

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061725\
 Data File : VL042643.D
 Acq On : 17 Jun 2025 12:04
 Operator : SY/MD
 Sample : VL0617ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 04:23:29 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	106303	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	273980	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	245847	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 192966 10.471 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	138190	10.577	ppbv	98
3) Chlorodifluoromethane	1.476	51	174964	9.724	ppbv	96
4) Chloromethane	1.534	50	51395	9.934	ppbv	95
5) Vinyl Chloride	1.580	62	48887	9.276	ppbv	99
6) Bromomethane	1.667	94	23959	9.340	ppbv	91
7) Chloroethane	1.706	64	19764	9.651	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	111214	10.216	ppbv	100
9) Propene	1.482	41	65876	9.091	ppbv	99
10) Heptane	4.985	43	195395	9.566	ppbv	99
11) Trichlorofluoromethane	1.877	101	139590	11.483	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	107639	11.276	ppbv	97
13) Ethanol	1.722	45	5371	6.220	ppbv	90
14) Bromoethene	1.784	108	37811	10.531	ppbv	99
15) Acetone	1.835	43	114243	8.922	ppbv	99
16) 1,3-Butadiene	1.609	39	56416	9.301	ppbv	95
17) tert-Butyl alcohol	2.039	59	131717	9.874	ppbv	99
18) 1,1-Dichloroethene	2.036	96	45738	10.338	ppbv	95
19) Isopropyl Alcohol	1.887	45	73381	9.586	ppbv	95
20) Methylene Chloride	2.062	84	40508	9.586	ppbv	96
21) Allyl Chloride	2.097	41	90243	9.989	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	51782	10.478	ppbv	97
23) Vinyl Acetate	2.463	43	197120	11.389	ppbv	98
24) 1,1-Dichloroethane	2.408	63	106705	10.494	ppbv	99
25) Ethyl Acetate	2.835	43	347832	9.926	ppbv	99
26) Hexane	2.826	57	151402	9.509	ppbv	97
27) Carbon Disulfide	2.152	76	129779	10.617	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	60927	9.430	ppbv	100
29) Chloroform	2.848	83	224264	10.831	ppbv	94
30) Cyclohexane	3.858	84	121227	9.184	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	144082	9.892	ppbv	94
32) 1,1,1-Trichloroethane	3.369	97	216626	10.240	ppbv	98
34) 2-Butanone	2.557	43	226867	11.611	ppbv	99
35) Carbon Tetrachloride	3.764	117	216203	11.954	ppbv	99
36) Benzene	3.658	78	297577	11.030	ppbv	99
37) 1,2-Dichloroethane	3.221	62	170394	12.707	ppbv	98
38) Trichloroethene	4.551	130	120411	10.500	ppbv	93
39) 1,2-Dichloropropane	4.315	63	110071	11.032	ppbv	95
40) 1,4-Dioxane	4.586	88	47781	10.702	ppbv #	93
41) Tetrahydrofuran	3.055	42	123216	10.773	ppbv	99
42) Bromodichloromethane	4.493	83	236764	12.432	ppbv	99
43) Methyl Methacrylate	4.884	69	110859	10.587	ppbv	98
44) 2,2,4-Trimethylpentane	4.641	57	507673	11.000	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	130720	10.909	ppbv	100

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	161415	10.750	ppbv	98
47) 1,1,2-Trichloroethane	6.583	97	114840	11.119	ppbv	92
48) Dibromochloromethane	7.393	129	188535	11.403	ppbv	100
49) Bromoform	9.487	173	163142	11.435	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	297761	10.987	ppbv	98
51) 2-Hexanone	7.441	43	236708	11.013	ppbv #	97
52) Tetrachloroethene	8.228	164	100491	9.968	ppbv	99
53) Toluene	6.936	91	326779	10.479	ppbv	100
54) 1,2-Dibromoethane	7.655	107	168728	11.037	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	144980	11.728	ppbv	99
57) Chlorobenzene	8.924	112	258396	10.825	ppbv	96
58) Ethyl Benzene	9.357	91	456880	10.956	ppbv	98
59) m/p-Xylene	9.555	91	754061m	22.978	ppbv	
60) o-Xylene	9.969	91	370203	11.311	ppbv	97
61) Styrene	9.875	104	158495	10.242	ppbv	97
62) Isopropylbenzene	10.542	105	534524	11.054	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	235229	11.302	ppbv	100
64) n-propylbenzene	10.992	120	139016	10.725	ppbv	91
65) tert-Butylbenzene	11.532	119	470406	10.720	ppbv	95
66) Benzyl Chloride	11.616	91	49219	8.714	ppbv	99
67) sec-Butylbenzene	11.772	105	674413	10.932	ppbv	98
69) p-Isopropyltoluene	11.927	119	558874	10.818	ppbv	98
70) n-Butylbenzene	12.283	91	575500	11.285	ppbv	99
71) 2-Chlorotoluene	10.904	91	410339	11.125	ppbv	96
72) 4-Ethyltoluene	11.128	105	459294	11.255	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	377446	11.176	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	418758	11.173	ppbv #	91
75) 1,3-Dichlorobenzene	11.610	146	255758	10.866	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	256060	10.908	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	250305	10.958	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	176853	9.357	ppbv	99
79) Naphthalene	13.516	128	399837	11.317	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	196574	12.316	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	208429	10.569	ppbv	99

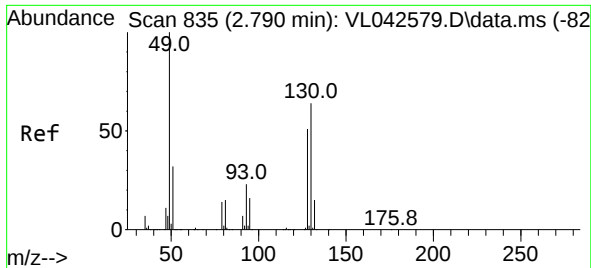
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

The chromatogram displays a series of sharp peaks against a baseline, indicating the presence of various chemical compounds. The y-axis represents 'Abundance' from 0 to 2,700,000, and the x-axis represents 'Time-->' from 1.00 to 21.00 minutes. The following table lists the compounds identified in the plot, ordered by their retention time:

Retention Time (min)	Compound Name
1.5	1,1,1-Trichloroethane, T
1.8	1,1,1-Trichloroethane, T
2.0	1,1,1-Trichloroethane, T
2.2	1,1,1-Trichloroethane, T
2.5	1,1,1-Trichloroethane, T
2.8	1,1,1-Trichloroethane, T
3.0	1,1,1-Trichloroethane, T
3.2	1,1,1-Trichloroethane, T
3.5	1,1,1-Trichloroethane, T
3.8	1,1,1-Trichloroethane, T
4.0	1,1,1-Trichloroethane, T
4.2	1,1,1-Trichloroethane, T
4.5	1,1,1-Trichloroethane, T
4.8	1,1,1-Trichloroethane, T
5.0	1,1,1-Trichloroethane, T
5.5	1,1,1-Trichloroethane, T
6.0	1,1,1-Trichloroethane, T
6.5	1,1,1-Trichloroethane, T
7.0	1,1,1-Trichloroethane, T
7.5	1,1,1-Trichloroethane, T
8.0	1,1,1-Trichloroethane, T
8.5	1,1,1-Trichloroethane, T
9.0	1,1,1-Trichloroethane, T
9.5	1,1,1-Trichloroethane, T
10.0	1,1,1-Trichloroethane, T
10.5	1,1,1-Trichloroethane, T
11.0	1,1,1-Trichloroethane, T
11.5	1,1,1-Trichloroethane, T
12.0	1,1,1-Trichloroethane, T
12.5	1,1,1-Trichloroethane, T
13.0	1,1,1-Trichloroethane, T
13.5	1,1,1-Trichloroethane, T
14.0	1,1,1-Trichloroethane, T
14.5	1,1,1-Trichloroethane, T
15.0	1,1,1-Trichloroethane, T
15.5	1,1,1-Trichloroethane, T
16.0	1,1,1-Trichloroethane, T
16.5	1,1,1-Trichloroethane, T
17.0	1,1,1-Trichloroethane, T
17.5	1,1,1-Trichloroethane, T
18.0	1,1,1-Trichloroethane, T
18.5	1,1,1-Trichloroethane, T
19.0	1,1,1-Trichloroethane, T
19.5	1,1,1-Trichloroethane, T
20.0	1,1,1-Trichloroethane, T
20.5	1,1,1-Trichloroethane, T
21.0	1,1,1-Trichloroethane, T



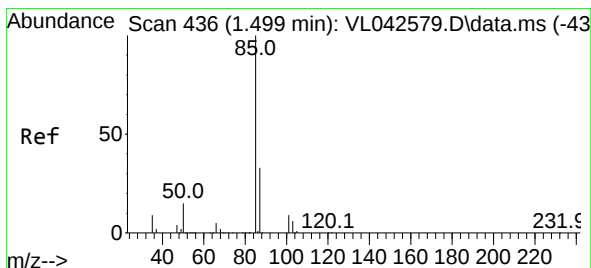
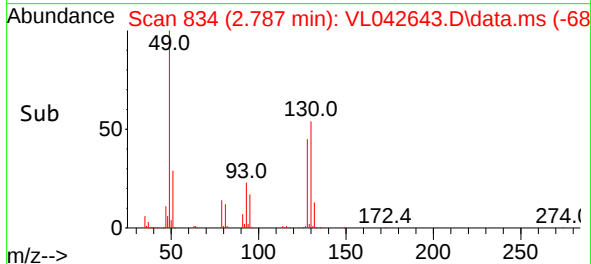
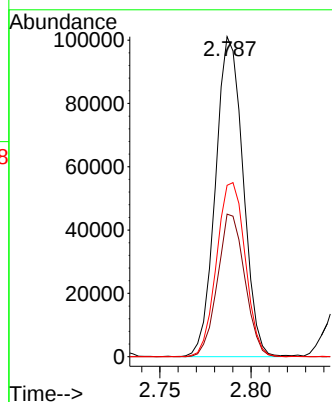
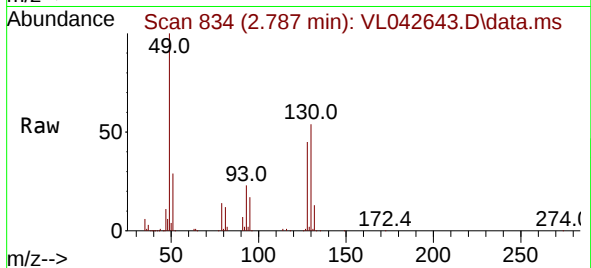
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion: 49 Resp: 10630
Ion Ratio Lower Upper
49 100
128 44.0 24.2 72.6
130 56.4 30.4 91.2

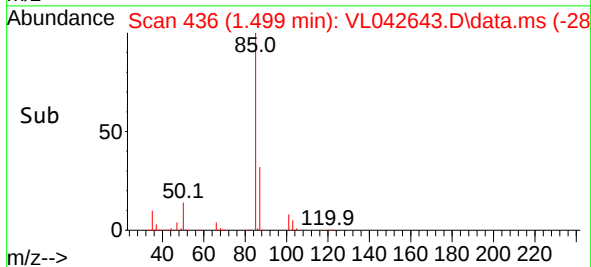
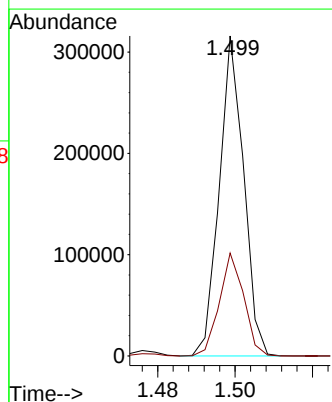
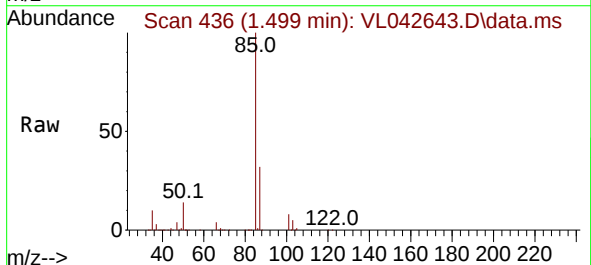
Manual Integrations
APPROVED

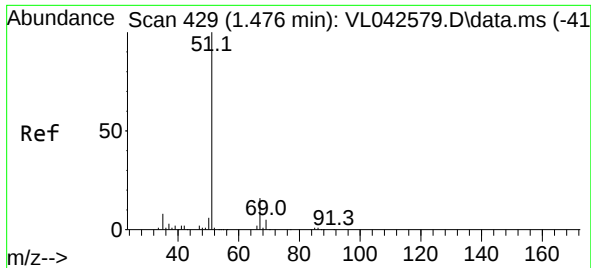
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#2
Dichlorodifluoromethane
Concen: 10.577 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion: 85 Resp: 138190
Ion Ratio Lower Upper
85 100
87 32.2 26.6 39.8





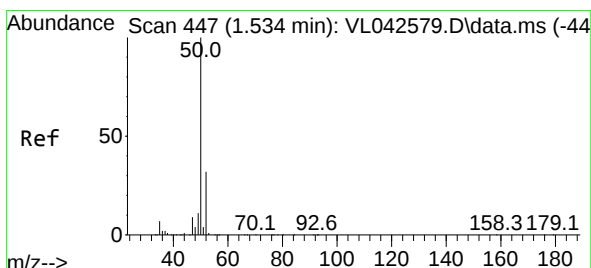
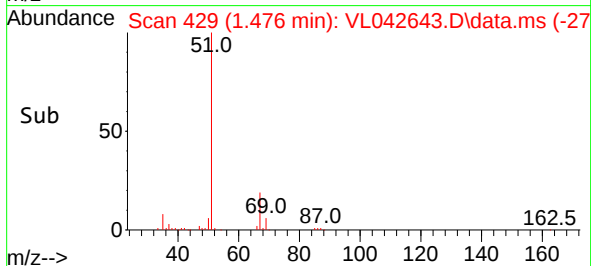
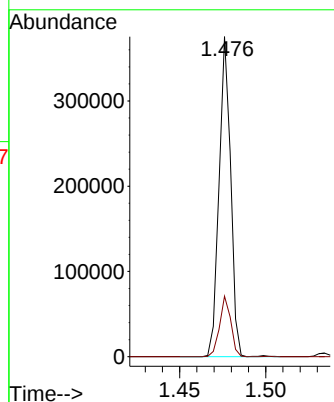
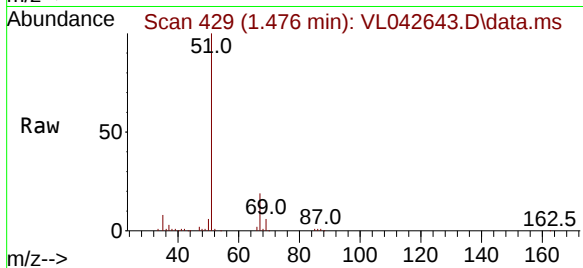
#3
Chlorodifluoromethane
Concen: 9.724 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion: 51 Resp: 174964
Ion Ratio Lower Upper
51 100
67 18.4 13.4 20.2

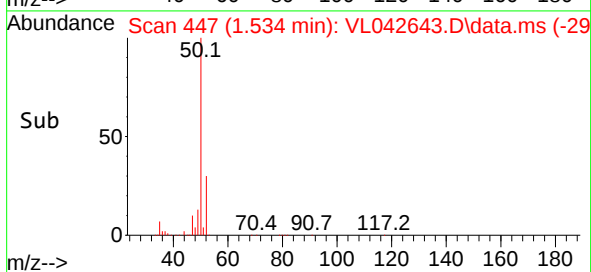
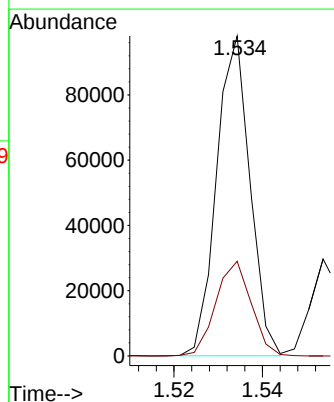
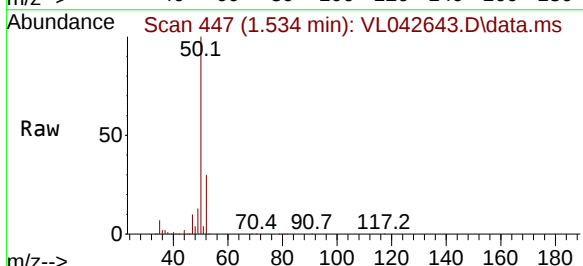
Manual Integrations
APPROVED

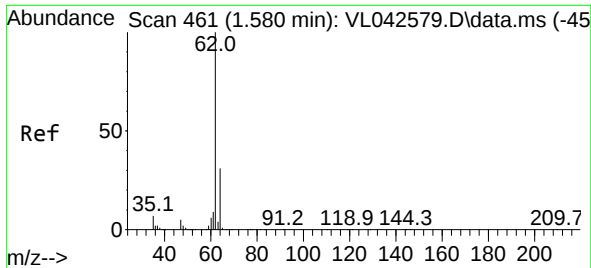
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#4
Chloromethane
Concen: 9.934 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

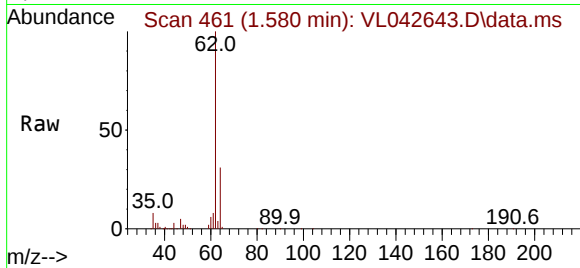
Tgt Ion: 50 Resp: 51395
Ion Ratio Lower Upper
50 100
52 29.4 25.8 38.6





#5
 Vinyl Chloride
 Concen: 9.276 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

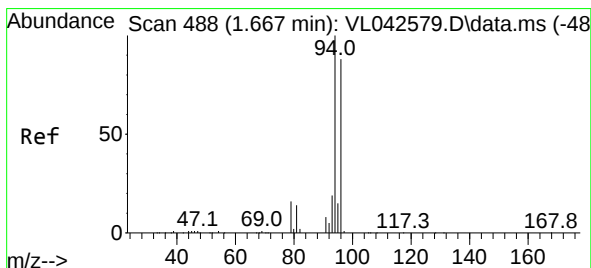
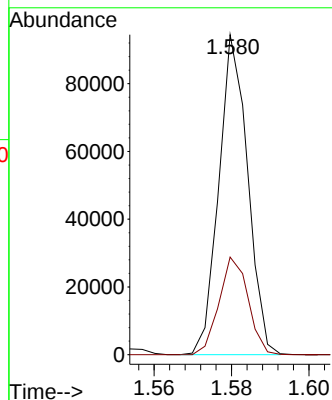
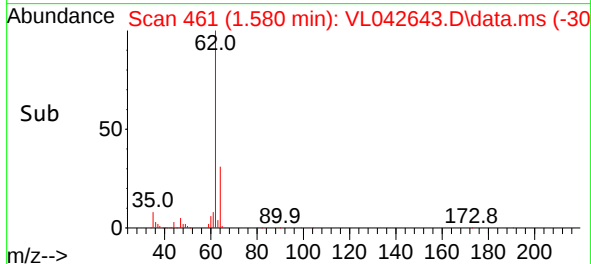
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01



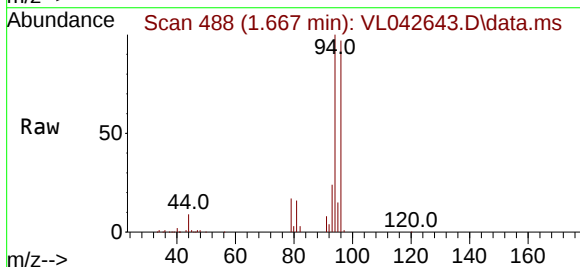
Tgt Ion: 62 Resp: 4888
 Ion Ratio Lower Upper
 62 100
 64 30.5 24.9 37.3

Manual Integrations
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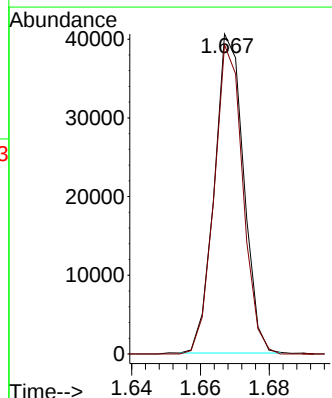
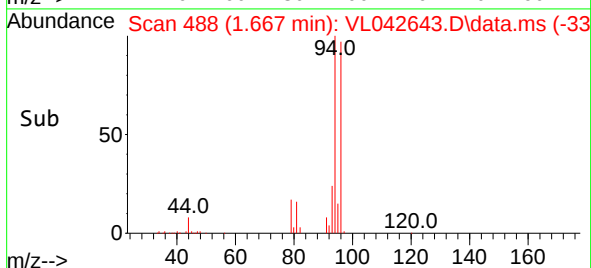
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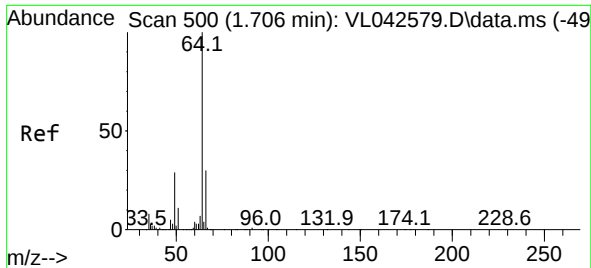


#6
 Bromomethane
 Concen: 9.340 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04



Tgt Ion: 94 Resp: 23959
 Ion Ratio Lower Upper
 94 100
 96 96.9 70.7 106.1





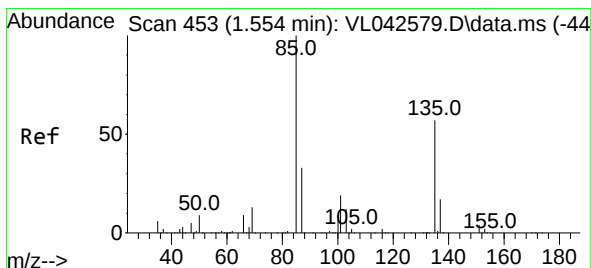
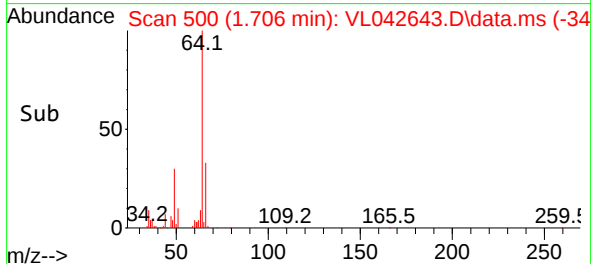
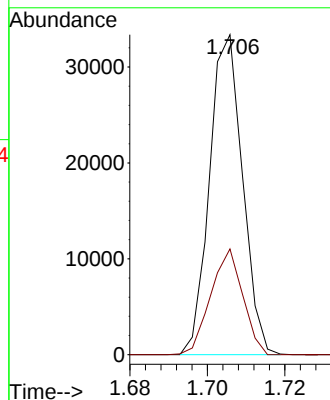
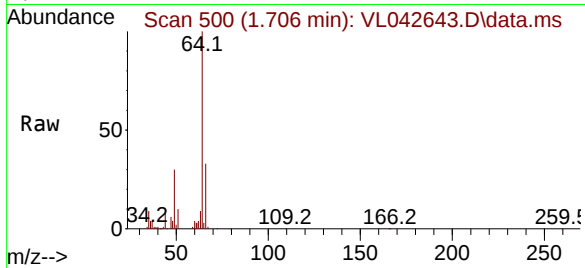
#7
Chloroethane
Concen: 9.651 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion: 64 Resp: 19764
Ion Ratio Lower Upper
64 100
66 33.1 24.3 36.5

