

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042649.D
 Acq On : 19 Jun 2025 10:26
 Operator : SY/MD
 Sample : VL0619ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABS01

Quant Time: Jun 20 01:35:03 2025

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	107593	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	277113	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.901	117	244062	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 194374 10.624 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	142090	10.745	ppbv	99
3) Chlorodifluoromethane	1.479	51	178086	9.778	ppbv	95
4) Chloromethane	1.538	50	52647	10.054	ppbv	97
5) Vinyl Chloride	1.586	62	49813	9.338	ppbv	93
6) Bromomethane	1.674	94	24497	9.435	ppbv	93
7) Chloroethane	1.712	64	20025	9.661	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	115548	10.487	ppbv	98
9) Propene	1.489	41	67588	9.215	ppbv	99
10) Heptane	5.004	43	196137	9.487	ppbv	99
11) Trichlorofluoromethane	1.884	101	148395	12.061	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	114662	11.868	ppbv	96
13) Ethanol	1.729	45	5283	6.044	ppbv	87
14) Bromoethene	1.790	108	40199	11.062	ppbv	96
15) Acetone	1.842	43	118513	9.145	ppbv	97
16) 1,3-Butadiene	1.615	39	56246	9.162	ppbv	97
17) tert-Butyl alcohol	2.046	59	133965	9.922	ppbv	99
18) 1,1-Dichloroethene	2.043	96	48846	10.908	ppbv	95
19) Isopropyl Alcohol	1.894	45	75712	9.772	ppbv	96
20) Methylene Chloride	2.068	84	41003	9.587	ppbv	97
21) Allyl Chloride	2.104	41	91875	10.047	ppbv	95
22) trans-1,2-Dichloroethene	2.350	96	54912	10.978	ppbv	93
23) Vinyl Acetate	2.473	43	216370	12.351	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	110695	10.756	ppbv	100
25) Ethyl Acetate	2.845	43	348113	9.815	ppbv	99
26) Hexane	2.839	57	150708	9.352	ppbv	96
27) Carbon Disulfide	2.159	76	133837	10.818	ppbv #	93
28) Methyl tert-Butyl Ether	2.450	73	73405	11.225	ppbv	99
29) Chloroform	2.858	83	224279	10.702	ppbv	97
30) Cyclohexane	3.871	84	121943	9.127	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	143034	9.703	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	214588	10.022	ppbv	99
34) 2-Butanone	2.567	43	230485	11.663	ppbv	99
35) Carbon Tetrachloride	3.781	117	219519	12.000	ppbv	97
36) Benzene	3.671	78	295149	10.816	ppbv	100
37) 1,2-Dichloroethane	3.230	62	171230	12.625	ppbv	97
38) Trichloroethene	4.570	130	117728	10.150	ppbv	91
39) 1,2-Dichloropropane	4.331	63	110494	10.949	ppbv	97
40) 1,4-Dioxane	4.596	88	46497	10.297	ppbv #	89
41) Tetrahydrofuran	3.065	42	122612	10.599	ppbv	98
42) Bromodichloromethane	4.509	83	237205	12.314	ppbv	95
43) Methyl Methacrylate	4.901	69	110610	10.443	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	516730	11.070	ppbv	99
45) t-1,3-Dichloropropene	6.438	75	126703	10.454	ppbv	95

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Instrument :
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 ClientSampleId :
 VL0619ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:35:03 2025

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

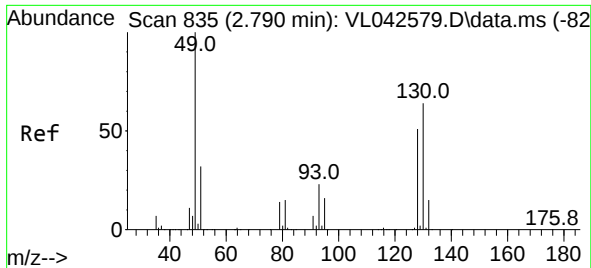
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

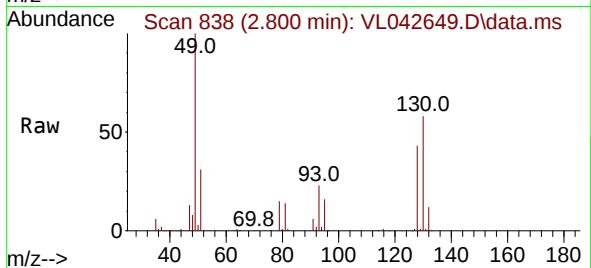
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	160871	10.593	ppbv	97
47) 1,1,2-Trichloroethane	6.603	97	120343	11.520	ppbv	97
48) Dibromochloromethane	7.409	129	188153	11.251	ppbv	100
49) Bromoform	9.503	173	162341	11.251	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	300801	10.974	ppbv	98
51) 2-Hexanone	7.454	43	237712	10.935	ppbv #	97
52) Tetrachloroethene	8.244	164	100098	9.816	ppbv	99
53) Toluene	6.959	91	330131	10.467	ppbv	100
54) 1,2-Dibromoethane	7.674	107	172654	11.166	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	144799	11.799	ppbv	98
57) Chlorobenzene	8.940	112	263529	11.120	ppbv	95
58) Ethyl Benzene	9.374	91	458900	11.085	ppbv	95
59) m/p-Xylene	9.568	91	756459m	23.219	ppbv	
60) o-Xylene	9.982	91	380653	11.715	ppbv	96
61) Styrene	9.888	104	157508	10.253	ppbv	96
62) Isopropylbenzene	10.555	105	547590	11.407	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.979	83	242285	11.726	ppbv	99
64) n-propylbenzene	11.002	120	145308	11.293	ppbv	94
65) tert-Butylbenzene	11.545	119	480384	11.028	ppbv	96
66) Benzyl Chloride	11.626	91	51799	9.238	ppbv	100
67) sec-Butylbenzene	11.782	105	694122	11.334	ppbv	98
69) p-Isopropyltoluene	11.937	119	576427	11.239	ppbv	98
70) n-Butylbenzene	12.293	91	593718	11.728	ppbv	98
71) 2-Chlorotoluene	10.914	91	414838	11.330	ppbv	97
72) 4-Ethyltoluene	11.138	105	468085	11.555	ppbv	98
73) 1,3,5-Trimethylbenzene	11.218	105	385574	11.500	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	431688	11.602	ppbv	94
75) 1,3-Dichlorobenzene	11.620	146	267433	11.446	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	266891	11.453	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	256891	11.328	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	184233	9.819	ppbv	99
79) Naphthalene	13.523	128	414690	11.824	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	191696	12.098	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	208526	10.651	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

