668-03DL	IA-B1-3-3252025DL	VL042375.D	18 Apr 2025 00:59		SY/MD	Ok,M
29	Q1726-01DL	IA-DUP-3-03312025DL	VL042376.D	18 Apr 2025 01:30	Need 40X	SY/MD	Dilution
30	Q1726-02DL	IA-B2-6-03312025DL	VL042377.D	18 Apr 2025 02:01	Need 40X	SY/MD	Dilution
31	Q1726-03DL	IA-B2-2-03312025DL	VL042378.D	18 Apr 2025 02:32	Need 100X	SY/MD	Dilution
32	Q1726-04DL	IA-B2-5-03312025DL	VL042379.D	18 Apr 2025 03:03	Need 40X	SY/MD	Dilution
33	Q1726-05DL	IA-B2-1-03312025DL	VL042380.D	18 Apr 2025 03:34	Need 100X	SY/MD	Dilution
34	Q1726-06DL	IA-B2-3-03312025DL	VL042381.D	18 Apr 2025 04:05	Need 100X	SY/MD	Dilution

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 9:39:52 AM
Supervise By	Maresh Dadoda	Supervise On	4/22/2025 2:00:33 PM
SubDirectory	VL042125	HP Acquire Method	TO15AIR.M
		HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042394.D	21 Apr 2025 07:58		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042395.D	21 Apr 2025 08:41		SY/MD	Ok,M
3	VL0421ABL01	VL0421ABL01	VL042396.D	21 Apr 2025 09:28		SY/MD	Ok
4	VL0421ABS01	VL0421ABS01	VL042397.D	21 Apr 2025 10:14		SY/MD	Ok,M
5	QC041625 CAN 10329	QC041625 CAN 10329	VL042398.D	21 Apr 2025 11:04	Contaminated	SY/MD	Not Ok
6	QC041625 CAN 10329	QC041625 CAN 10329	VL042399.D	21 Apr 2025 11:36		SY/MD	Ok
7	Q1801-01	SS2R	VL042400.D	21 Apr 2025 12:07		SY/MD	Ok,M
8	Q1801-02	SS3	VL042401.D	21 Apr 2025 12:51		SY/MD	Ok,M
9	Q1844-02	IA1	VL042402.D	21 Apr 2025 13:38	Need 5X	SY/MD	Dilution
10	Q1844-02DUP	IA1DUP	VL042403.D	21 Apr 2025 14:13		SY/MD	Ok,M
11	Q1844-02DL	IA1DL	VL042404.D	21 Apr 2025 14:44		SY/MD	Ok,M
12	Q1843-02	IA1	VL042405.D	21 Apr 2025 15:18		SY/MD	Ok,M
13	Q1843-02DL	IA1DL	VL042406.D	21 Apr 2025 15:49	Not required	SY/MD	Not Ok
14	Q1844-01	SV1	VL042407.D	21 Apr 2025 16:20	Need 40X	SY/MD	Dilution
15	Q1844-01DL	SV1DL	VL042408.D	21 Apr 2025 16:51	Need 600X	SY/MD	Dilution
16	Q1843-01	SV1	VL042409.D	21 Apr 2025 17:23		SY/MD	Ok,M
17	Q1843-01DL	SV1DL	VL042410.D	21 Apr 2025 17:54	Not required	SY/MD	Not Ok
18	Q1843-01DUP	SV1DUP	VL042411.D	21 Apr 2025 19:16		SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 9:39:52 AM
Supervise By	Maresh Dadoda	Supervise On	4/22/2025 2:00:33 PM
SubDirectory	VL042125	HP Acquire Method	TO15AIR.M
		HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	QC041725 CA 27806	QC041725 CA 27806	VL042412.D	21 Apr 2025 19:47	Contaminated	SY/MD	Not Ok
20	QC041725 CA 27806	QC041725 CA 27806	VL042413.D	21 Apr 2025 20:18		SY/MD	Ok
21	Q1844-01DL2	SV1DL2	VL042414.D	22 Apr 2025 07:47		SY/MD	Ok,M