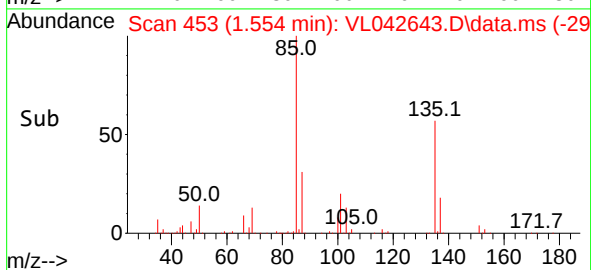
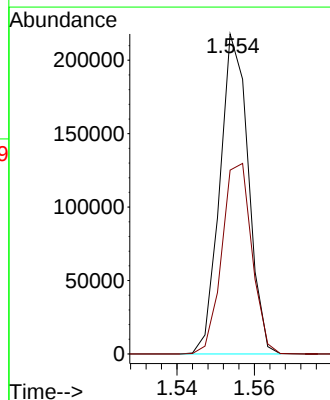
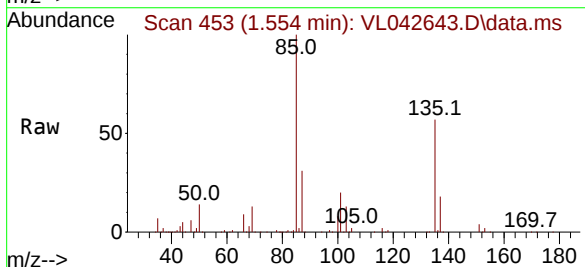
Manual Integrations
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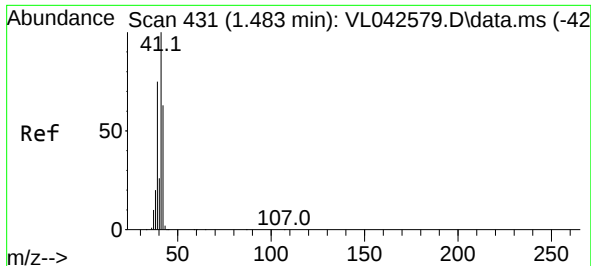
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#8
Dichlorotetrafluoroethane
Concen: 10.216 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

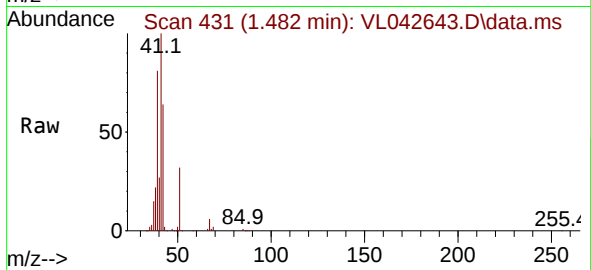
Tgt Ion: 85 Resp: 111214
Ion Ratio Lower Upper
85 100
135 62.9 50.2 75.4





#9
 Propene
 Concen: 9.091 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

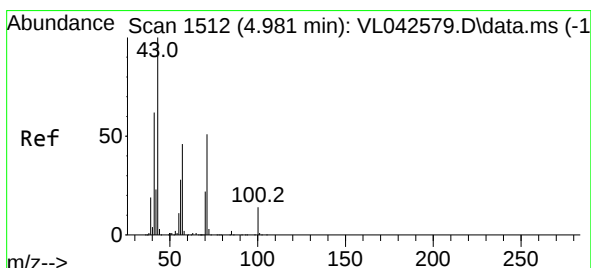
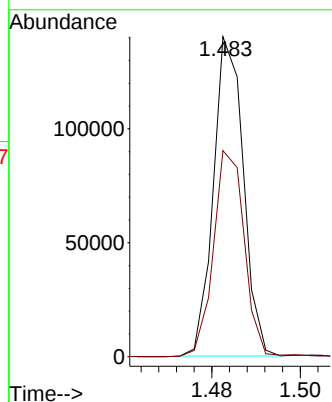
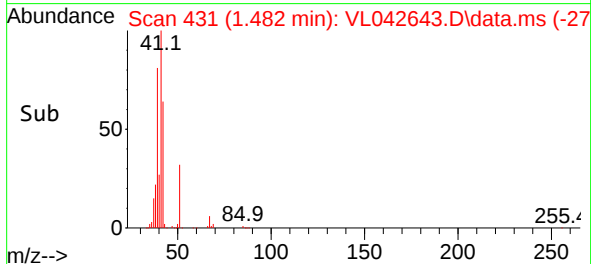
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01



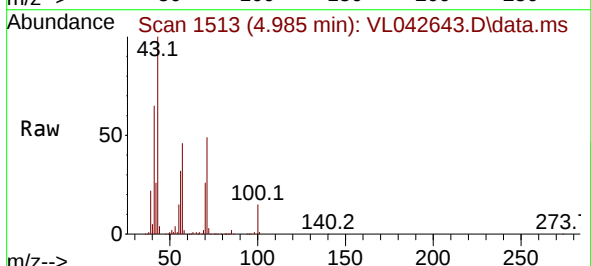
Tgt Ion: 41 Resp: 65870
 Ion Ratio Lower Upper
 41 100
 42 67.2 53.3 79.9

Manual Integrations
 APPROVED

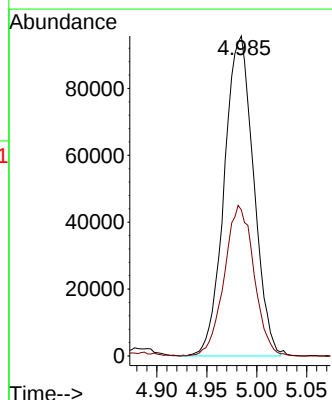
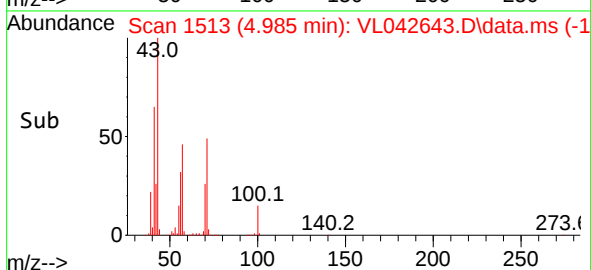
Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

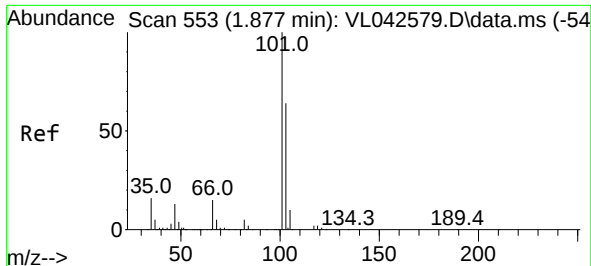


#10
 Heptane
 Concen: 9.566 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.003 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04



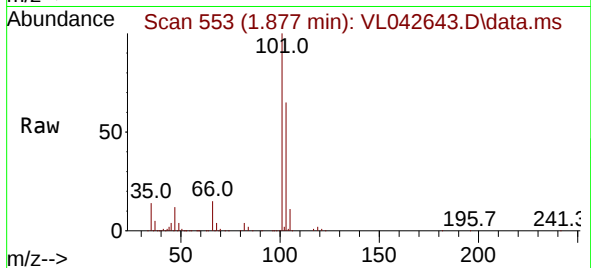
Tgt Ion: 43 Resp: 195395
 Ion Ratio Lower Upper
 43 100
 57 47.6 38.9 58.3





#11
Trichlorofluoromethane
Concen: 11.483 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

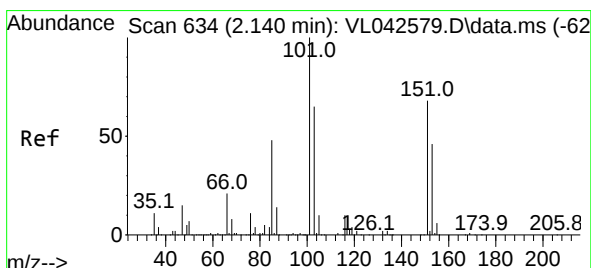
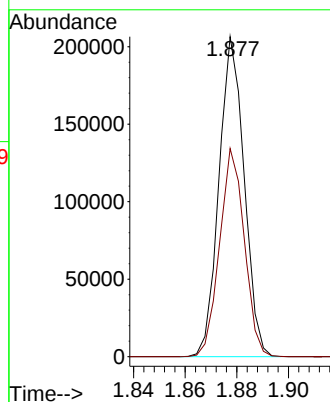
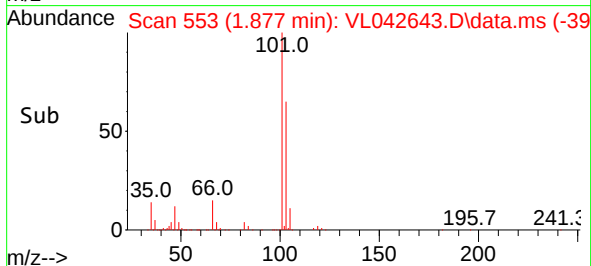
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



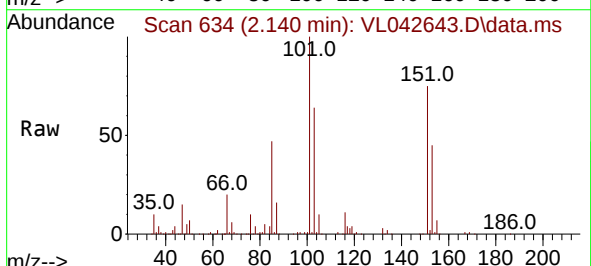
Tgt Ion:101 Resp: 139590
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3

Manual Integrations
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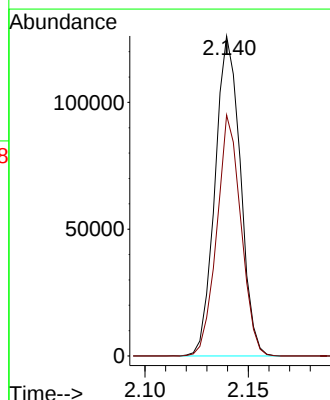
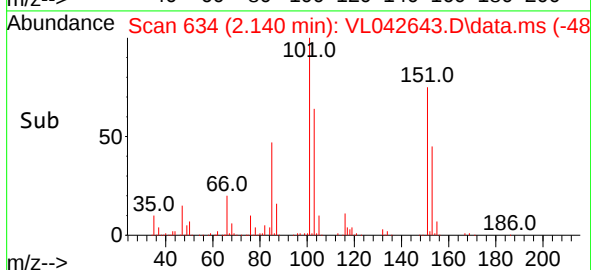
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

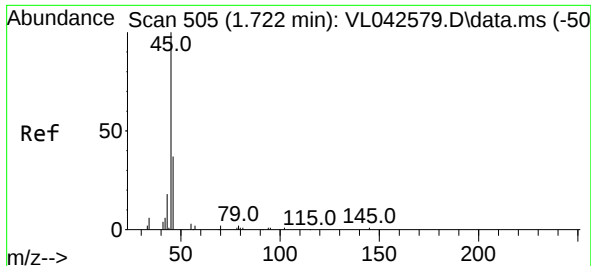


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.276 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



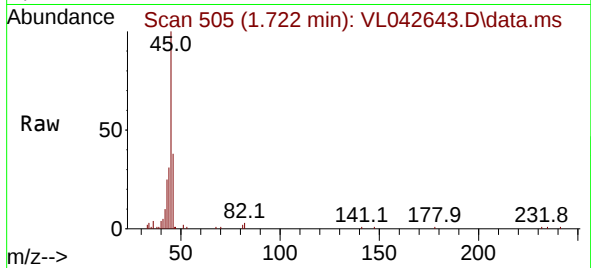
Tgt Ion:101 Resp: 107639
Ion Ratio Lower Upper
101 100
151 71.7 55.3 82.9





#13
Ethanol
Concen: 6.220 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

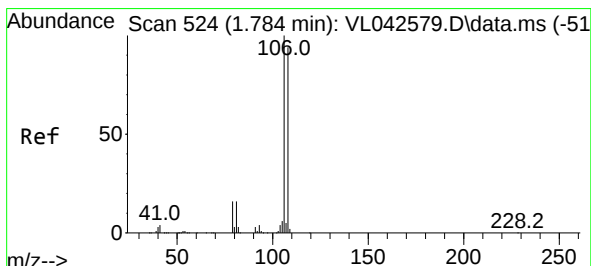
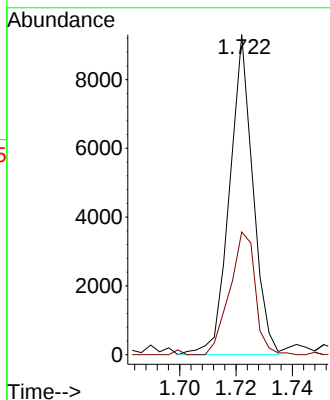
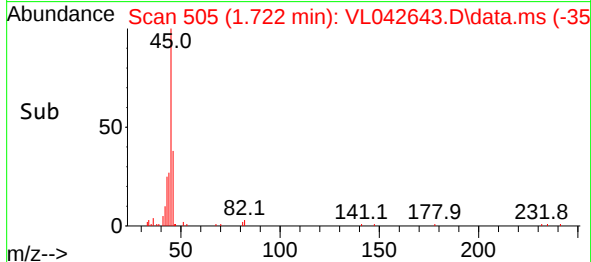
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



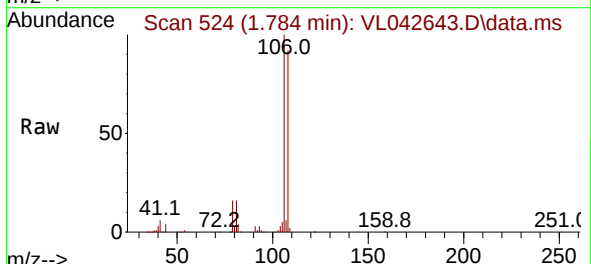
Tgt Ion: 45 Resp: 537
Ion Ratio Lower Upper
45 100
46 42.3 14.5 58.1

Manual Integrations
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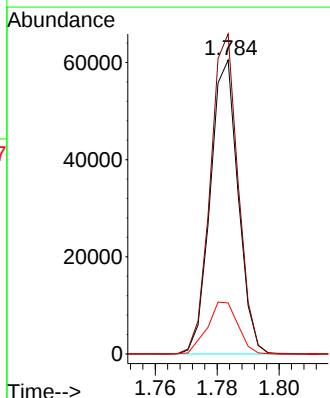
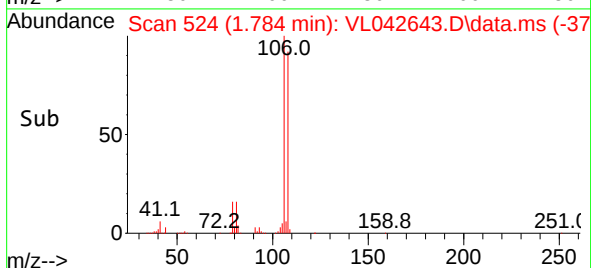
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#14
Bromoethene
Concen: 10.531 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



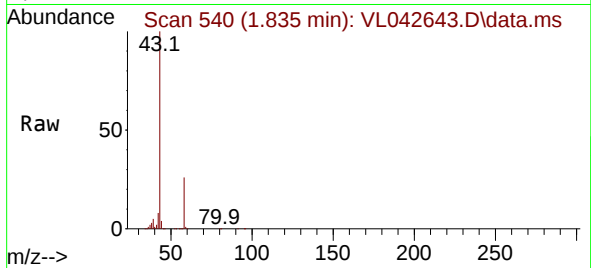
Tgt Ion:108 Resp: 37811
Ion Ratio Lower Upper
108 100
106 108.5 87.9 131.9
79 19.4 15.6 23.4





#15
Acetone
Concen: 8.922 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

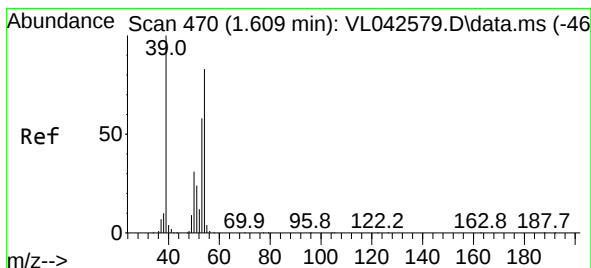
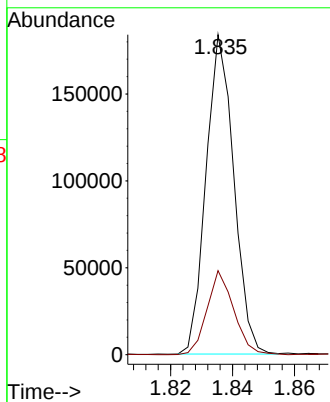
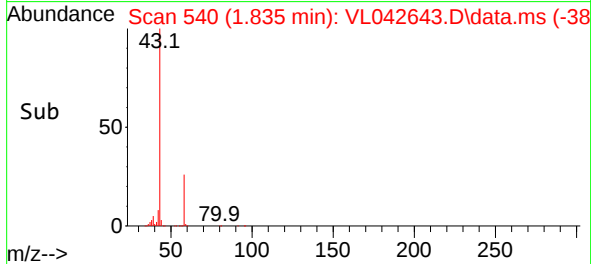
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



Tgt Ion: 43 Resp: 11424
Ion Ratio Lower Upper
43 100
58 25.6 21.0 31.4

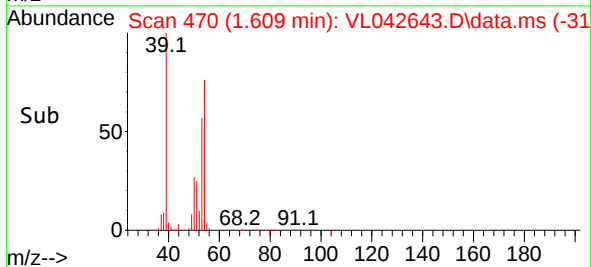
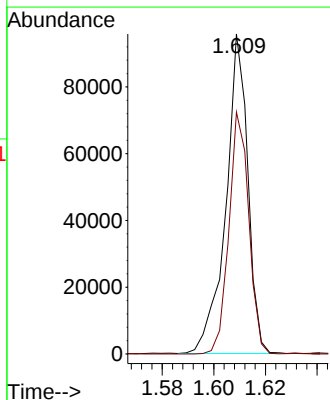
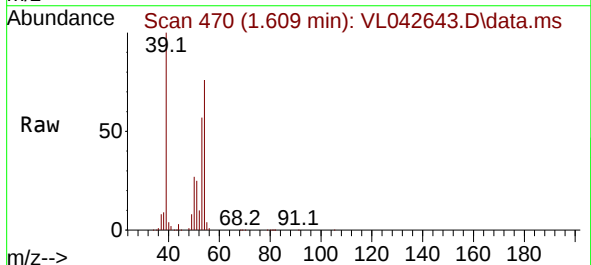
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#16
1,3-Butadiene
Concen: 9.301 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion: 39 Resp: 56416
Ion Ratio Lower Upper
39 100
54 68.6 57.9 86.9





#17

tert-Butyl alcohol

Concen: 9.874 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion: 59 Resp: 13171

Ion Ratio Lower Upper

59 100

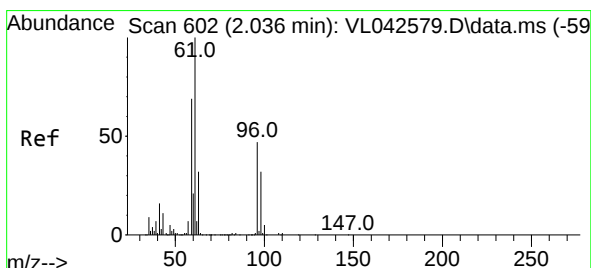
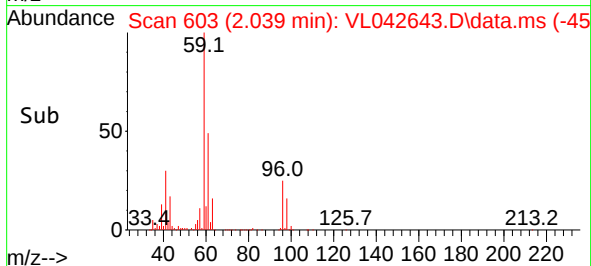
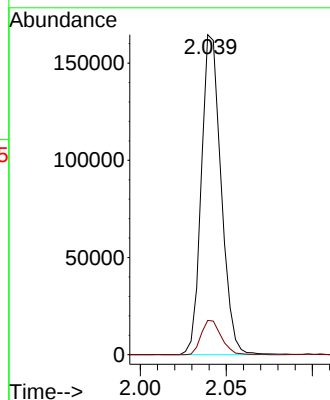
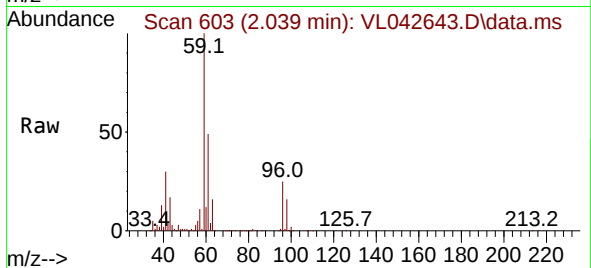
57 10.9 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#18

1,1-Dichloroethene

Concen: 10.338 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

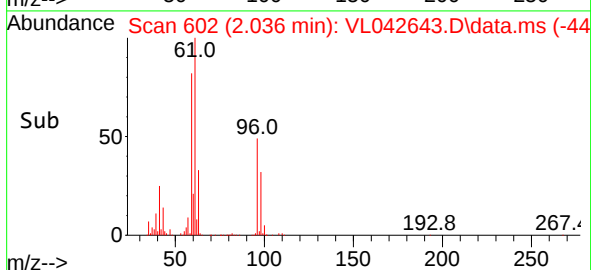
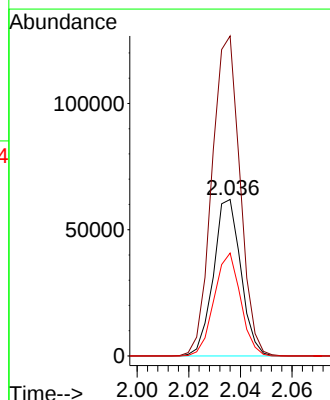
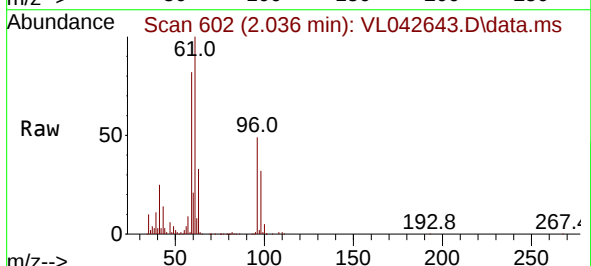
Tgt Ion: 96 Resp: 45738