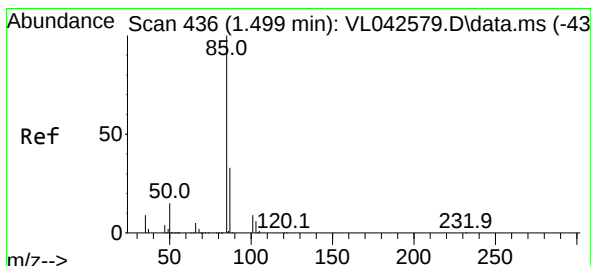
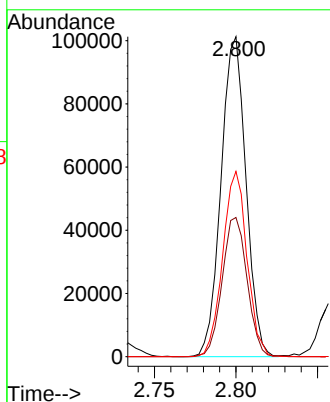
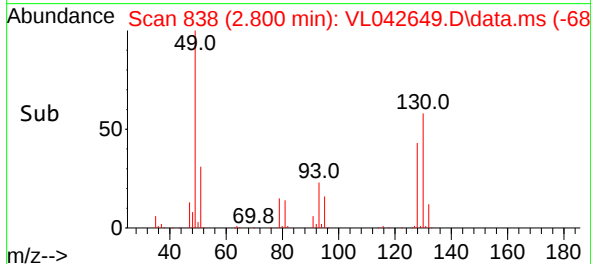
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



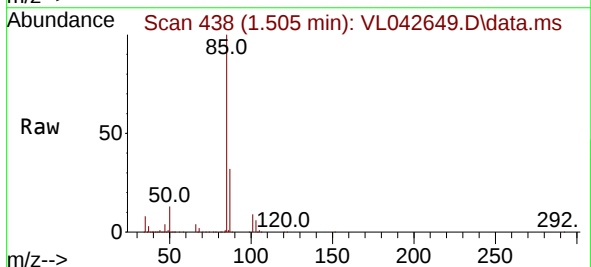
Tgt Ion: 49 Resp: 10759
Ion Ratio Lower Upper
49 100
128 43.5 24.2 72.6
130 56.4 30.4 91.2

Manual Integrations
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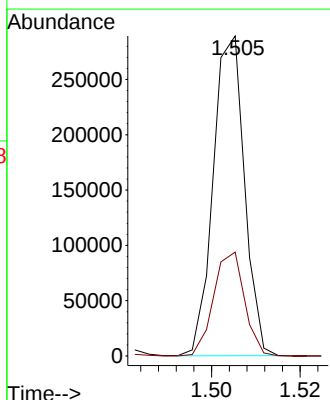
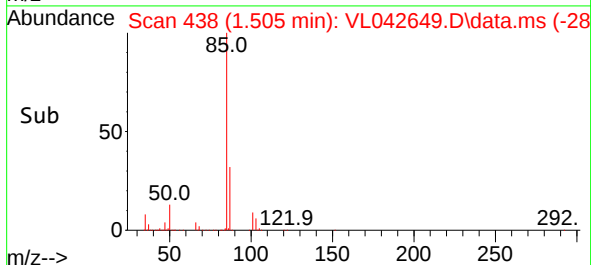
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

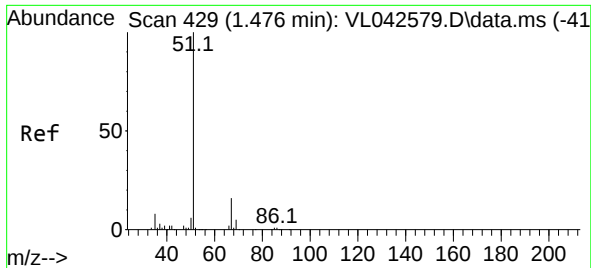


#2
Dichlorodifluoromethane
Concen: 10.745 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.006 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



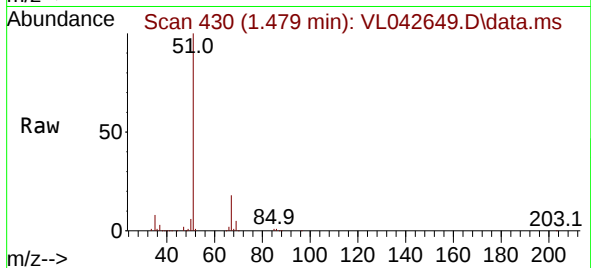
Tgt Ion: 85 Resp: 142090
Ion Ratio Lower Upper
85 100
87 32.5 26.6 39.8





#3
Chlorodifluoromethane
Concen: 9.778 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

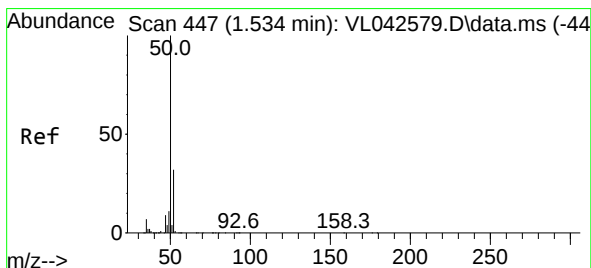
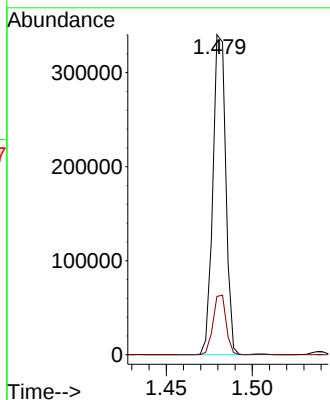
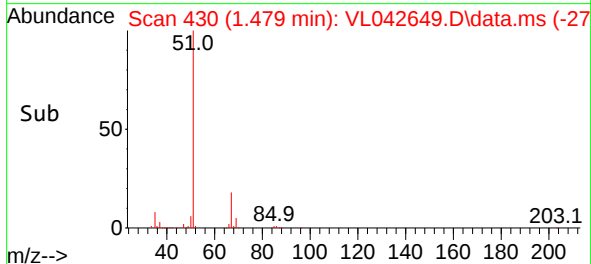
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



