

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042048.D
 Acq On : 25 Feb 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL022525

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:31:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	158881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	406520	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	350262	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 274527 10.188 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	158709	9.606	ppbv	99
3) Chlorodifluoromethane	1.479	51	219646	9.512	ppbv	100
4) Chloromethane	1.537	50	54628	8.941	ppbv	100
5) Vinyl Chloride	1.586	62	52672	9.114	ppbv	98
6) Bromomethane	1.673	94	25374	9.221	ppbv	100
7) Chloroethane	1.709	64	22174	9.443	ppbv #	87
8) Dichlorotetrafluoroethane	1.560	85	127046	9.354	ppbv	100
9) Propene	1.489	41	90844	9.657	ppbv	96
10) Heptane	5.010	43	269133	9.188	ppbv	99
11) Trichlorofluoromethane	1.884	101	156871	9.476	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	115089	8.715	ppbv	99
13) Ethanol	1.728	45	2630	4.404	ppbv	98
14) Bromoethene	1.790	108	43546	9.338	ppbv	98
15) Acetone	1.842	43	118697	8.460	ppbv	97
16) 1,3-Butadiene	1.615	39	61603	9.434	ppbv	98
17) tert-Butyl alcohol	2.049	59	154116	8.779	ppbv	98
18) 1,1-Dichloroethene	2.042	96	51973	8.711	ppbv	98
19) Isopropyl Alcohol	1.894	45	69546	8.629	ppbv	96
20) Methylene Chloride	2.072	84	42028	7.919	ppbv	96
21) Allyl Chloride	2.104	41	90745	8.951	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	59140	8.502	ppbv	98
23) Vinyl Acetate	2.476	43	93605	9.488	ppbv #	98
24) 1,1-Dichloroethane	2.421	63	112869	8.721	ppbv	100
25) Ethyl Acetate	2.852	43	533113	9.492	ppbv	99
26) Hexane	2.839	57	208955	9.203	ppbv	97
27) Carbon Disulfide	2.159	76	138176	8.978	ppbv	97
28) Methyl tert-Butyl Ether	2.453	73	94554	8.365	ppbv	100
29) Chloroform	2.865	83	281191	9.202	ppbv	97
30) Cyclohexane	3.878	84	168830	9.161	ppbv	94
31) cis-1,2-Dichloroethene	2.735	61	199564	9.285	ppbv	99
32) 1,1,1-Trichloroethane	3.386	97	278512	9.396	ppbv	98
34) 2-Butanone	2.570	43	308064	9.727	ppbv	97
35) Carbon Tetrachloride	3.784	117	276599	9.867	ppbv	98
36) Benzene	3.677	78	399804	9.395	ppbv	98
37) 1,2-Dichloroethane	3.233	62	223946	9.491	ppbv	99
38) Trichloroethene	4.573	130	156488	9.005	ppbv	96
39) 1,2-Dichloropropane	4.340	63	152063	9.414	ppbv	97
40) 1,4-Dioxane	4.616	88	65010	8.817	ppbv #	98
41) Tetrahydrofuran	3.072	42	181453	9.696	ppbv	99
42) Bromodichloromethane	4.512	83	305385	9.606	ppbv	97
43) Methyl Methacrylate	4.910	69	160954	9.685	ppbv	95
44) 2,2,4-Trimethylpentane	4.667	57	712051	9.480	ppbv	99
45) t-1,3-Dichloropropene	6.447	75	159680	9.671	ppbv	90

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	206836	9.680	ppbv	96
47) 1,1,2-Trichloroethane	6.613	97	148220	9.039	ppbv	95
48) Dibromochloromethane	7.412	129	241593	9.407	ppbv	100
49) Bromoform	9.503	173	210370	9.432	ppbv	98
50) 4-Methyl-2-Pentanone	5.790	43	431123	10.526	ppbv	98
51) 2-Hexanone	7.464	43	354515	12.576	ppbv #	100
52) Tetrachloroethene	8.247	164	134062	9.202	ppbv	97
53) Toluene	6.962	91	448495	9.430	ppbv	98
54) 1,2-Dibromoethane	7.677	107	206335	9.307	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.946	131	182800	9.234	ppbv	99
57) Chlorobenzene	8.943	112	334696	9.216	ppbv	99
58) Ethyl Benzene	9.377	91	613622	9.513	ppbv	99
59) m/p-Xylene	9.571	91	977425m	19.041	ppbv	
60) o-Xylene	9.985	91	481683	9.334	ppbv	100
61) Styrene	9.891	104	241617	9.959	ppbv	99
62) Isopropylbenzene	10.558	105	729350	9.437	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	312794	9.204	ppbv	99
64) n-propylbenzene	11.008	120	192704	9.506	ppbv	99
65) tert-Butylbenzene	11.548	119	632202	8.988	ppbv	100
66) Benzyl Chloride	11.633	91	52645	9.808	ppbv	98
67) sec-Butylbenzene	11.785	105	914405	9.090	ppbv	99
69) p-Isopropyltoluene	11.940	119	753761	9.418	ppbv	100
70) n-Butylbenzene	12.296	91	781034	9.560	ppbv	99
71) 2-Chlorotoluene	10.917	91	559993	9.399	ppbv	100
72) 4-Ethyltoluene	11.144	105	602156	9.557	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	505451	9.248	ppbv	100
74) 1,2,4-Trimethylbenzene	11.555	105	547176	8.891	ppbv	95
75) 1,3-Dichlorobenzene	11.623	146	324491	9.161	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	322712	9.176	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	312159	9.081	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	228480	8.543	ppbv	99
79) Naphthalene	13.529	128	513148	12.160	ppbv	98
80) Naphthalene,2-methyl-	14.474	142	198077	17.152	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	234354	9.965	ppbv	97

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

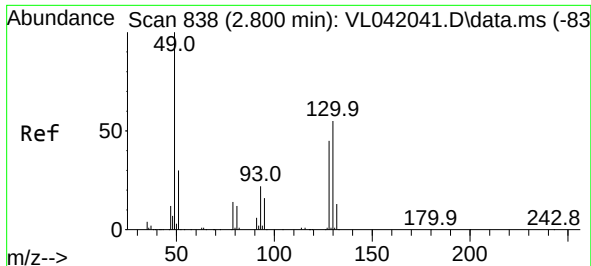
Manual Integrations

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

TIC: VL042048.D\data.ms

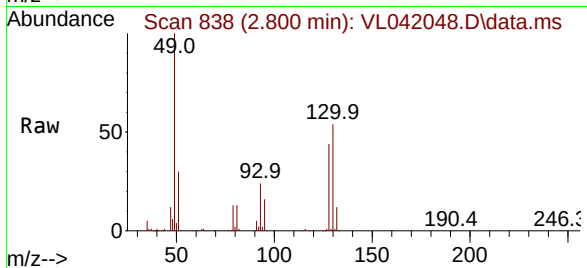
The chromatogram displays a complex mixture of compounds. Key peaks include:

- Ethylbenzene, Toluene, Chlorobenzene, and various chlorinated benzenes (e.g., 1-chloro-2-methylbenzene, 1,2-dichlorobenzene).
- Aromatic hydrocarbons like Naphthalene and Hexachloro-1,3-Butadiene.
- Aliphatic compounds such as Isopropylbenzene and n-Butylbenzene.



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

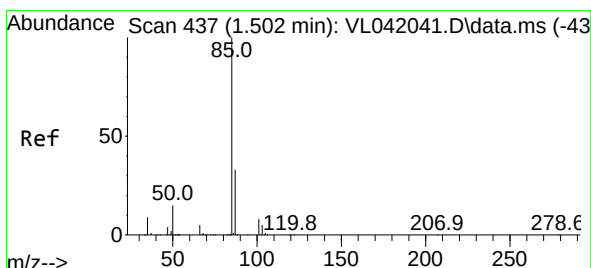
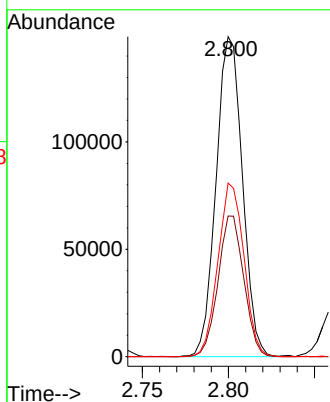
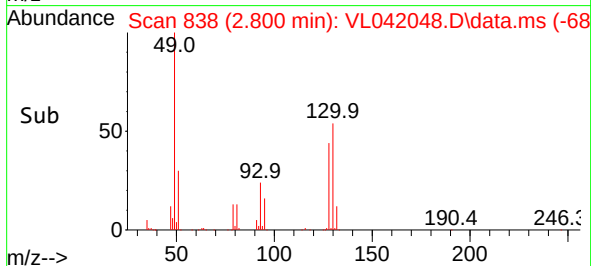
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



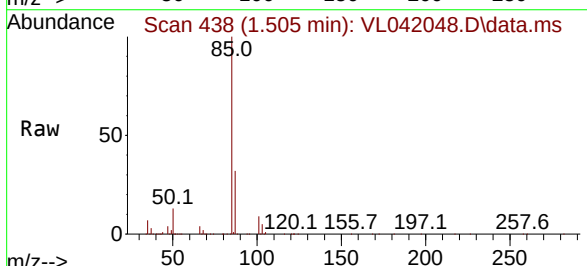
Tgt Ion: 49 Resp: 15888
Ion Ratio Lower Upper
49 100
128 43.0 21.6 64.8
130 53.4 27.8 83.4

Manual Integrations
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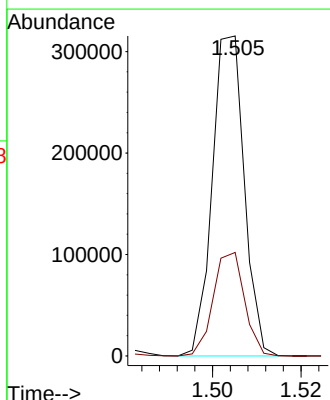
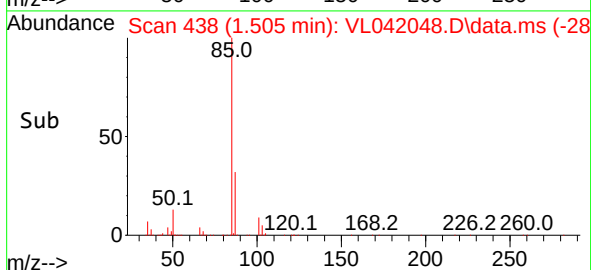
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

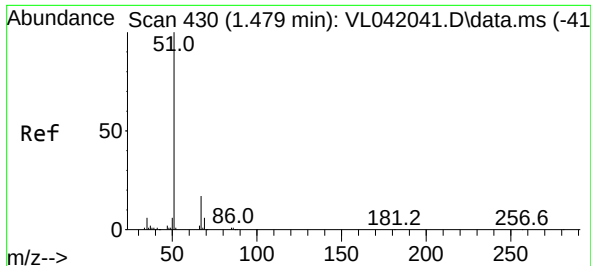


#2
Dichlorodifluoromethane
Concen: 9.606 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



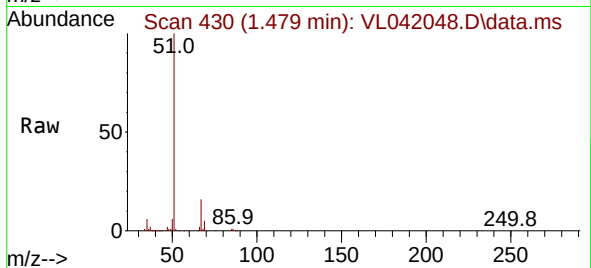
Tgt Ion: 85 Resp: 158709
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6





#3
Chlorodifluoromethane
Concen: 9.512 ppbv
RT: 1.479 min Scan# 430
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

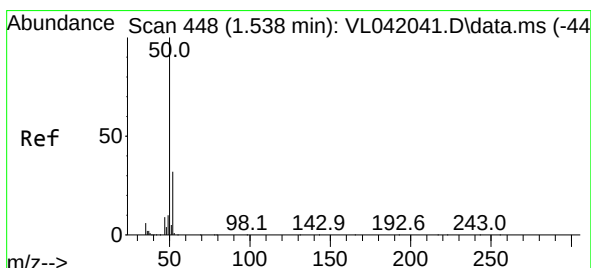
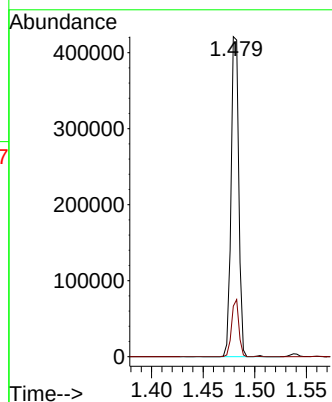
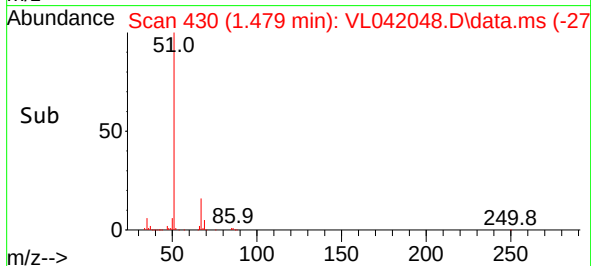
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



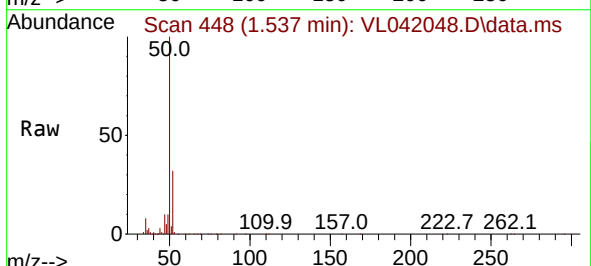
Tgt Ion: 51 Resp: 219640
Ion Ratio Lower Upper
51 100
67 16.9 13.7 20.5

Manual Integrations
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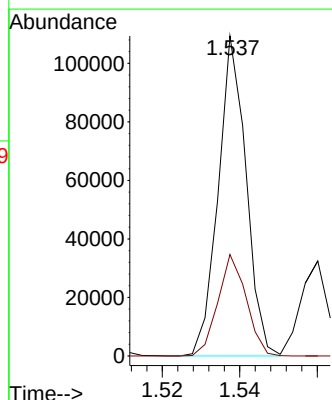
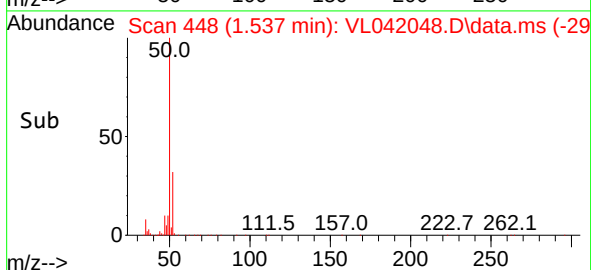
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

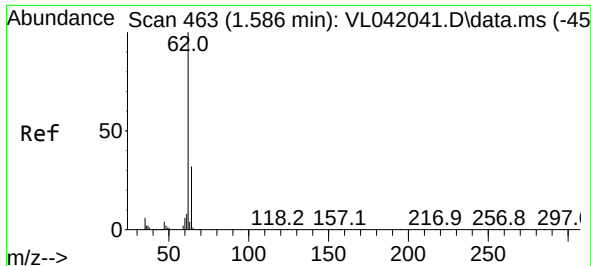


#4
Chloromethane
Concen: 8.941 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



Tgt Ion: 50 Resp: 54628
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0





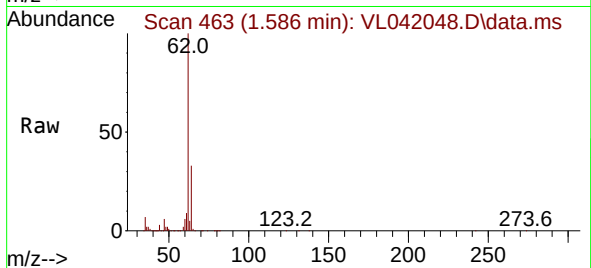
#5
 Vinyl Chloride
 Concen: 9.114 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

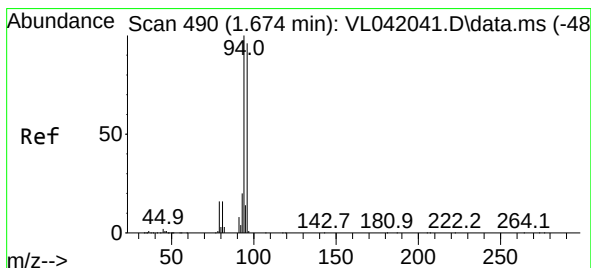
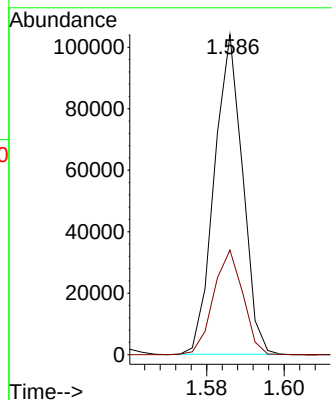
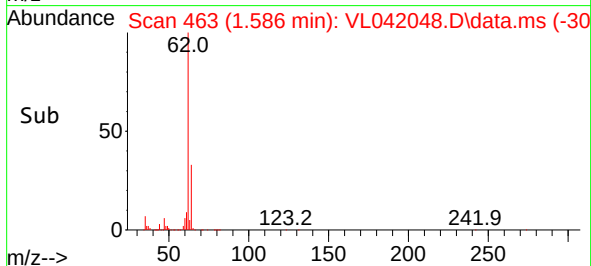


Tgt Ion: 62 Resp: 52672
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.3 37.9

Manual Integrations

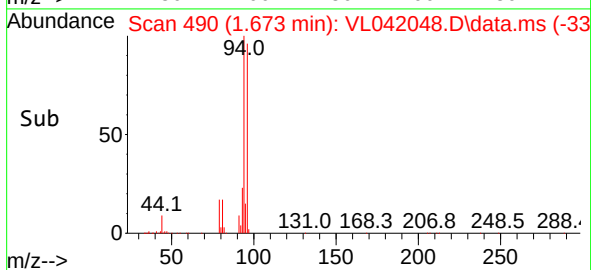
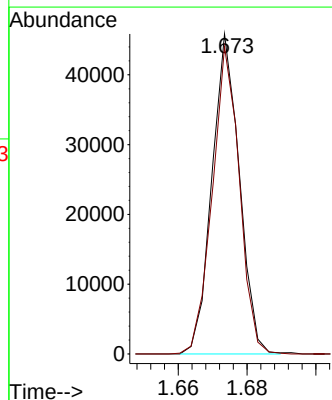
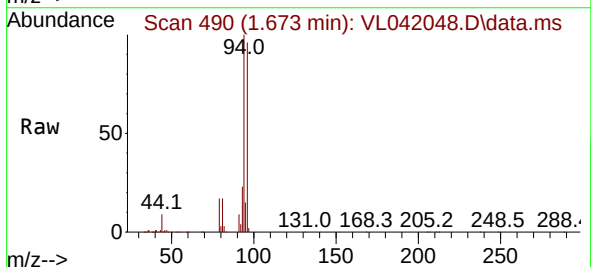
APPROVED

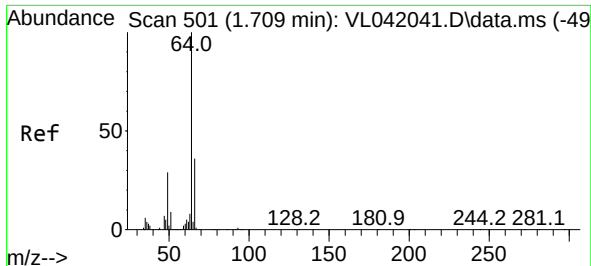
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#6
 Bromomethane
 Concen: 9.221 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

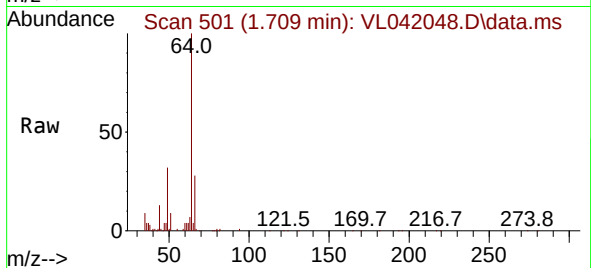
Tgt Ion: 94 Resp: 25374
 Ion Ratio Lower Upper
 94 100
 96 96.0 76.5 114.7





#7
Chloroethane
Concen: 9.443 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

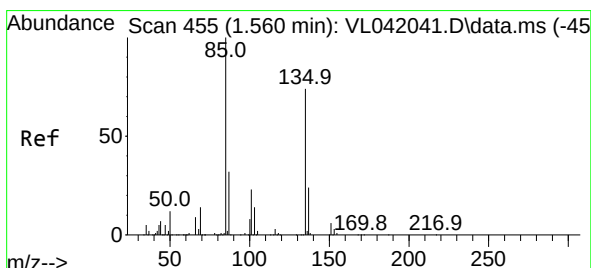
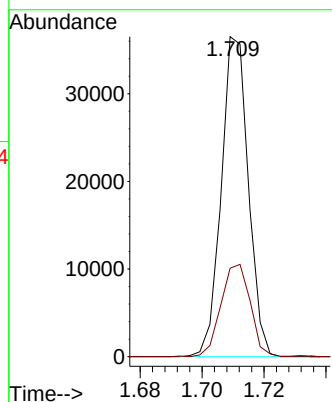
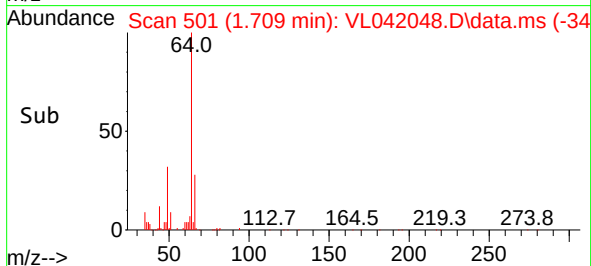
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



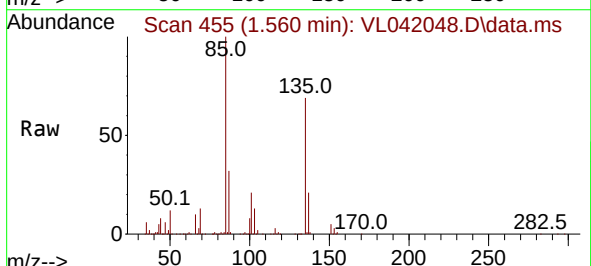
Tgt Ion: 64 Resp: 22174
Ion Ratio Lower Upper
64 100
66 27.6 28.4 42.6

Manual Integrations
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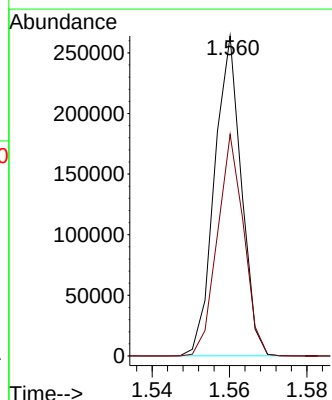
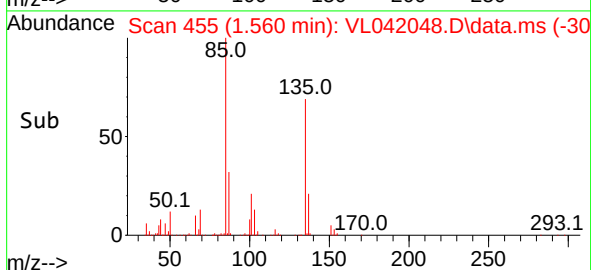
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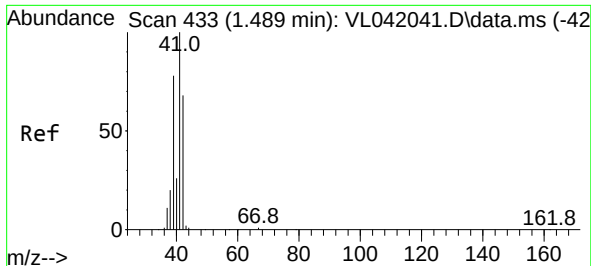