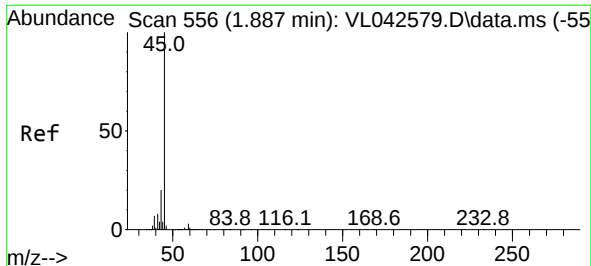
Ion Ratio Lower Upper

96 100

61 204.3 171.1 256.7

98 65.7 54.4 81.6





#19

Isopropyl Alcohol

Concen: 9.586 ppbv

RT: 1.887 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion: 45 Resp: 7338

Ion Ratio Lower Upper

45 100

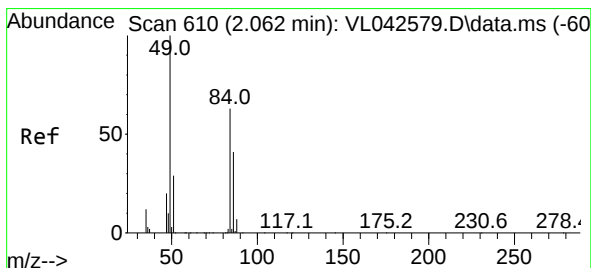
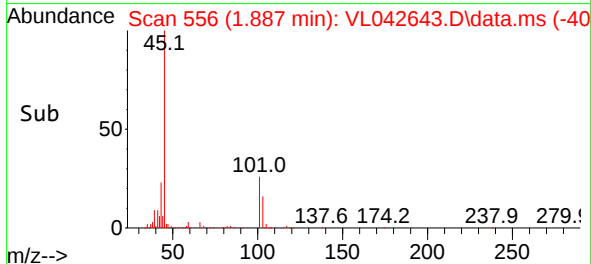
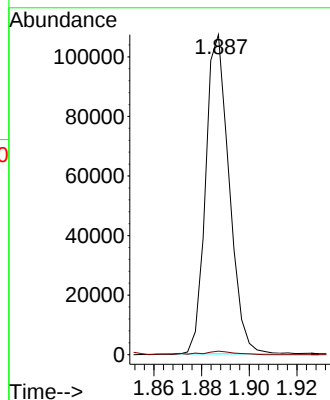
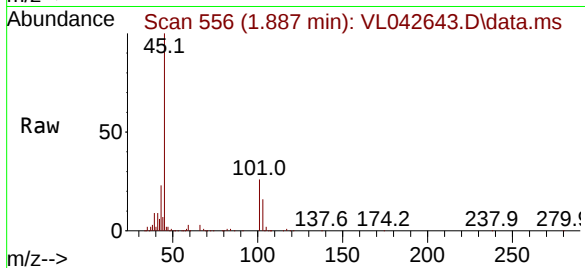
58 39.7 29.4 44.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#20

Methylene Chloride

Concen: 9.586 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.000 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Tgt Ion: 84 Resp: 40508

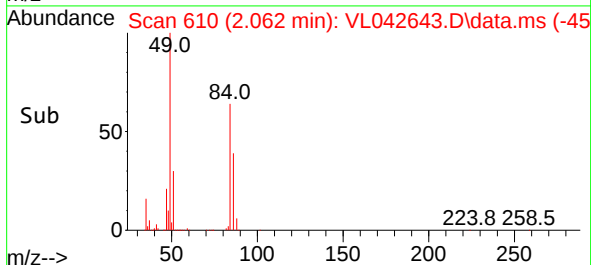
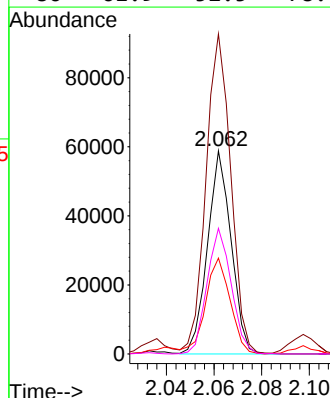
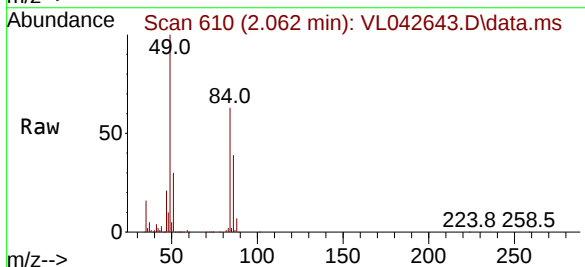
Ion Ratio Lower Upper

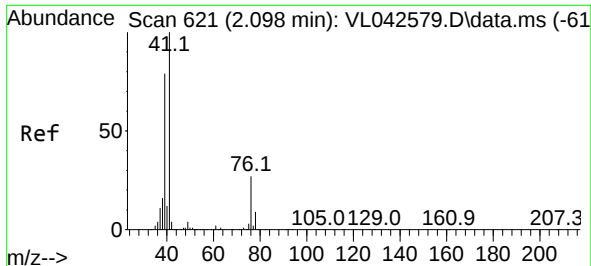
84 100

49 155.9 128.8 193.2

51 46.8 38.6 57.8

86 61.9 52.5 78.7





#21
 Allyl Chloride
 Concen: 9.989 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

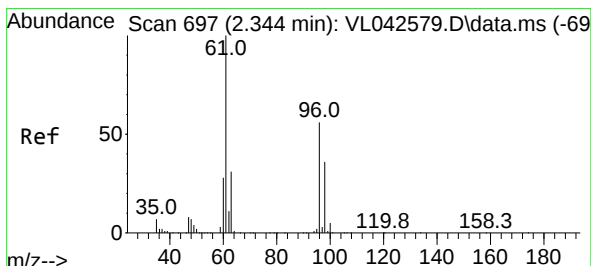
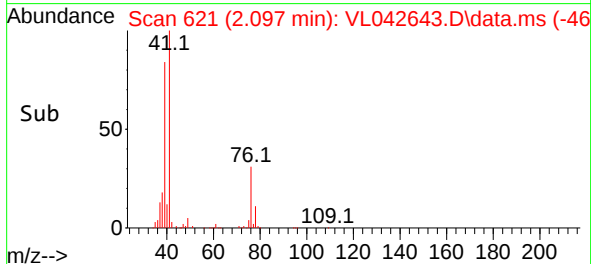
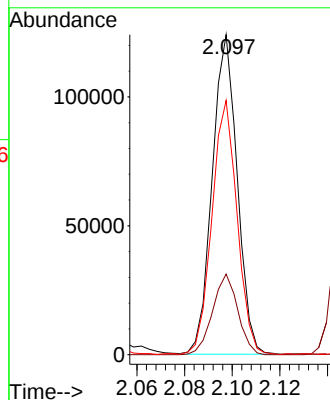
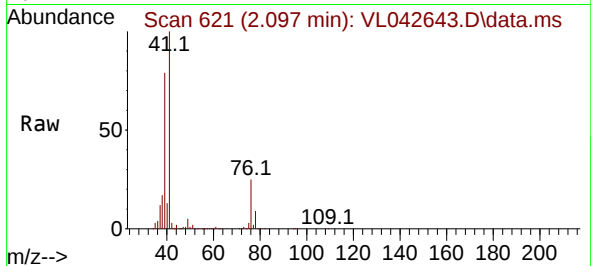
ClientSampleId :

VL0617ABS01

Tgt Ion: 41 Resp: 9024
 Ion Ratio Lower Upper
 41 100
 76 25.4 21.2 31.8
 39 79.9 60.9 91.3

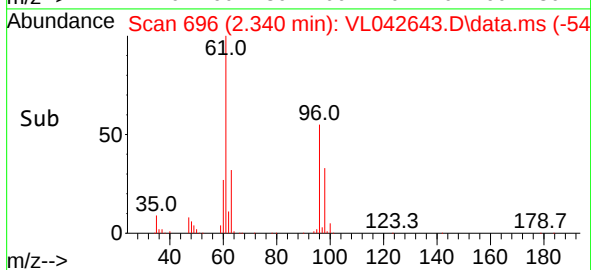
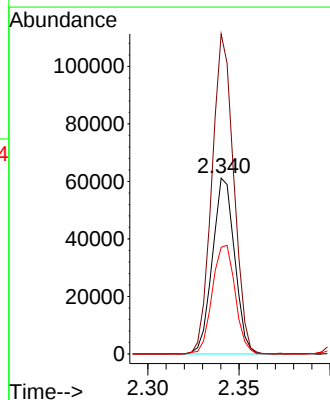
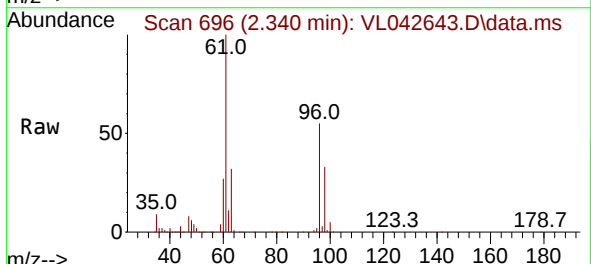
Manual Integrations
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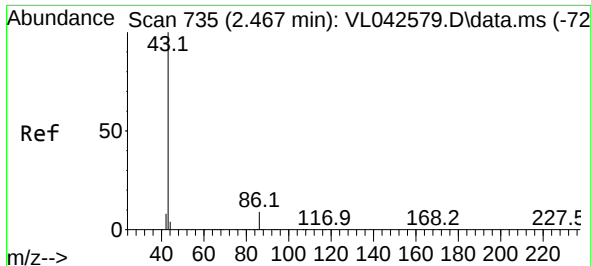
Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.478 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

Tgt Ion: 96 Resp: 51782
 Ion Ratio Lower Upper
 96 100
 61 182.1 142.6 214.0
 98 60.7 51.0 76.4





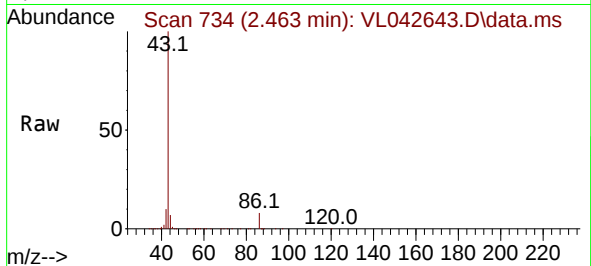
#23
 Vinyl Acetate
 Concen: 11.389 ppbv
 RT: 2.463 min Scan# 712
 Delta R.T. -0.003 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

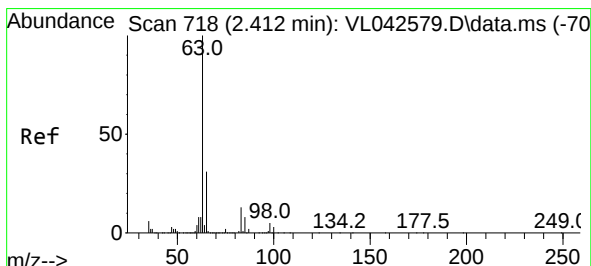
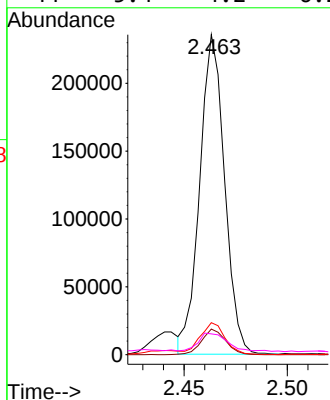
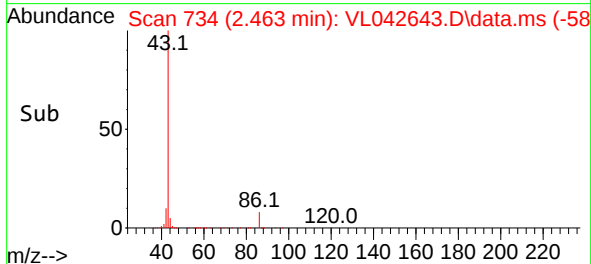


Tgt Ion: 43 Resp: 197120
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 9.8
 42 10.0 7.0 10.4
 44 5.4 4.2 6.2

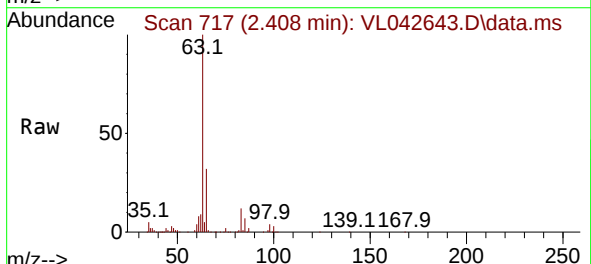
Manual Integrations

APPROVED

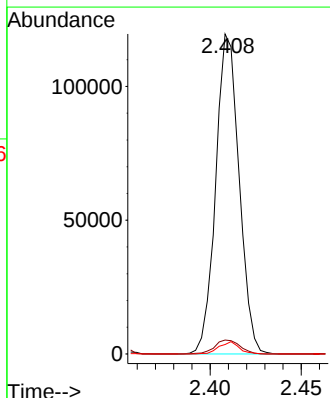
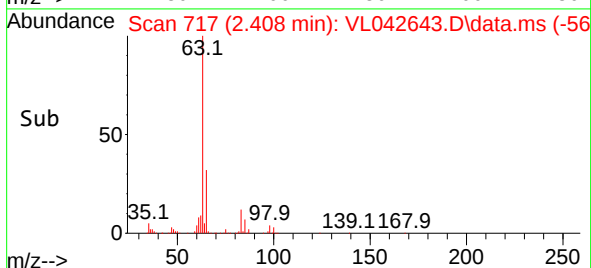
Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

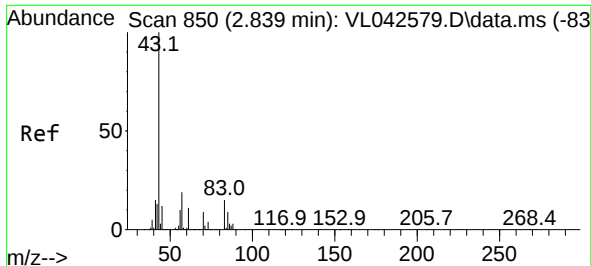


#24
 1,1-Dichloroethane
 Concen: 10.494 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04



Tgt Ion: 63 Resp: 106705
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.4 7.1
 100 2.9 1.4 4.0





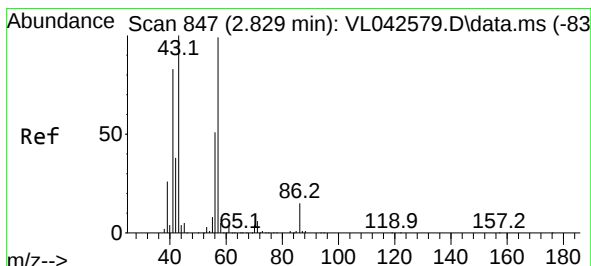
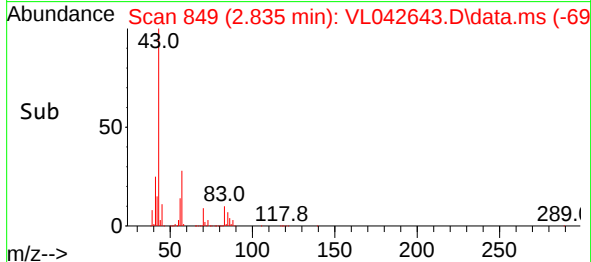
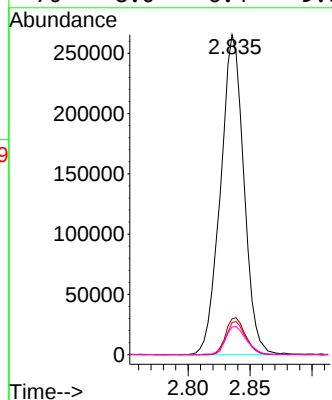
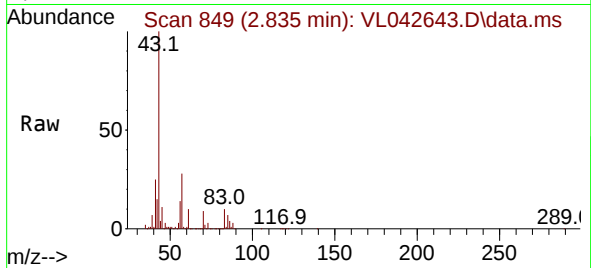
#25
Ethyl Acetate
Concen: 9.926 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion: 43 Resp: 347832
Ion Ratio Lower Upper
43 100
45 9.8 8.2 12.2
61 8.6 7.1 10.7
70 8.0 6.4 9.6

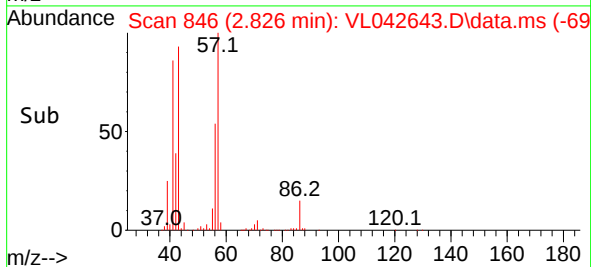
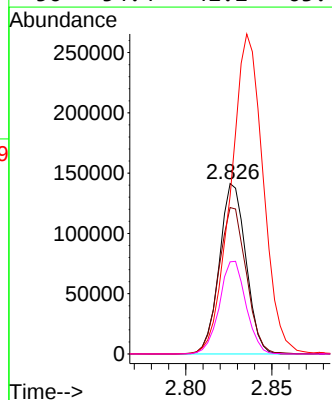
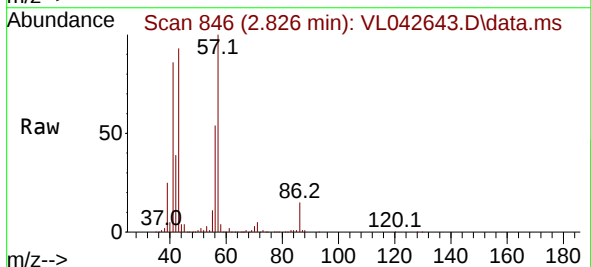
Manual Integrations
APPROVED

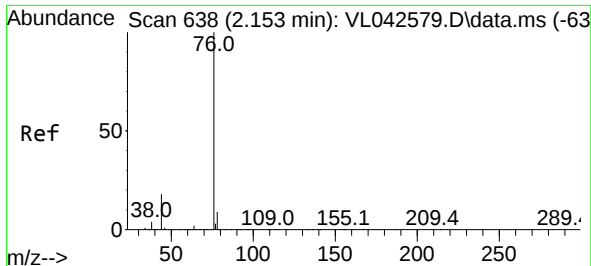
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#26
Hexane
Concen: 9.509 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

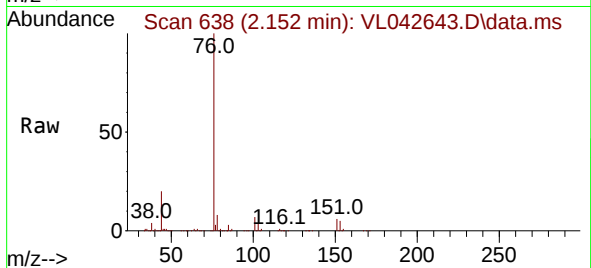
Tgt Ion: 57 Resp: 151402
Ion Ratio Lower Upper
57 100
41 89.9 70.6 106.0
43 231.2 181.1 271.7
56 54.4 42.2 63.4





#27
Carbon Disulfide
Concen: 10.617 ppbv
RT: 2.152 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

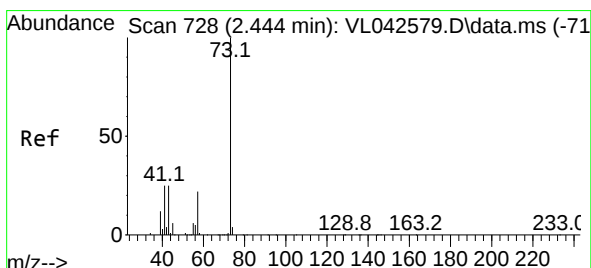
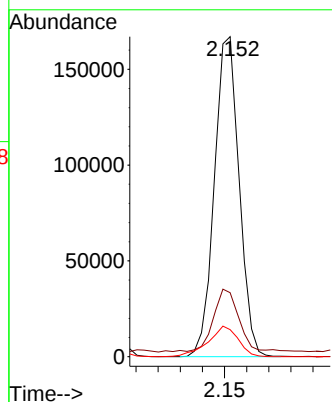
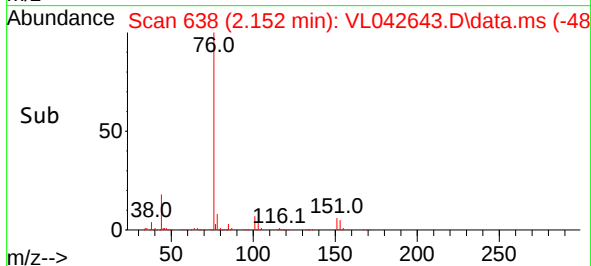
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



Tgt Ion: 76 Resp: 129779
Ion Ratio Lower Upper
76 100
44 20.6 21.3 31.9
78 11.6 9.4 14.0

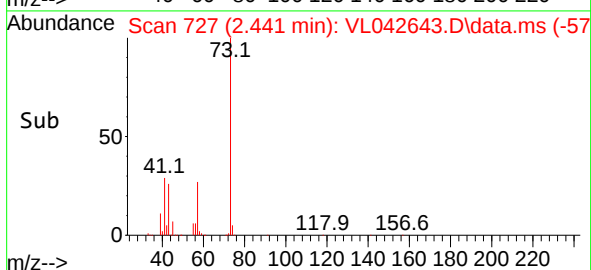
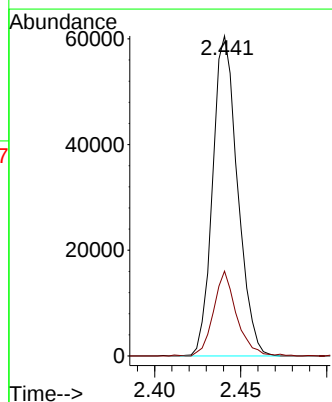
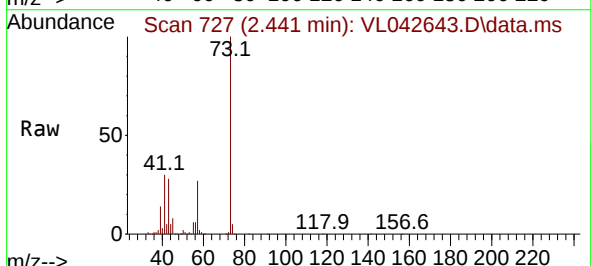
Manual Integrations
APPROVED

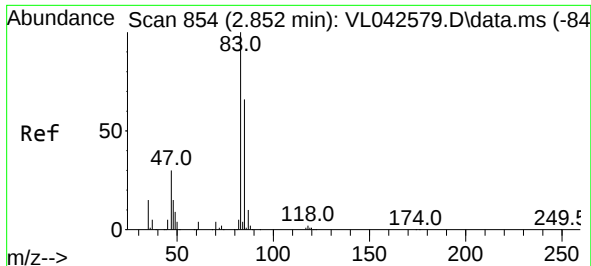
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#28
Methyl tert-Butyl Ether
Concen: 9.430 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion: 73 Resp: 60927
Ion Ratio Lower Upper
73 100
57 24.7 19.9 29.9





#29

Chloroform

Concen: 10.831 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion: 83 Resp: 224264