Tgt Ion: 51 Resp: 17808
Ion Ratio Lower Upper
51 100
67 18.8 13.4 20.2

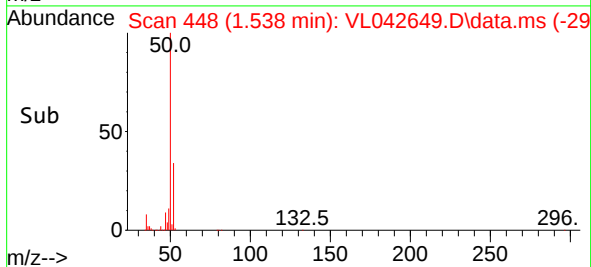
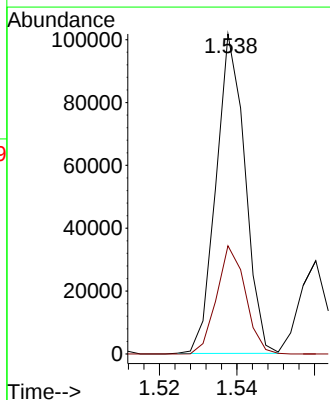
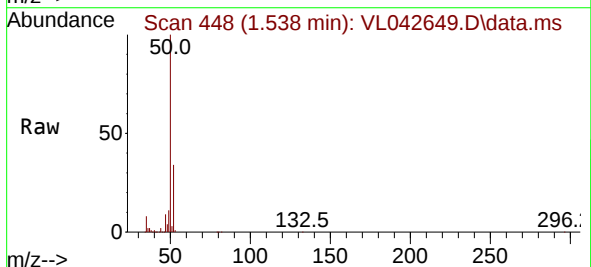
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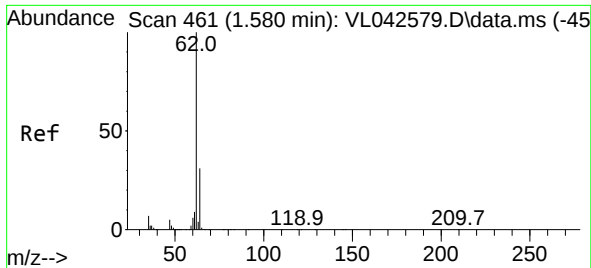
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#4
Chloromethane
Concen: 10.054 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 50 Resp: 52647
Ion Ratio Lower Upper
50 100
52 33.9 25.8 38.6





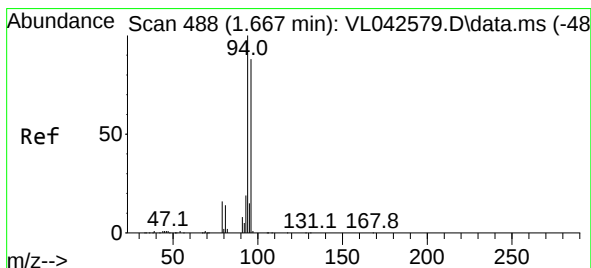
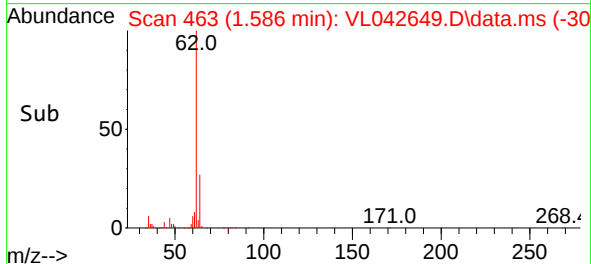
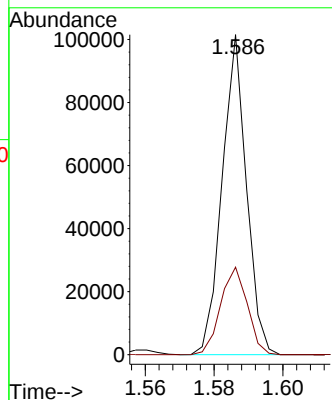
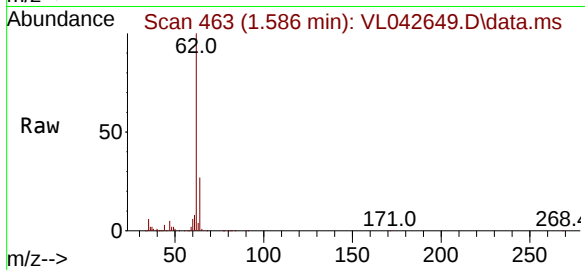
#5
 Vinyl Chloride
 Concen: 9.338 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABS01

Tgt Ion: 62 Resp: 4981
 Ion Ratio Lower Upper
 62 100
 64 27.4 24.9 37.3

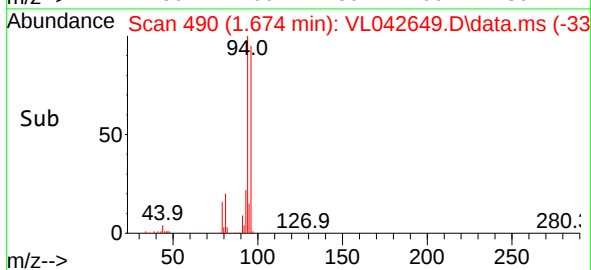
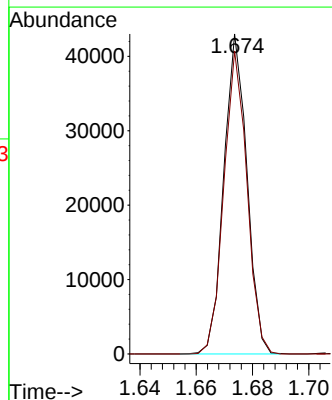
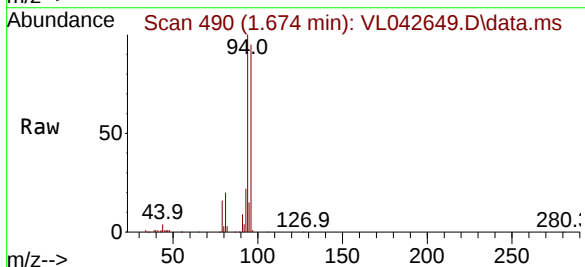
Manual Integrations
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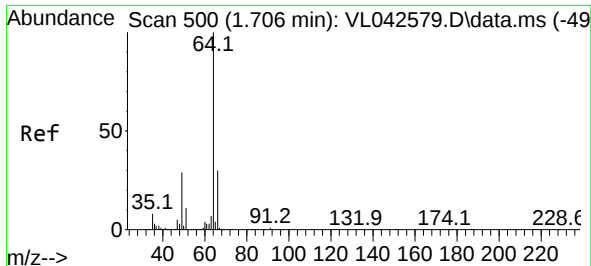
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#6
 Bromomethane
 Concen: 9.435 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.007 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