#8
Dichlorotetrafluoroethane
Concen: 9.354 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



Tgt Ion: 85 Resp: 127046
Ion Ratio Lower Upper
85 100
135 68.0 54.6 81.8





#9

Propene

Concen: 9.657 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042048.D

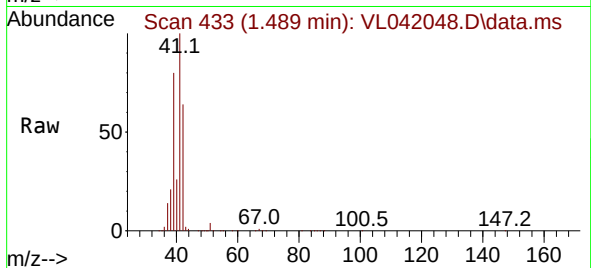
Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

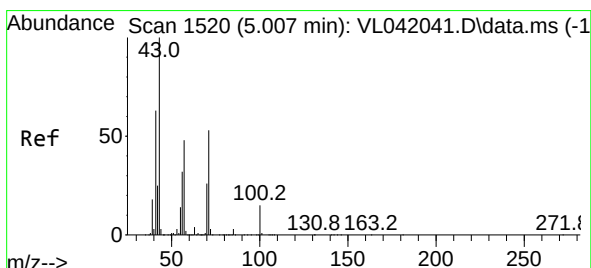
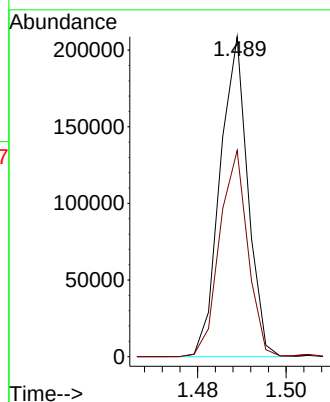
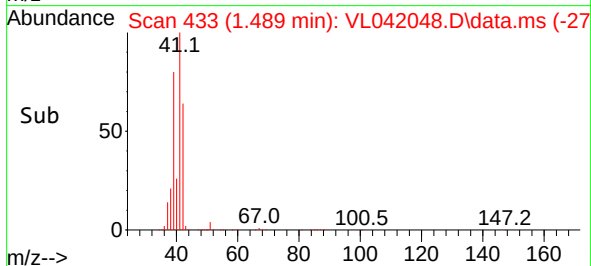


Tgt Ion:	41	Resp:	90844
Ion Ratio	Lower	Upper	
41	100		
42	66.2	55.8	83.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#10

Heptane

Concen: 9.188 ppbv

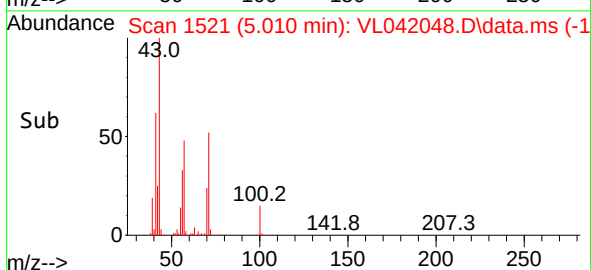
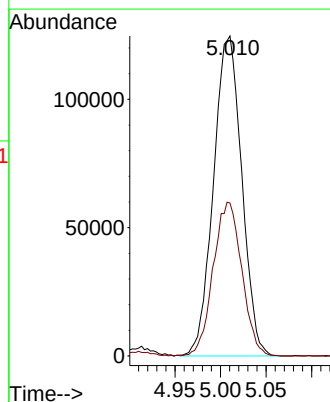
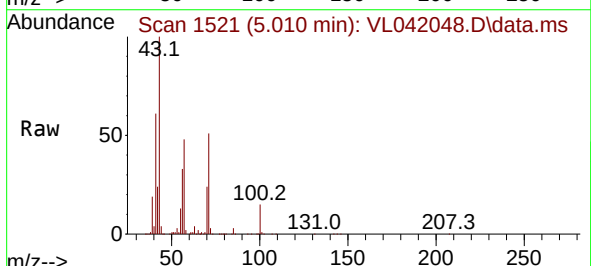
RT: 5.010 min Scan# 1521

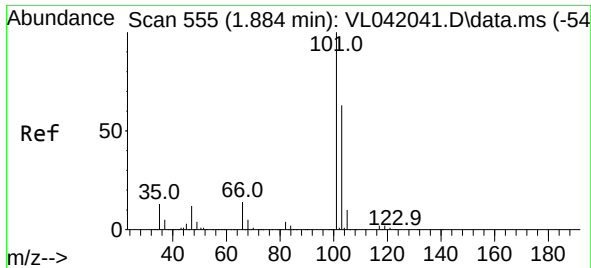
Delta R.T. 0.003 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

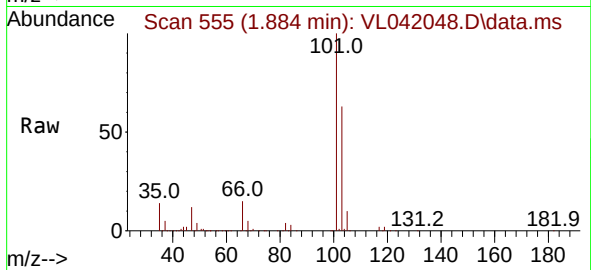
Tgt Ion:	43	Resp:	269133
Ion Ratio	Lower	Upper	
43	100		
57	48.6	39.4	59.0





#11
 Trichlorofluoromethane
 Concen: 9.476 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

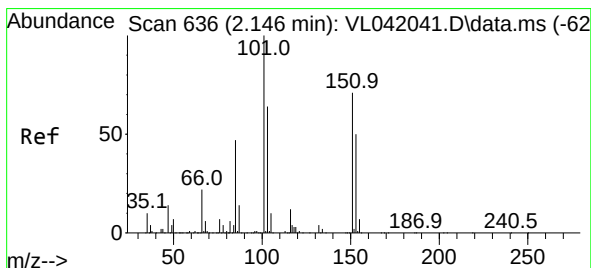
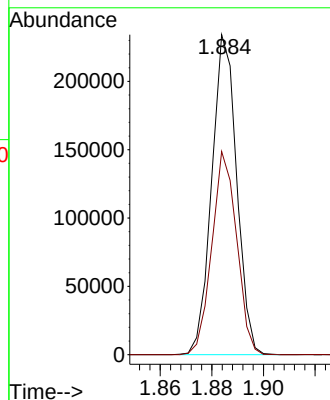
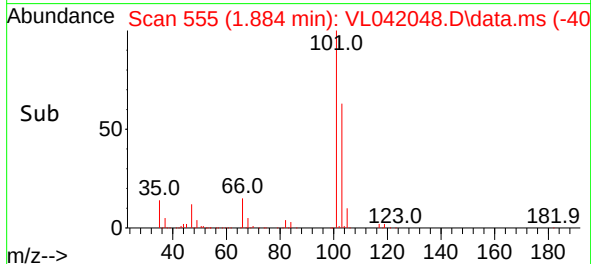
Instrument : MSVOA_L
 ClientSampleId : ICVVL022525



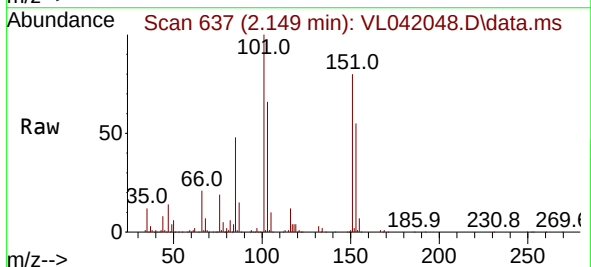
Tgt Ion:101 Resp: 15687
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.6 75.8

Manual Integrations
 APPROVED

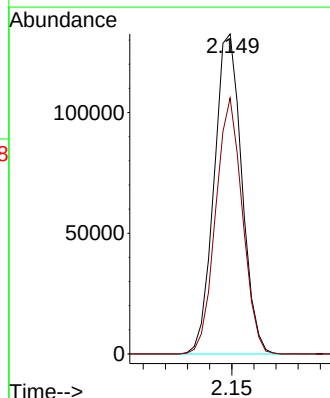
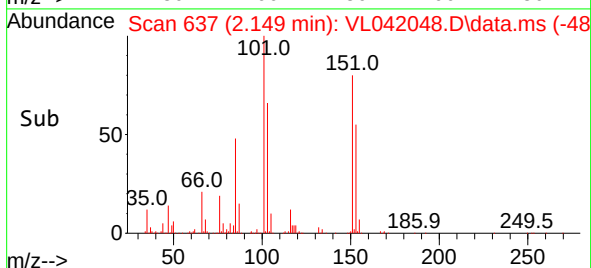
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

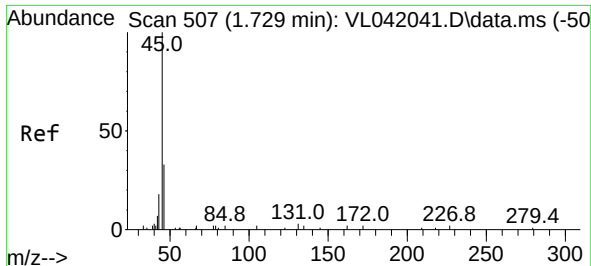


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.715 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15



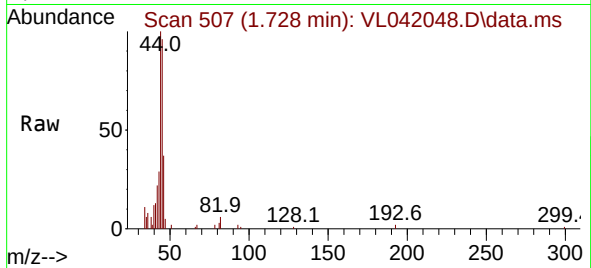
Tgt Ion:101 Resp: 115089
 Ion Ratio Lower Upper
 101 100
 151 77.3 62.6 94.0





#13
Ethanol
Concen: 4.404 ppbv
RT: 1.728 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

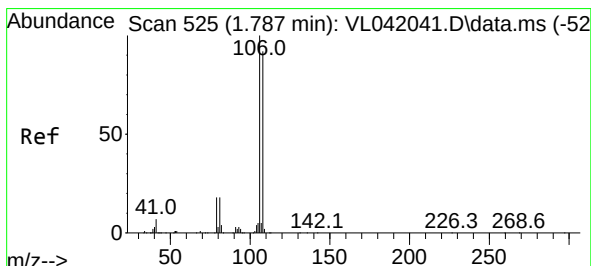
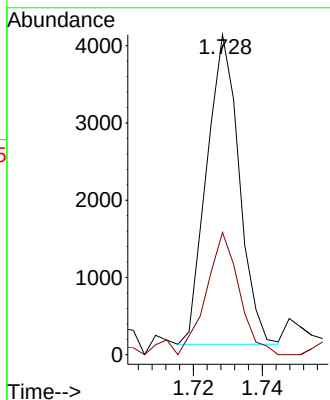
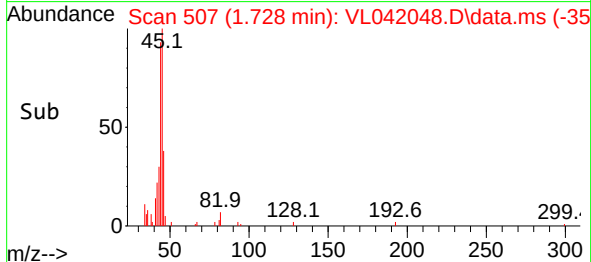
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



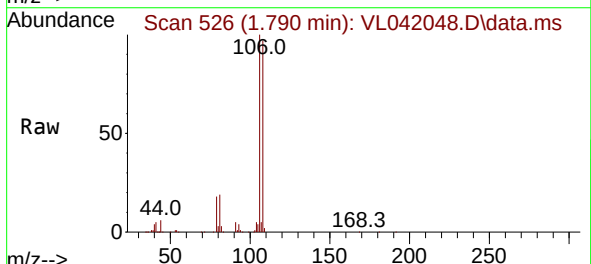
Tgt Ion: 45 Resp: 2630
Ion Ratio Lower Upper
45 100
46 44.0 17.1 68.3

Manual Integrations
APPROVED

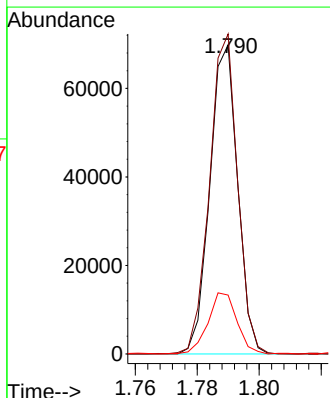
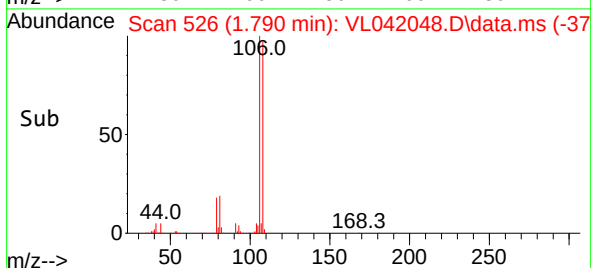
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

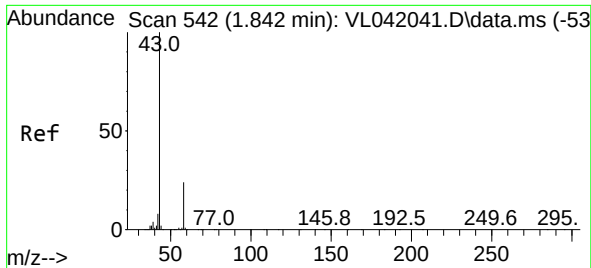


#14
Bromoethene
Concen: 9.338 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



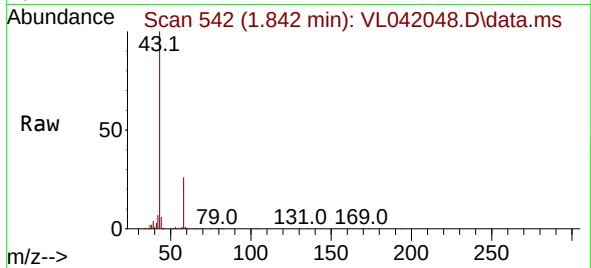
Tgt Ion:108 Resp: 43546
Ion Ratio Lower Upper
108 100
106 104.1 85.4 128.0
79 21.0 16.5 24.7





#15
Acetone
Concen: 8.460 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

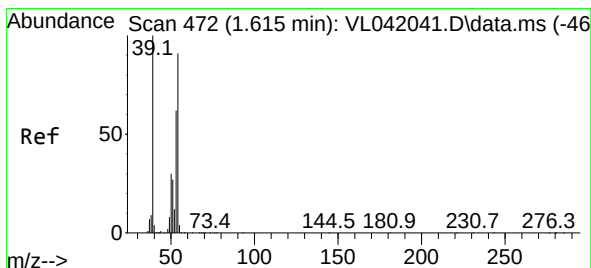
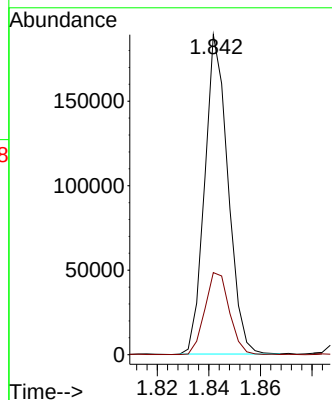
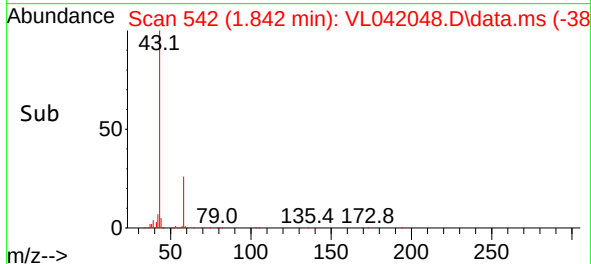
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



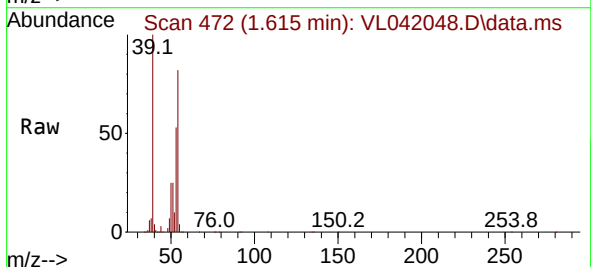
Tgt Ion: 43 Resp: 118697
Ion Ratio Lower Upper
43 100
58 27.3 20.7 31.1

Manual Integrations
APPROVED

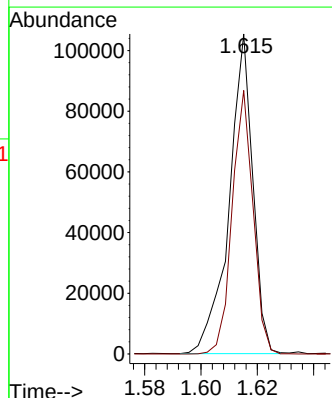
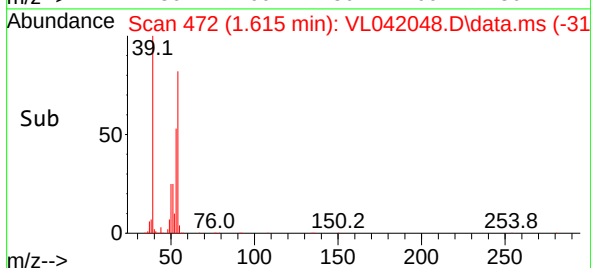
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

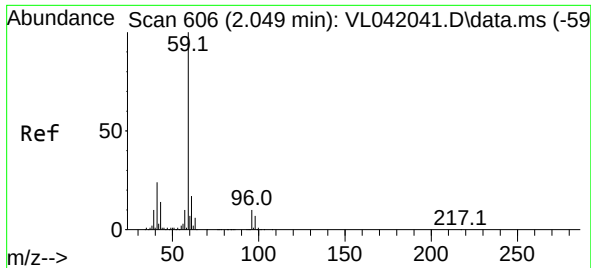


#16
1,3-Butadiene
Concen: 9.434 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



Tgt Ion: 39 Resp: 61603
Ion Ratio Lower Upper
39 100
54 72.5 59.6 89.4





#17

tert-Butyl alcohol

Concen: 8.779 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.000 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

Tgt Ion: 59 Resp: 154110

Ion Ratio Lower Upper

59 100

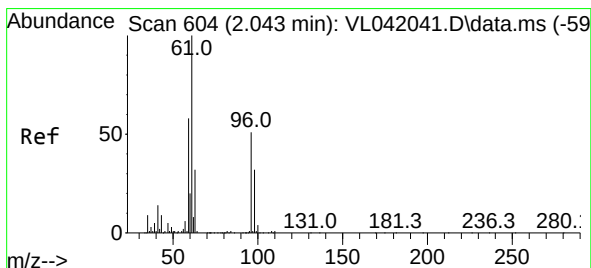
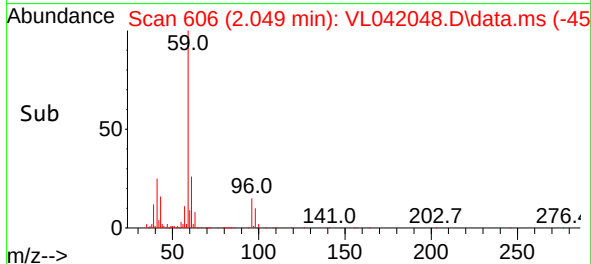
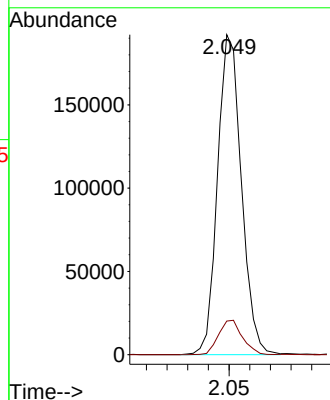
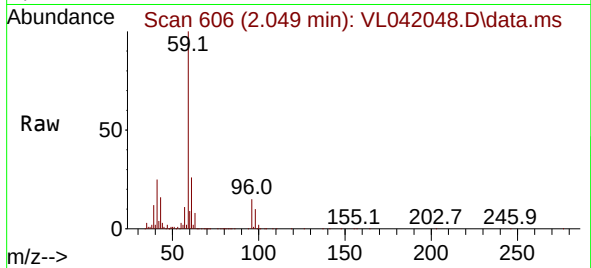
57 10.8 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#18

1,1-Dichloroethene

Concen: 8.711 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

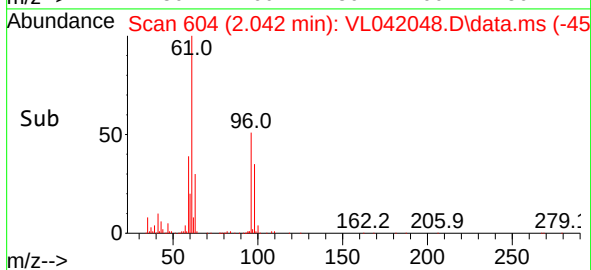
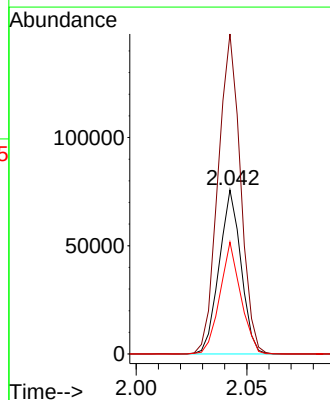
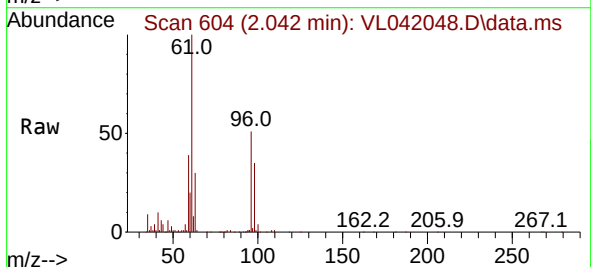
Tgt Ion: 96 Resp: 51973