Ion Ratio Lower Upper

83 100

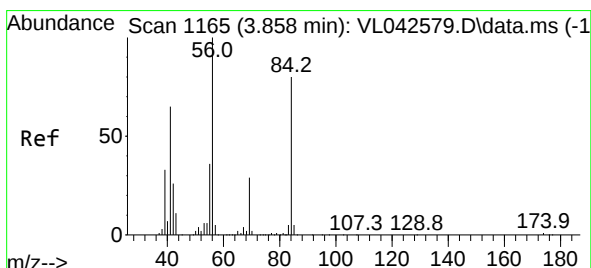
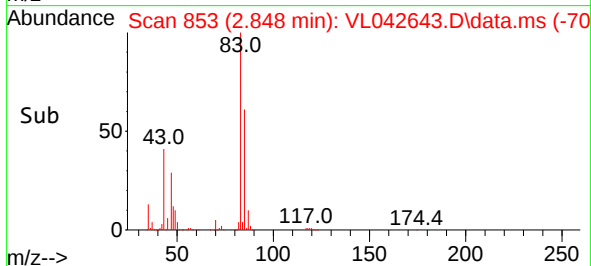
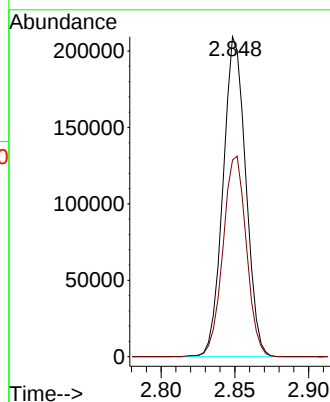
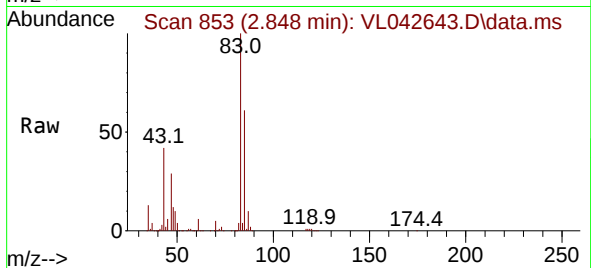
85 61.5 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#30

Cyclohexane

Concen: 9.184 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

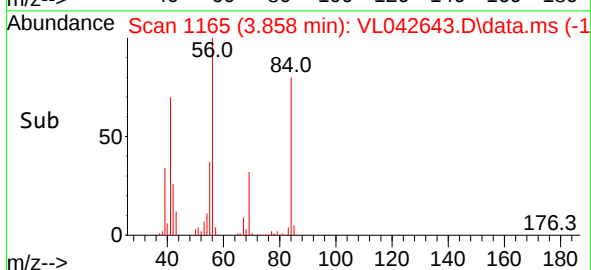
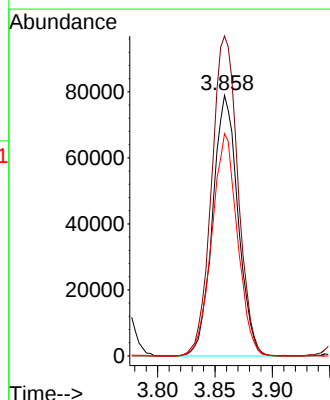
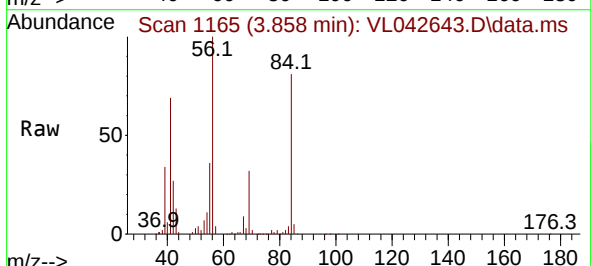
Tgt Ion: 84 Resp: 121227

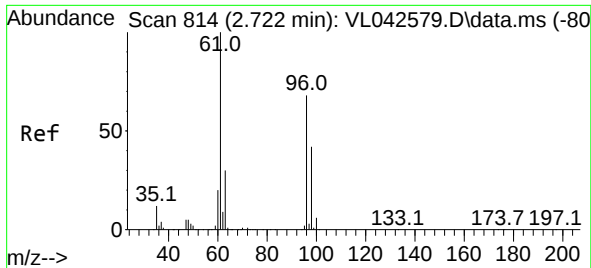
Ion Ratio Lower Upper

84 100

56 127.6 103.7 155.5

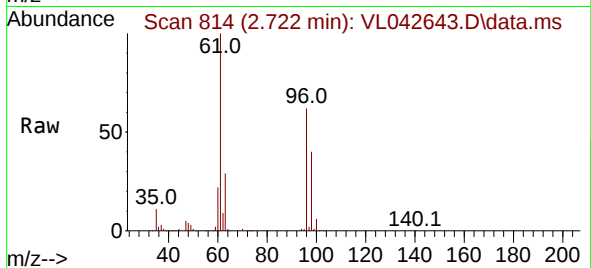
41 86.1 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.892 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

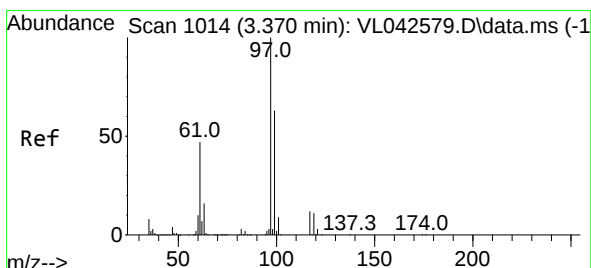
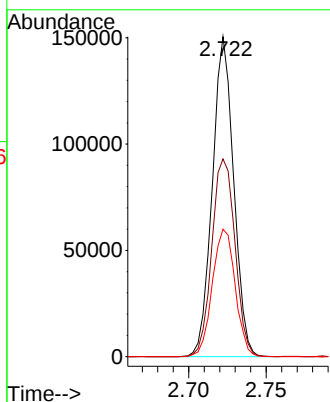
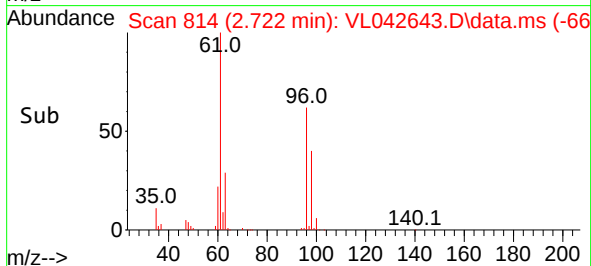
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01



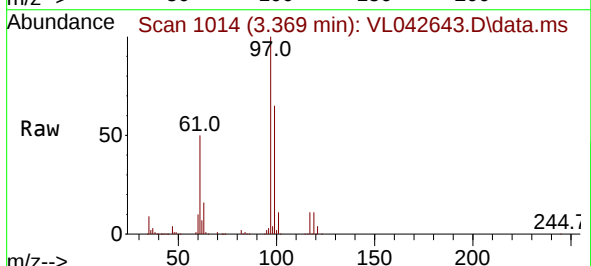
Tgt Ion: 61 Resp: 144082
 Ion Ratio Lower Upper
 61 100
 96 61.8 54.5 81.7
 98 39.9 33.4 50.2

Manual Integrations
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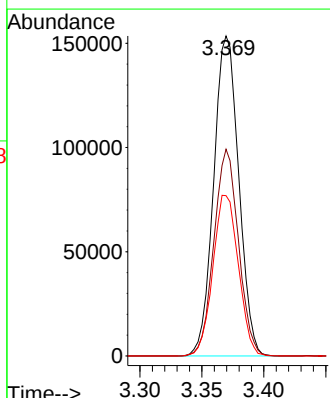
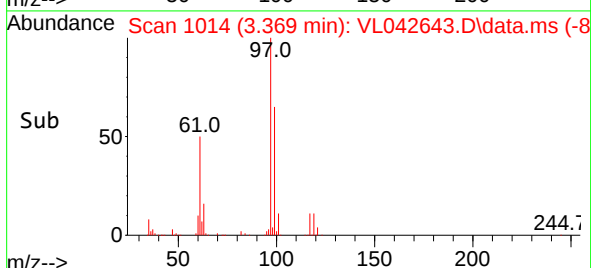
Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025



#32
 1,1,1-Trichloroethane
 Concen: 10.240 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04



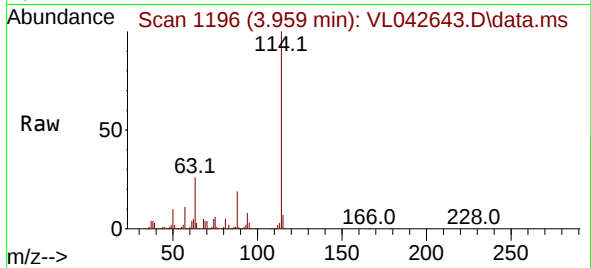
Tgt Ion: 97 Resp: 216626
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.0 76.6
 61 51.2 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

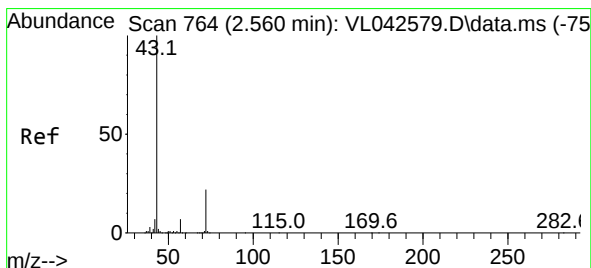
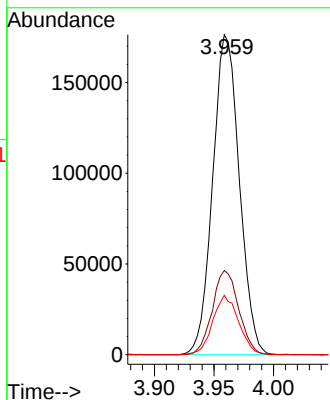
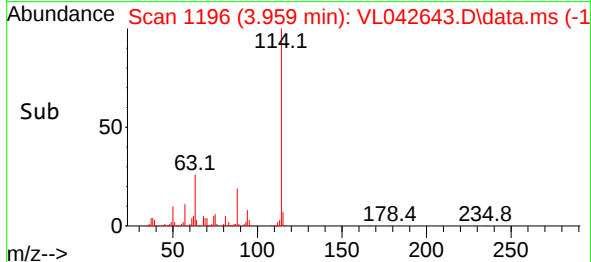
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



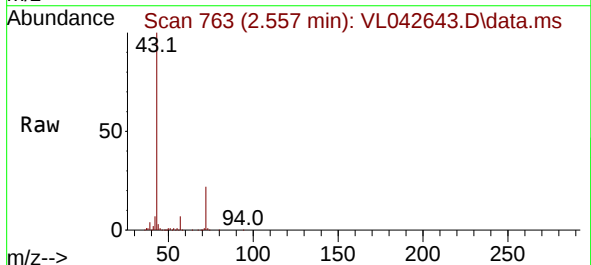
Tgt Ion:114 Resp: 273980
Ion Ratio Lower Upper
114 100
63 26.1 19.0 28.6
88 18.0 13.6 20.4

Manual Integrations
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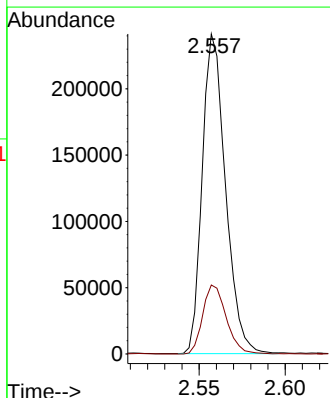
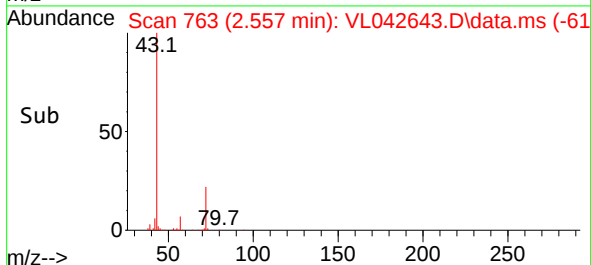
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

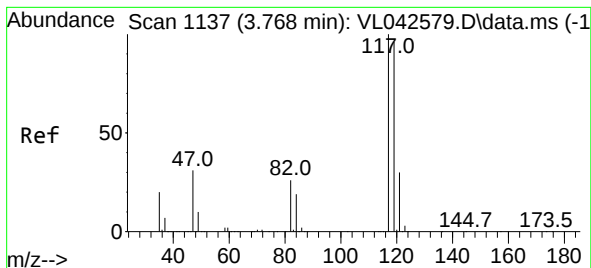


#34
2-Butanone
Concen: 11.611 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



Tgt Ion: 43 Resp: 226867
Ion Ratio Lower Upper
43 100
72 21.9 17.7 26.5





#35

Carbon Tetrachloride

Concen: 11.954 ppbv

RT: 3.764 min Scan# 1137

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion:117 Resp: 21620

Ion Ratio Lower Upper

117 100

119 95.5 76.8 115.2

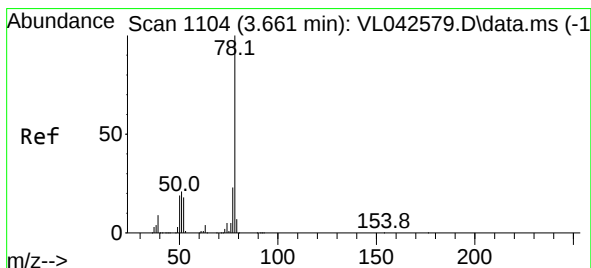
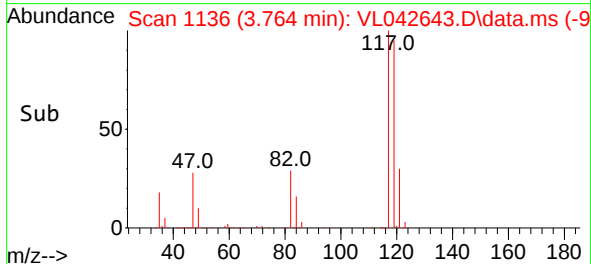
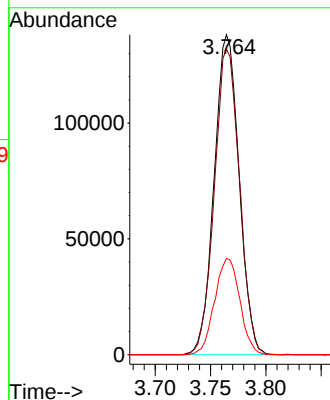
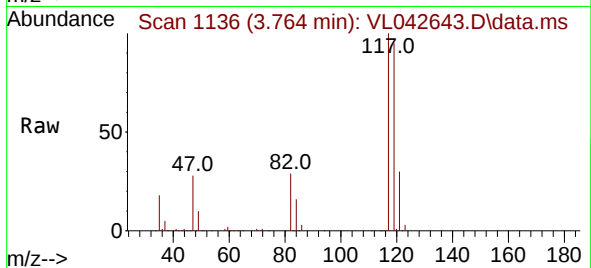
121 30.1 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#36

Benzene

Concen: 11.030 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

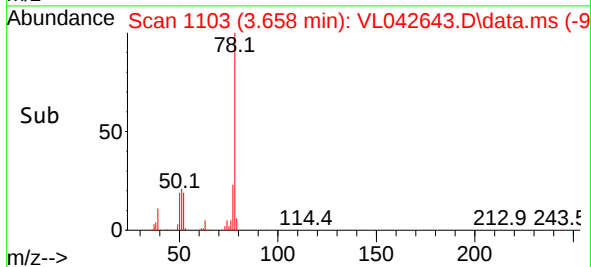
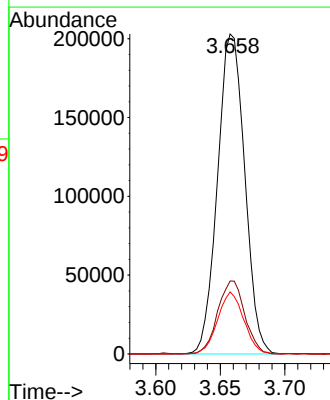
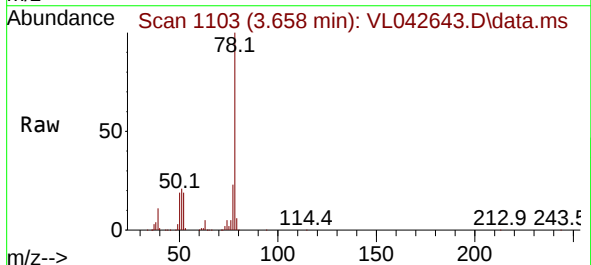
Tgt Ion: 78 Resp: 297577

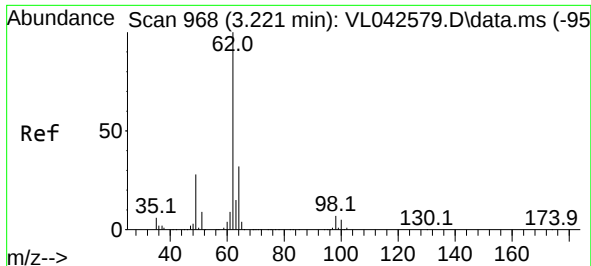
Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.2

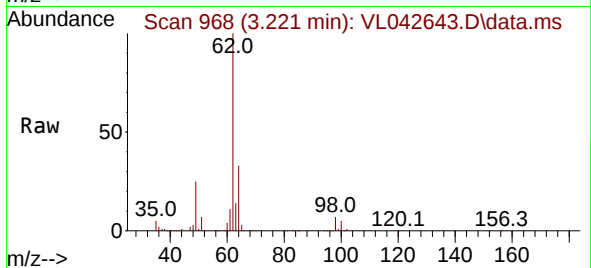
50 19.4 15.2 22.8





#37
1,2-Dichloroethane
Concen: 12.707 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

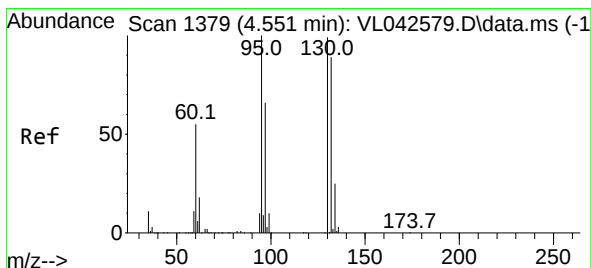
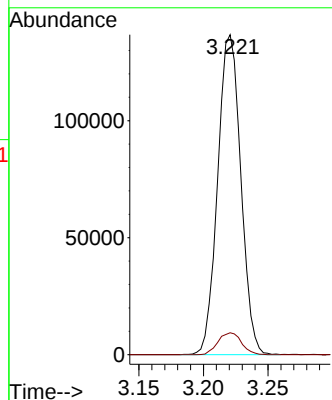
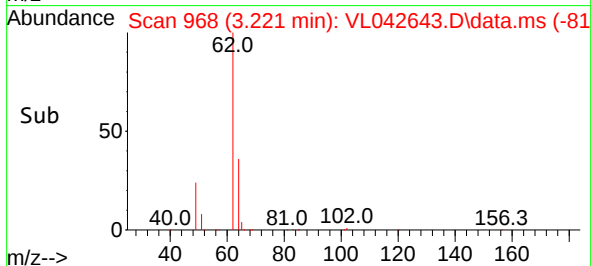
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



Tgt Ion: 62 Resp: 170394
Ion Ratio Lower Upper
62 100
98 7.0 6.1 9.1

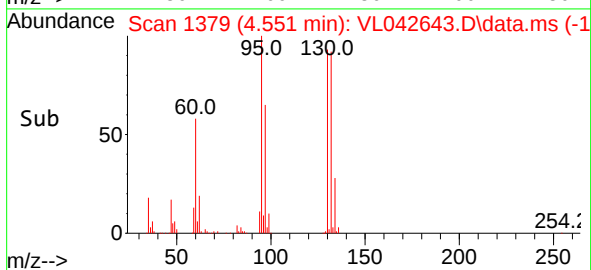
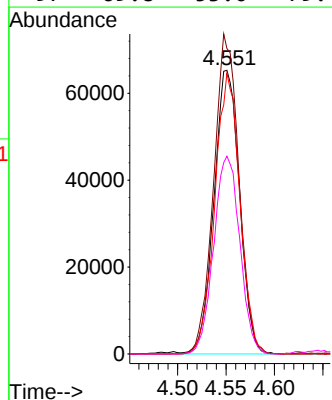
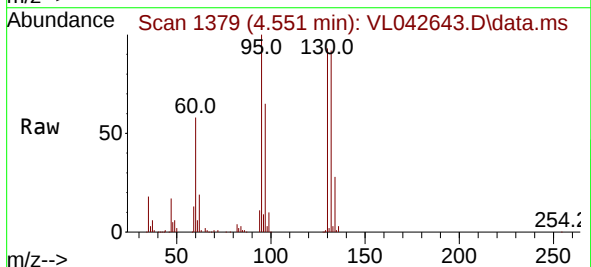
Manual Integrations
APPROVED

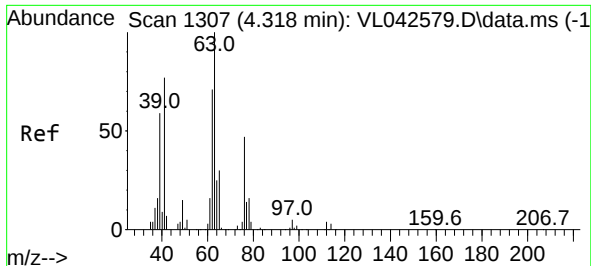
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#38
Trichloroethene
Concen: 10.500 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion:130 Resp: 120411
Ion Ratio Lower Upper
130 100
95 107.6 80.6 121.0
132 99.1 71.8 107.6
97 69.8 53.0 79.4





#39

1,2-Dichloropropane

Concen: 11.032 ppbv

RT: 4.315 min Scan# 11007

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion: 63 Resp: 11007

Ion Ratio Lower Upper

63 100

41 85.6 61.8 92.6

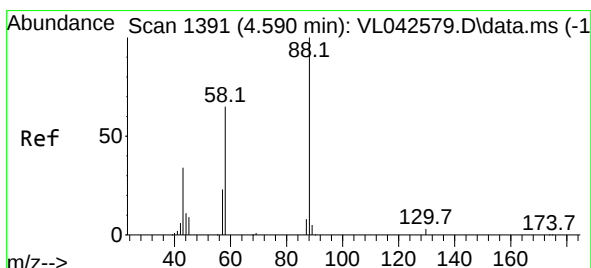
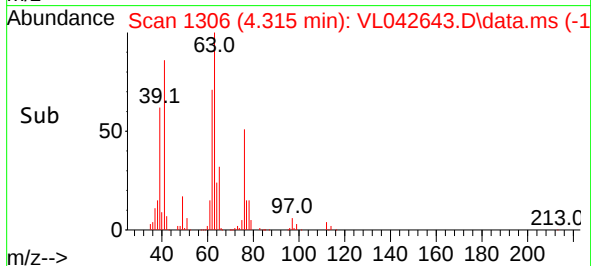
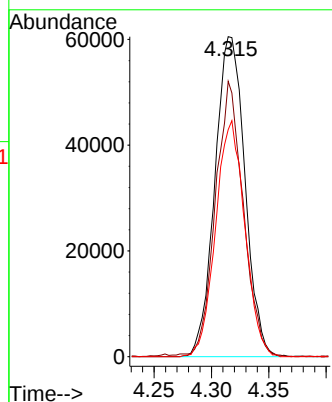
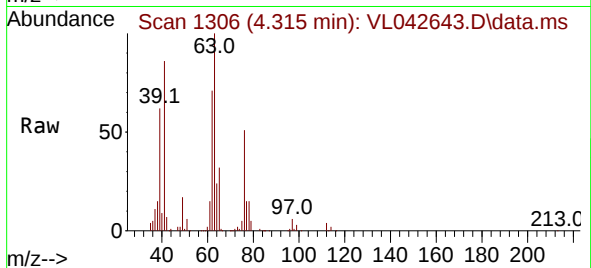
62 70.9 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#40