Tgt Ion: 94 Resp: 24497
 Ion Ratio Lower Upper
 94 100
 96 94.7 70.7 106.1





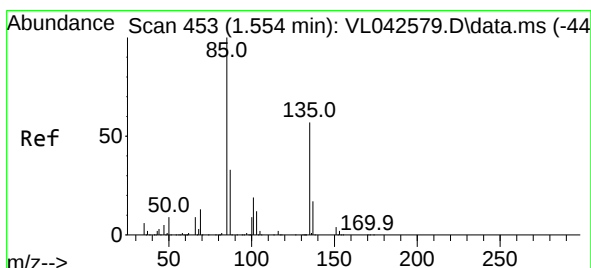
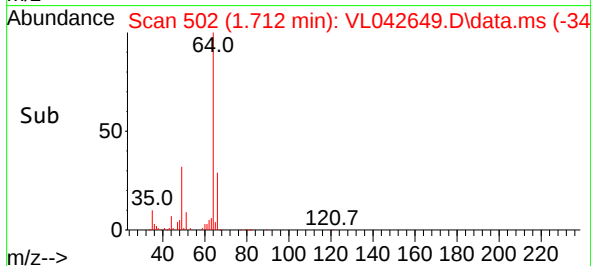
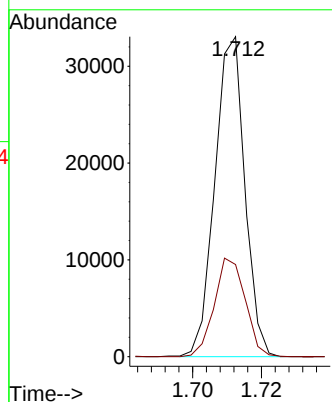
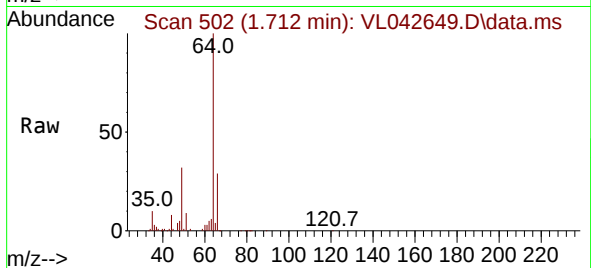
#7
Chloroethane
Concen: 9.661 ppbv
RT: 1.712 min Scan# 500
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 64 Resp: 20025
Ion Ratio Lower Upper
64 100
66 28.8 24.3 36.5

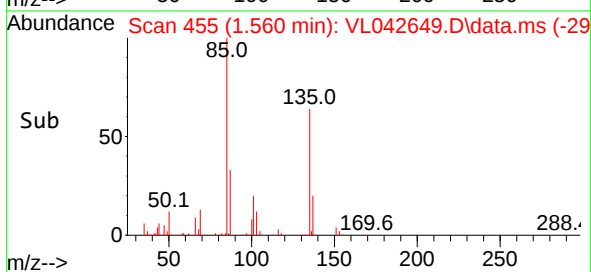
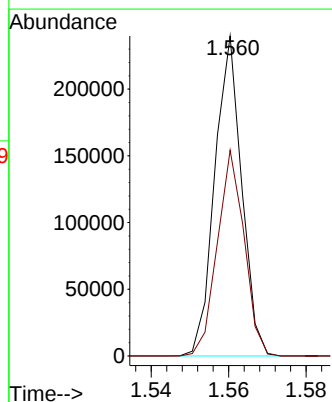
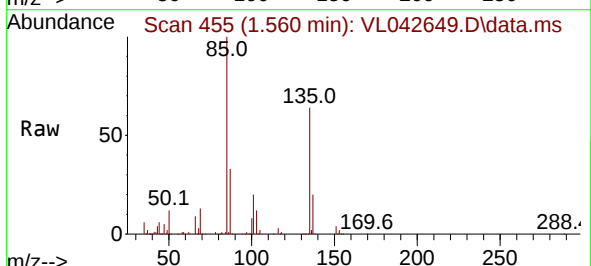
Manual Integrations
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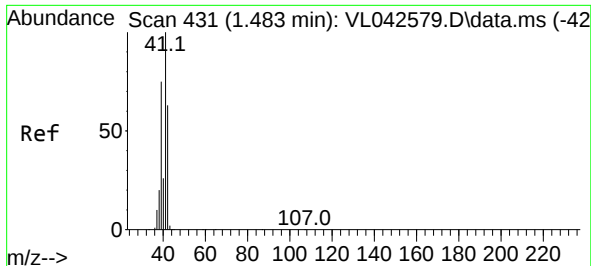
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#8
Dichlorotetrafluoroethane
Concen: 10.487 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 85 Resp: 115548
Ion Ratio Lower Upper
85 100
135 64.3 50.2 75.4





#9

Propene

Concen: 9.215 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

Tgt Ion: 41 Resp: 6758

Ion Ratio Lower Upper

41 100

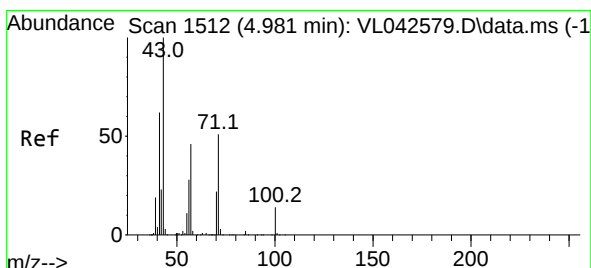
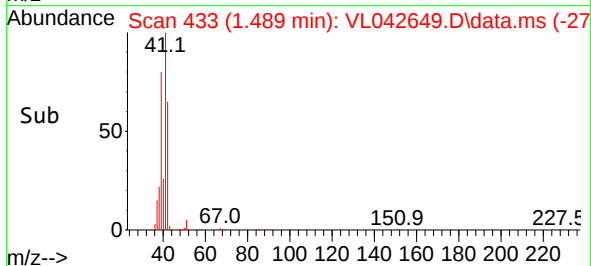
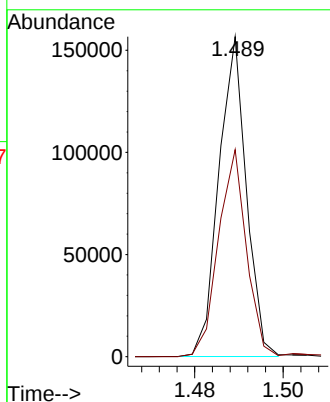
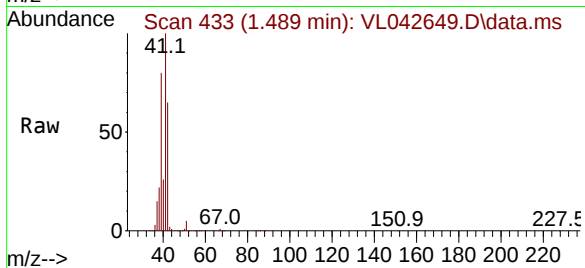
42 67.5 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#10