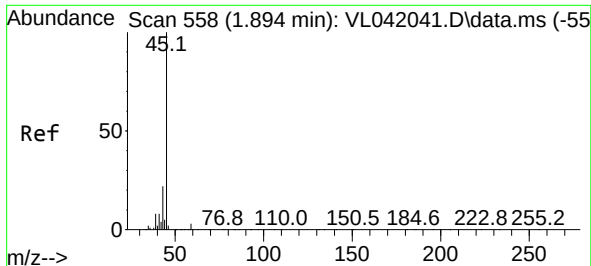
Ion Ratio Lower Upper

96 100

61 195.1 156.0 234.0

98 68.3 49.4 74.2





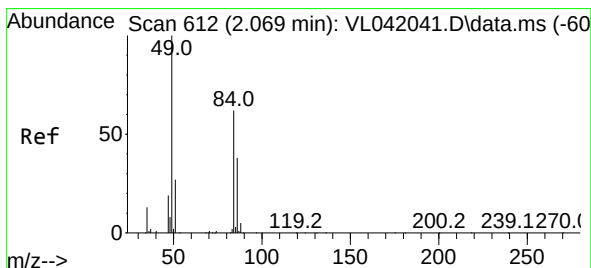
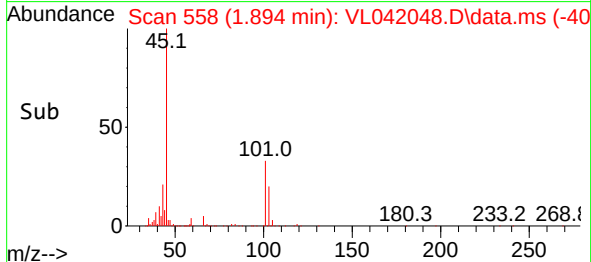
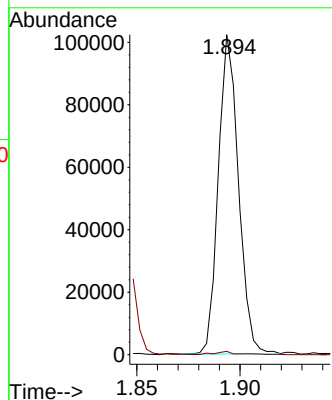
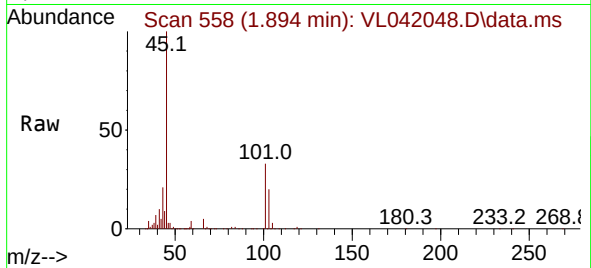
#19
Isopropyl Alcohol
Concen: 8.629 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 45 Resp: 69540
Ion Ratio Lower Upper
45 100
58 46.7 35.3 52.9

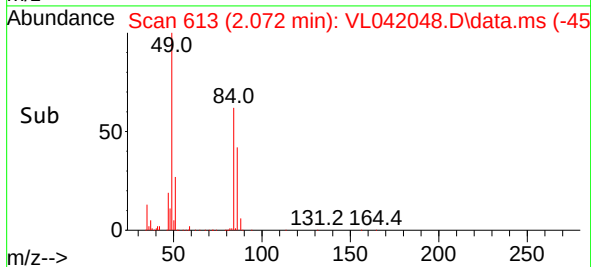
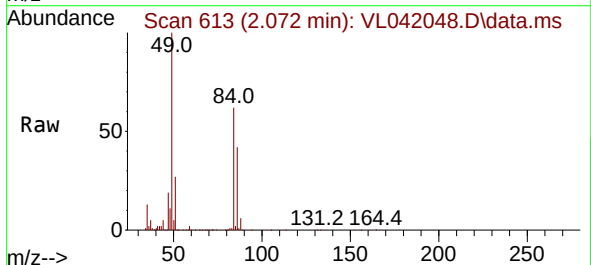
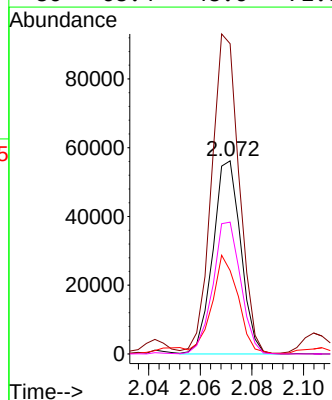
Manual Integrations
APPROVED

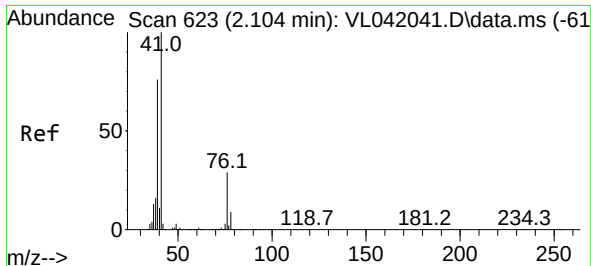
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#20
Methylene Chloride
Concen: 7.919 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 84 Resp: 42028
Ion Ratio Lower Upper
84 100
49 160.5 130.0 195.0
51 43.0 37.4 56.0
86 68.4 48.6 72.8





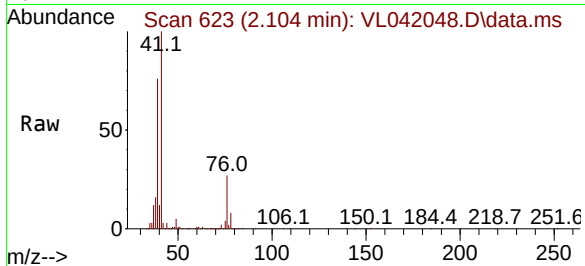
#21
 Allyl Chloride
 Concen: 8.951 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

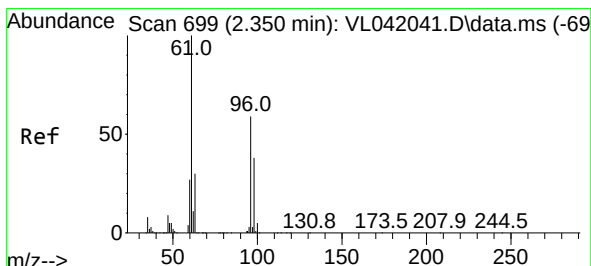
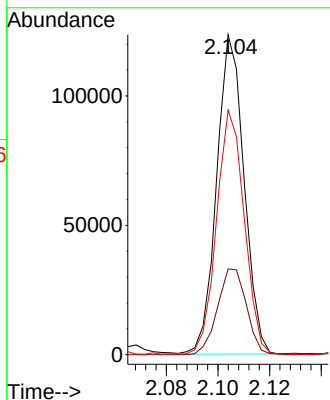
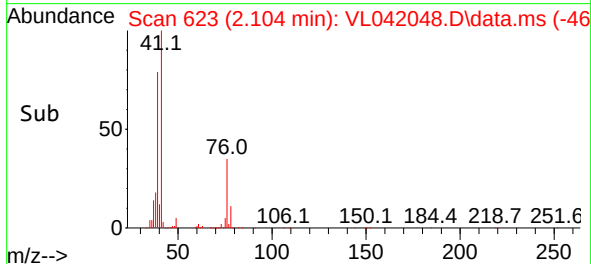
ICVVL022525



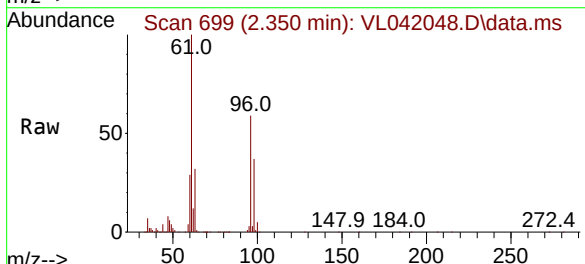
Tgt Ion: 41 Resp: 90749
 Ion Ratio Lower Upper
 41 100
 76 28.5 23.8 35.6
 39 77.5 63.8 95.6

Manual Integrations
 APPROVED

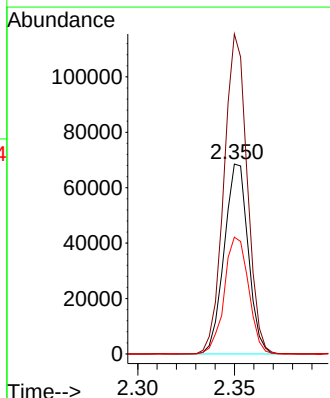
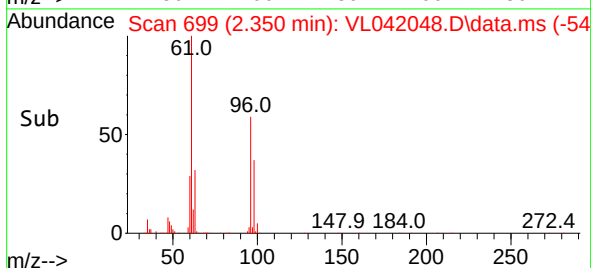
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

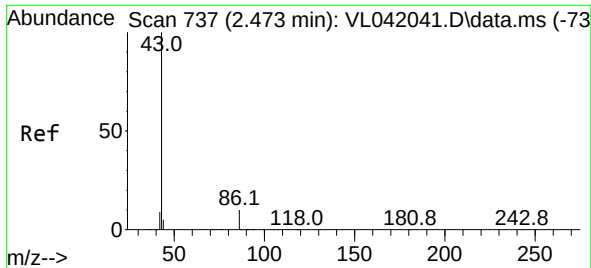


#22
 trans-1,2-Dichloroethene
 Concen: 8.502 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15



Tgt Ion: 96 Resp: 59140
 Ion Ratio Lower Upper
 96 100
 61 168.4 136.6 205.0
 98 61.5 51.8 77.6





#23
 Vinyl Acetate
 Concen: 9.488 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

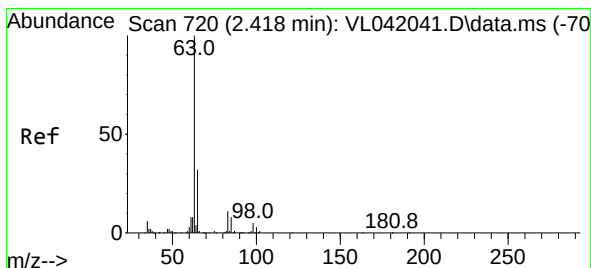
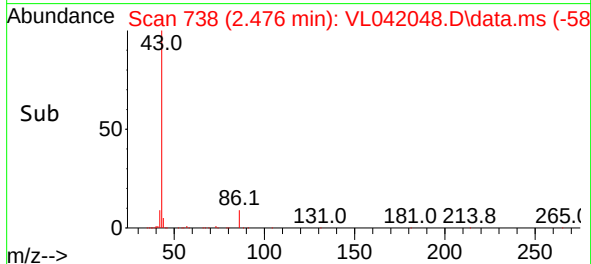
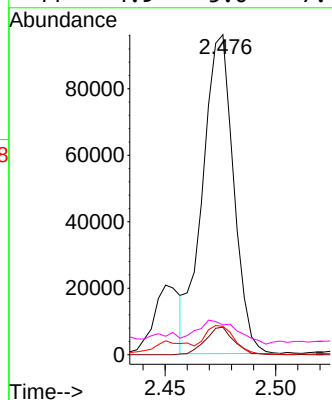
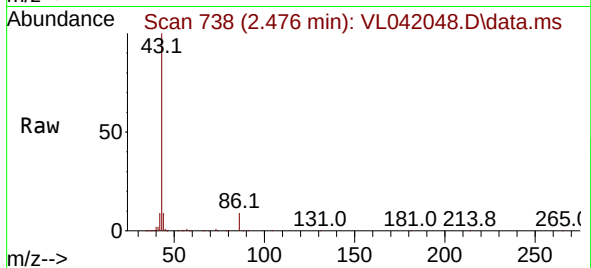
ICVVL022525

Tgt Ion: 43 Resp: 9360
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.0 10.4
 42 8.3 7.6 11.4
 44 4.9 5.0 7.4#

Manual Integrations

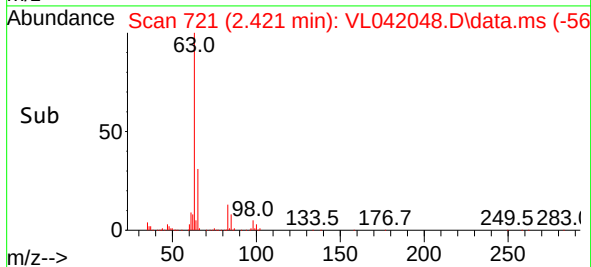
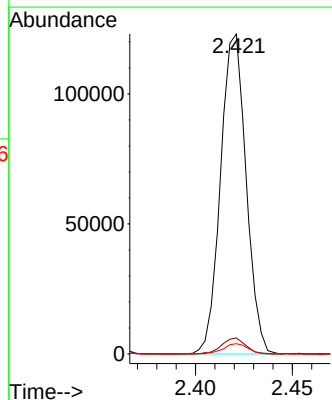
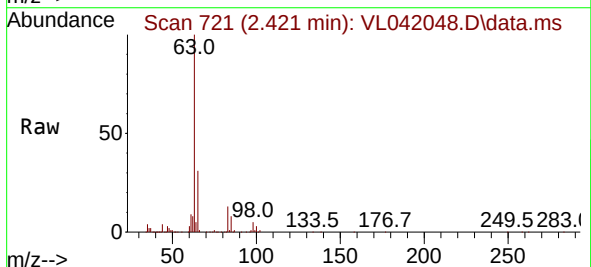
APPROVED

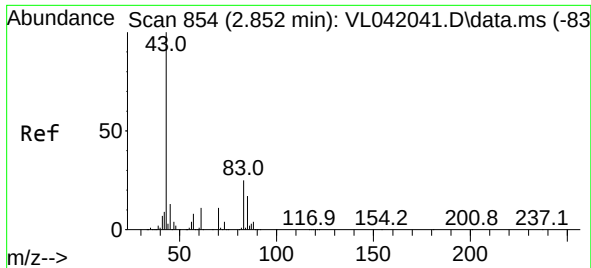
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#24
 1,1-Dichloroethane
 Concen: 8.721 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

Tgt Ion: 63 Resp: 112869
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.4 7.2
 100 3.2 1.7 5.0





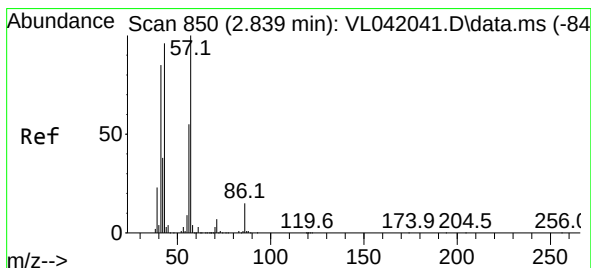
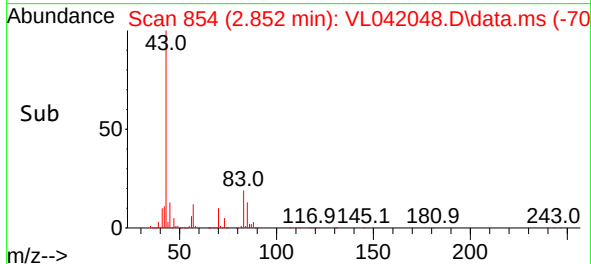
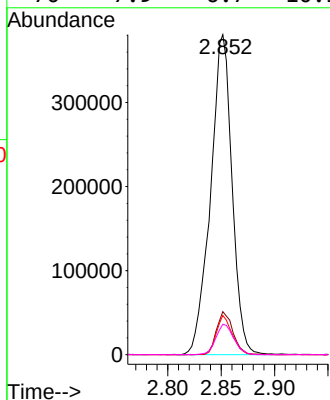
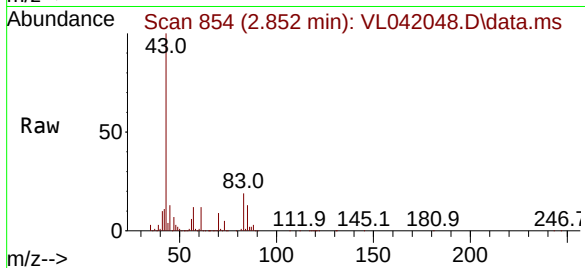
#25
Ethyl Acetate
Concen: 9.492 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument : MSVOA_L
ClientSampleId : ICVVL022525

Tgt Ion:	43	Resp:	53311
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.0	7.2	10.8
70	7.9	6.7	10.1

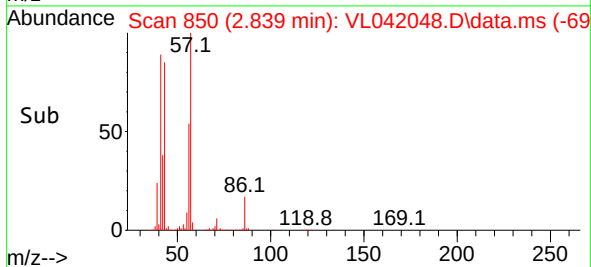
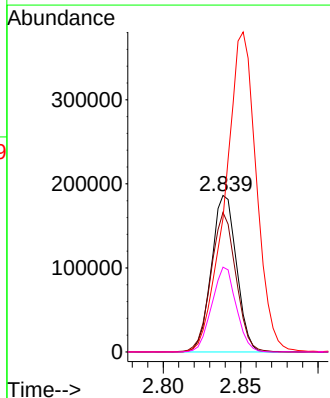
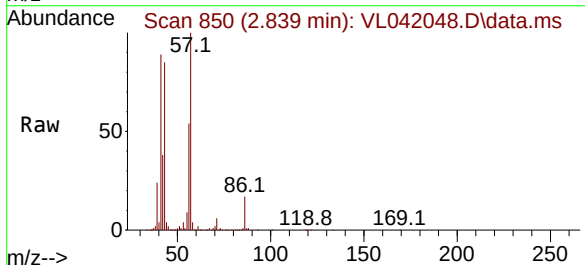
Manual Integrations
APPROVED

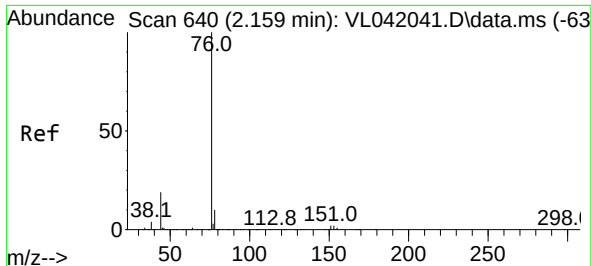
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#26
Hexane
Concen: 9.203 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

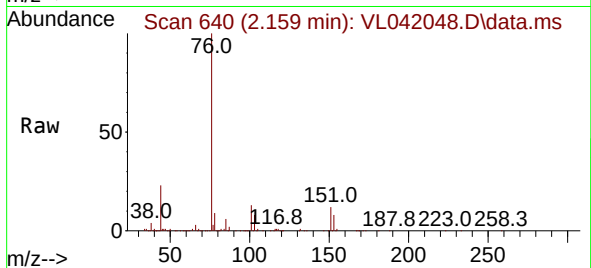
Tgt Ion:	57	Resp:	208955
Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.6	106.0
43	256.2	199.4	299.0
56	53.0	42.6	64.0





#27
Carbon Disulfide
Concen: 8.978 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

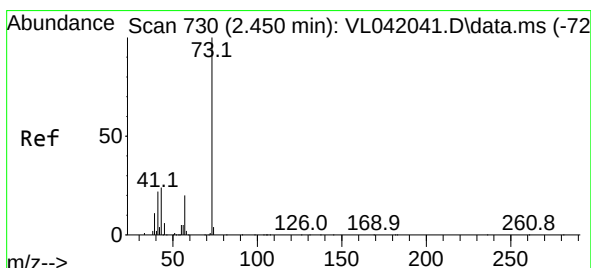
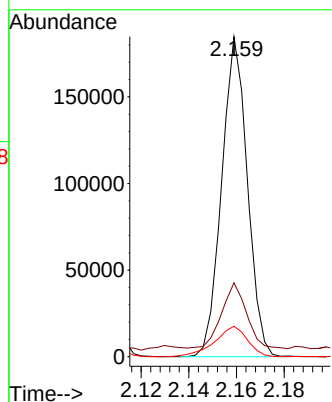
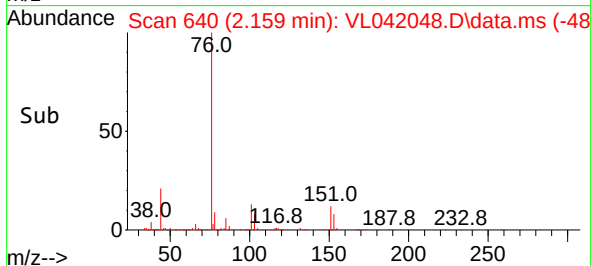
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



Tgt Ion: 76 Resp: 138170
Ion Ratio Lower Upper
76 100
44 21.9 16.2 24.2
78 12.1 9.4 14.0

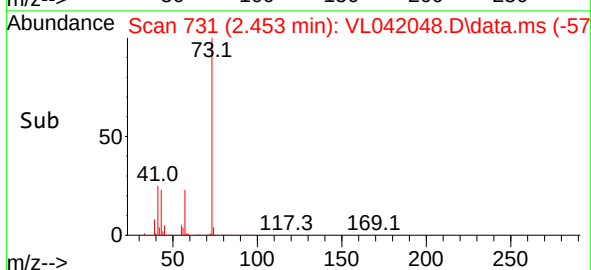
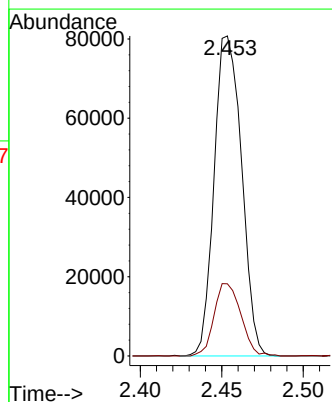
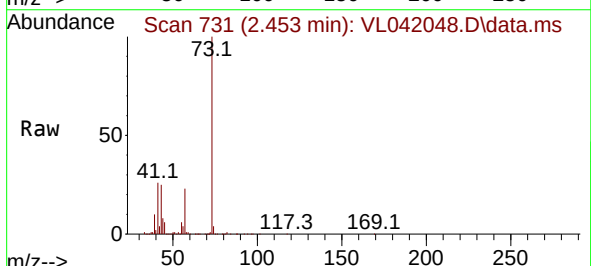
Manual Integrations
APPROVED

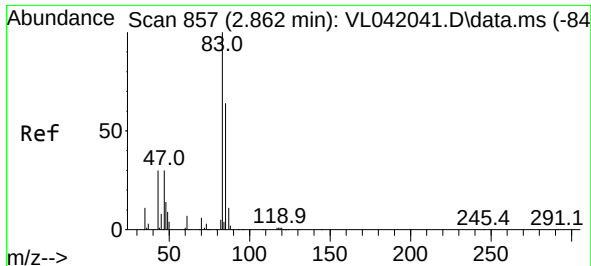
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#28
Methyl tert-Butyl Ether
Concen: 8.365 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 73 Resp: 94554
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5





#29

Chloroform

Concen: 9.202 ppbv

RT: 2.865 min Scan# 857

Delta R.T. 0.003 min

Lab File: VL042048.D

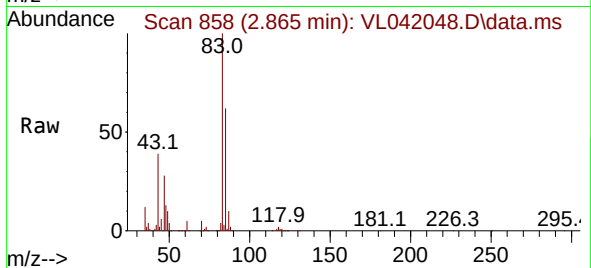
Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