1,4-Dioxane

Concen: 10.702 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Tgt Ion: 88 Resp: 47781

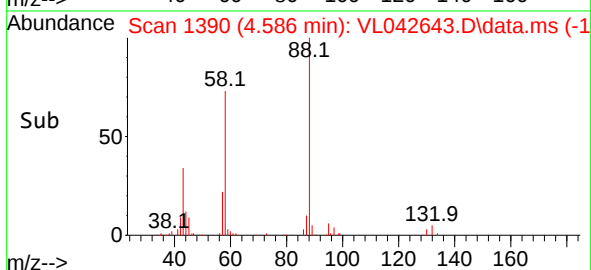
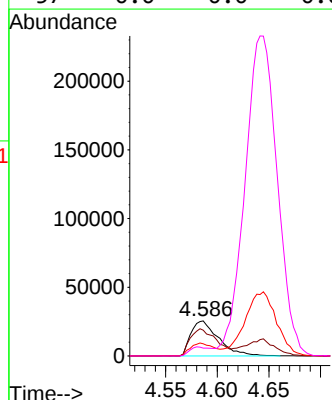
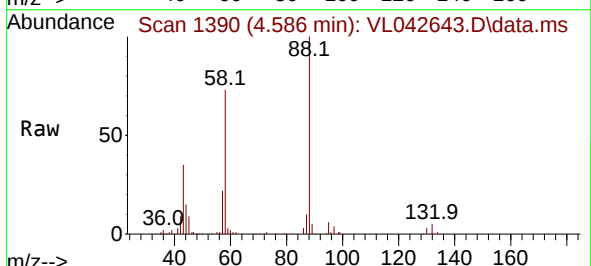
Ion Ratio Lower Upper

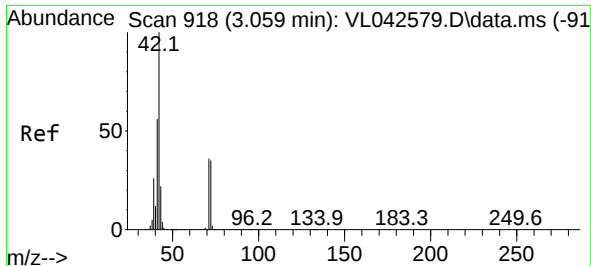
88 100

58 77.6 55.8 83.8

43 30.0 24.8 37.2

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.773 ppbv

RT: 3.055 min Scan# 918

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

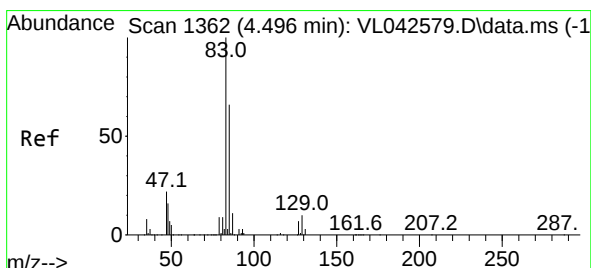
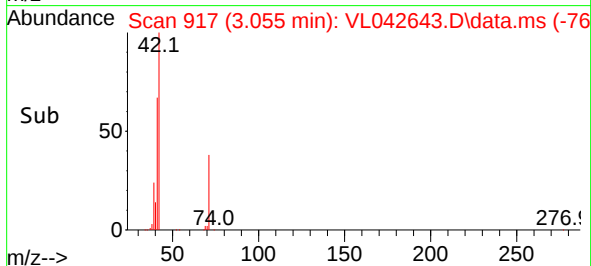
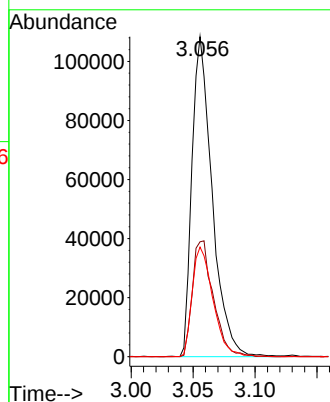
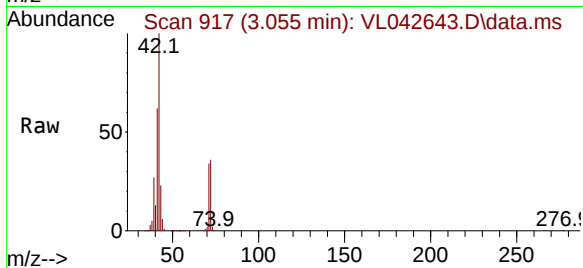
Tgt Ion: 42 Resp: 123210

Ion	Ratio	Lower	Upper
42	100		
72	37.5	28.9	43.3
71	35.3	28.5	42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#42

Bromodichloromethane

Concen: 12.432 ppbv

RT: 4.493 min Scan# 1361

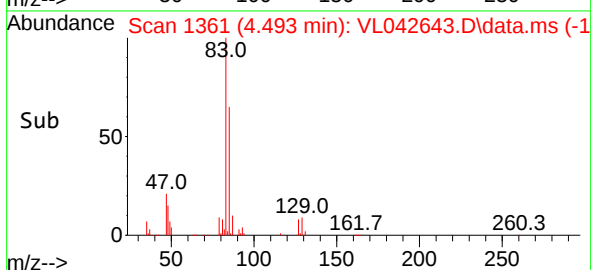
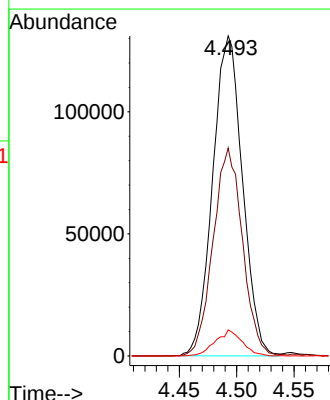
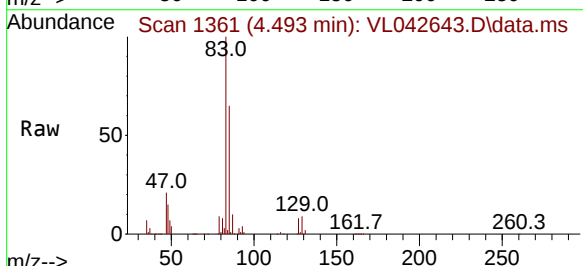
Delta R.T. -0.003 min

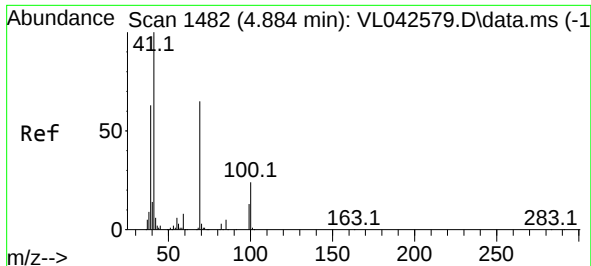
Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Tgt Ion: 83 Resp: 236764

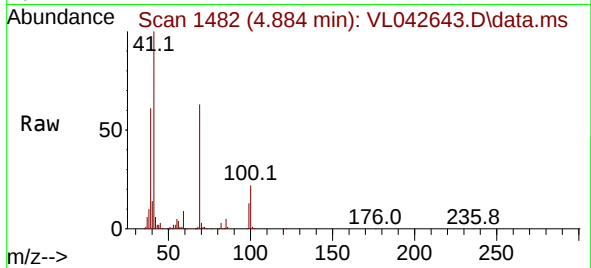
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.7	79.1
127	8.2	5.8	8.6





#43
Methyl Methacrylate
Concen: 10.587 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

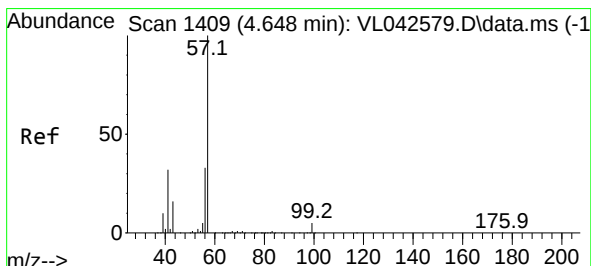
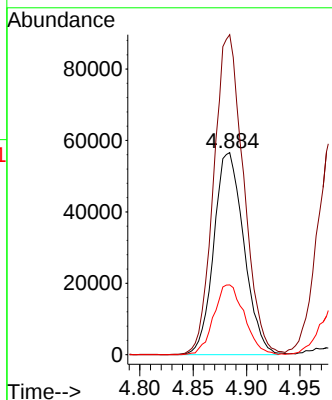
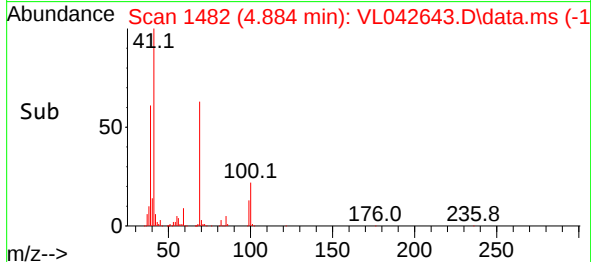
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



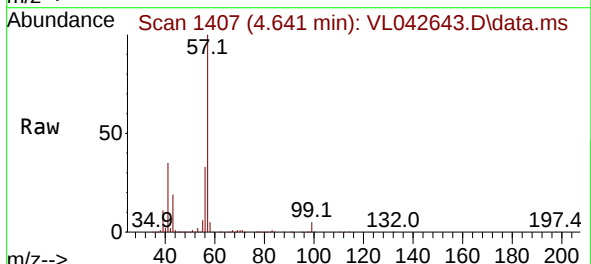
Tgt Ion: 69 Resp: 110859
Ion Ratio Lower Upper
69 100
41 157.6 124.6 187.0
100 35.2 29.9 44.9

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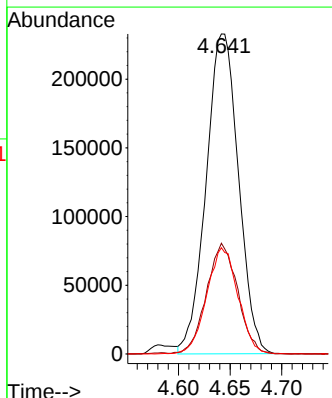
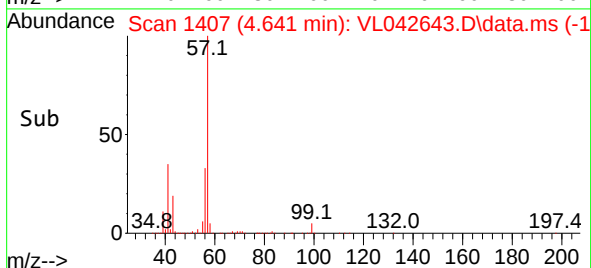
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

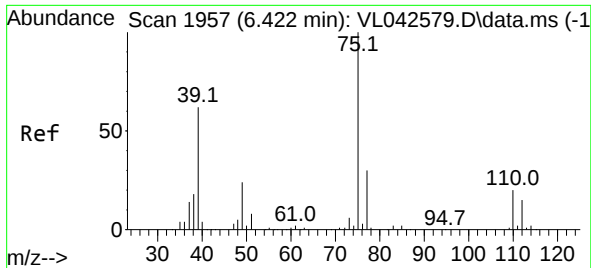


#44
2,2,4-Trimethylpentane
Concen: 11.000 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.007 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



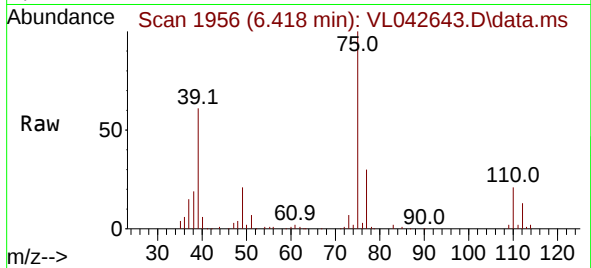
Tgt Ion: 57 Resp: 507673
Ion Ratio Lower Upper
57 100
41 33.7 26.1 39.1
56 32.2 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 10.909 ppbv
 RT: 6.418 min Scan# 1956
 Delta R.T. -0.003 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

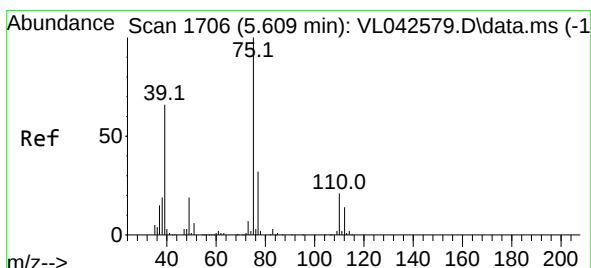
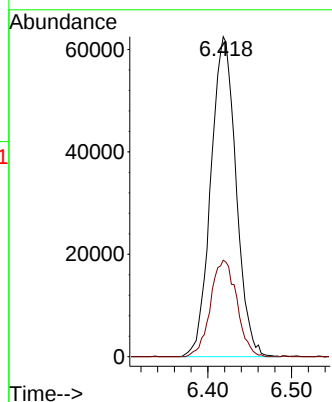
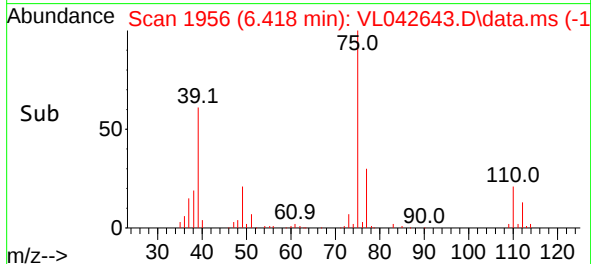
Instrument : MSVOA_L
 ClientSampleId : VL0617ABS01



Tgt Ion: 75 Resp: 130720
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.2 36.2

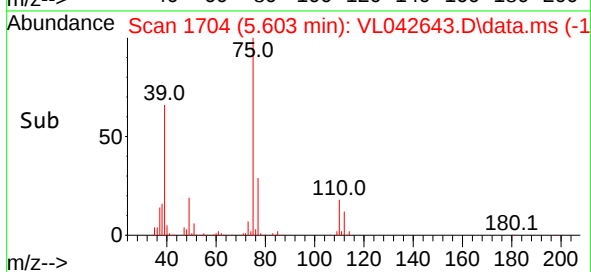
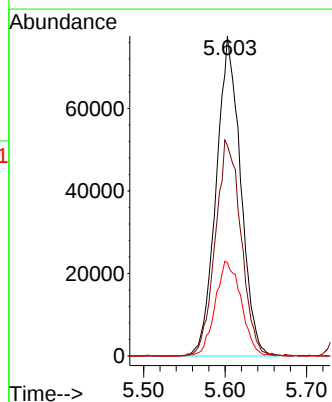
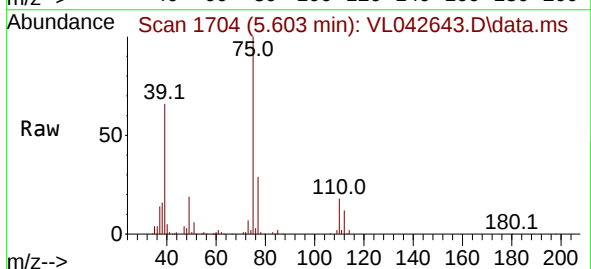
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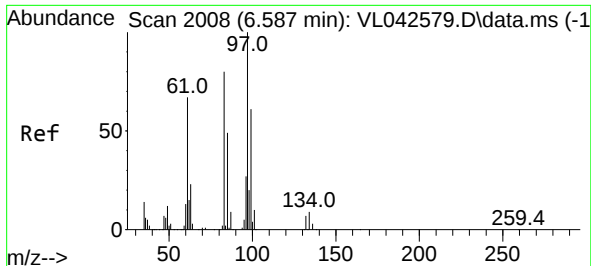
Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.750 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. -0.007 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

Tgt Ion: 75 Resp: 161415
 Ion Ratio Lower Upper
 75 100
 39 65.8 52.7 79.1
 77 29.2 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 11.119 ppbv

RT: 6.583 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion: 97 Resp: 114840

Ion Ratio Lower Upper

97 100

83 89.0 63.9 95.9

85 55.4 39.2 58.8

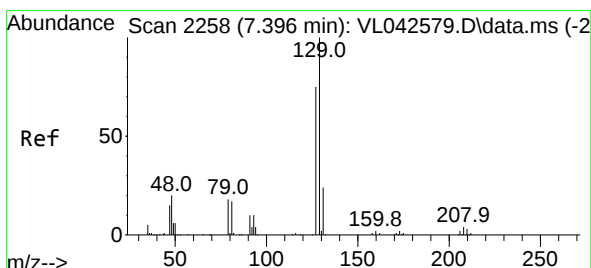
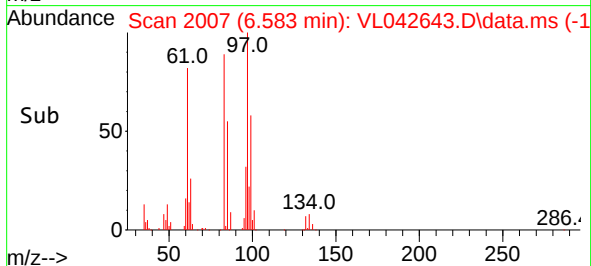
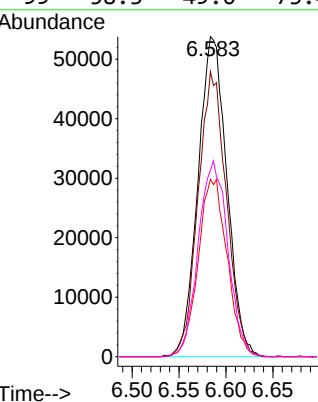
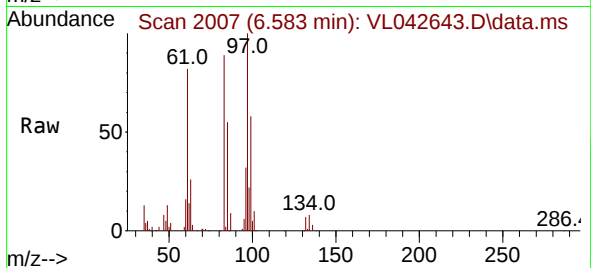
99 58.3 49.0 73.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#48

Dibromochloromethane

Concen: 11.403 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VL042643.D

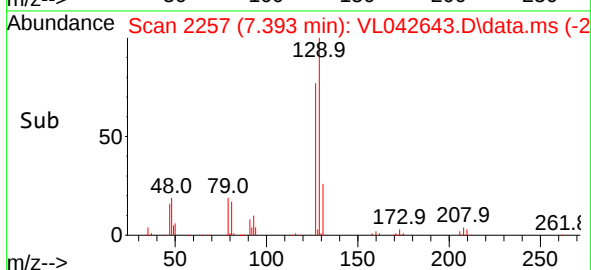
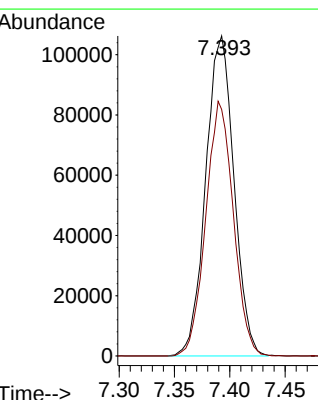
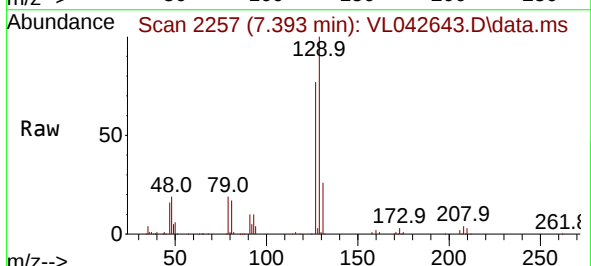
Acq: 17 Jun 2025 12:04

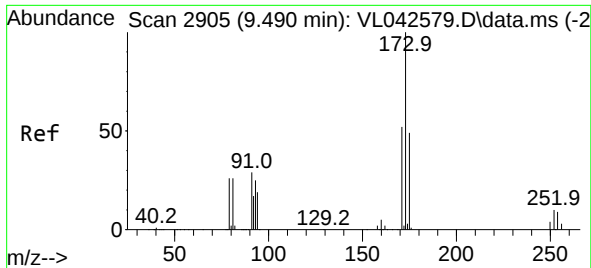
Tgt Ion:129 Resp: 188535

Ion Ratio Lower Upper

129 100

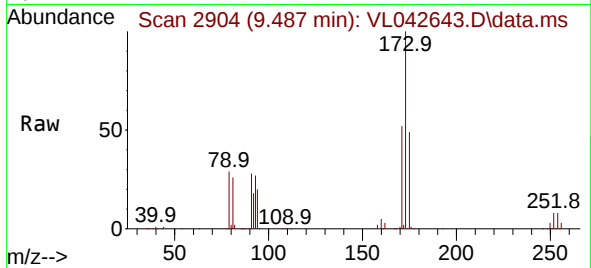
127 77.8 39.0 116.9





#49
Bromoform
Concen: 11.435 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

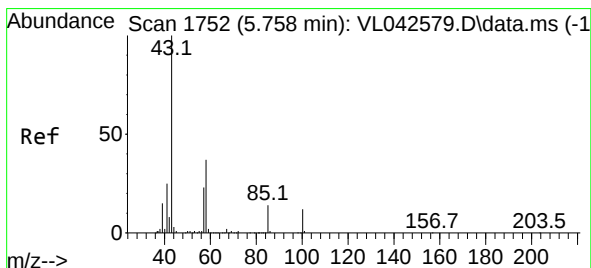
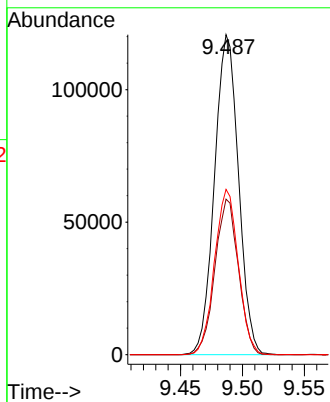
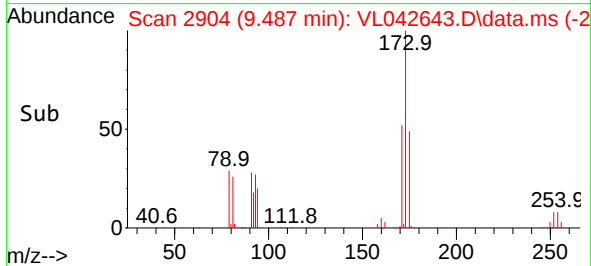
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



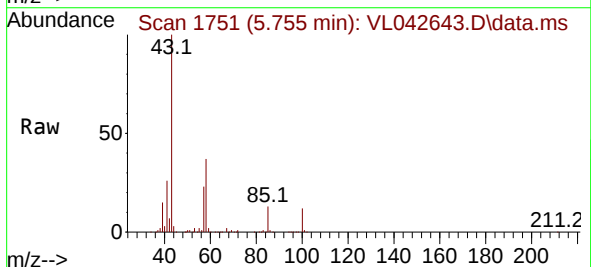
Tgt Ion:173 Resp: 16314
Ion Ratio Lower Upper
173 100
175 47.6 38.7 58.1
171 51.0 41.2 61.8