Heptane

Concen: 9.487 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.023 min

Lab File: VL042649.D

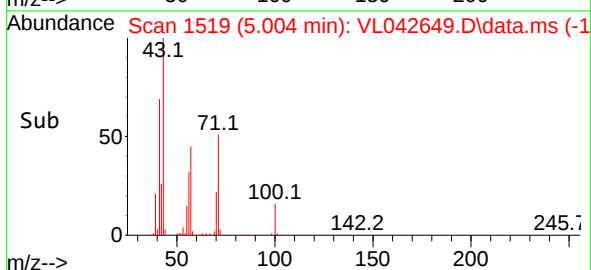
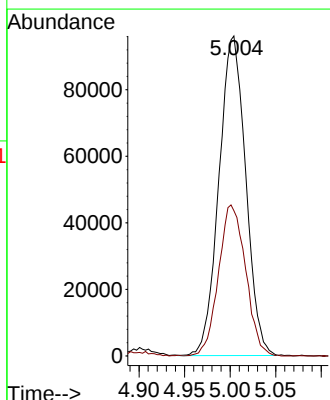
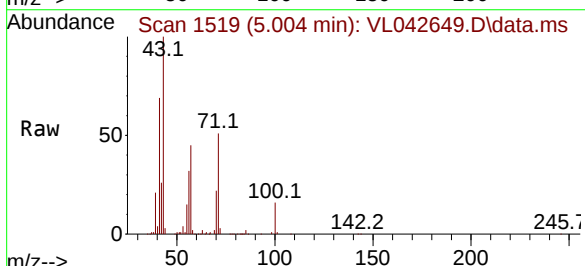
Acq: 19 Jun 2025 10:26

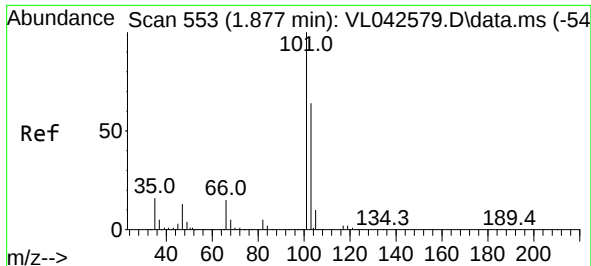
Tgt Ion: 43 Resp: 196137

Ion Ratio Lower Upper

43 100

57 48.0 38.9 58.3





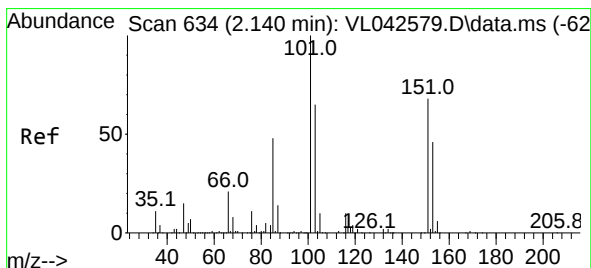
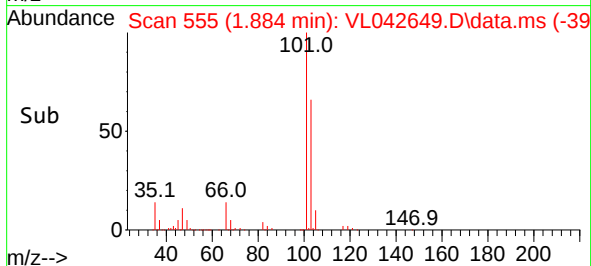
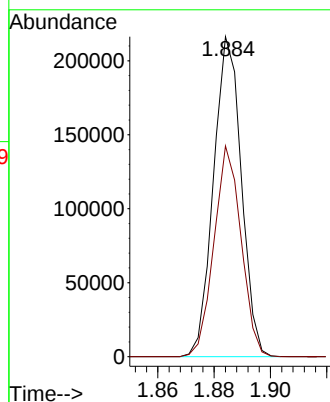
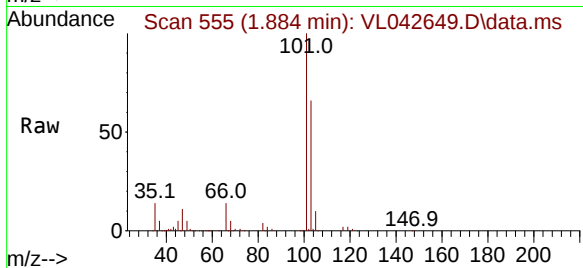
#11
Trichlorofluoromethane
Concen: 12.061 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:101 Resp: 148395
Ion Ratio Lower Upper
101 100
103 65.9 51.5 77.3

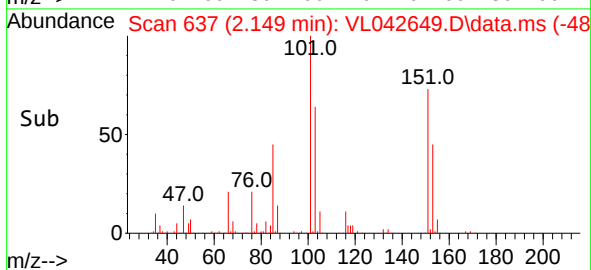
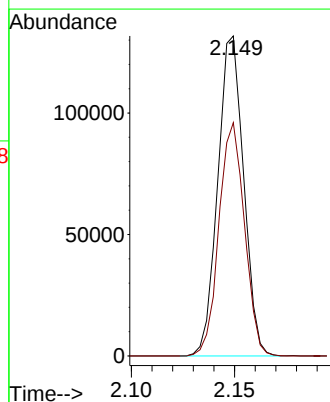
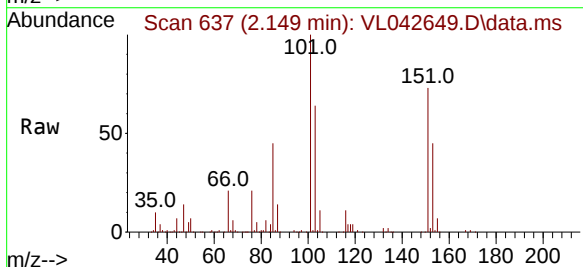
Manual Integrations
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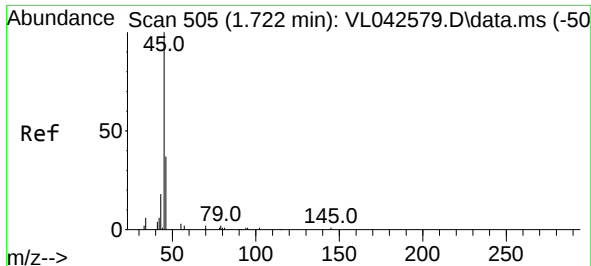
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.868 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion:101 Resp: 114662
Ion Ratio Lower Upper
101 100
151 72.0 55.3 82.9