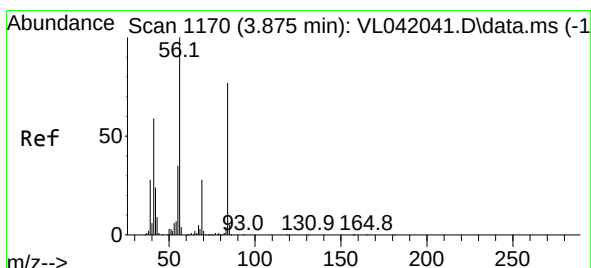
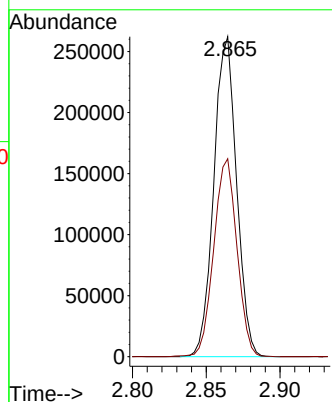
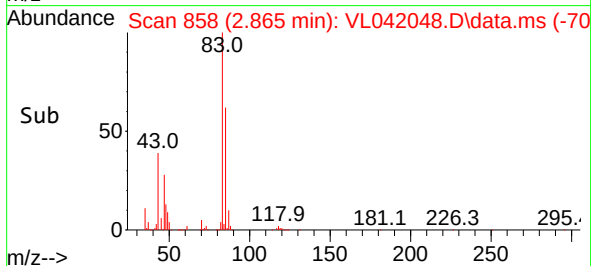


Tgt Ion:	83	Resp:	28119
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.2	76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#30

Cyclohexane

Concen: 9.161 ppbv

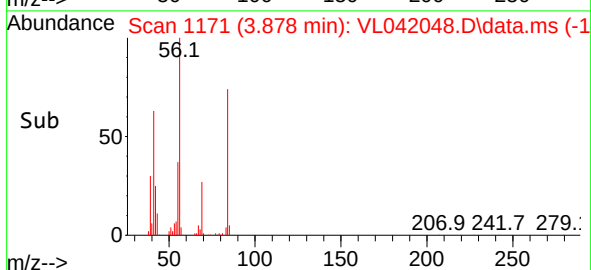
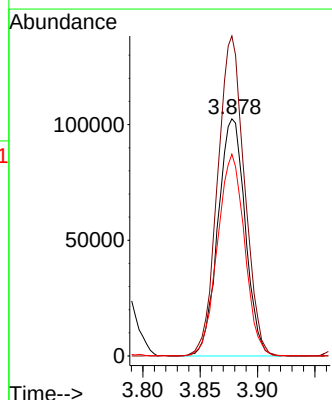
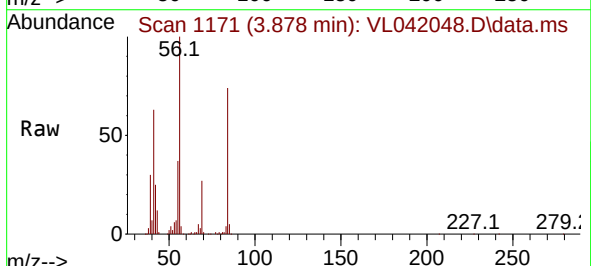
RT: 3.878 min Scan# 1171

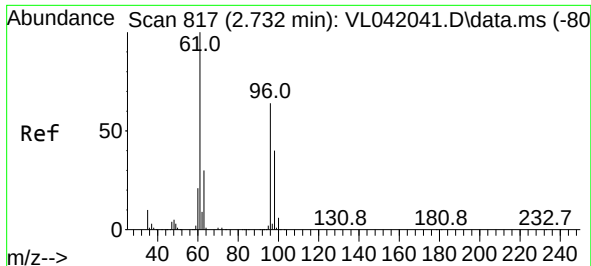
Delta R.T. 0.003 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

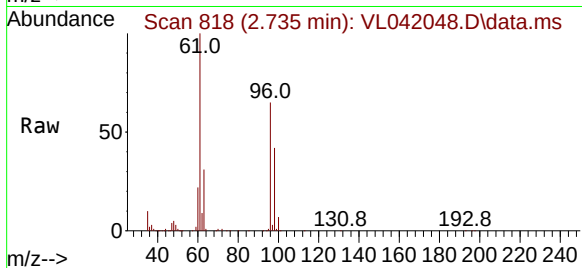
Tgt Ion:	84	Resp:	168830
Ion	Ratio	Lower	Upper
84	100		
56	133.0	101.5	152.3
41	84.8	62.6	93.8





#31
 cis-1,2-Dichloroethene
 Concen: 9.285 ppbv
 RT: 2.735 min Scan# 817
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

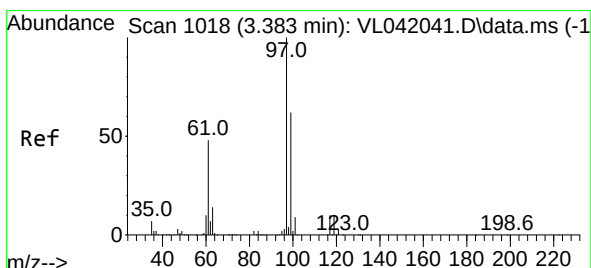
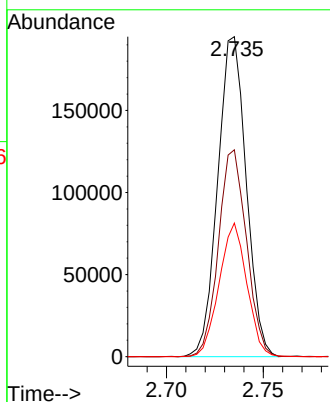
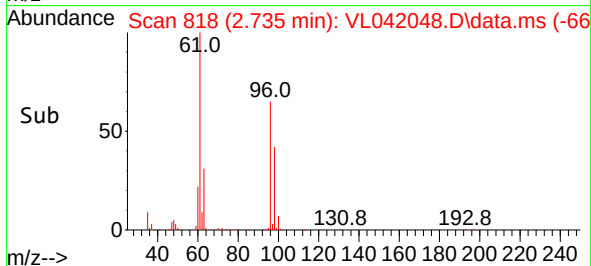
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022525



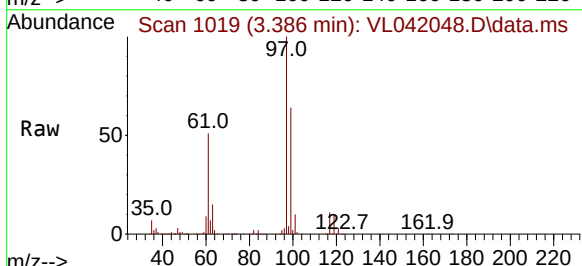
Tgt Ion: 61 Resp: 199564
 Ion Ratio Lower Upper
 61 100
 96 64.7 51.5 77.3
 98 41.8 32.0 48.0

Manual Integrations
 APPROVED

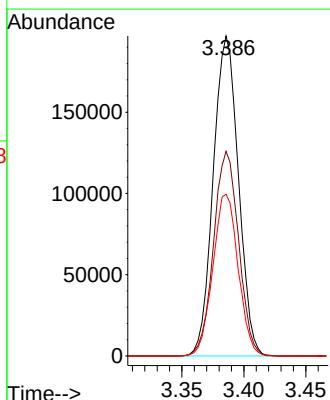
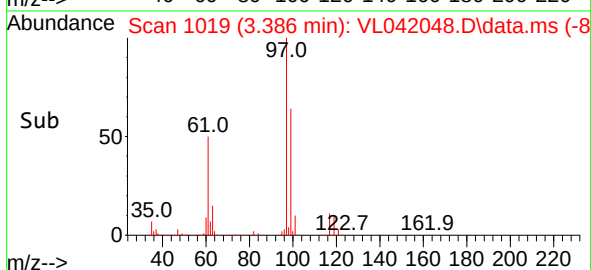
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

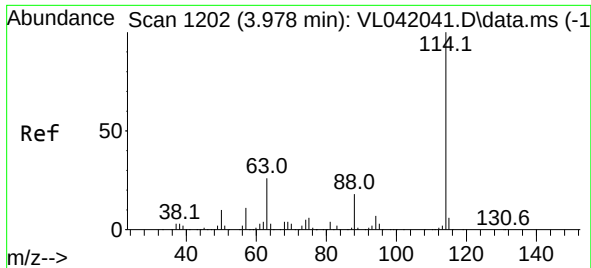


#32
 1,1,1-Trichloroethane
 Concen: 9.396 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15



Tgt Ion: 97 Resp: 278512
 Ion Ratio Lower Upper
 97 100
 99 63.6 49.8 74.6
 61 50.8 38.9 58.3





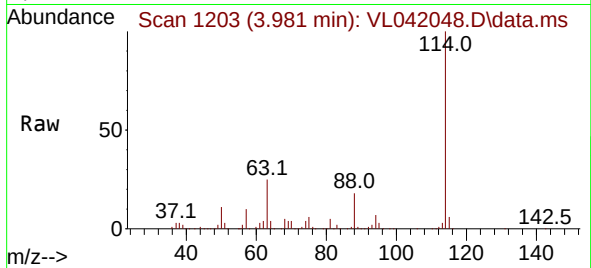
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

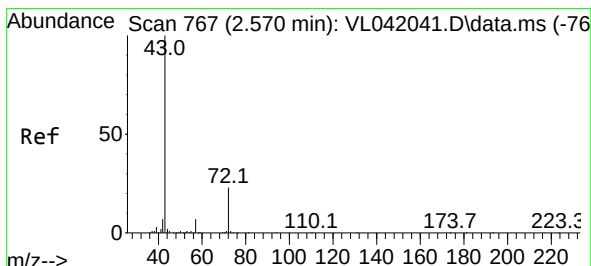
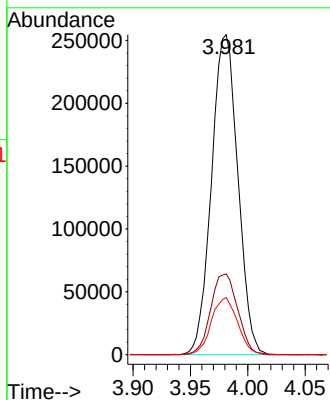
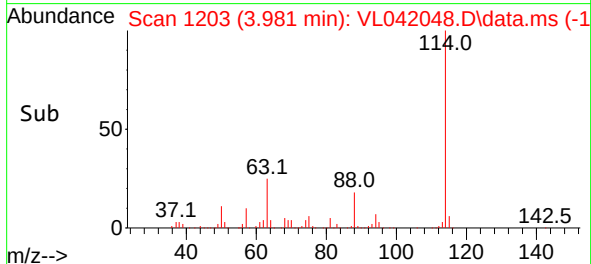


Tgt Ion:114 Resp: 406520
Ion Ratio Lower Upper
114 100
63 25.9 20.1 30.1
88 17.8 14.3 21.5

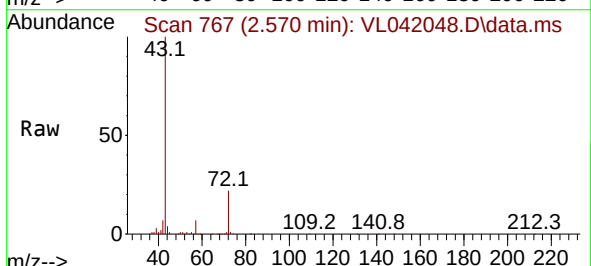
Manual Integrations

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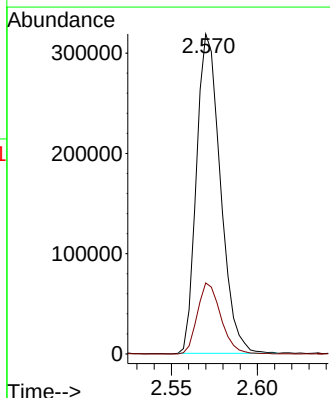
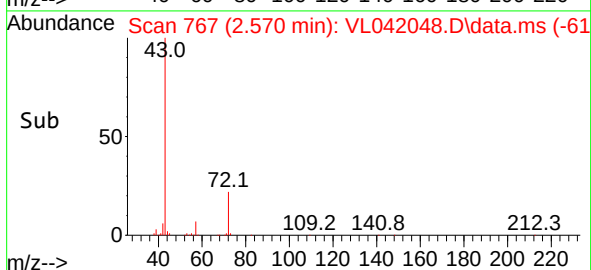
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

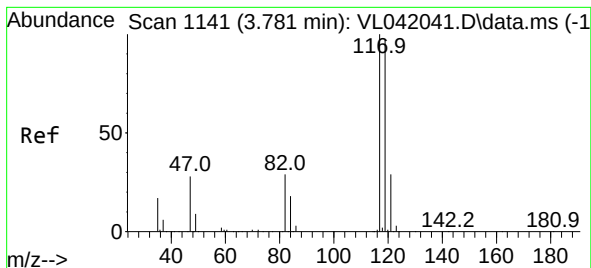


#34
2-Butanone
Concen: 9.727 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



Tgt Ion: 43 Resp: 308064
Ion Ratio Lower Upper
43 100
72 21.9 18.5 27.7





#35

Carbon Tetrachloride

Concen: 9.867 ppbv

RT: 3.784 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VL042048.D

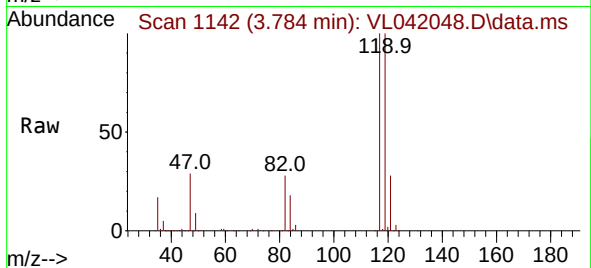
Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525



Tgt Ion:117 Resp: 276599

Ion Ratio Lower Upper

117 100

119 99.7 77.8 116.8

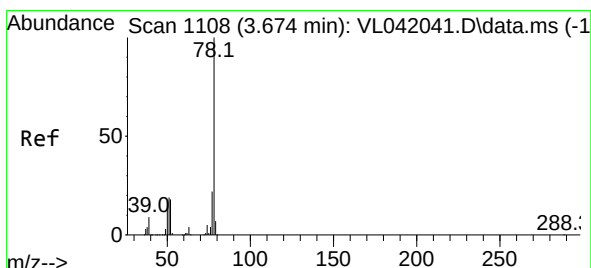
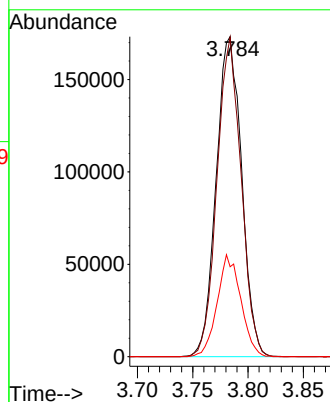
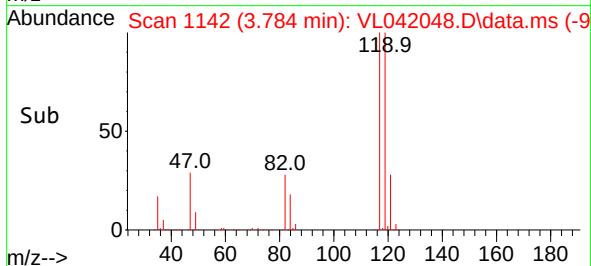
121 28.1 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#36

Benzene

Concen: 9.395 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

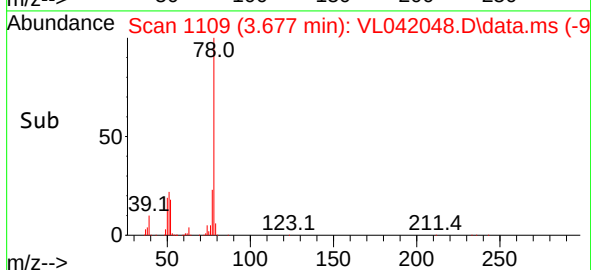
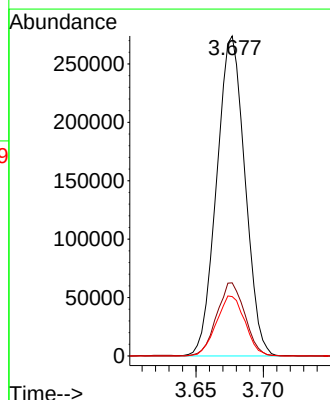
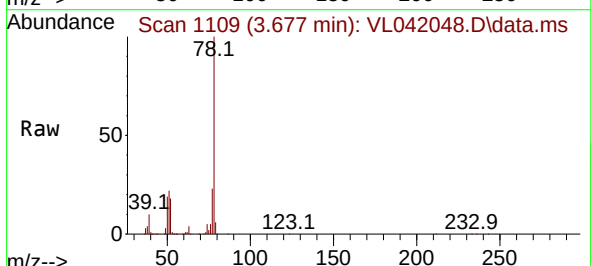
Tgt Ion: 78 Resp: 399804

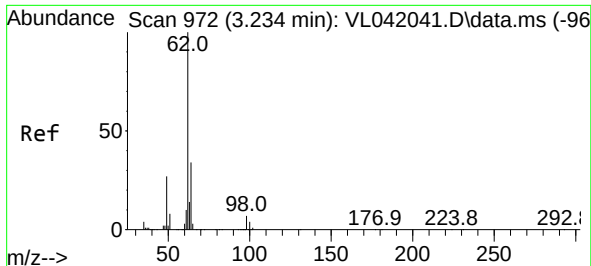
Ion Ratio Lower Upper

78 100

77 22.7 17.7 26.5

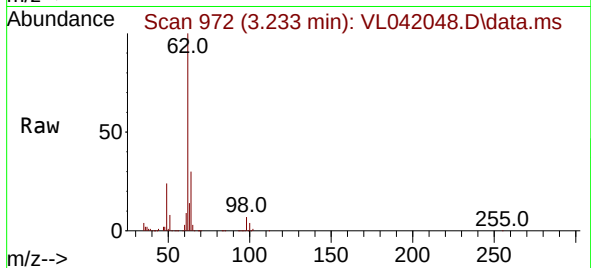
50 18.6 13.9 20.9





#37
1,2-Dichloroethane
Concen: 9.491 ppbv
RT: 3.233 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

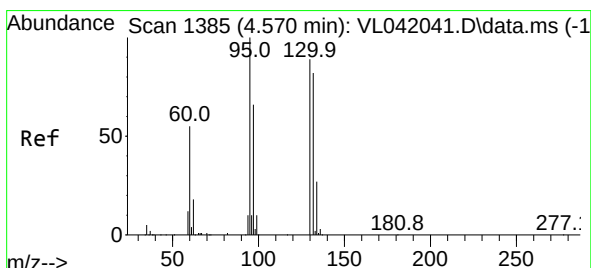
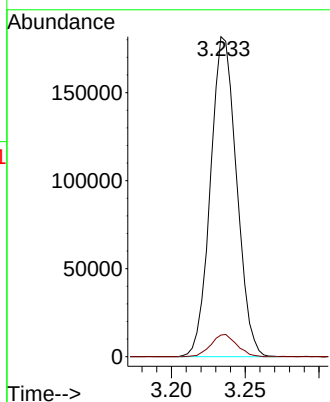
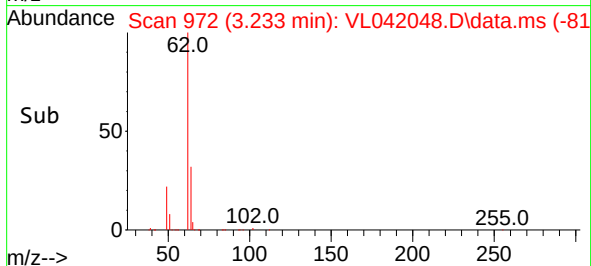
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



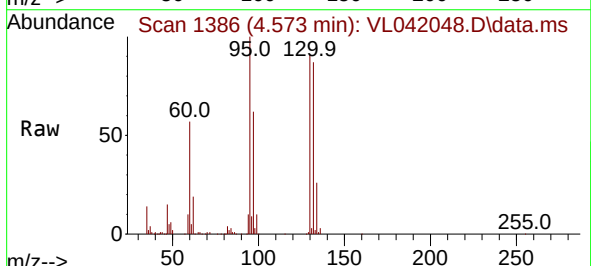
Tgt Ion: 62 Resp: 223940
Ion Ratio Lower Upper
62 100
98 6.9 5.7 8.5

Manual Integrations
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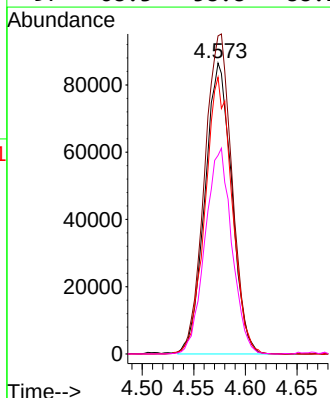
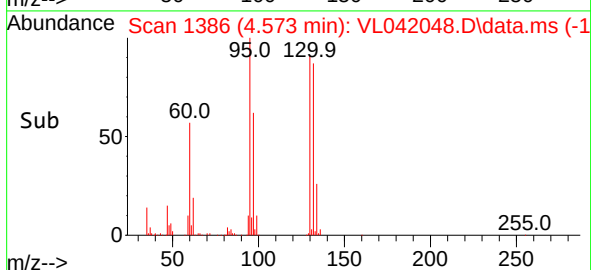
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

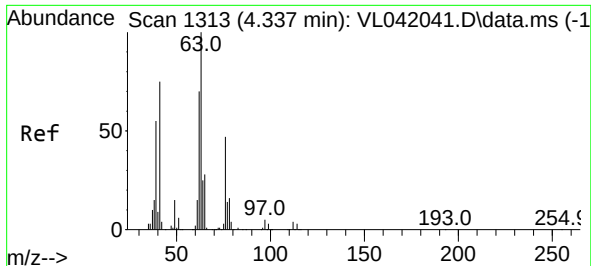


#38
Trichloroethene
Concen: 9.005 ppbv
RT: 4.573 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



Tgt Ion:130 Resp: 156488
Ion Ratio Lower Upper
130 100
95 109.3 89.5 134.3
132 95.1 73.8 110.6
97 68.3 58.8 88.2





#39

1,2-Dichloropropane

Concen: 9.414 ppbv

RT: 4.340 min Scan# 1313

Delta R.T. 0.003 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

Tgt Ion: 63 Resp: 15206

Ion Ratio Lower Upper

63 100

41 70.8 60.1 90.1

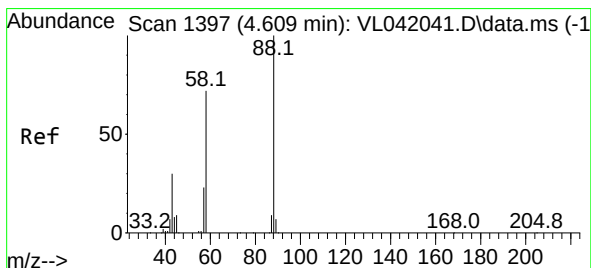
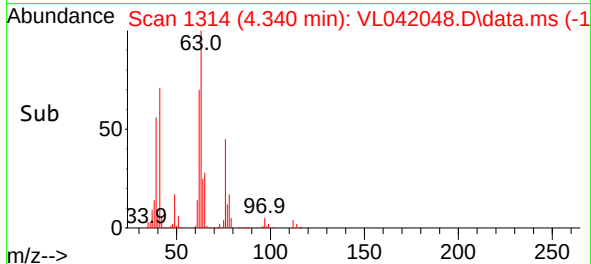
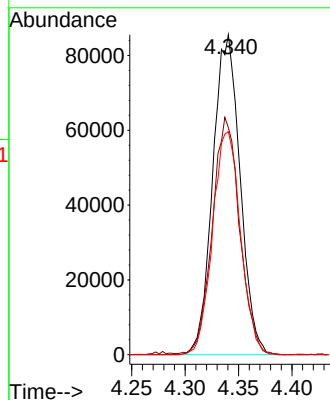
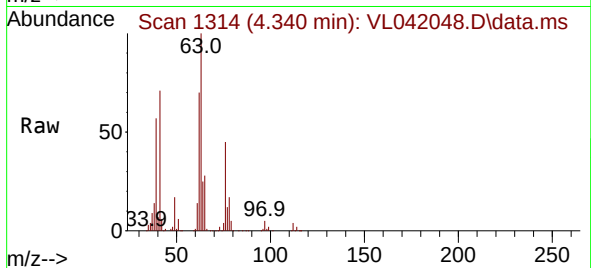
62 69.7 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#40