Manual Integrations
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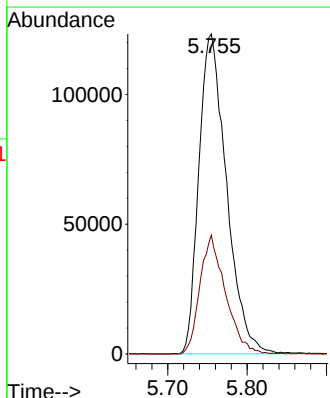
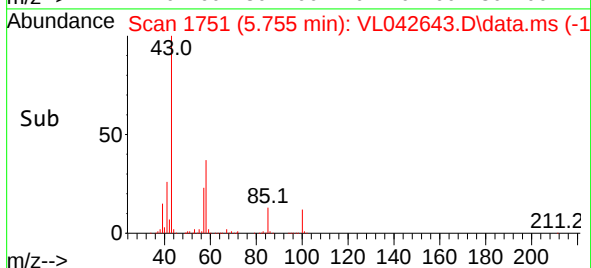
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

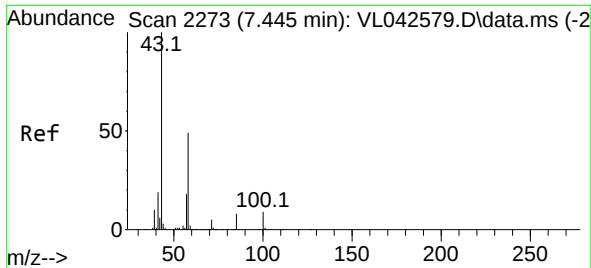


#50
4-Methyl-2-Pentanone
Concen: 10.987 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



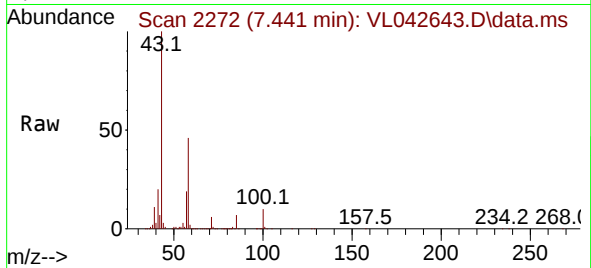
Tgt Ion: 43 Resp: 297761
Ion Ratio Lower Upper
43 100
58 34.5 28.3 42.5





#51
2-Hexanone
Concen: 11.013 ppbv
RT: 7.441 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

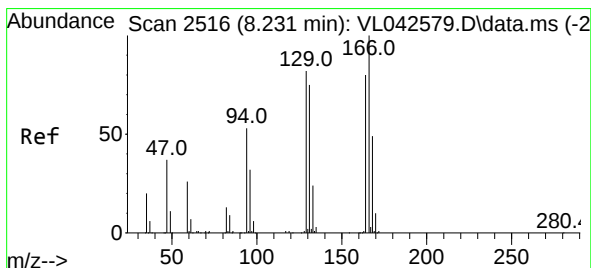
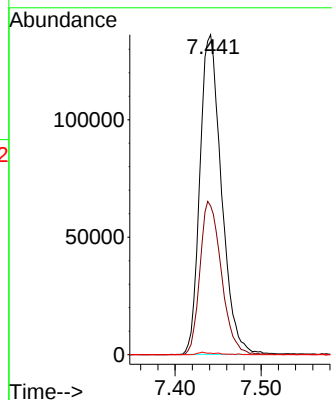
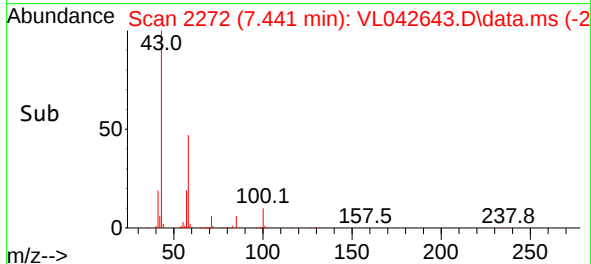
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



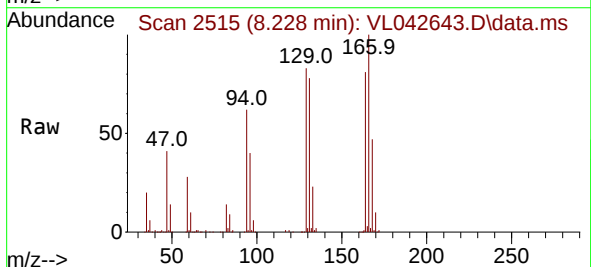
Tgt Ion: 43 Resp: 236708
Ion Ratio Lower Upper
43 100
58 47.6 39.9 59.9
98 0.7 0.1 0.1

Manual Integrations
APPROVED

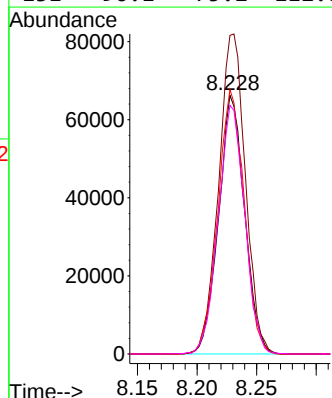
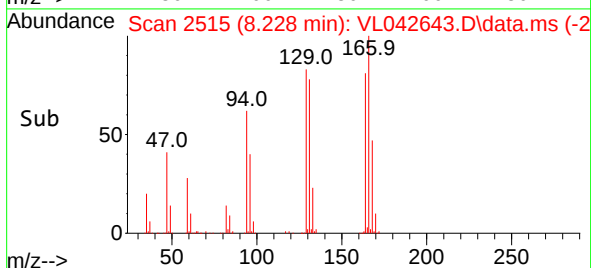
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

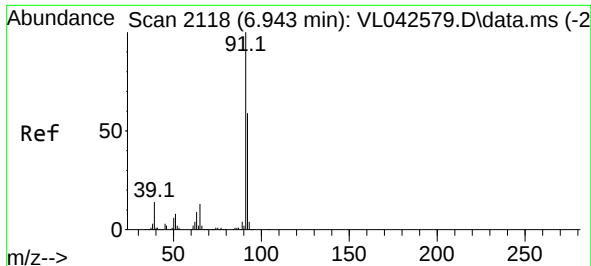


#52
Tetrachloroethene
Concen: 9.968 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



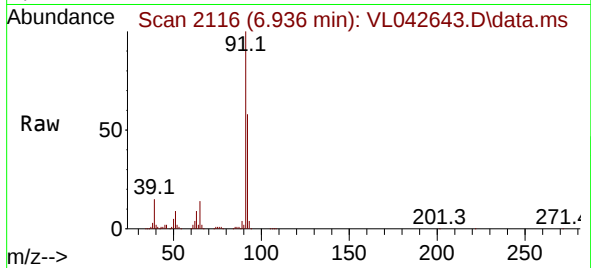
Tgt Ion:164 Resp: 100491
Ion Ratio Lower Upper
164 100
166 123.2 100.0 150.0
129 102.2 82.2 123.4
131 96.1 75.2 112.8





#53
Toluene
Concen: 10.479 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.007 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

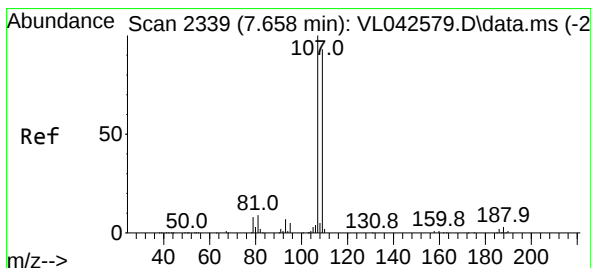
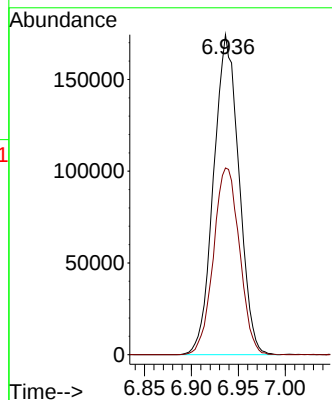
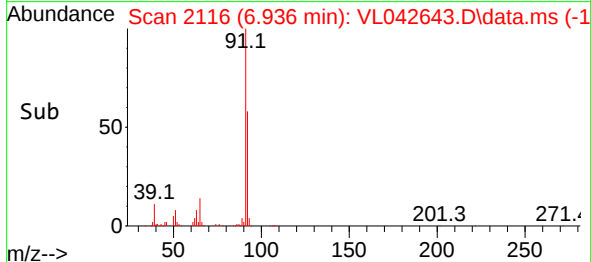
Instrument : MSVOA_L
ClientSampleId : VL0617ABS01



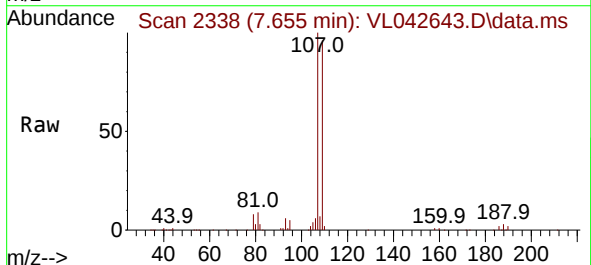
Tgt Ion: 91 Resp: 326779
Ion Ratio Lower Upper
91 100
92 60.0 48.2 72.4

Manual Integrations
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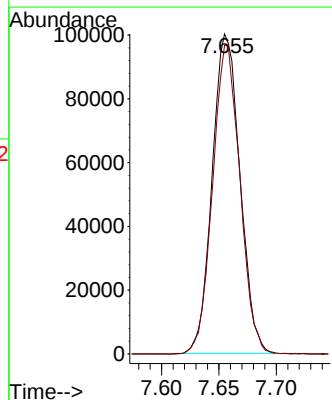
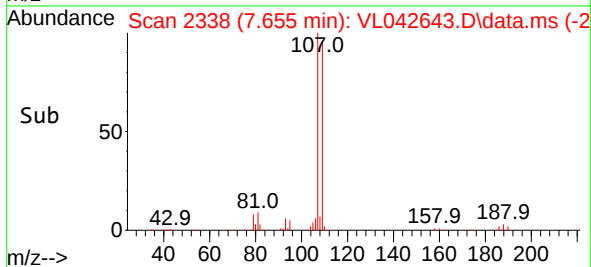
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

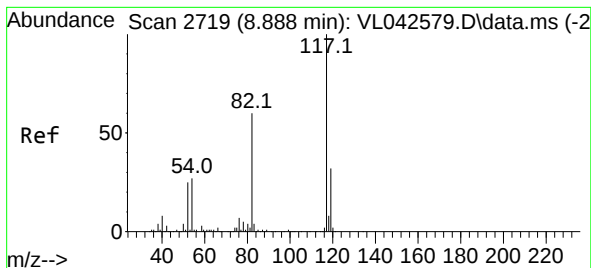


#54
1,2-Dibromoethane
Concen: 11.037 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



Tgt Ion:107 Resp: 168728
Ion Ratio Lower Upper
107 100
109 96.5 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2719

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

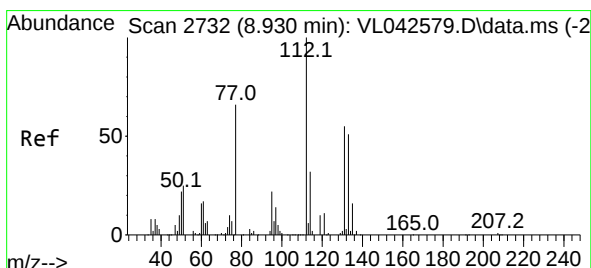
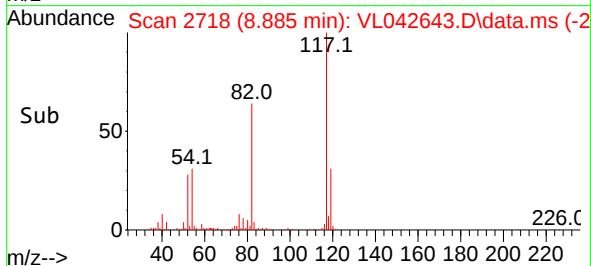
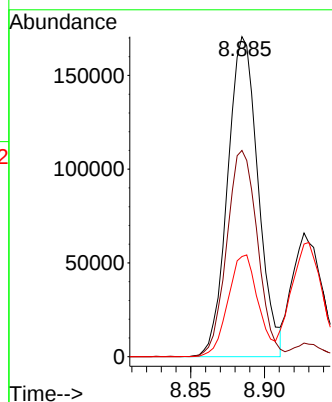
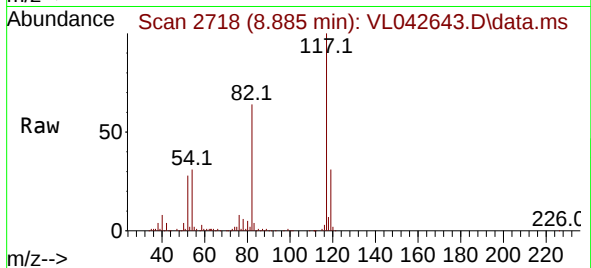
VL0617ABS01

Tgt Ion:	117	Resp:	24584
Ion Ratio	Lower	Upper	
117	100		
82	68.8	51.2	76.8
119	30.9	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.728 ppbv

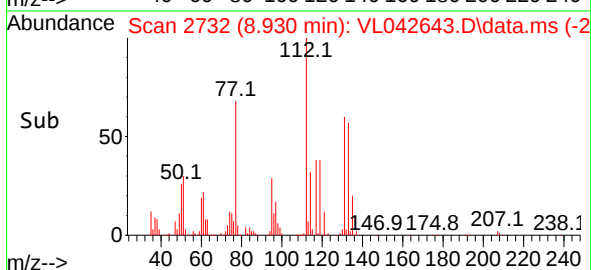
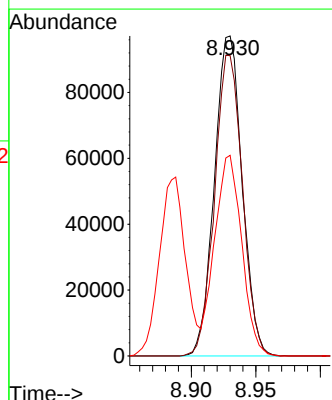
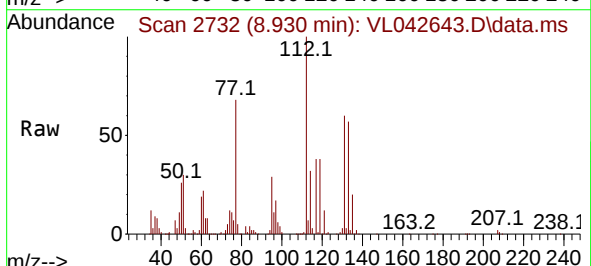
RT: 8.930 min Scan# 2732

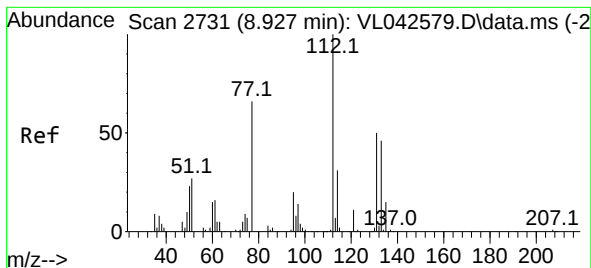
Delta R.T. -0.000 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Tgt Ion:	131	Resp:	144980
Ion Ratio	Lower	Upper	
131	100		
133	94.3	75.0	112.6
119	62.4	50.8	76.2





#57

Chlorobenzene

Concen: 10.825 ppbv

RT: 8.924 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

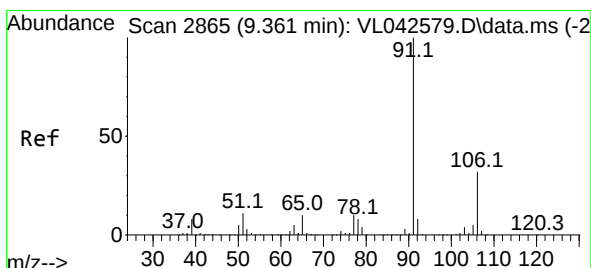
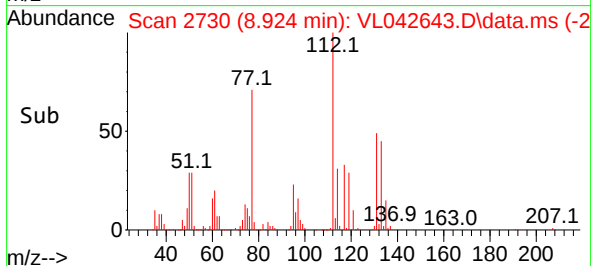
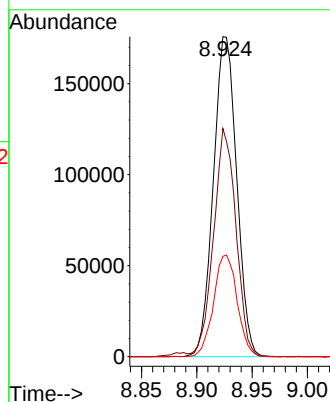
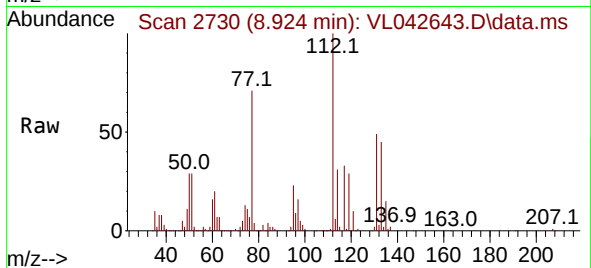
VL0617ABS01

Tgt Ion:	112	Resp:	258390
Ion Ratio	Lower	Upper	
112	100		
77	71.3	53.5	80.3
114	31.3	27.8	34.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#58

Ethyl Benzene

Concen: 10.956 ppbv

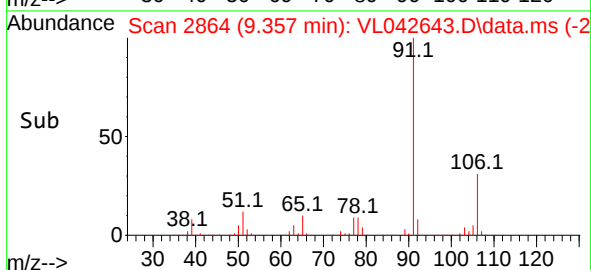
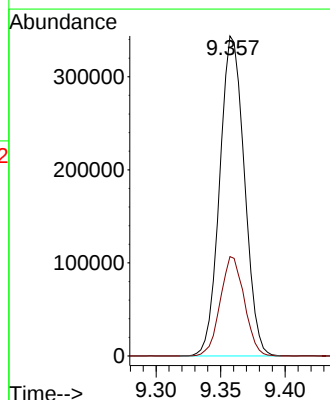
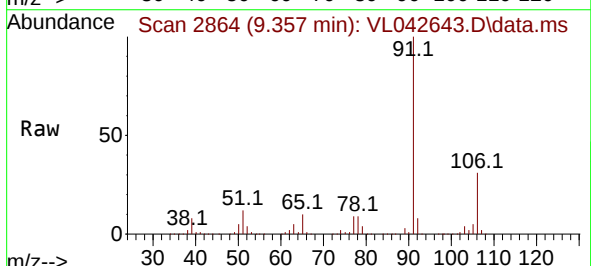
RT: 9.357 min Scan# 2864

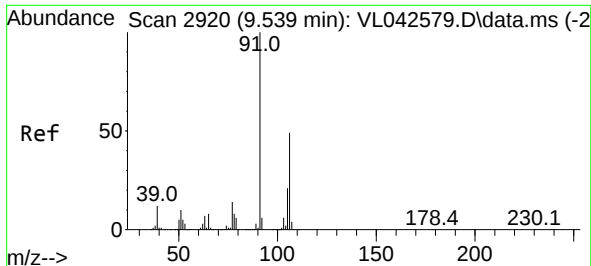
Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

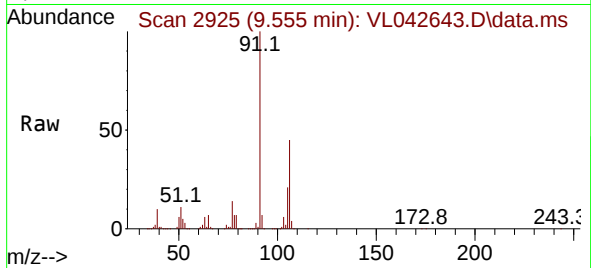
Tgt Ion:	91	Resp:	456880
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.9	38.9





#59
m/p-Xylene
Concen: 22.978 ppbv m
RT: 9.555 min Scan# 2925
Delta R.T. 0.016 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

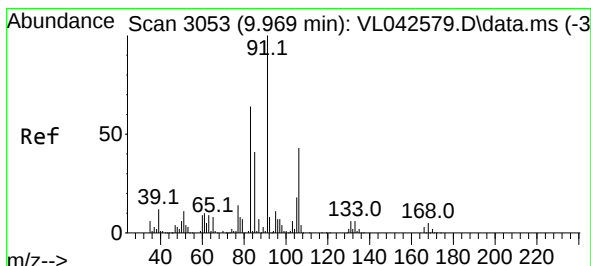
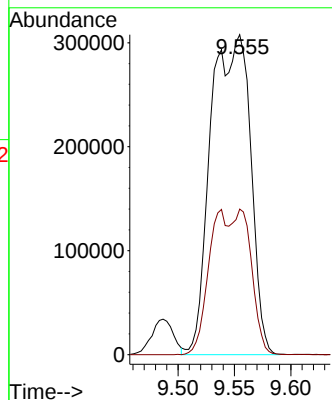
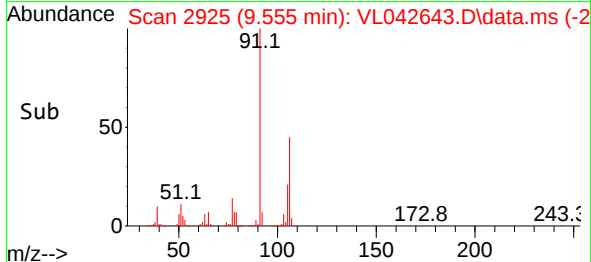
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



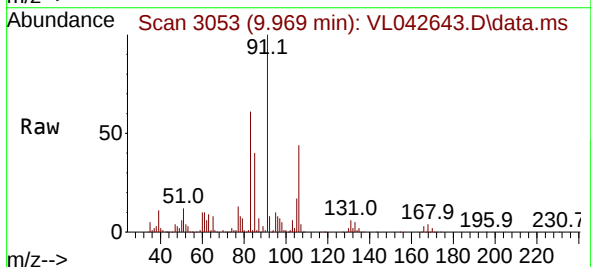
Tgt Ion: 91 Resp: 75406
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

Manual Integrations
APPROVED

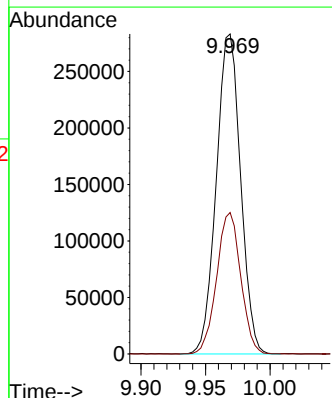
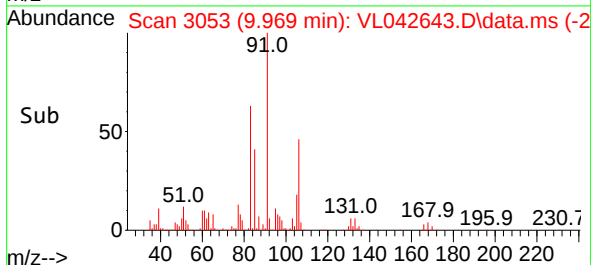
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