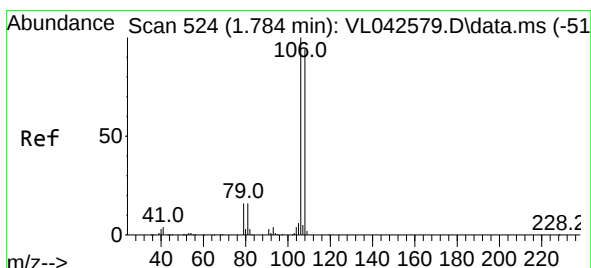
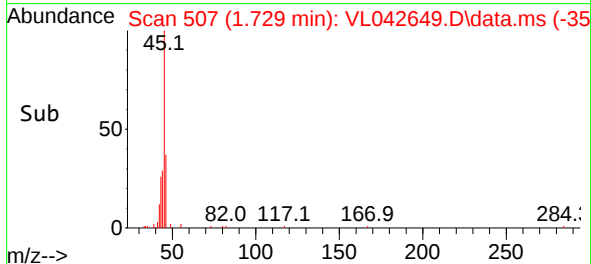
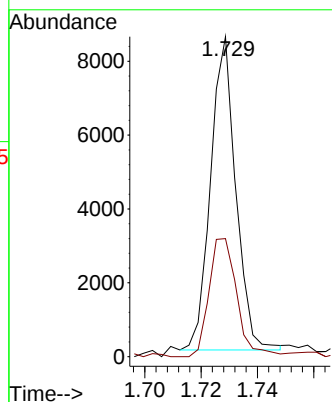
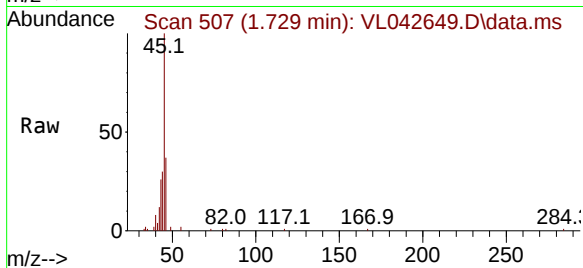
#13
Ethanol
Concen: 6.044 ppbv
RT: 1.729 min Scan# 505
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 45 Resp: 528
Ion Ratio Lower Upper
45 100
46 44.0 14.5 58.1

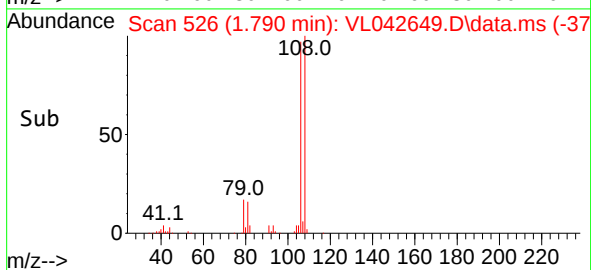
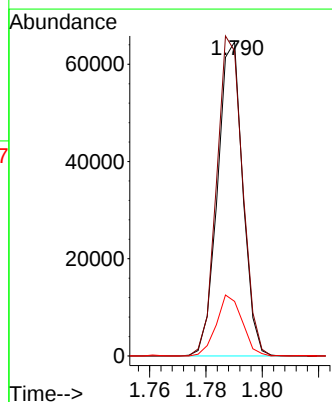
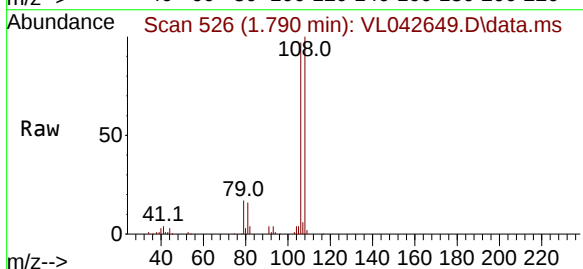
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#14
Bromoethene
Concen: 11.062 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

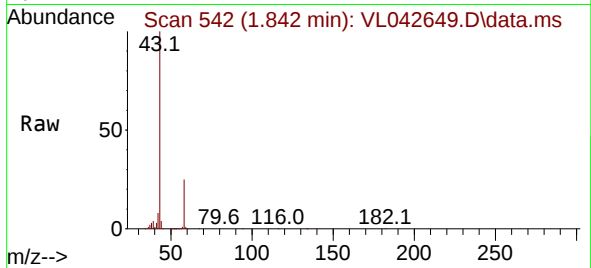
Tgt Ion:108 Resp: 40199
Ion Ratio Lower Upper
108 100
106 104.6 87.9 131.9
79 20.1 15.6 23.4





#15
Acetone
Concen: 9.145 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

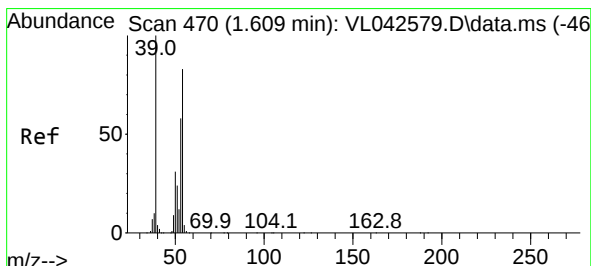
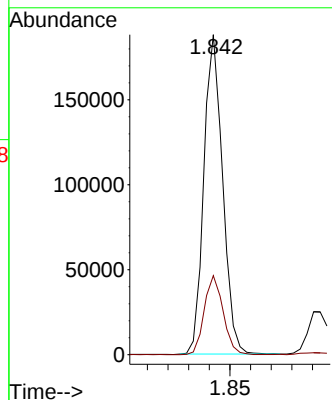
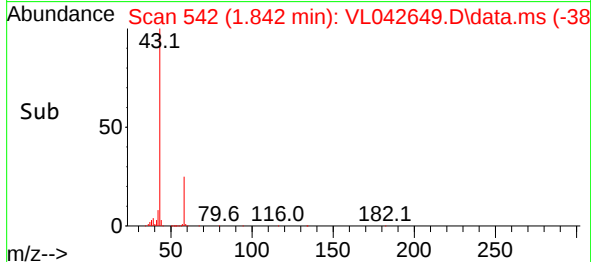
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