1,4-Dioxane

Concen: 8.817 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

Tgt Ion: 88 Resp: 65010

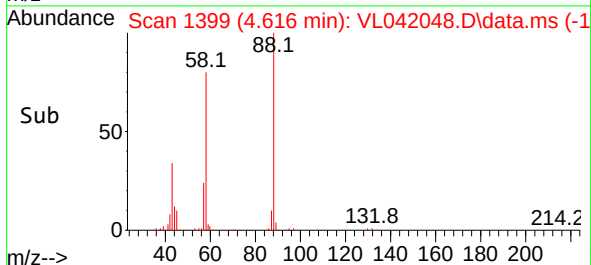
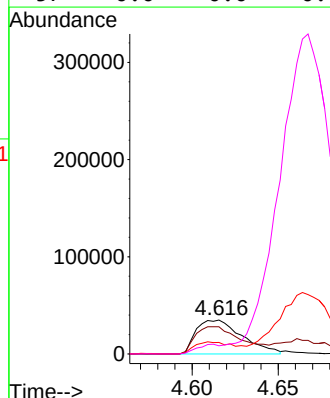
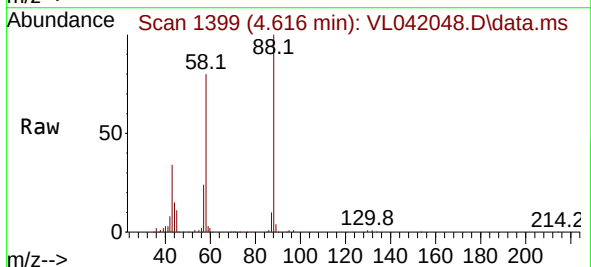
Ion Ratio Lower Upper

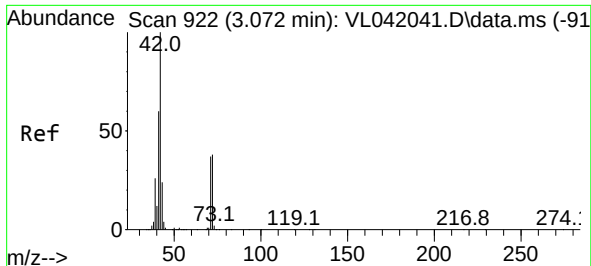
88 100

58 76.5 62.6 94.0

43 0.0 0.0 0.0

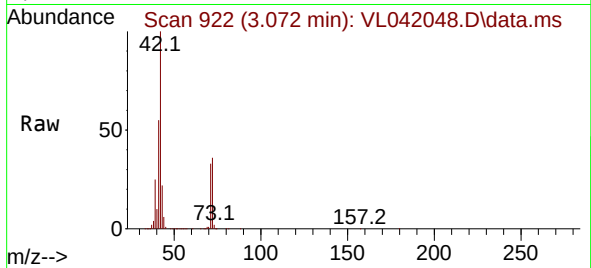
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.696 ppbv
RT: 3.072 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

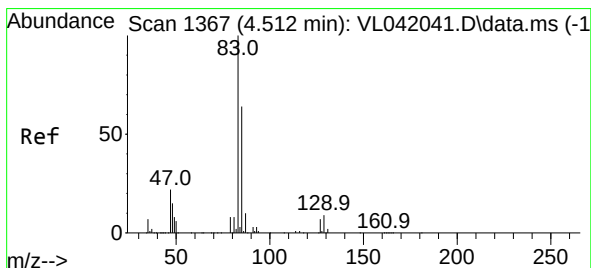
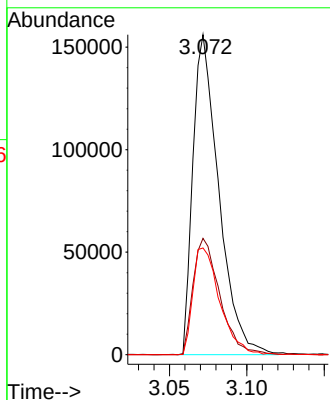
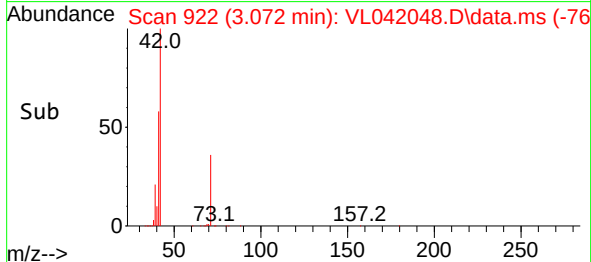
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



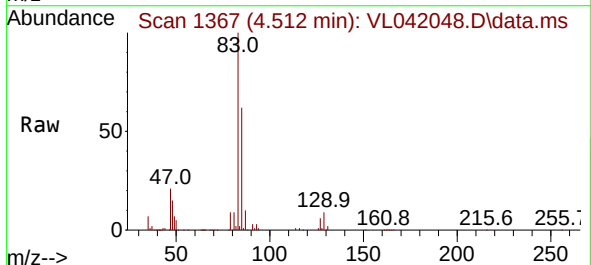
Tgt Ion: 42 Resp: 18145
Ion Ratio Lower Upper
42 100
72 37.6 30.2 45.2
71 34.8 28.2 42.4

Manual Integrations
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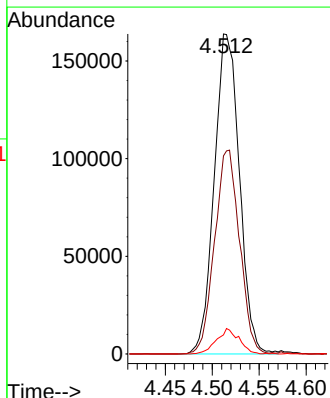
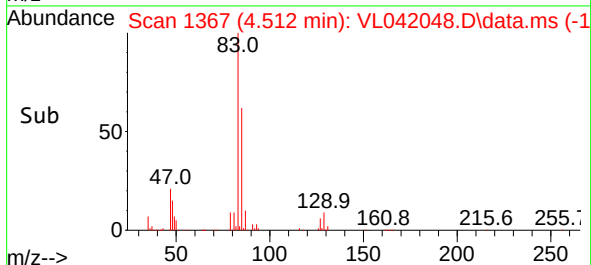
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

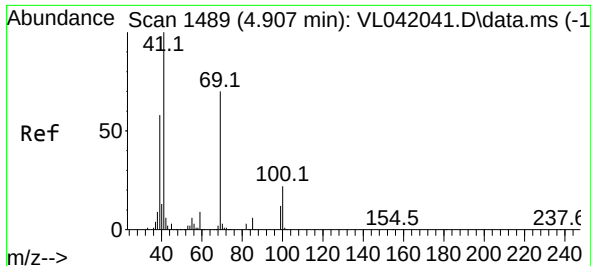


#42
Bromodichloromethane
Concen: 9.606 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



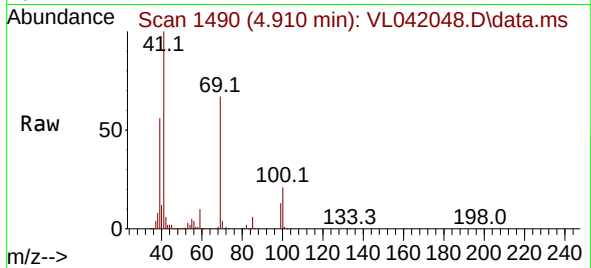
Tgt Ion: 83 Resp: 305385
Ion Ratio Lower Upper
83 100
85 61.9 51.4 77.2
127 5.9 5.8 8.6





#43
Methyl Methacrylate
Concen: 9.685 ppbv
RT: 4.910 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

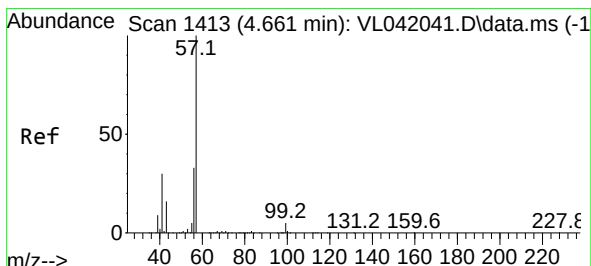
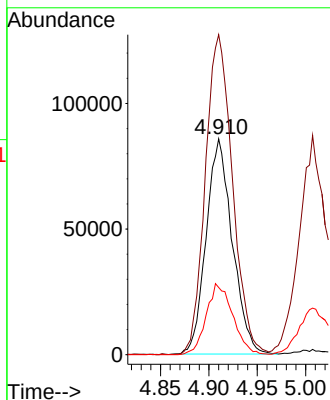
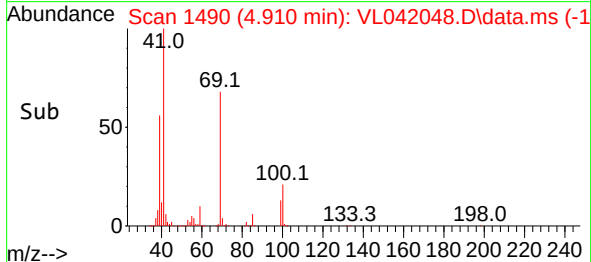
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



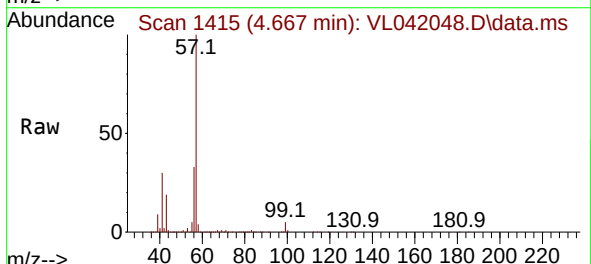
Tgt Ion: 69 Resp: 160954
Ion Ratio Lower Upper
69 100
41 154.7 118.2 177.4
100 33.4 27.0 40.4

Manual Integrations
APPROVED

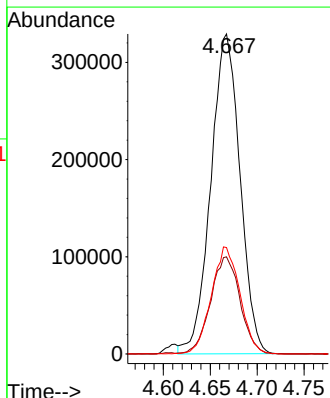
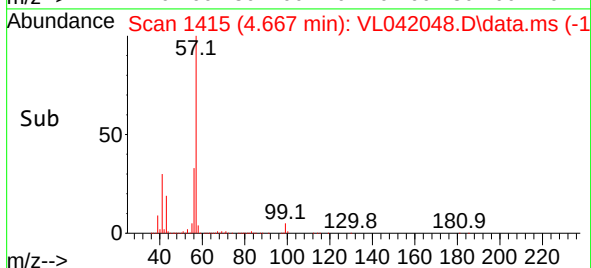
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

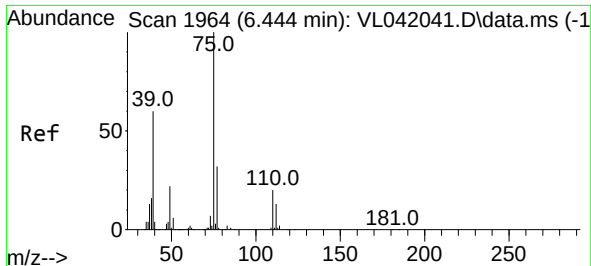


#44
2,2,4-Trimethylpentane
Concen: 9.480 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



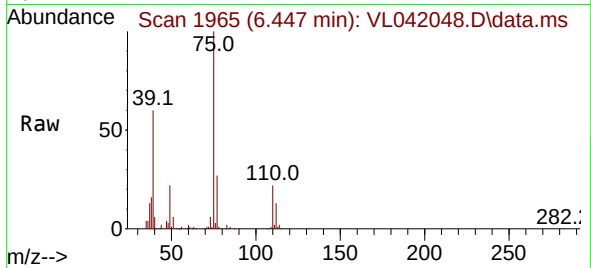
Tgt Ion: 57 Resp: 712051
Ion Ratio Lower Upper
57 100
41 31.0 24.4 36.6
56 32.7 26.5 39.7





#45
 t-1,3-Dichloropropene
 Concen: 9.671 ppbv
 RT: 6.447 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

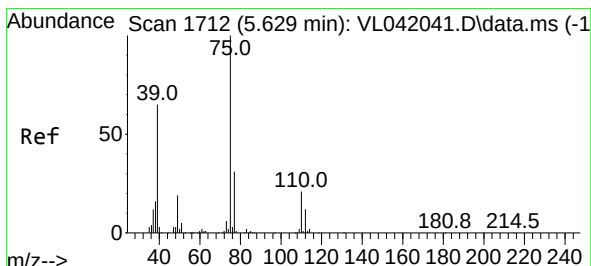
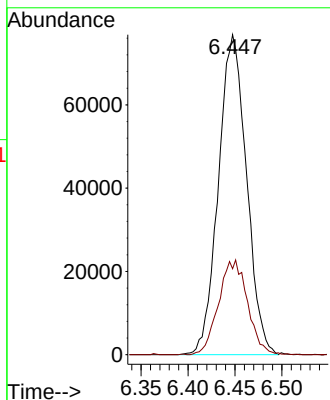
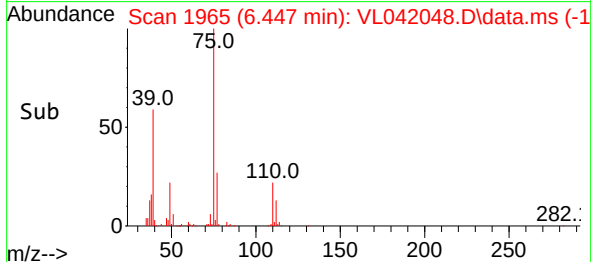
Instrument : MSVOA_L
 ClientSampleId : ICVVL022525



Tgt Ion: 75 Resp: 159680
 Ion Ratio Lower Upper
 75 100
 77 26.8 25.9 38.9

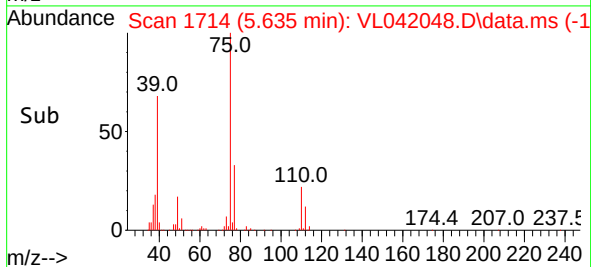
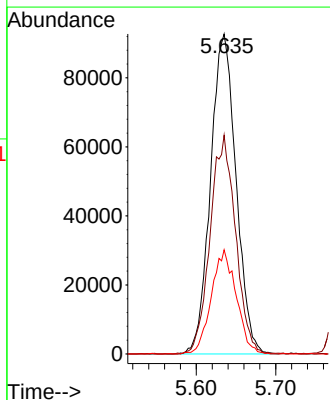
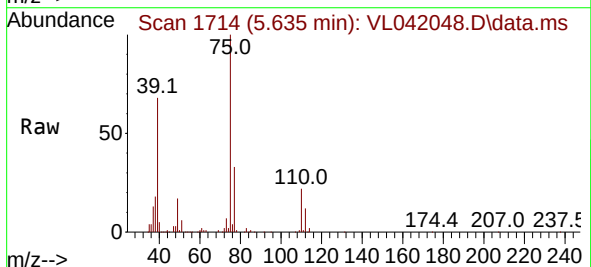
Manual Integrations
 APPROVED

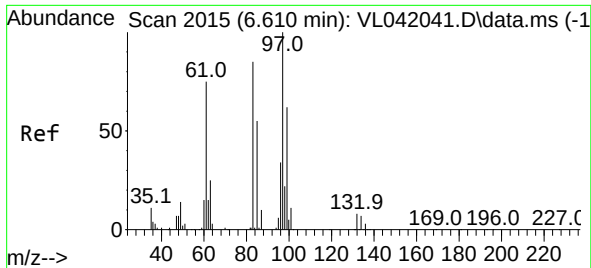
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.680 ppbv
 RT: 5.635 min Scan# 1714
 Delta R.T. 0.006 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

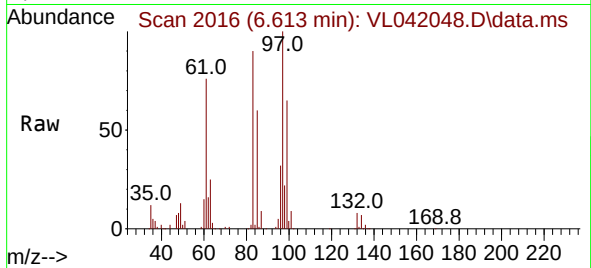
Tgt Ion: 75 Resp: 206836
 Ion Ratio Lower Upper
 75 100
 39 68.1 51.9 77.9
 77 32.6 24.9 37.3





#47
1,1,2-Trichloroethane
Concen: 9.039 ppbv
RT: 6.613 min Scan# 2015
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

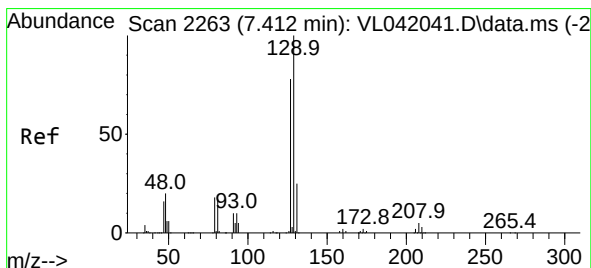
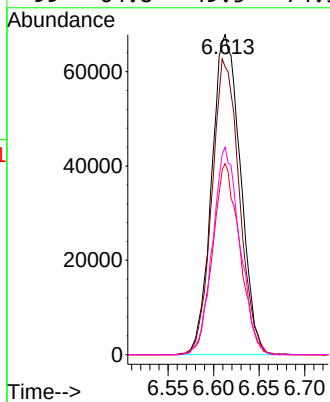
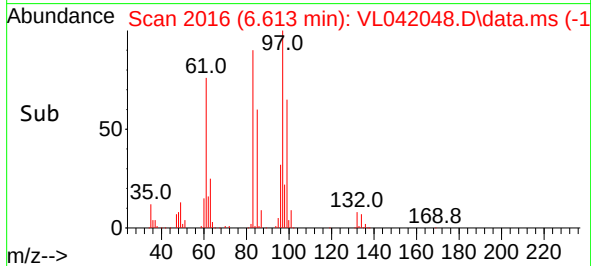
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



Tgt Ion: 97 Resp: 148220
Ion Ratio Lower Upper
97 100
83 89.8 68.1 102.1
85 59.5 44.0 66.0
99 64.8 49.5 74.3

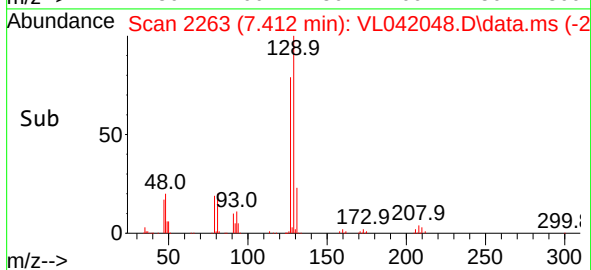
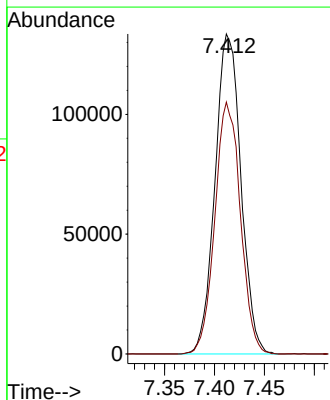
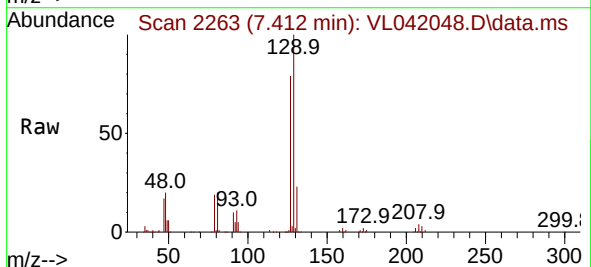
Manual Integrations
APPROVED

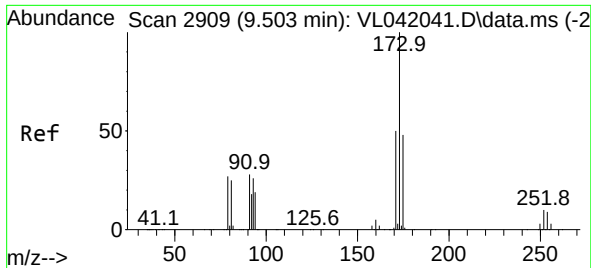
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#48
Dibromochloromethane
Concen: 9.407 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

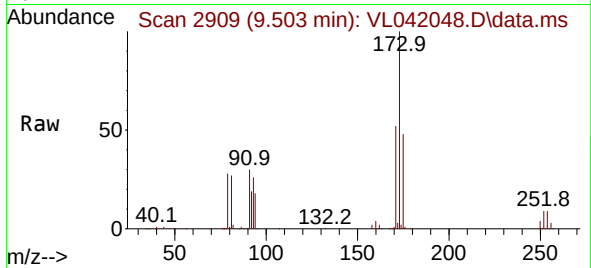
Tgt Ion:129 Resp: 241593
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#49
Bromoform
Concen: 9.432 ppbv
RT: 9.503 min Scan# 2909
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

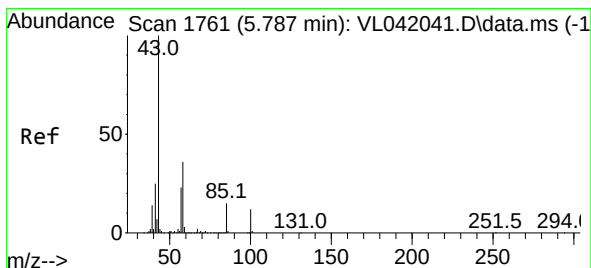
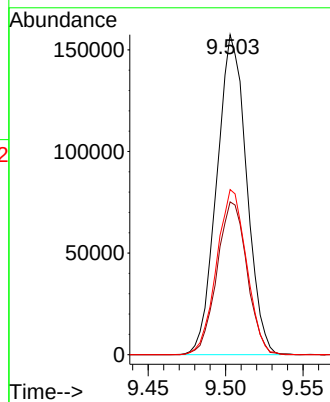
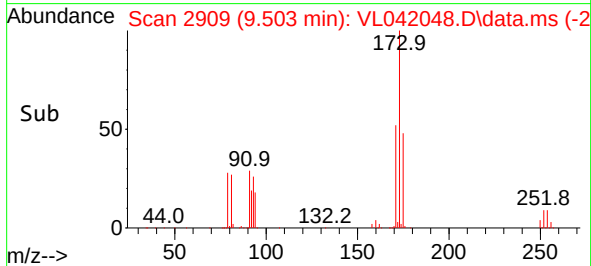
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



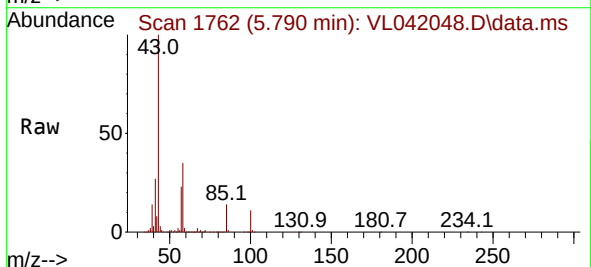
Tgt Ion: 173 Resp: 210370
Ion Ratio Lower Upper
173 100
175 48.2 38.3 57.5
171 52.0 40.2 60.2