M : Manual Integration

Client Contact Information				Bottle Order ID : B2504022				Courier : F. Galdun				1 of 2 COCs						
Client ID : GFEL01				Project ID : 10-Elbridge St.				Sampler Name(s) : FRANK GALDUN				Analysis						
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Matrix						
				Phone Number : 646-542-3465														
				Fax Number : 973-334-1692														
				Site Details: 82-64 AUSTIN ST. KEW GARDENS, NY														
Analysis Turnaround Time 5 DAY				Standard : 17 business days OR				Data Package Type : RESULTS ONLY				Indoor/Ambient Air Soil Gas						
Rush (Specify): 3 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					
SU1	4/18/25	8:49	10:49	30	6	70	72	-30	-6.7	10579	10605	6 L	50	VL042316.D				
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]								
		Ambient	Maximum	Minimum														
Start																		
Stop																		
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYLCHLORIDE 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: 14.2																		
Sampling site (State):																		
Quick Connector required : NO																		
Canisters Shipped by: [Signature]				Date/Time: 04/15/25				Canisters Received by: [Signature]				Date/Time: 4/18/25 1200						
Samples Relinquished by: [Signature]				Date/Time: 4/19/25				Received by:				Date/Time:						
Relinquished by:				Date/Time:				Received by:				Date/Time:						
B2504022 - 4																		

Client Contact Information				Bottle Order ID : B2504022				Courier : F. GALDUN				2 of 2 COCs			
Client ID : GFEL01				Project ID : 10-14-12 St.				Sampler Name(s) : FRANK GALDUN				Analysis			
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor Ambient Air Soil Gas			
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: 454 SHERIDAN BLD. INWOOD, NY											
City : Lake Hiawatha				Analysis Turnaround Time 5 DAY				Data Package Type : RESULTS ONLY							
State : NJ				Standard : 10 business days OR											
Zip Code : 07034				Rush (Specify): 5 Days				EDD Type : PDF							
Country :															

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
IAI	4/10/25	8:12	10:19	30	6			-30	-6.3	10503	10303	6 L	50	VL042316.D	1	1

Temperature (Fahrenheit)			
	Ambient	Maximum	Minimum
Start			
Stop			

Pressure (Inches of Hg)			
	Ambient	Maximum	Minimum
Start			
Stop			

GC/MS Analyst Signature (TO-15) SIA

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

REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYL CHLORIDE

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low

Sampling site (State):

Quick Connector required : **No**

Canisters Shipped by: SP3	Date/Time: 4/10/25	Canisters Received by: JA	Date/Time: 4/10/25 1200
Samples Relinquished by: FRANK	Date/Time: 4/10/25	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

B2504022 - 2

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>
NOISE	Title: <u>Sample Custodian</u>
Field Sample Seal No.: <u>Q1843</u>	Date Broken: <u>4/18/2025</u>
Case No.: <u>82-64 Austin St, Kew Gard</u>	Military Time Seal Broken: <u>12:00:00</u>
	Analytical Parameter/Fraction: <u>MOCCMS Group2</u>

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1843-01	SV1		
Q1843-02	IA1		

Date	Time	Relinquished By		Received By		Purpose of Change of Custody
		Signature		Signature		
4/21	0820					
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		
		Signature		Signature		
		Printed Name		Printed Name		

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

Process Report

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

Order ID : Q1843

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can. Size	Reg ID	Reg Size	Batch Code	Certification ID
04/21/2025	B2504022	Q1843-01	-6.7	10605	6 L	10579		C2504006	VL042316.D Seq : VL041125 TUNE : VL042311.D ICAL : VL042177.D CCAL : VL042312.D MB : VL042313.D
04/21/2025	B2504022	Q1843-02	-6.3	10303	6 L	10503		C2504006	VL042316.D Seq : VL041125 TUNE : VL042311.D ICAL : VL042177.D CCAL : VL042312.D MB : VL042313.D

CHEMTECH 0.2

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

Client Sample ID #: **01A1**

Client Name: **GFE**

Project Name: **AUSTIN ST.**

Date: **4/17**

Time:

Analysis: **TO-15**

Comments:

CHEMTECH'S SAMPLE ID

Date Received: _____

Storage Location: VOA Lab

Sample: Q1843-02

Cust #: IA1

CHEMTECH 14.2

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

Client Sample ID #: **SV1**

Client Name: **GFE**

Project Name: **AUSTIN ST.**

Date: **4/17**

Time:

Analysis: **TO-15**

Comments:

CHEMTECH'S SAMPLE ID

Date Received: _____

Storage Location: VOA Lab

Sample: Q1843-01

Cust #: SV1