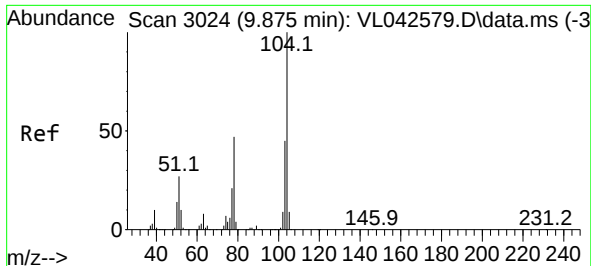


#60
o-Xylene
Concen: 11.311 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



Tgt Ion: 91 Resp: 370203
Ion Ratio Lower Upper
91 100
106 43.8 22.9 68.5





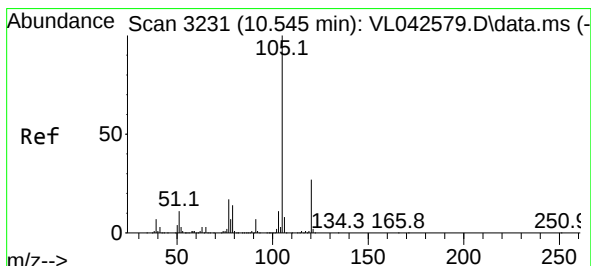
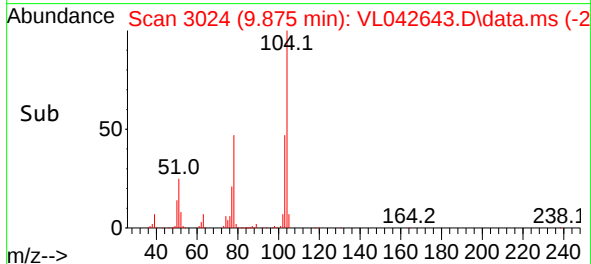
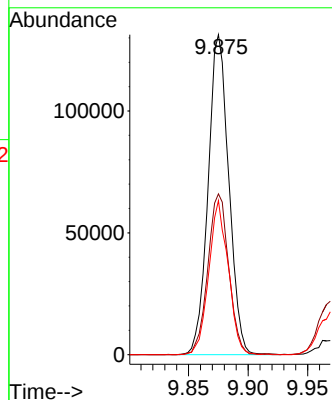
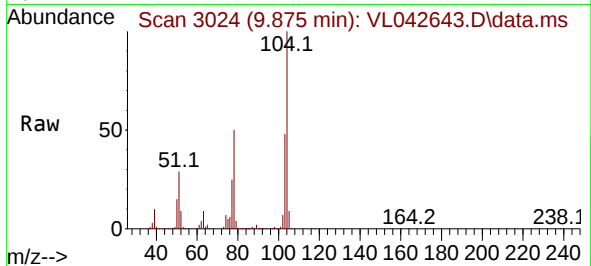
#61
Styrene
Concen: 10.242 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument : MSVOA_L
ClientSampleId : VL0617ABS01

Tgt Ion:104 Resp: 158495
Ion Ratio Lower Upper
104 100
78 50.8 38.2 57.4
103 45.4 36.7 55.1

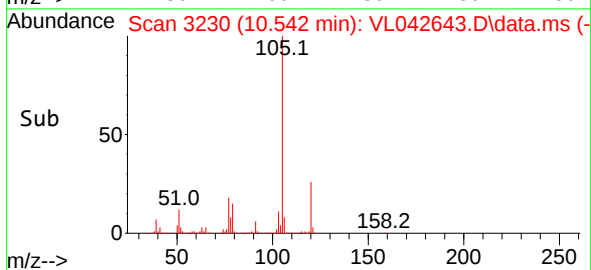
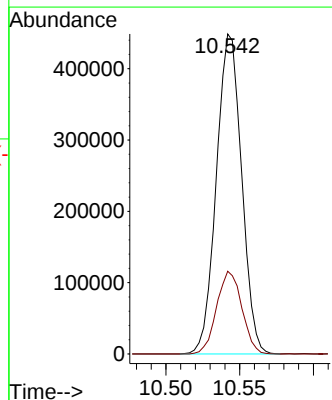
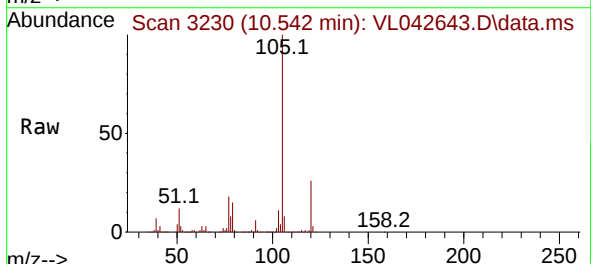
Manual Integrations
APPROVED

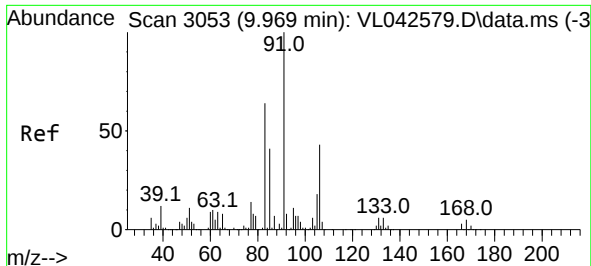
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#62
Isopropylbenzene
Concen: 11.054 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

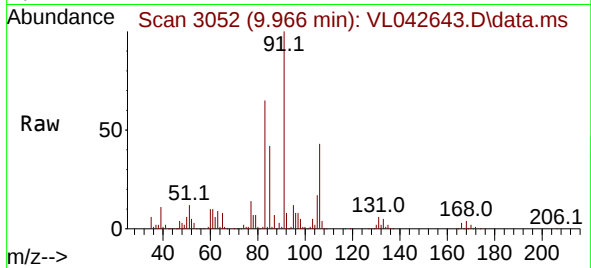
Tgt Ion:105 Resp: 534524
Ion Ratio Lower Upper
105 100
120 25.7 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 11.302 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

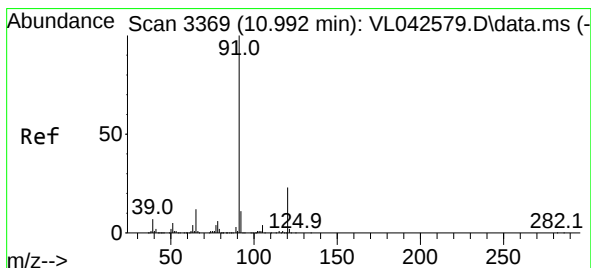
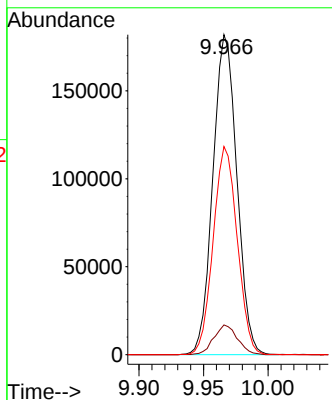
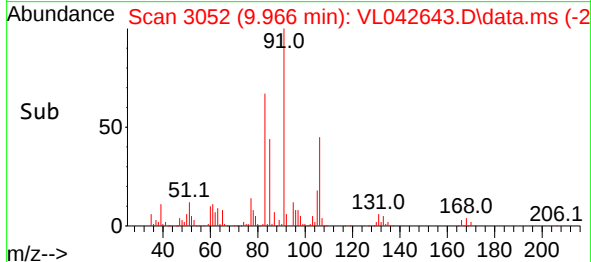
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



Tgt Ion: 83 Resp: 235229
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.4
85 65.1 32.5 97.4

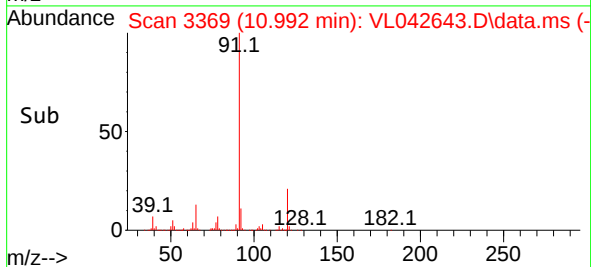
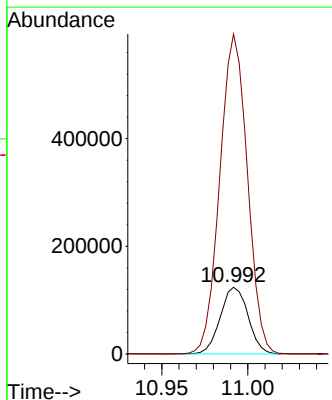
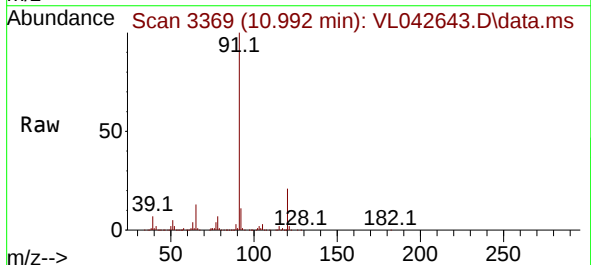
Manual Integrations
APPROVED

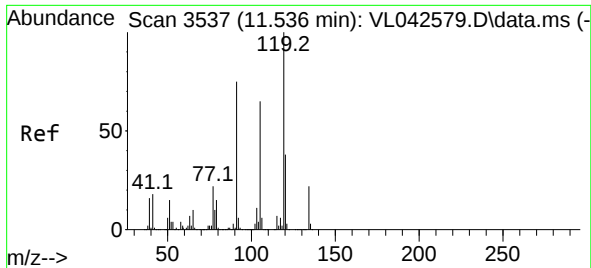
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#64
n-propylbenzene
Concen: 10.725 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion:120 Resp: 139016
Ion Ratio Lower Upper
120 100
91 477.1 363.0 544.6





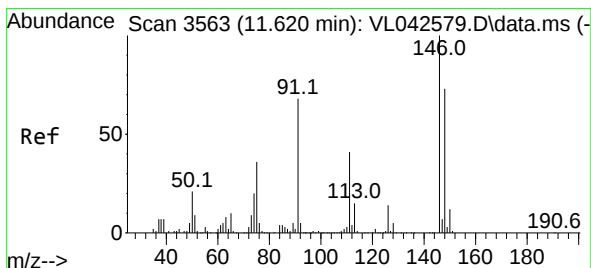
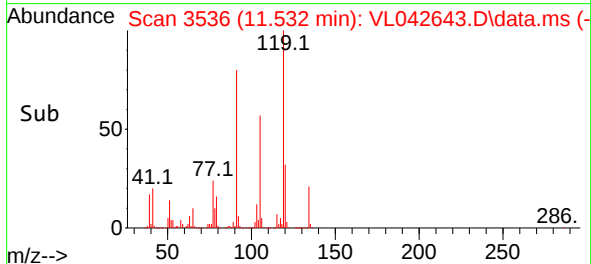
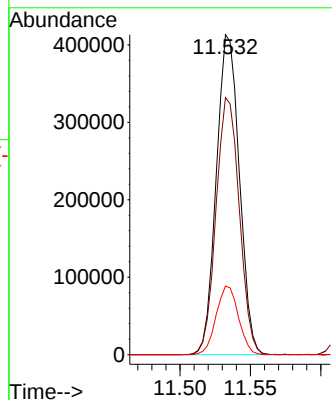
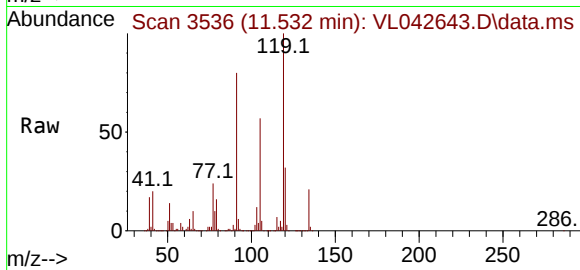
#65
tert-Butylbenzene
Concen: 10.720 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion:119 Resp: 470400
Ion Ratio Lower Upper
119 100
91 81.1 61.1 91.7
134 20.8 17.4 26.2

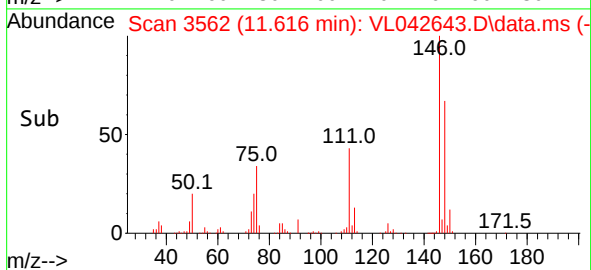
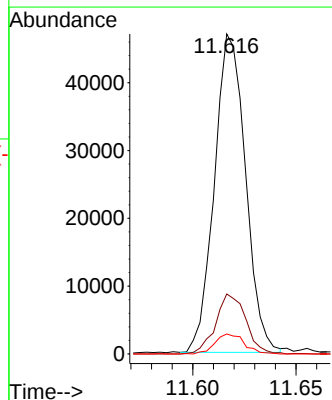
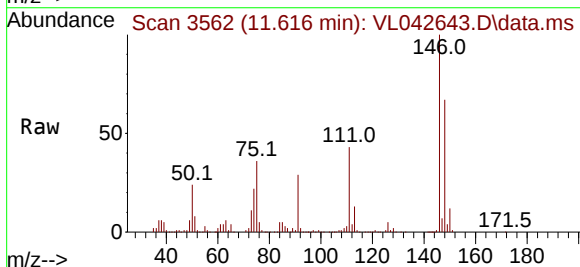
Manual Integrations
APPROVED

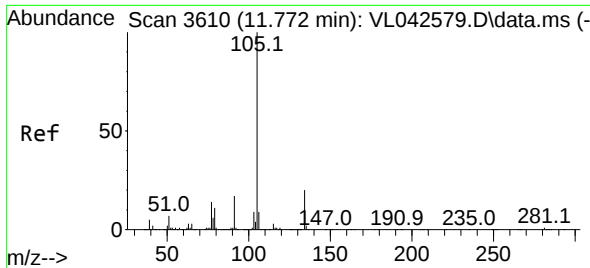
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#66
Benzyl Chloride
Concen: 8.714 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

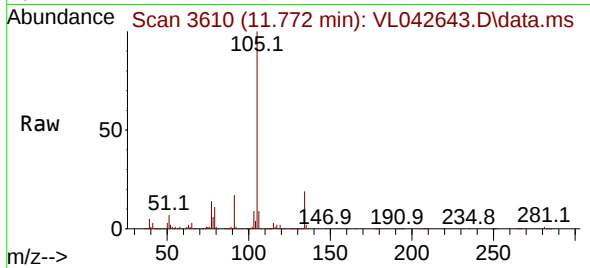
Tgt Ion: 91 Resp: 49219
Ion Ratio Lower Upper
91 100
126 18.3 15.1 22.7
128 5.9 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 10.932 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

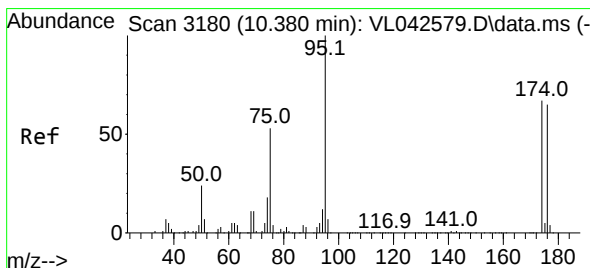
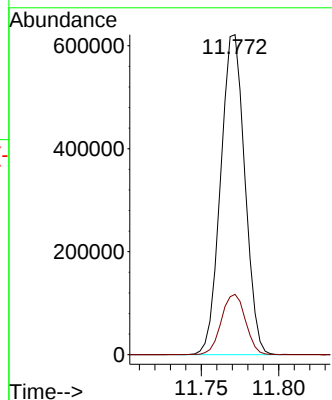
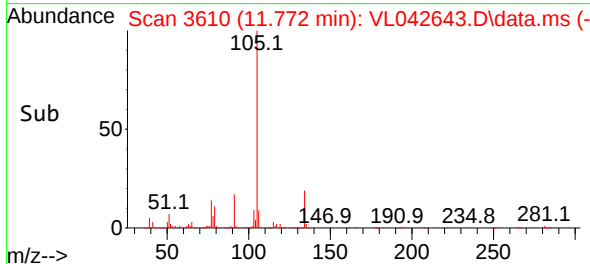
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01



Tgt Ion:105 Resp: 67441
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.8 23.6

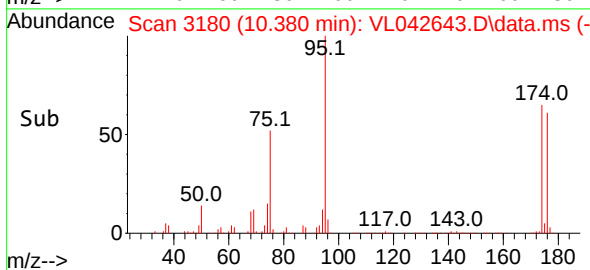
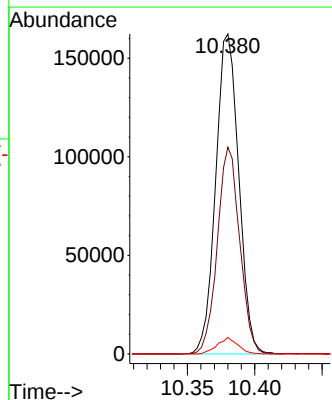
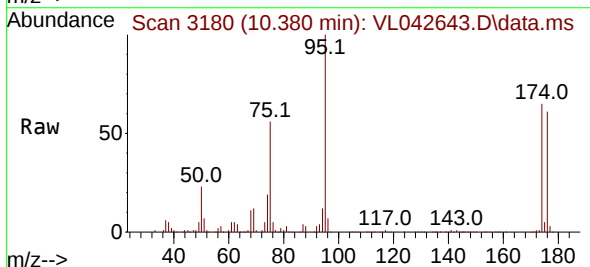
Manual Integrations
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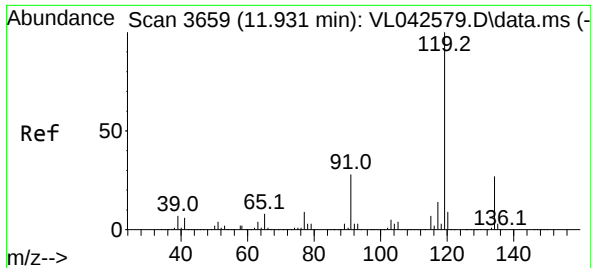
Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.471 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

Tgt Ion: 95 Resp: 192966
 Ion Ratio Lower Upper
 95 100
 174 62.7 53.1 79.7
 175 4.6 4.2 6.2





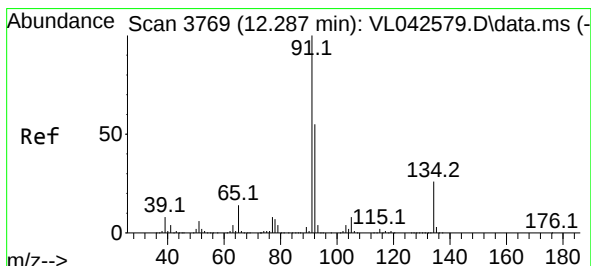
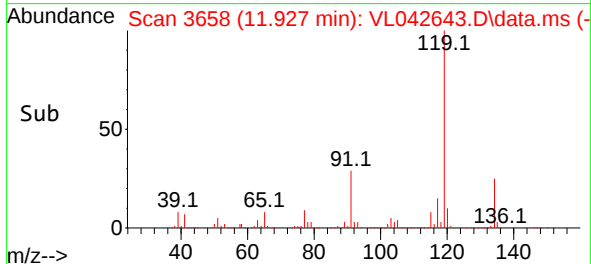
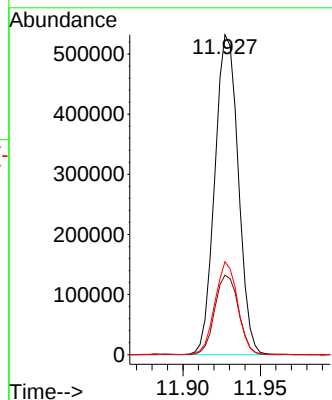
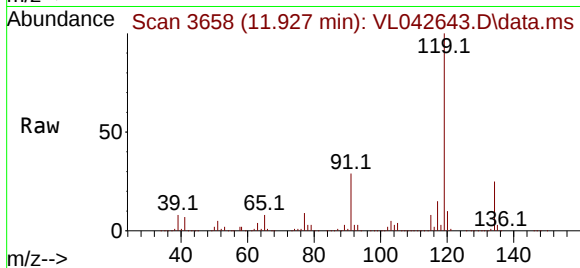
#69
p-Isopropyltoluene
Concen: 10.818 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion: 119 Resp: 558874
Ion Ratio Lower Upper
119 100
134 25.2 21.1 31.7
91 28.3 21.9 32.9

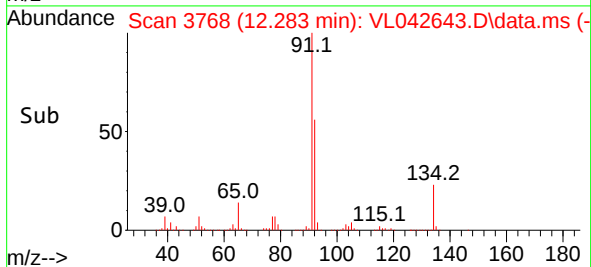
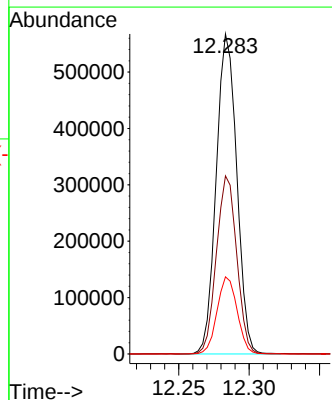
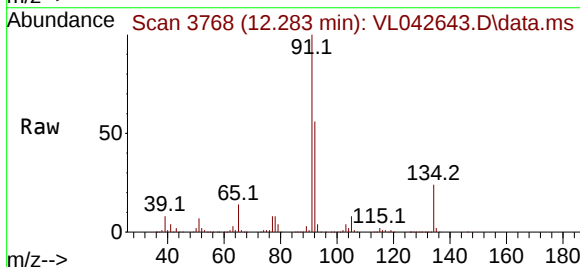
Manual Integrations
APPROVED

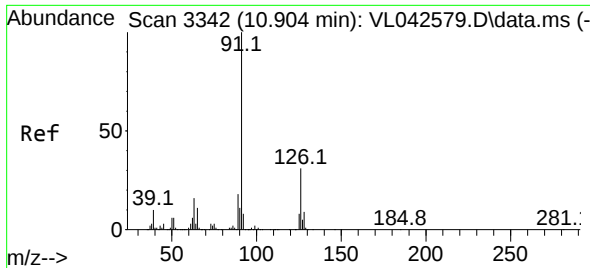
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#70
n-Butylbenzene
Concen: 11.285 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion: 91 Resp: 575500
Ion Ratio Lower Upper
91 100
92 55.2 44.4 66.6
134 23.6 20.1 30.1