Manual Integrations
APPROVED

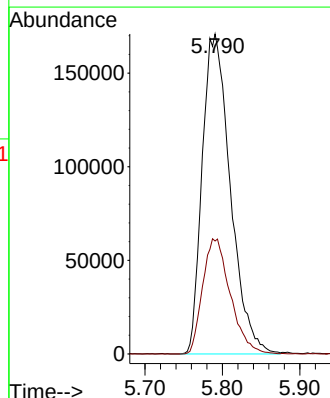
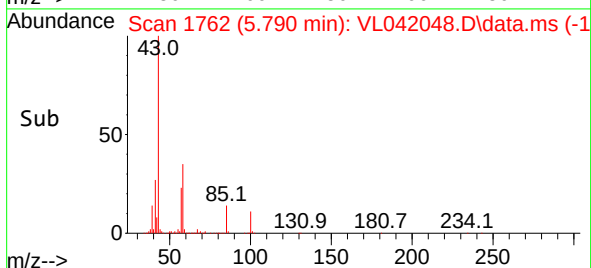
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

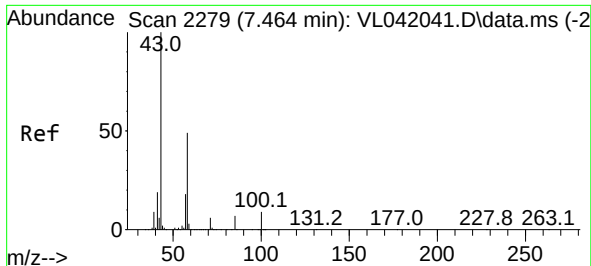


#50
4-Methyl-2-Pentanone
Concen: 10.526 ppbv
RT: 5.790 min Scan# 1762
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



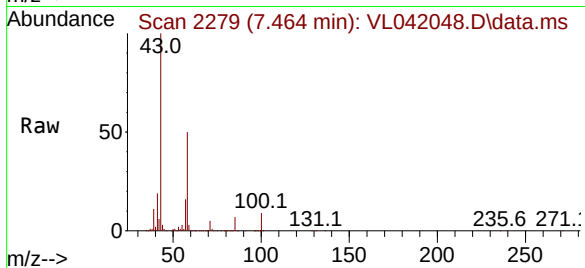
Tgt Ion: 43 Resp: 431123
Ion Ratio Lower Upper
43 100
58 35.4 29.3 43.9





#51
2-Hexanone
Concen: 12.576 ppbv
RT: 7.464 min Scan# 2279
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

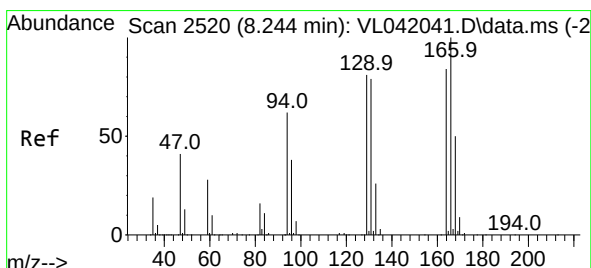
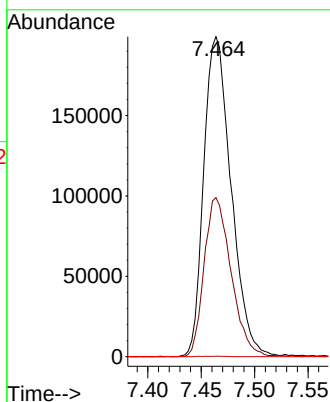
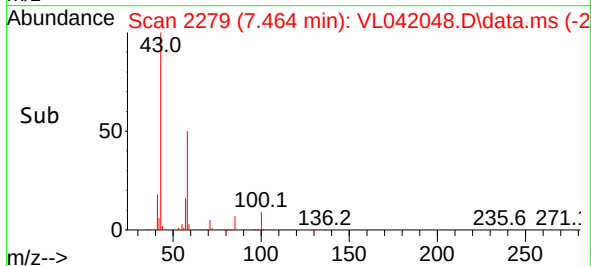
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



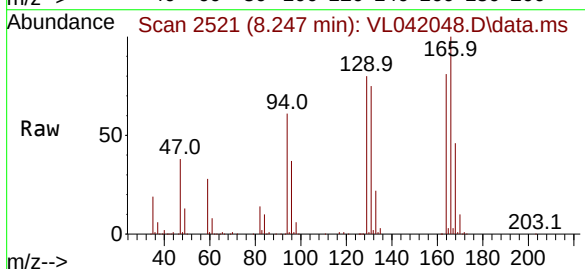
Tgt Ion: 43 Resp: 354515
Ion Ratio Lower Upper
43 100
58 49.1 39.0 58.6
98 0.1 0.1 0.1

Manual Integrations
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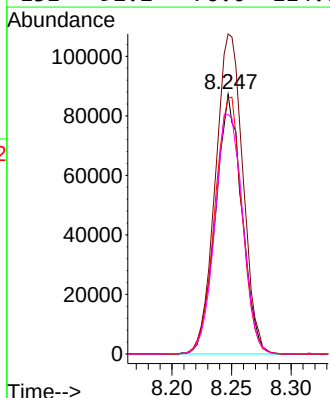
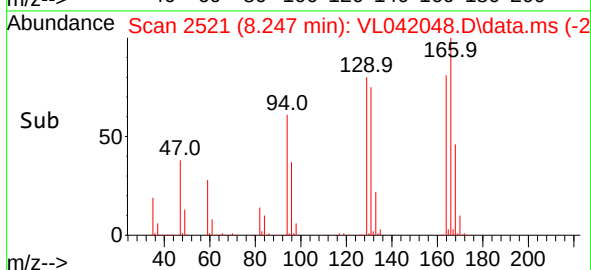
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

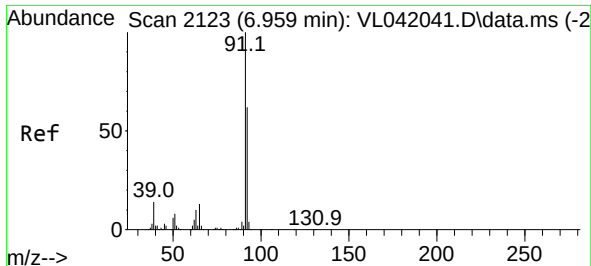


#52
Tetrachloroethene
Concen: 9.202 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



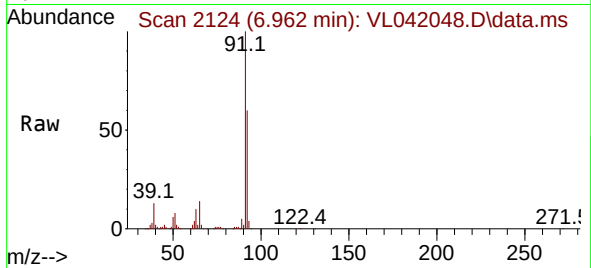
Tgt Ion:164 Resp: 134062
Ion Ratio Lower Upper
164 100
166 123.3 95.7 143.5
129 98.7 77.1 115.7
131 92.2 76.0 114.0





#53
Toluene
Concen: 9.430 ppbv
RT: 6.962 min Scan# 2123
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

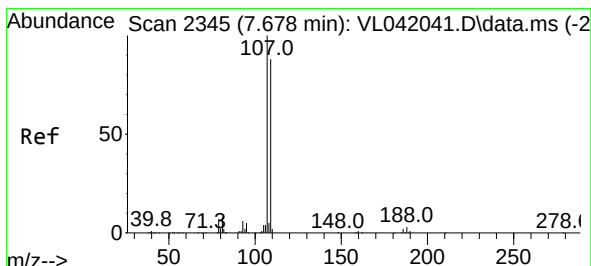
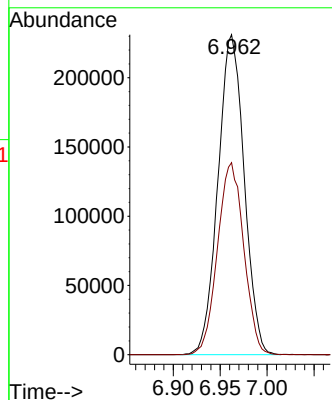
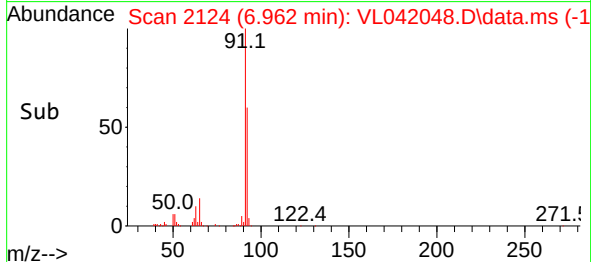
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



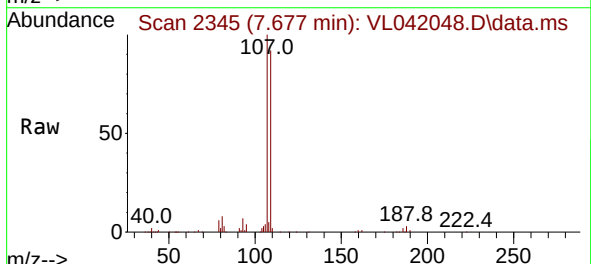
Tgt Ion: 91 Resp: 44849
Ion Ratio Lower Upper
91 100
92 60.1 49.0 73.6

Manual Integrations
APPROVED

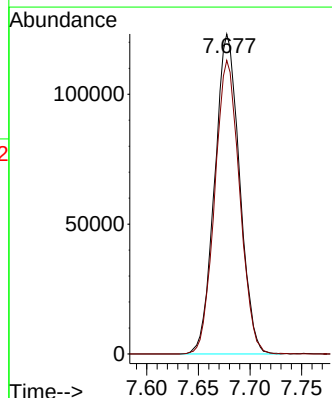
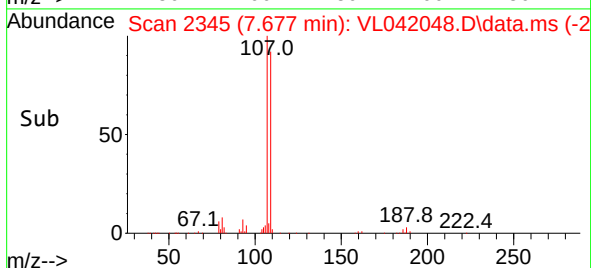
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

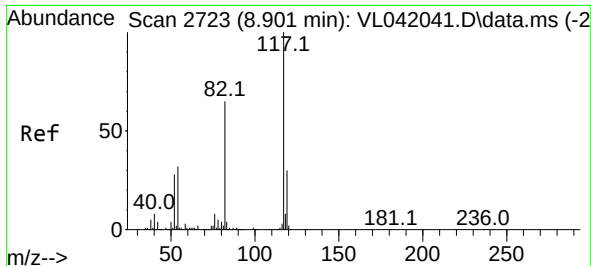


#54
1,2-Dibromoethane
Concen: 9.307 ppbv
RT: 7.677 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



Tgt Ion:107 Resp: 206335
Ion Ratio Lower Upper
107 100
109 91.7 70.2 105.4





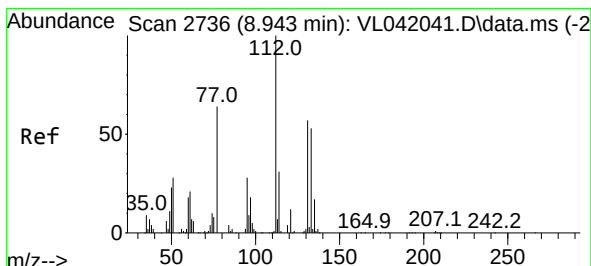
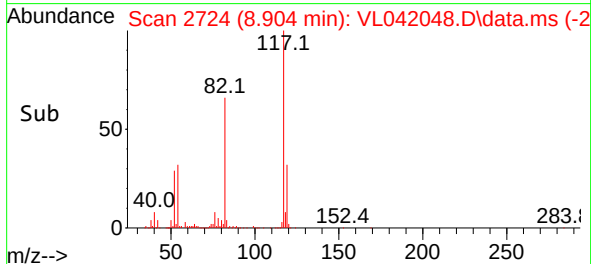
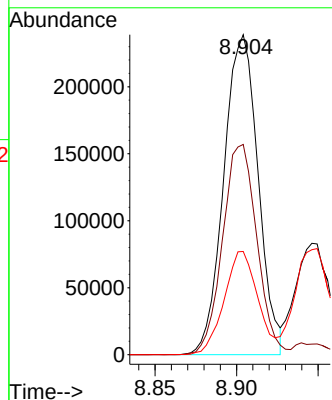
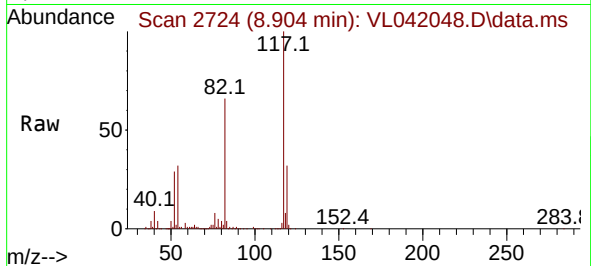
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:117 Resp: 350262
Ion Ratio Lower Upper
117 100
82 68.9 55.0 82.6
119 31.5 25.9 38.9

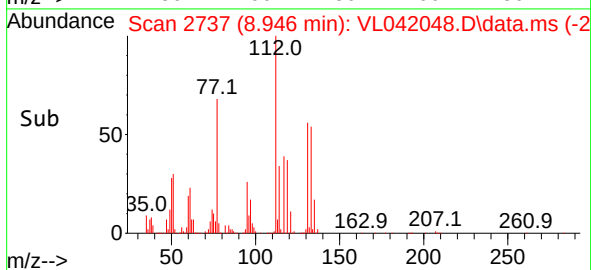
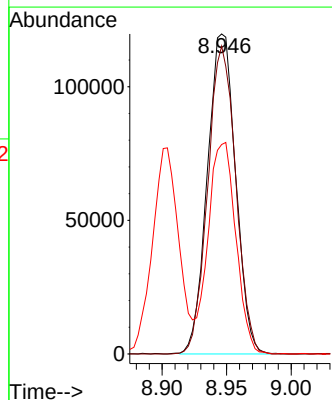
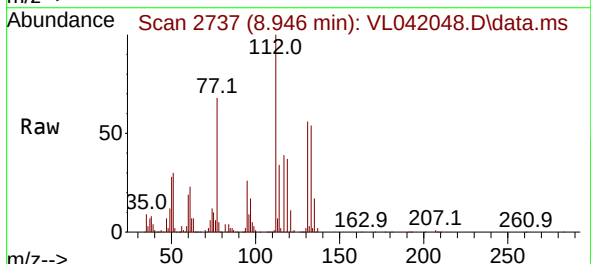
Manual Integrations
APPROVED

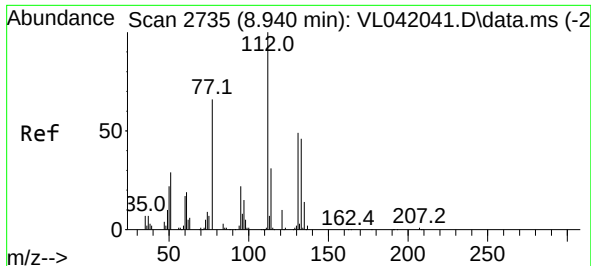
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.234 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

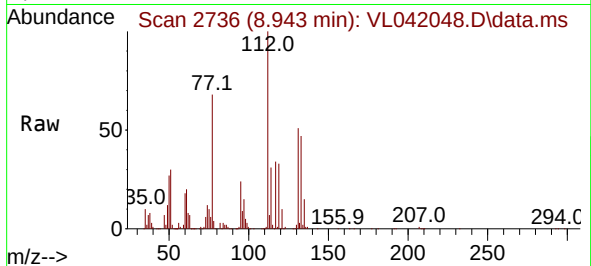
Tgt Ion:131 Resp: 182800
Ion Ratio Lower Upper
131 100
133 95.0 75.8 113.8
119 66.4 52.1 78.1





#57
Chlorobenzene
Concen: 9.216 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

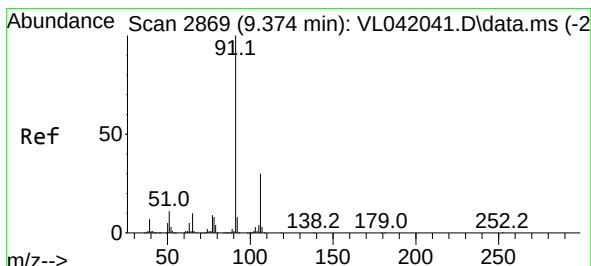
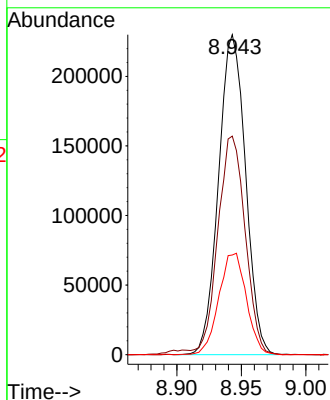
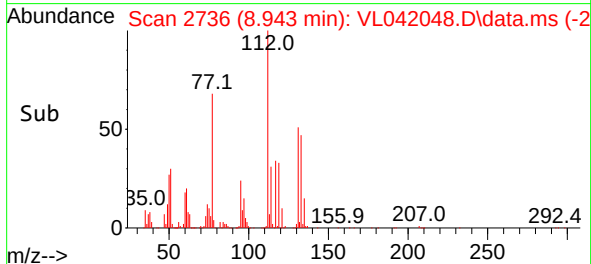
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



Tgt Ion: 112 Resp: 334690
Ion Ratio Lower Upper
112 100
77 68.0 53.4 80.2
114 31.1 28.3 34.5

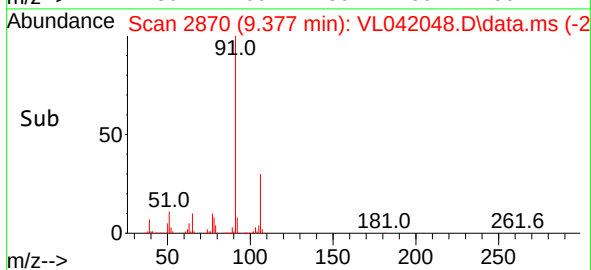
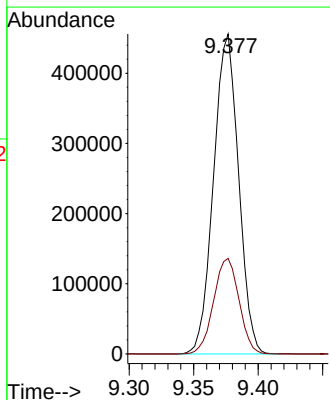
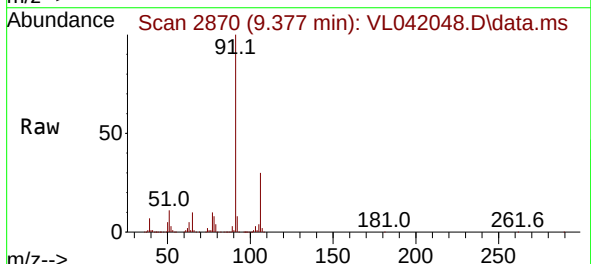
Manual Integrations
APPROVED

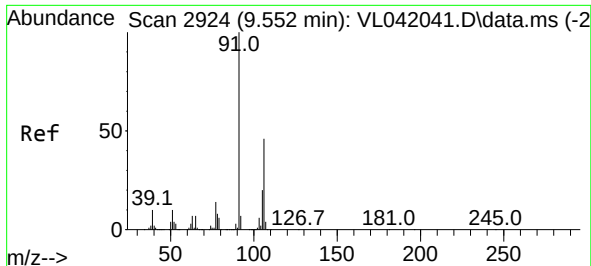
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#58
Ethyl Benzene
Concen: 9.513 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 613622
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2





#59

m/p-Xylene

Concen: 19.041 ppbv m

RT: 9.571 min Scan# 2924

Delta R.T. 0.019 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

Tgt Ion: 91 Resp: 977425

Ion Ratio Lower Upper

91 100

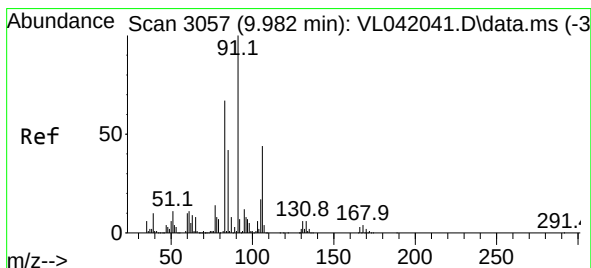
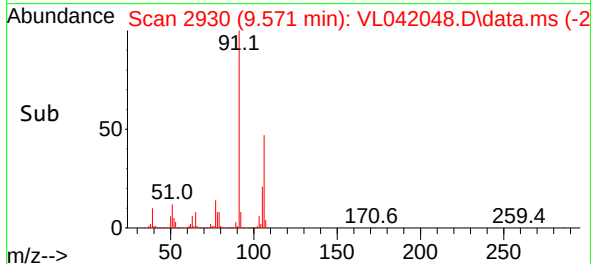
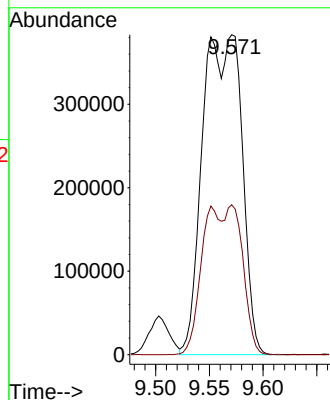
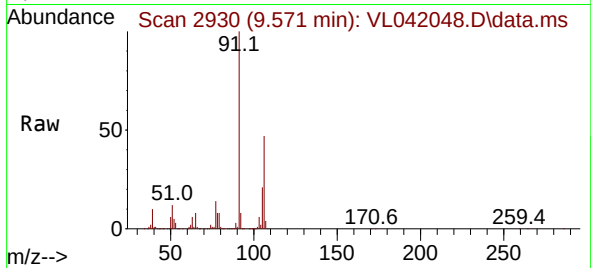
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

o-Xylene

Concen: 9.334 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.003 min

Lab File: VL042048.D

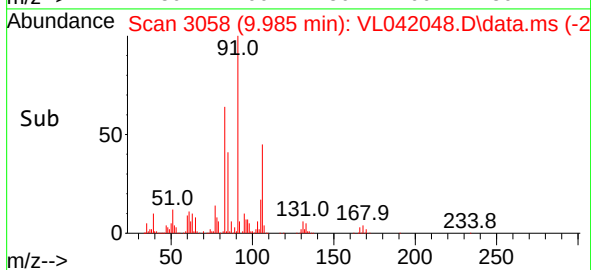
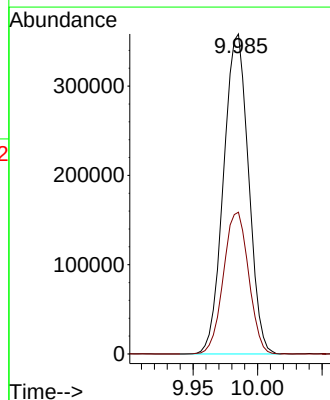
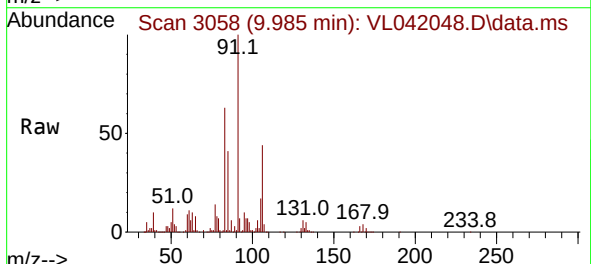
Acq: 25 Feb 2025 13:15