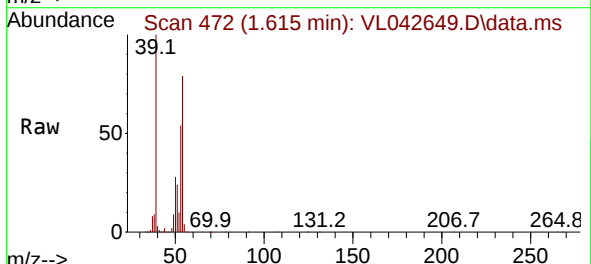
Tgt Ion: 43 Resp: 118511
Ion Ratio Lower Upper
43 100
58 24.9 21.0 31.4

Manual Integrations
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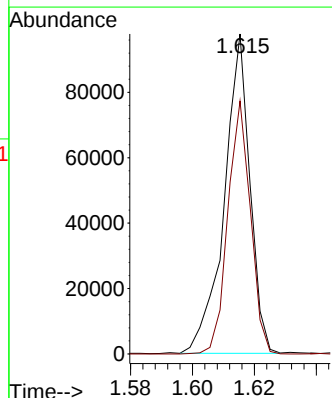
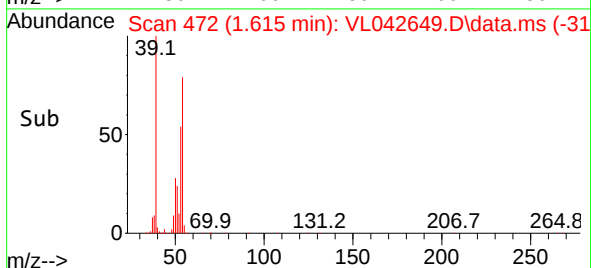
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#16
1,3-Butadiene
Concen: 9.162 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



Tgt Ion: 39 Resp: 56246
Ion Ratio Lower Upper
39 100
54 70.1 57.9 86.9





#17

tert-Butyl alcohol

Concen: 9.922 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

Tgt Ion: 59 Resp: 13396

Ion Ratio Lower Upper

59 100

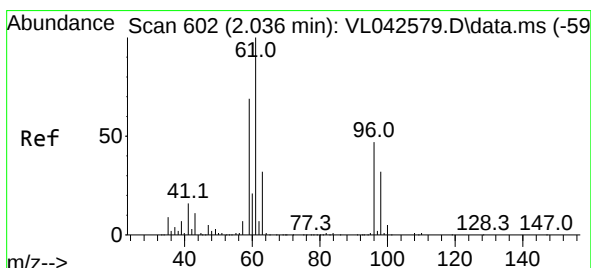
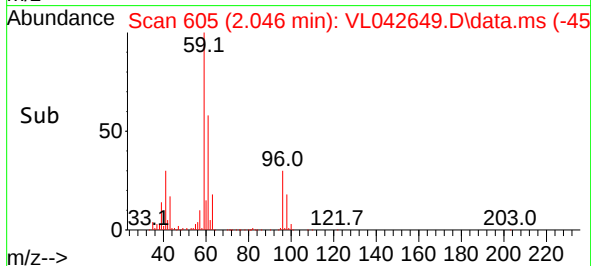
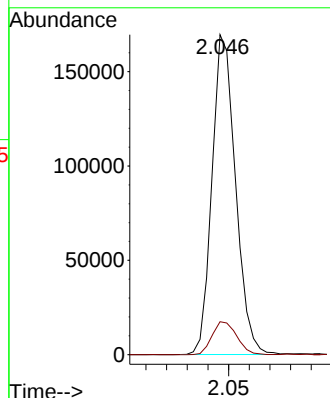
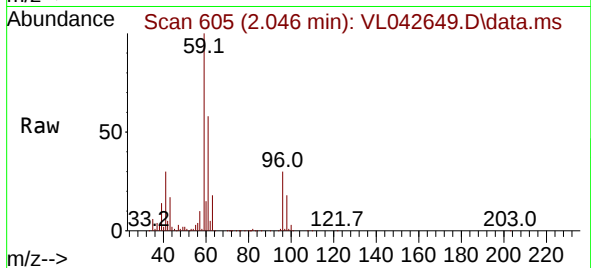
57 11.0 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#18

1,1-Dichloroethene

Concen: 10.908 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.007 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

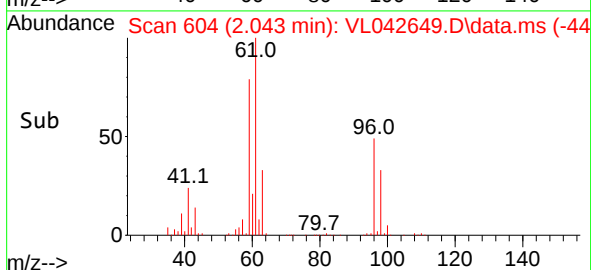
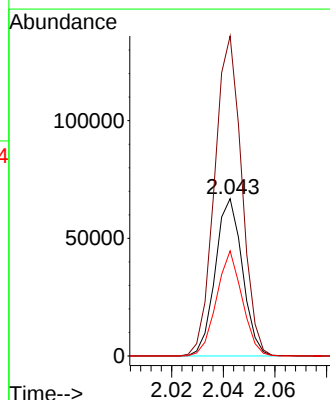
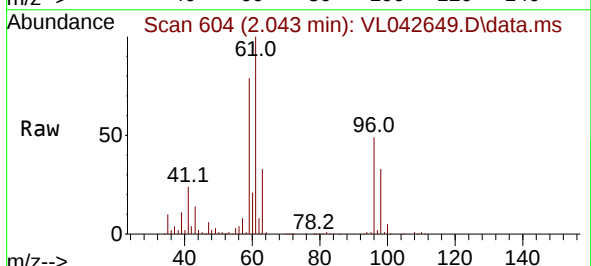
Tgt Ion: 96 Resp: 48846