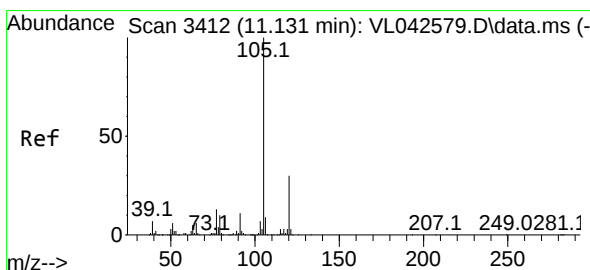
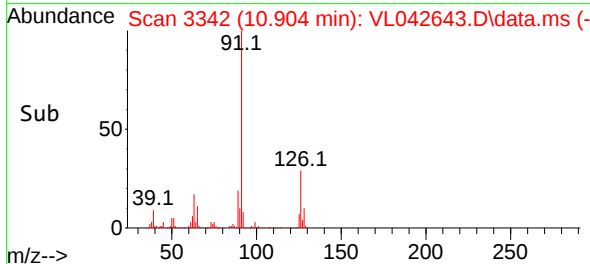
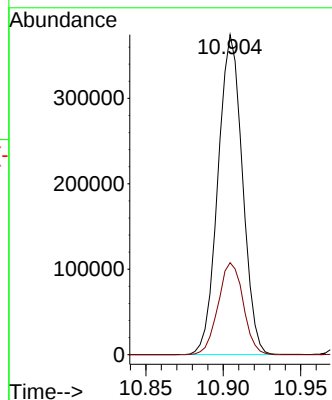
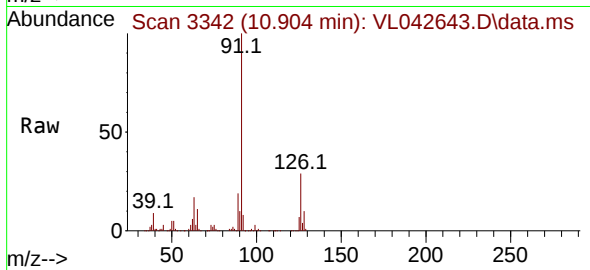
#71
2-Chlorotoluene
Concen: 11.125 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tgt Ion: 91 Resp: 410339
Ion Ratio Lower Upper
91 100
126 29.5 12.6 50.4

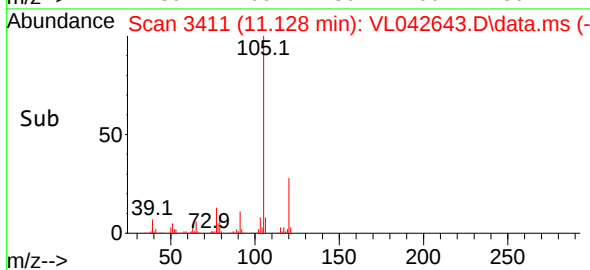
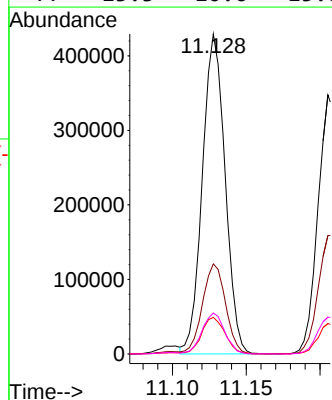
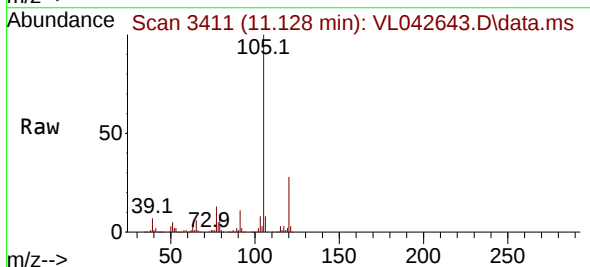
Manual Integrations
APPROVED

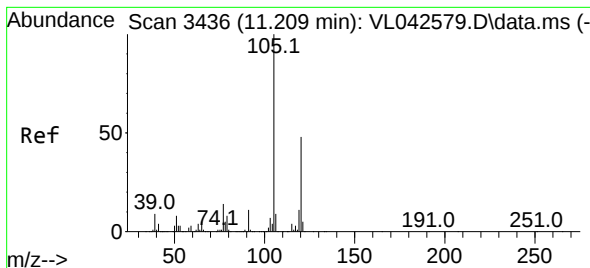
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#72
4-Ethyltoluene
Concen: 11.255 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

Tgt Ion:105 Resp: 459294
Ion Ratio Lower Upper
105 100
120 29.3 24.6 36.8
91 12.3 9.6 14.4
77 13.3 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 11.176 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tgt Ion:105 Resp: 377440

Ion Ratio Lower Upper

105 100

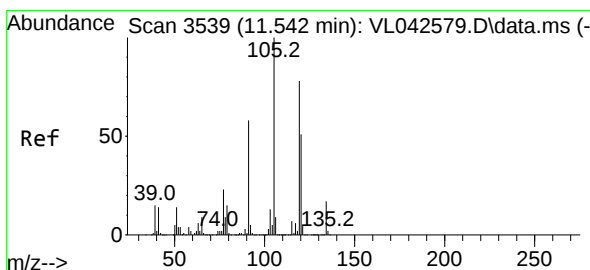
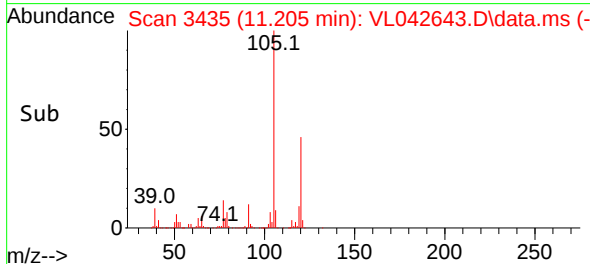
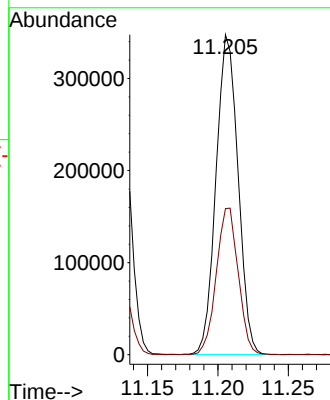
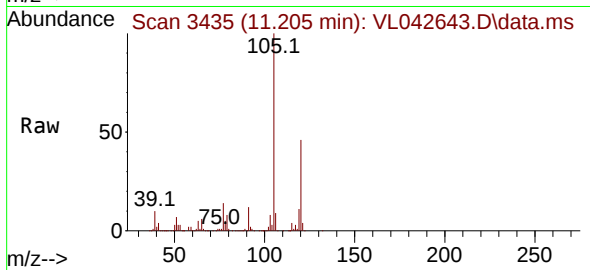
120 45.7 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025

Supervised By :Mahesh Dadoda 06/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.173 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Tgt Ion:105 Resp: 418758

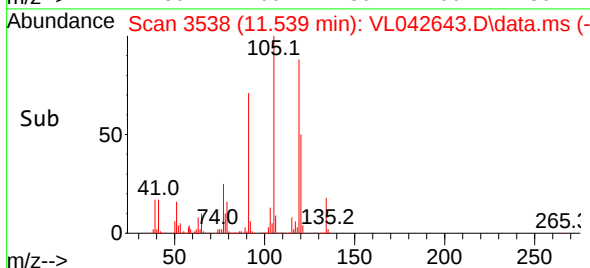
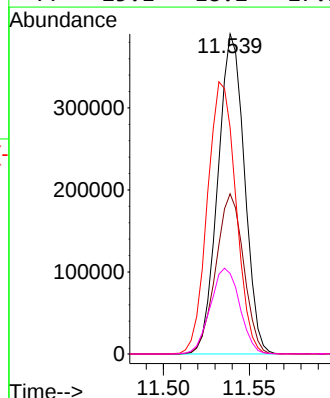
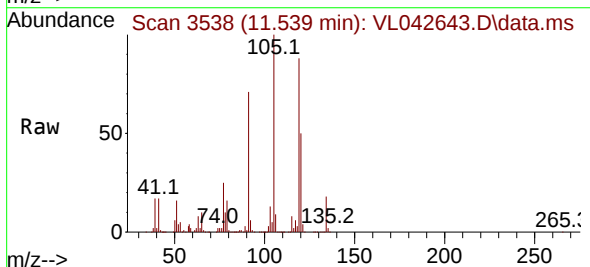
Ion Ratio Lower Upper

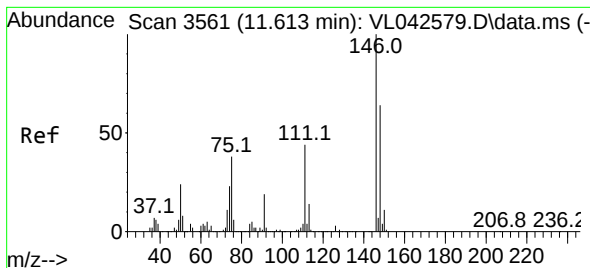
105 100

120 50.1 40.8 61.2

91 70.7 46.8 70.2#

77 25.1 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 10.866 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

Instrument :

MSVOA_L

ClientSampleId :

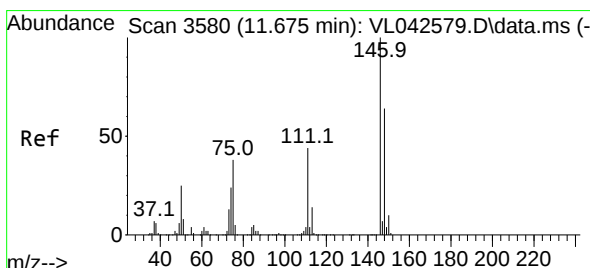
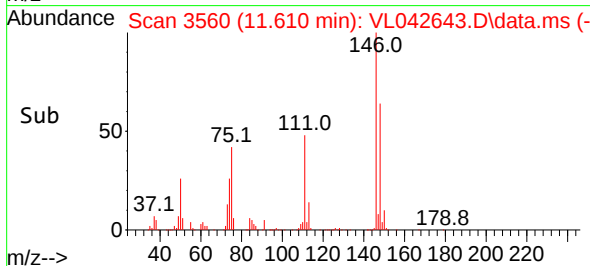
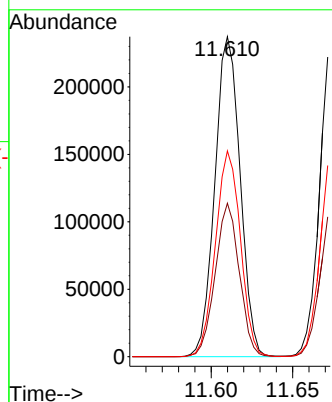
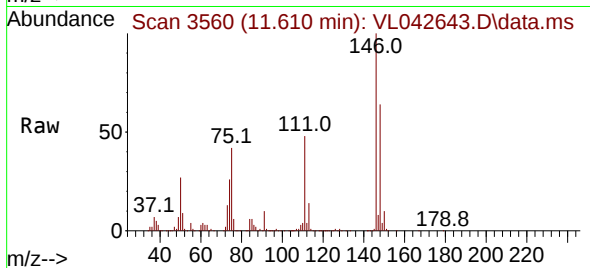
VL0617ABS01

Tgt Ion:146	Resp:	255758
Ion Ratio	Lower	Upper
146	100	
111	45.8	22.4 67.3
148	63.6	32.0 96.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



#76

1,4-Dichlorobenzene

Concen: 10.908 ppbv

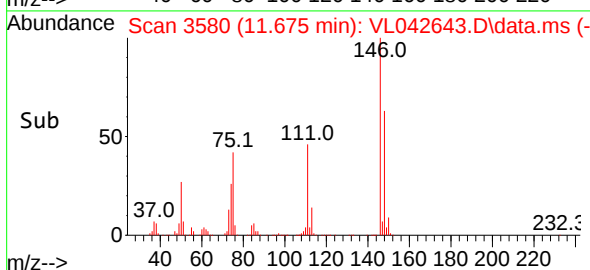
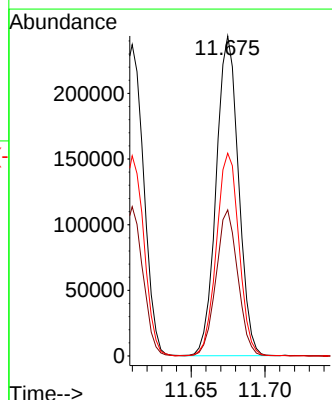
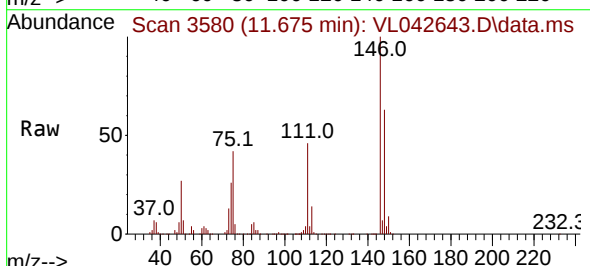
RT: 11.675 min Scan# 3580

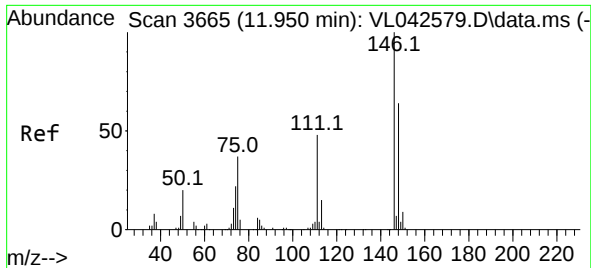
Delta R.T. -0.000 min

Lab File: VL042643.D

Acq: 17 Jun 2025 12:04

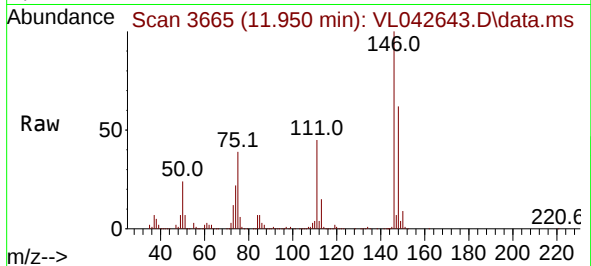
Tgt Ion:146	Resp:	256060
Ion Ratio	Lower	Upper
146	100	
111	44.9	21.6 64.8
148	64.3	32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 10.958 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

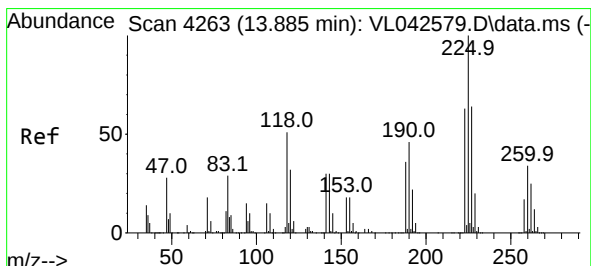
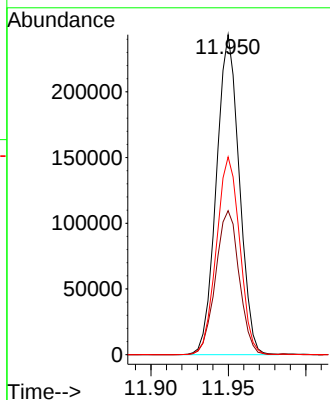
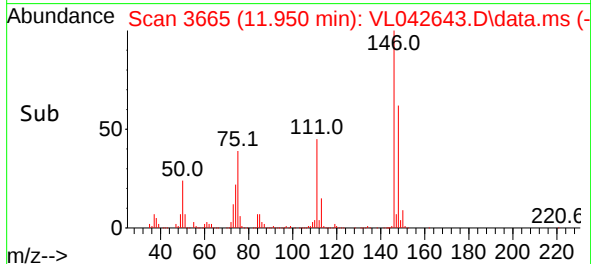
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



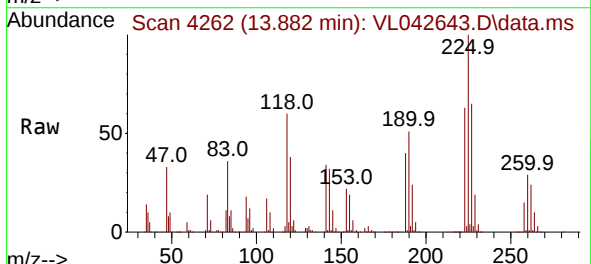
Tgt Ion:146 Resp: 250309
Ion Ratio Lower Upper
146 100
111 46.5 23.1 69.3
148 63.1 32.1 96.3

Manual Integrations
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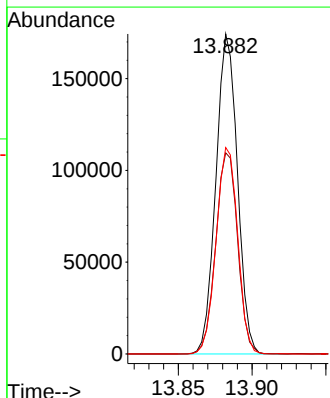
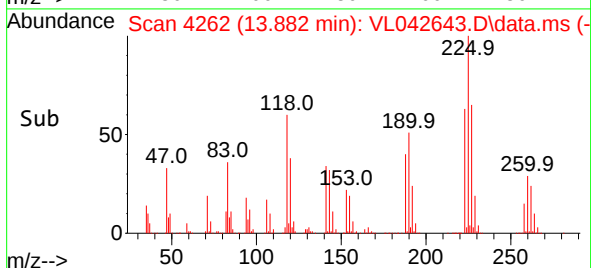
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

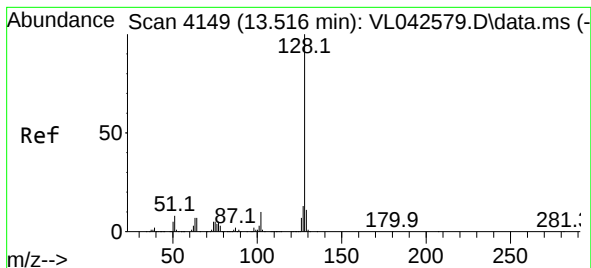


#78
Hexachloro-1,3-Butadiene
Concen: 9.357 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



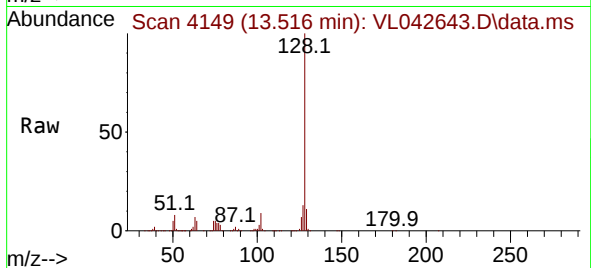
Tgt Ion:225 Resp: 176853
Ion Ratio Lower Upper
225 100
223 64.1 50.2 75.4
227 64.8 51.1 76.7





#79
Naphthalene
Concen: 11.317 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04

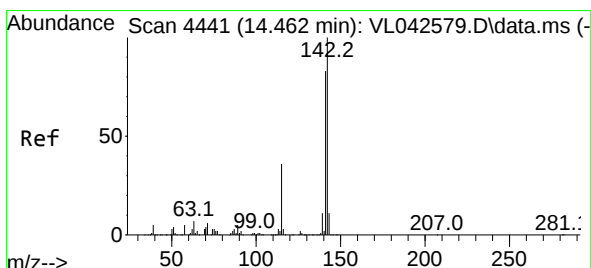
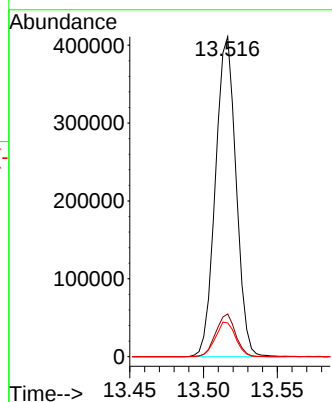
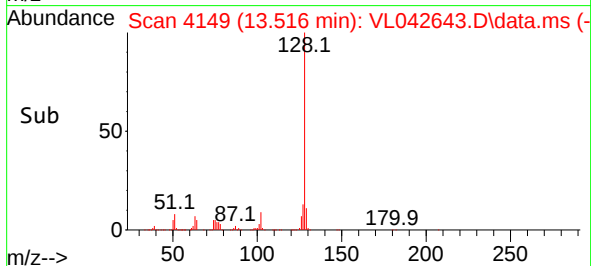
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01



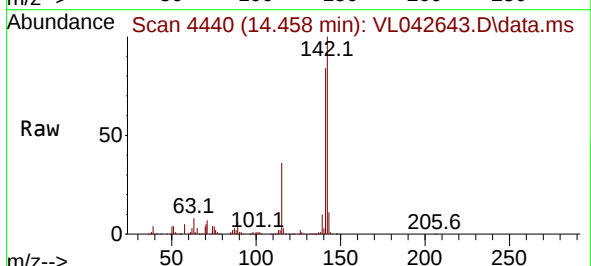
Tgt Ion:128 Resp: 399837
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.6 8.8 13.2

Manual Integrations
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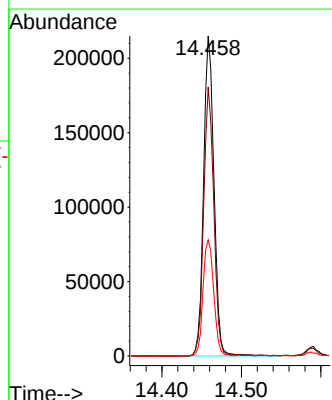
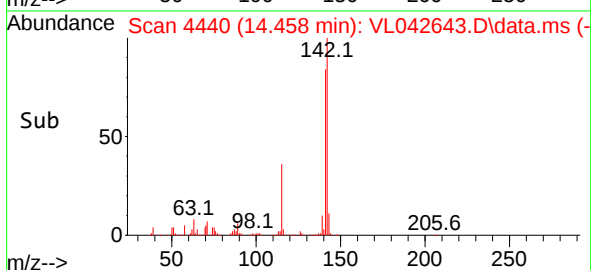
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

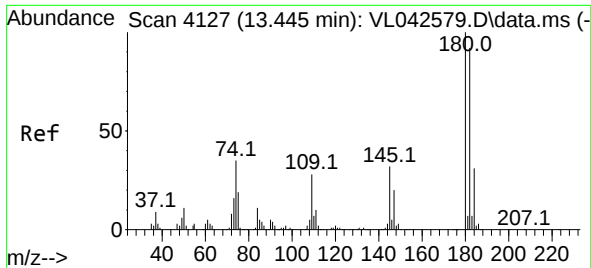


#80
Naphthalene,2-methyl-
Concen: 12.316 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042643.D
Acq: 17 Jun 2025 12:04



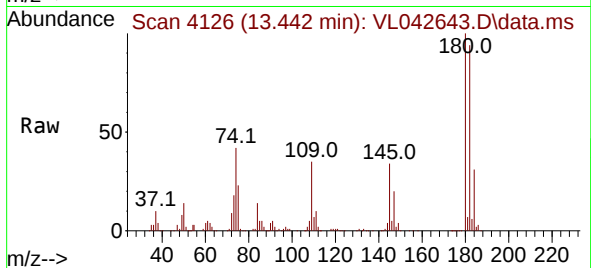
Tgt Ion:142 Resp: 196574
Ion Ratio Lower Upper
142 100
141 82.3 66.2 99.4
115 37.8 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 10.569 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042643.D
 Acq: 17 Jun 2025 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01



Tgt Ion:180 Resp: 208429
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.0 112.4
 184 30.2 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