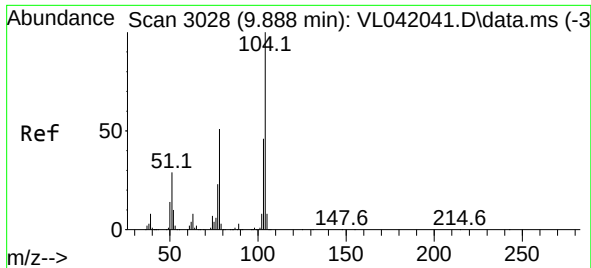
Tgt Ion: 91 Resp: 481683

Ion Ratio Lower Upper

91 100

106 44.7 22.3 66.8





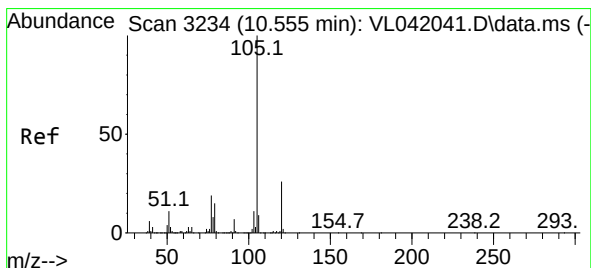
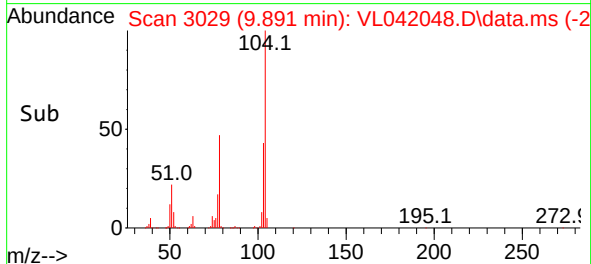
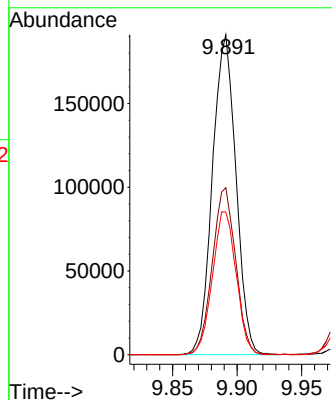
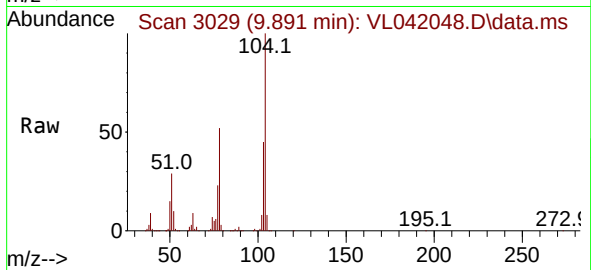
#61
Styrene
Concen: 9.959 ppbv
RT: 9.891 min Scan# 3029
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument : MSVOA_L
ClientSampleId : ICVVL022525

Tgt Ion:104 Resp: 241617
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 45.3 37.0 55.6

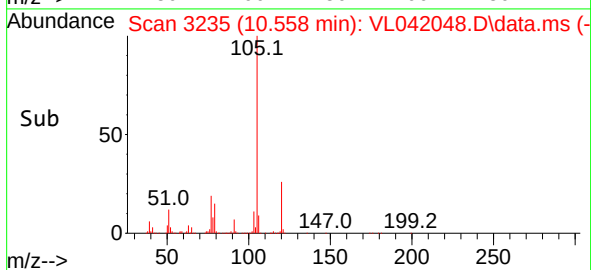
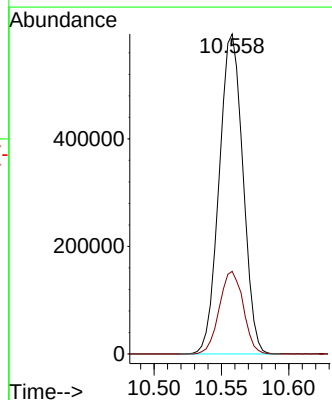
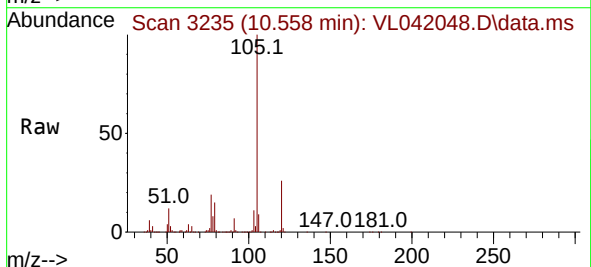
Manual Integrations
APPROVED

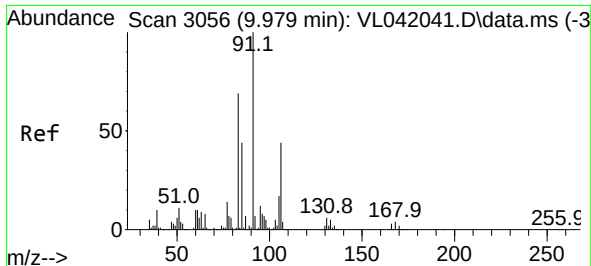
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#62
Isopropylbenzene
Concen: 9.437 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

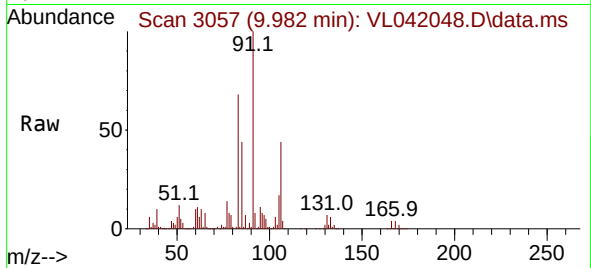
Tgt Ion:105 Resp: 729350
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 9.204 ppbv
RT: 9.982 min Scan# 3056
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

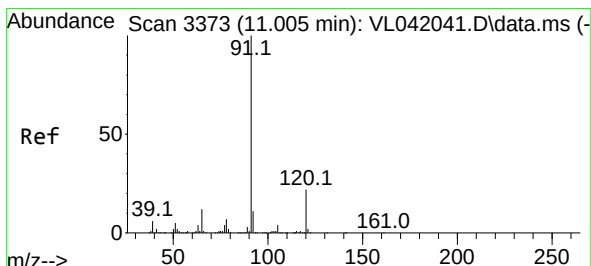
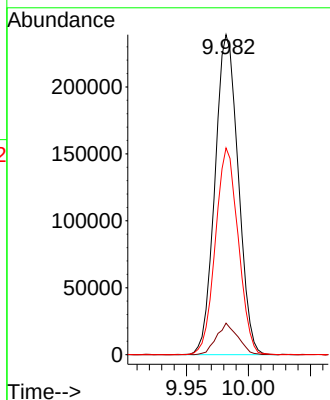
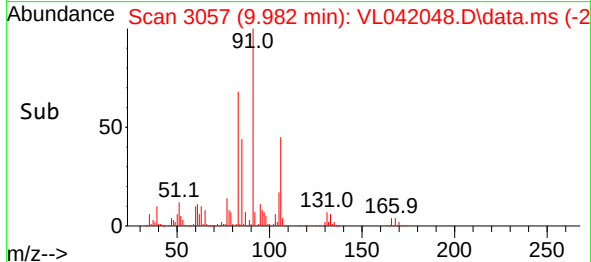
Instrument : MSVOA_L
Client Sample Id : ICVVL022525



Tgt Ion: 83 Resp: 312794
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.7
85 63.5 32.1 96.3

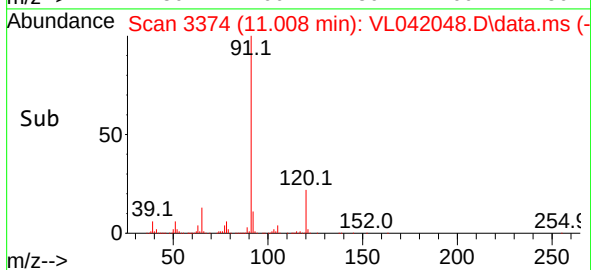
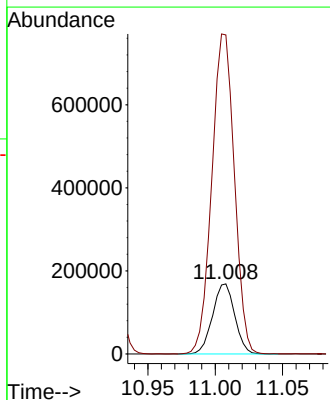
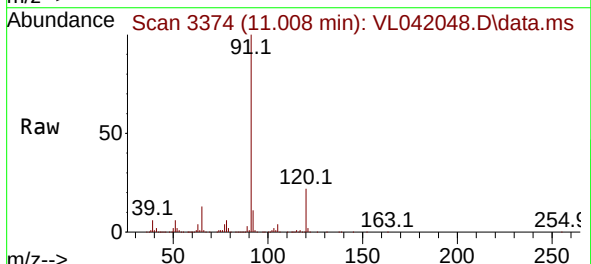
Manual Integrations
APPROVED

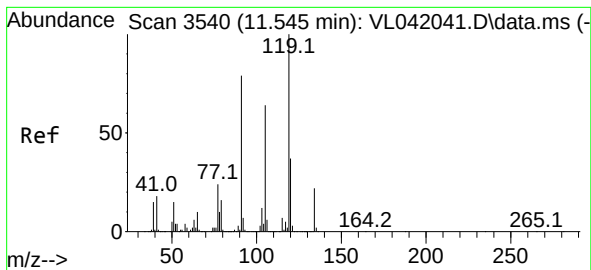
Reviewed By : Semsettin Yesilyurt 02/26/2025
Supervised By : Mahesh Dadoda 02/26/2025



#64
n-propylbenzene
Concen: 9.506 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

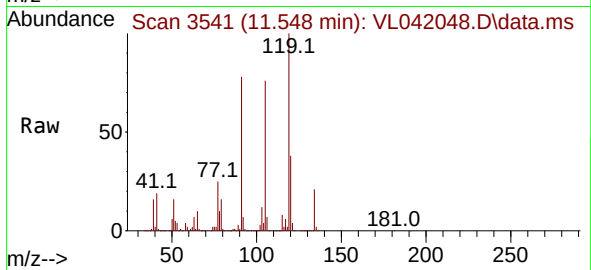
Tgt Ion: 120 Resp: 192704
Ion Ratio Lower Upper
120 100
91 466.1 370.6 556.0





#65
tert-Butylbenzene
Concen: 8.988 ppbv
RT: 11.548 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

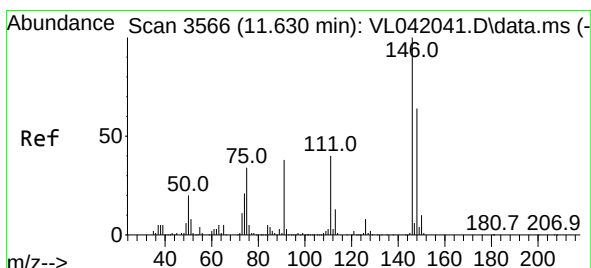
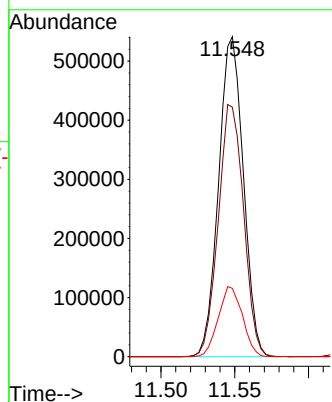
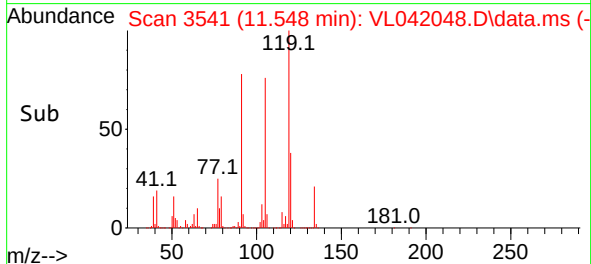
Instrument : MSVOA_L
ClientSampleId : ICVVL022525



Tgt Ion: 119 Resp: 63220
Ion Ratio Lower Upper
119 100
91 80.5 64.2 96.2
134 21.4 17.4 26.2

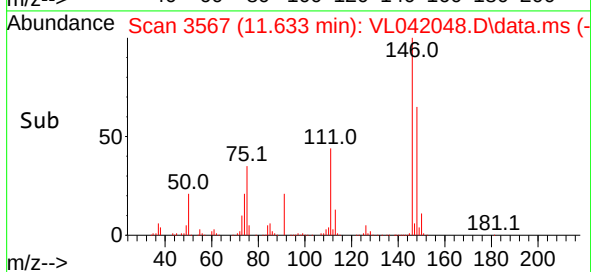
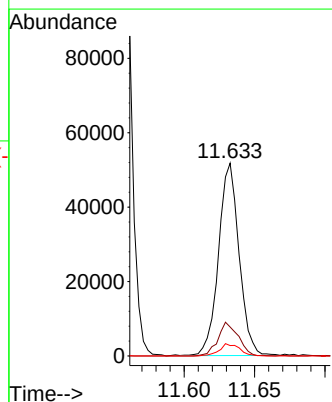
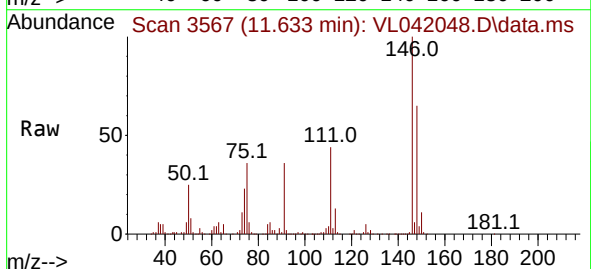
Manual Integrations
APPROVED

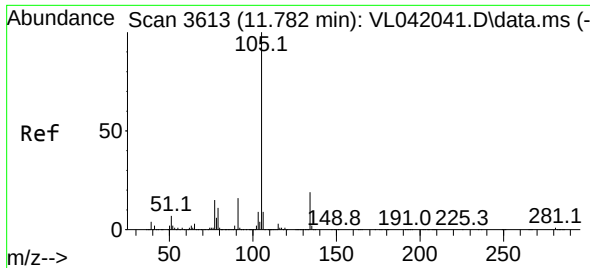
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#66
Benzyl Chloride
Concen: 9.808 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

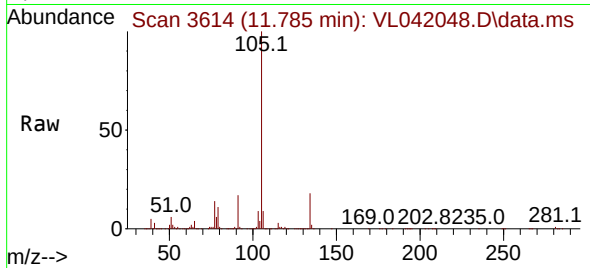
Tgt Ion: 91 Resp: 52645
Ion Ratio Lower Upper
91 100
126 17.4 14.5 21.7
128 6.2 5.4 8.2





#67
 sec-Butylbenzene
 Concen: 9.090 ppbv
 RT: 11.785 min Scan# 3613
 Delta R.T. 0.003 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

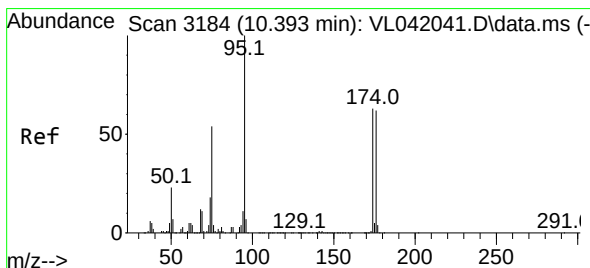
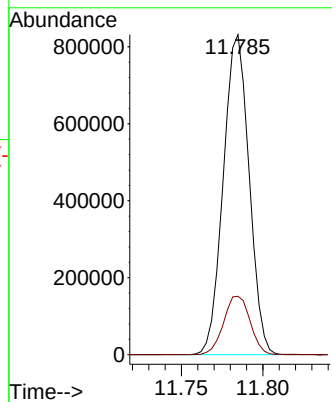
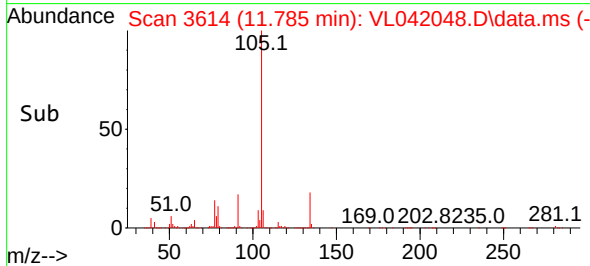
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022525



Tgt Ion: 105 Resp: 91440
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.9 22.3

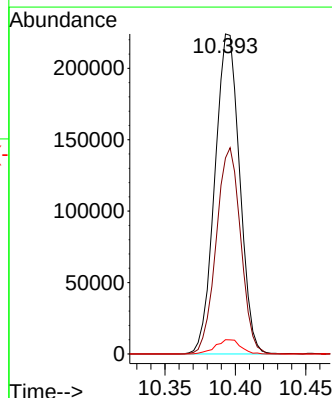
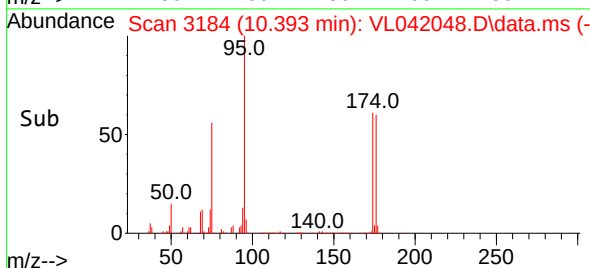
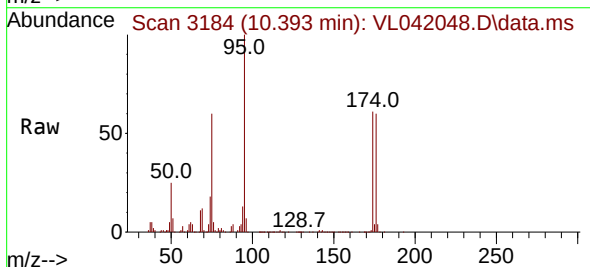
Manual Integrations
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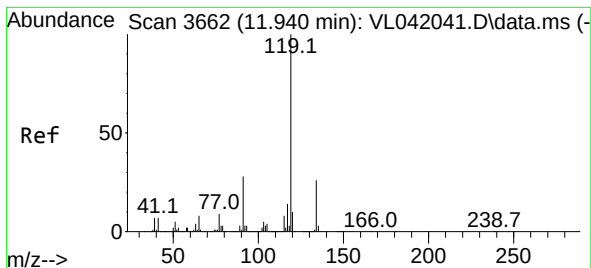
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.188 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

Tgt Ion: 95 Resp: 274527
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.8 77.6
 175 4.5 3.9 5.9





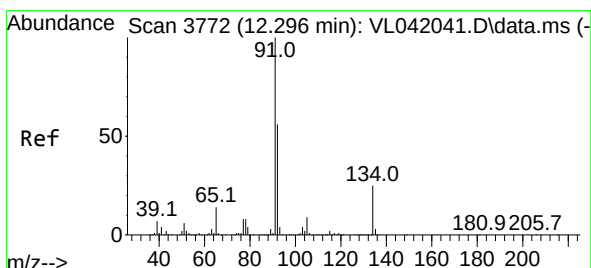
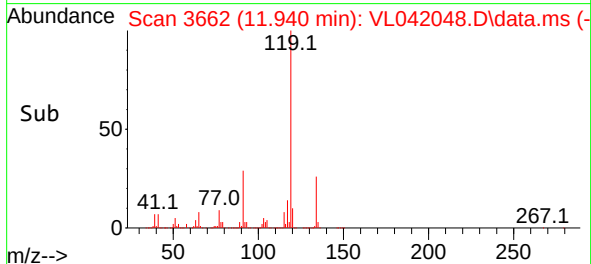
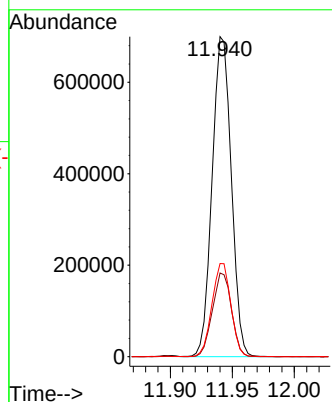
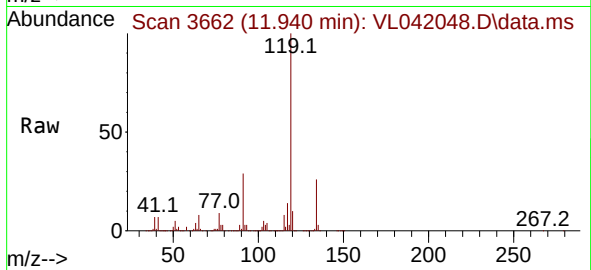
#69
p-Isopropyltoluene
Concen: 9.418 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument : MSVOA_L
ClientSampleId : ICVVL022525

Tgt Ion: 119 Resp: 75376
Ion Ratio Lower Upper
119 100
134 26.1 20.9 31.3
91 28.9 23.1 34.7

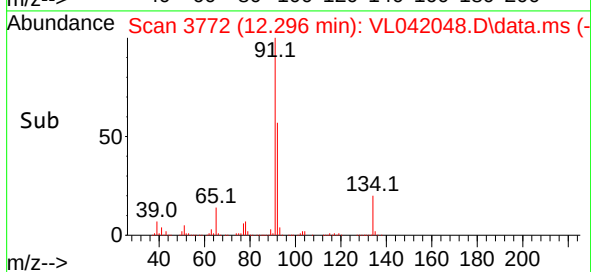
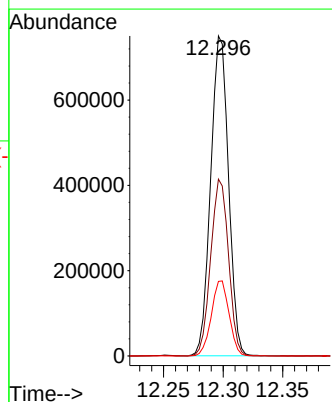
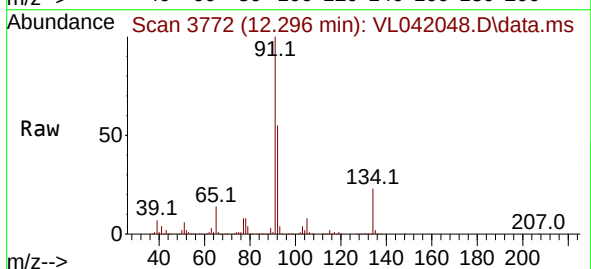
Manual Integrations APPROVED

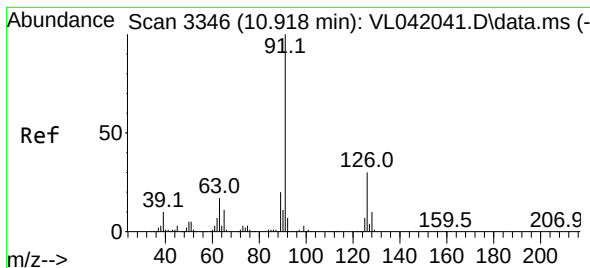
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#70
n-Butylbenzene
Concen: 9.560 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 781034
Ion Ratio Lower Upper
91 100
92 55.4 44.7 67.1
134 23.4 18.9 28.3





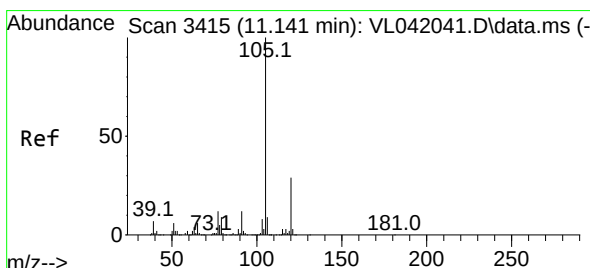
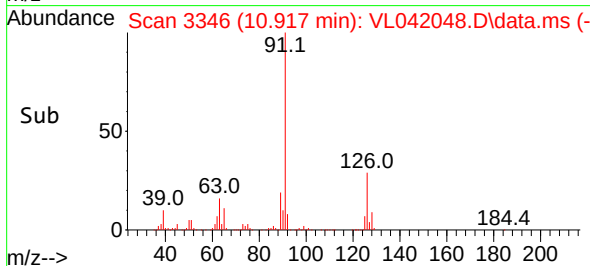
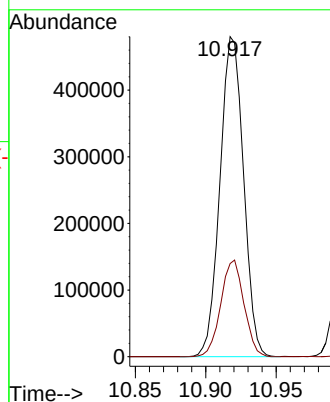
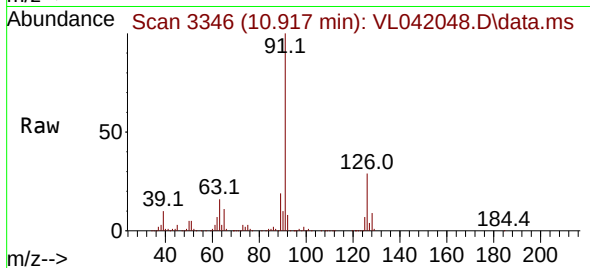
#71
2-Chlorotoluene
Concen: 9.399 ppbv
RT: 10.917 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 91 Resp: 55999
Ion Ratio Lower Upper
91 100
126 29.6 11.9 47.5

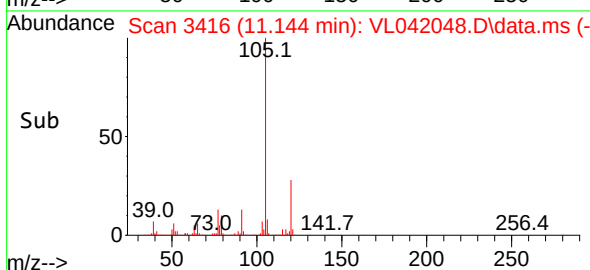
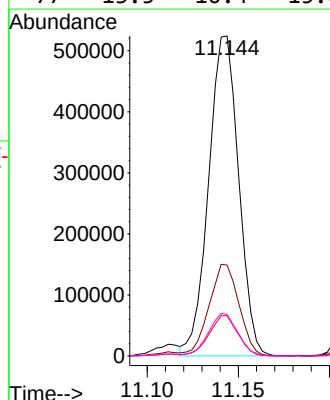
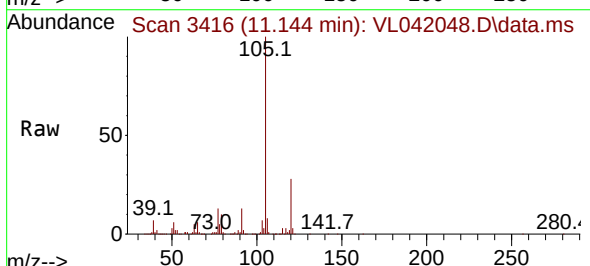
Manual Integrations
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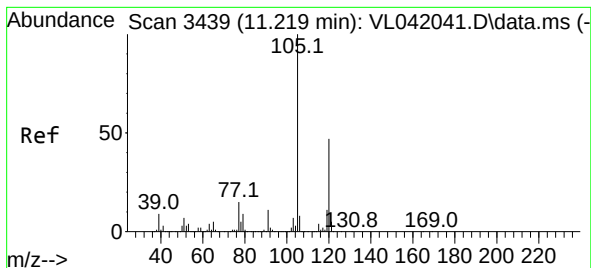
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
4-Ethyltoluene
Concen: 9.557 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 602156
Ion Ratio Lower Upper
105 100
120 29.5 24.1 36.1
91 12.7 10.2 15.4
77 13.5 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.248 ppbv

RT: 11.222 min Scan# 3439

Delta R.T. 0.003 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022525

Tgt Ion:105 Resp: 50545

Ion Ratio Lower Upper

105 100

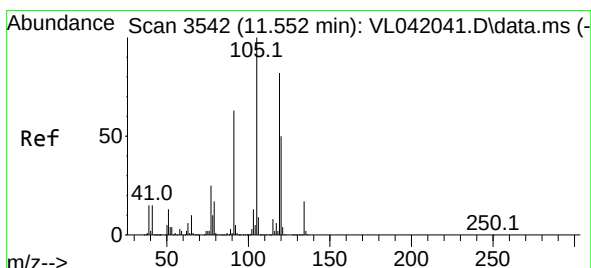
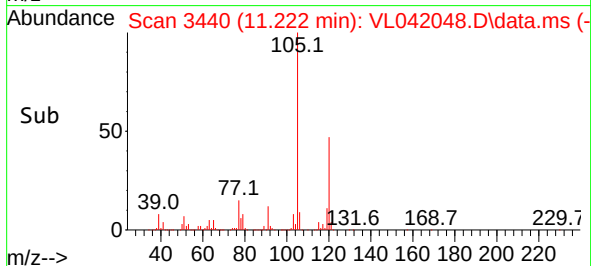
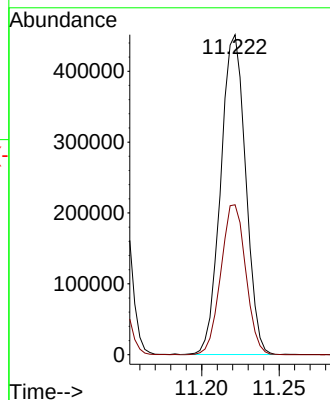
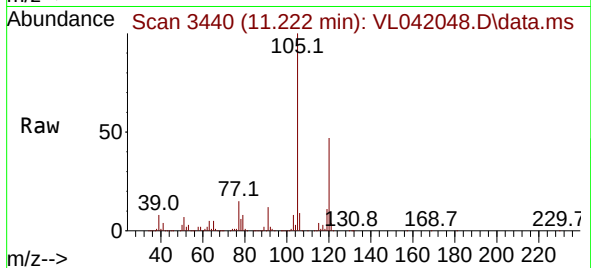
120 46.9 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.891 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL042048.D

Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 547176

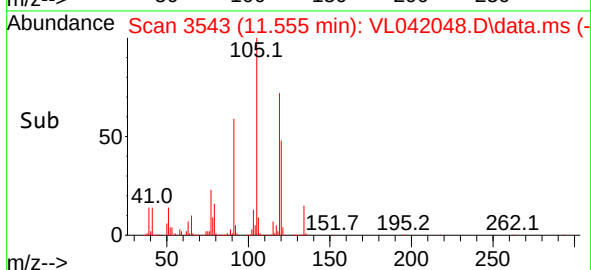
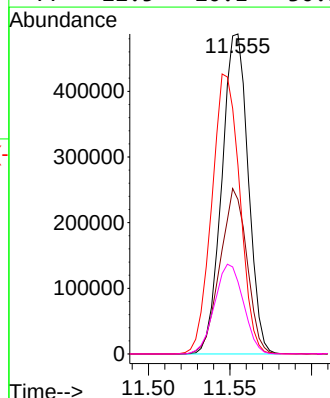
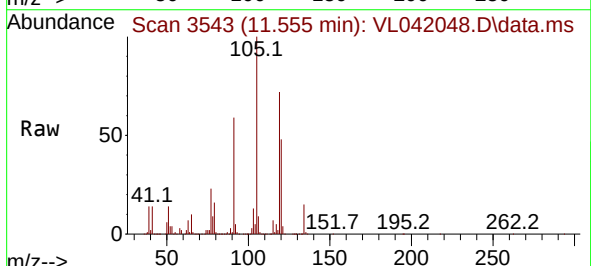
Ion Ratio Lower Upper

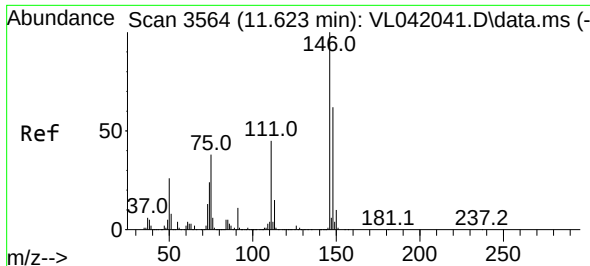
105 100

120 48.2 40.2 60.2

91 58.9 51.4 77.2

77 22.5 20.1 30.1





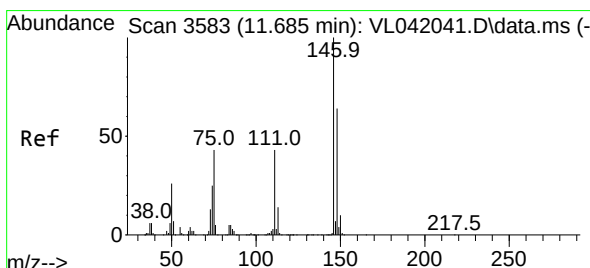
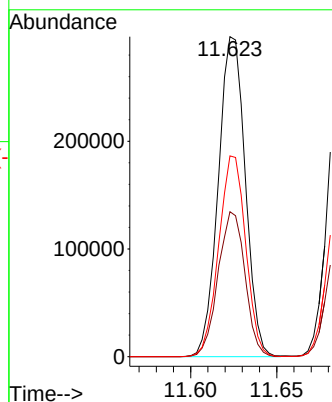
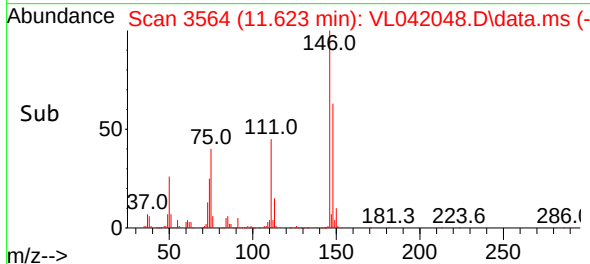
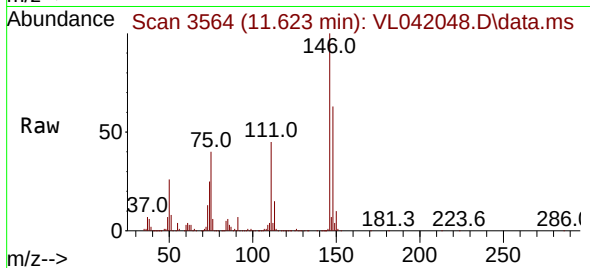
#75
1,3-Dichlorobenzene
Concen: 9.161 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument : MSVOA_L
ClientSampleId : ICVVL022525

Tgt Ion:146 Resp: 32449
Ion Ratio Lower Upper
146 100
111 45.0 22.4 67.2
148 62.7 32.3 96.8

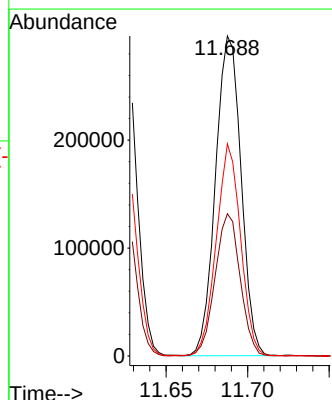
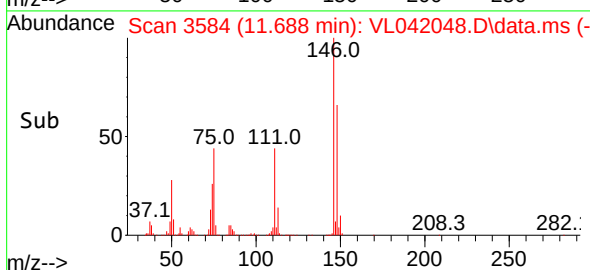
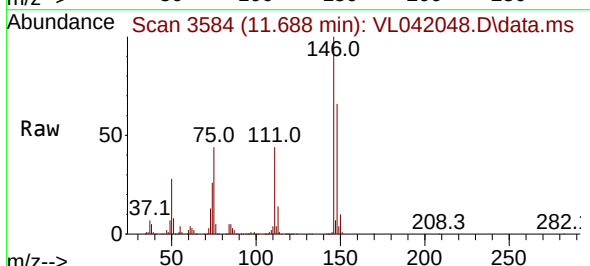
Manual Integrations
APPROVED

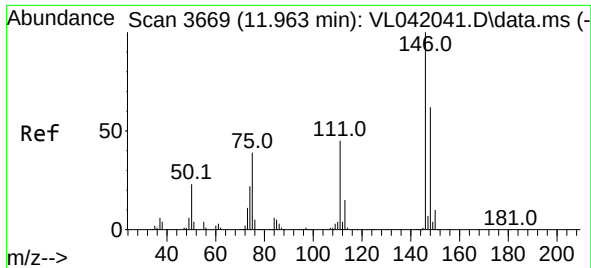
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#76
1,4-Dichlorobenzene
Concen: 9.176 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

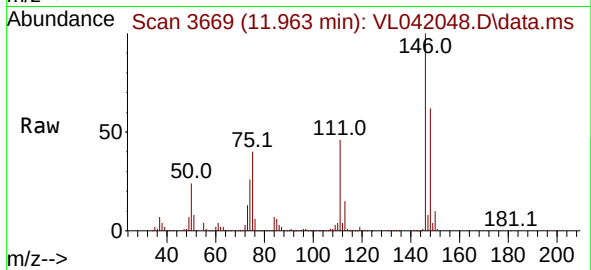
Tgt Ion:146 Resp: 322712
Ion Ratio Lower Upper
146 100
111 43.8 21.5 64.5
148 63.2 31.6 95.0





#77
1,2-Dichlorobenzene
Concen: 9.081 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

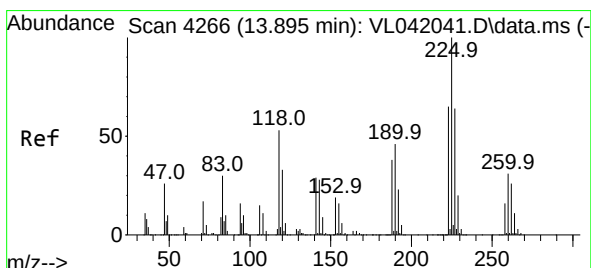
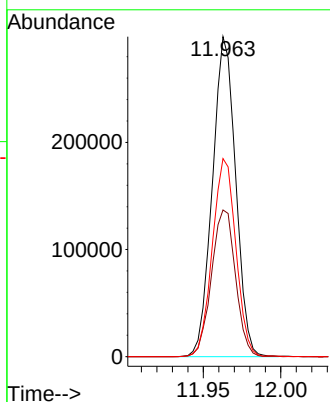
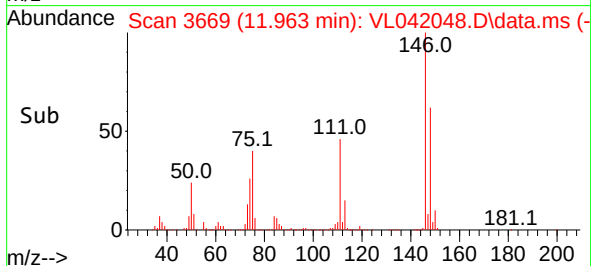
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



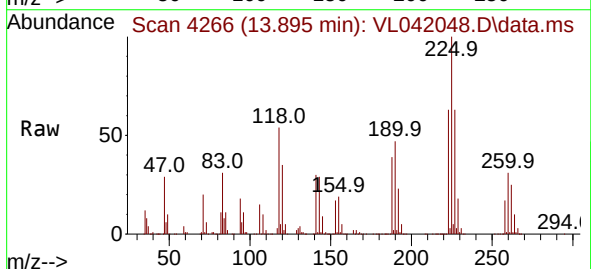
Tgt Ion:146 Resp: 312159
Ion Ratio Lower Upper
146 100
111 47.4 23.2 69.6
148 62.6 31.4 94.2

Manual Integrations
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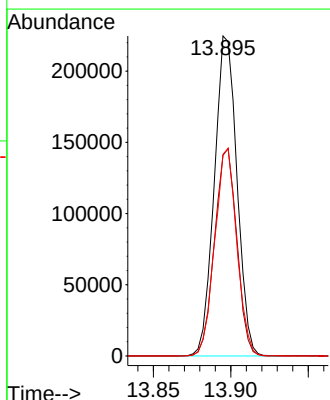
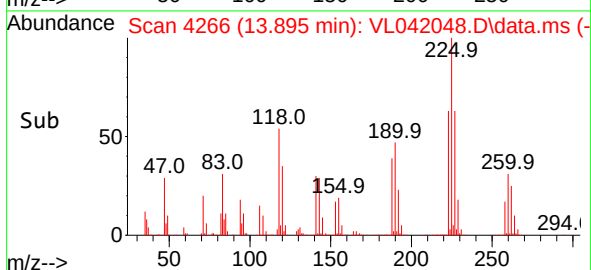
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

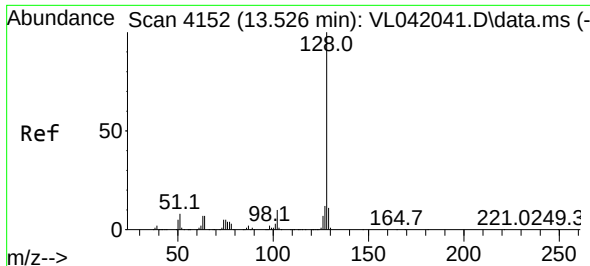


#78
Hexachloro-1,3-Butadiene
Concen: 8.543 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



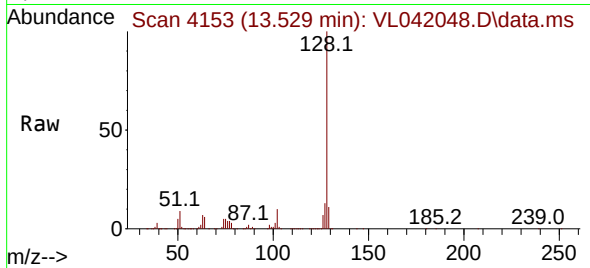
Tgt Ion:225 Resp: 228480
Ion Ratio Lower Upper
225 100
223 63.5 50.2 75.2
227 63.1 50.8 76.2





#79
Naphthalene
Concen: 12.160 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

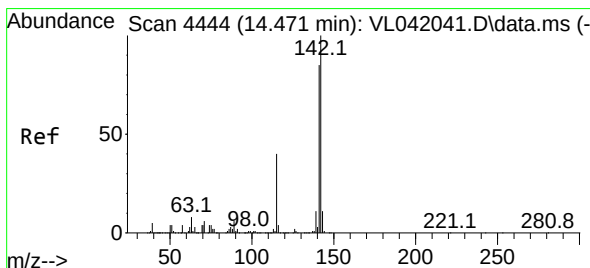
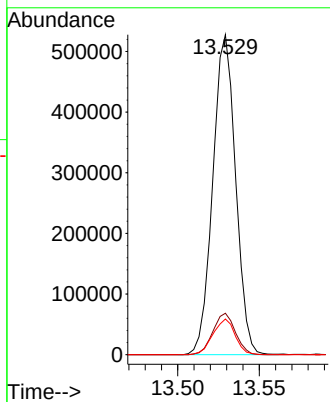
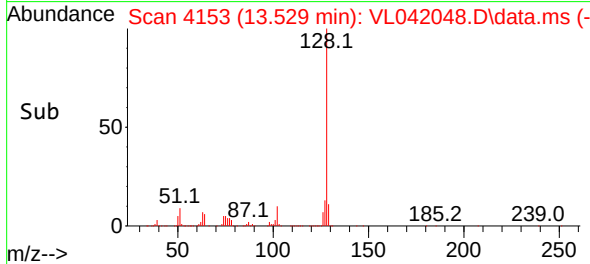
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525



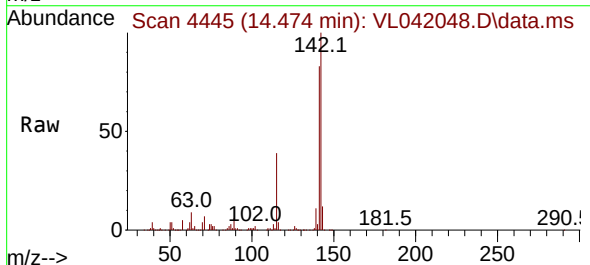
Tgt Ion:128 Resp: 51314
Ion Ratio Lower Upper
128 100
127 13.0 9.8 14.6
129 11.1 8.6 12.8

Manual Integrations
APPROVED

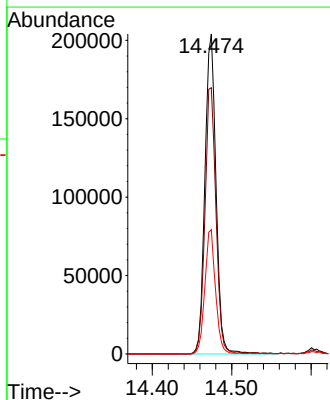
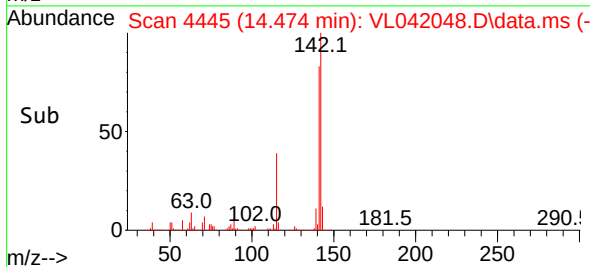
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

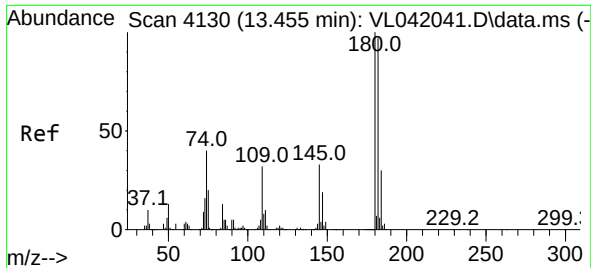


#80
Naphthalene,2-methyl-
Concen: 17.152 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15



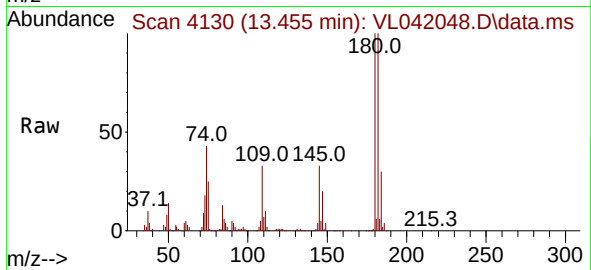
Tgt Ion:142 Resp: 198077
Ion Ratio Lower Upper
142 100
141 83.6 65.8 98.6
115 38.2 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.965 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042048.D
 Acq: 25 Feb 2025 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022525



Tgt Ion:180 Resp: 234354
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.1 112.7
 184 29.7 23.8 35.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