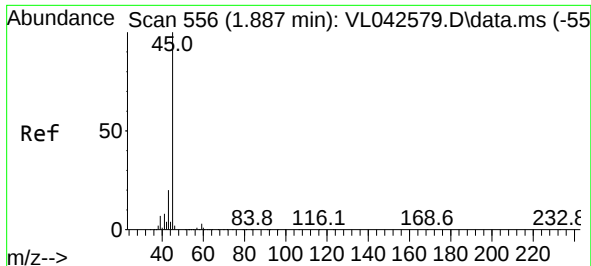
Ion Ratio Lower Upper

96 100

61 203.4 171.1 256.7

98 66.8 54.4 81.6





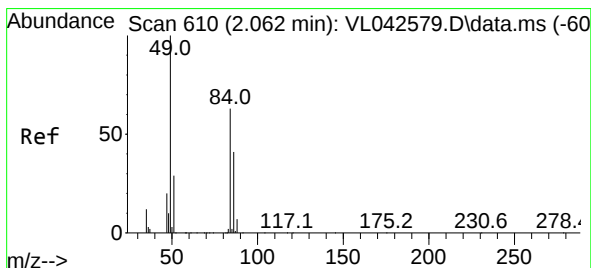
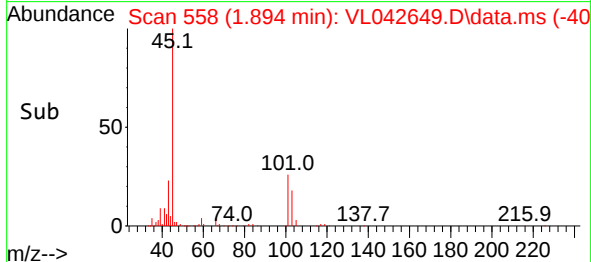
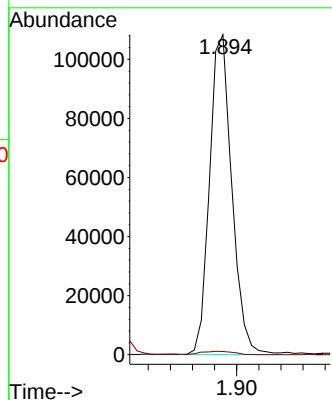
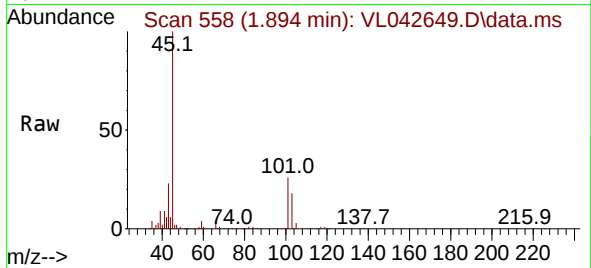
#19
Isopropyl Alcohol
Concen: 9.772 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 45 Resp: 75712
Ion Ratio Lower Upper
45 100
58 39.1 29.4 44.2

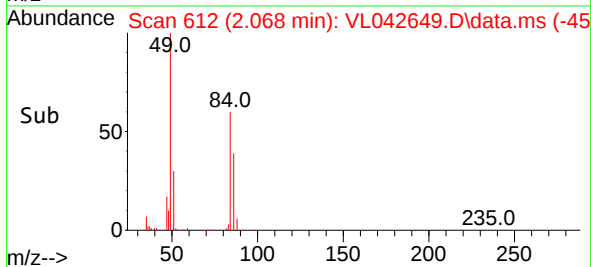
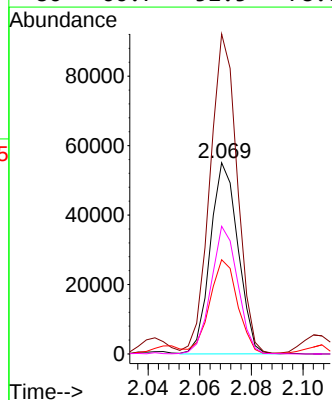
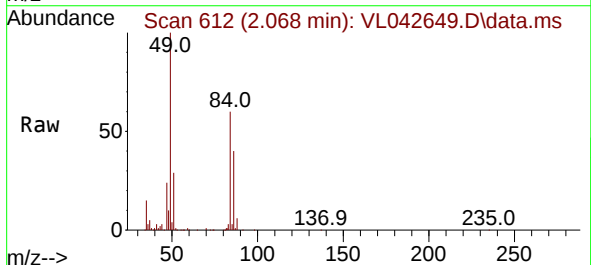
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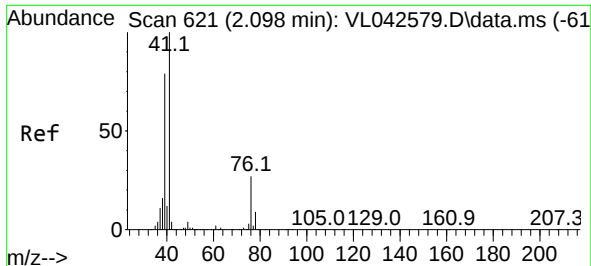
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#20
Methylene Chloride
Concen: 9.587 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 84 Resp: 41003
Ion Ratio Lower Upper
84 100
49 167.0 128.8 193.2
51 48.9 38.6 57.8
86 66.7 52.5 78.7





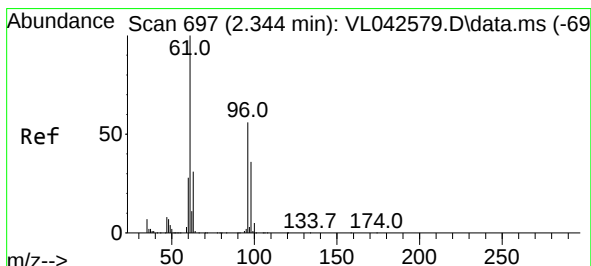
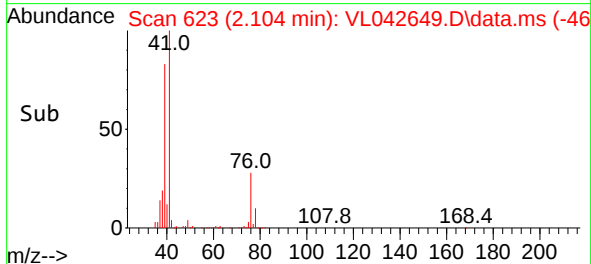
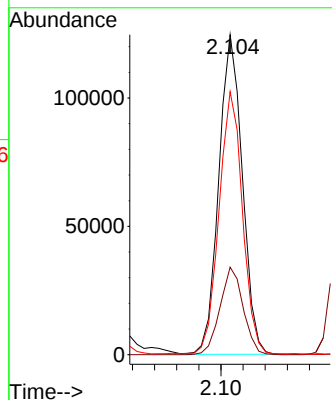
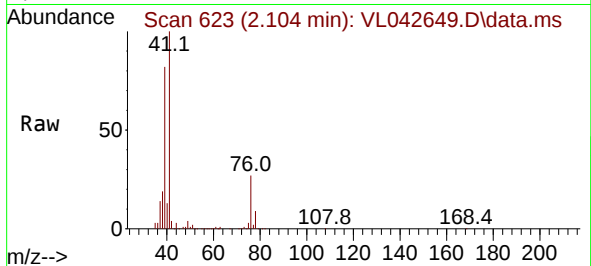
#21
 Allyl Chloride
 Concen: 10.047 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABS01

Tgt Ion: 41 Resp: 9187
 Ion Ratio Lower Upper
 41 100
 76 26.9 21.2 31.8
 39 82.1 60.9 91.3

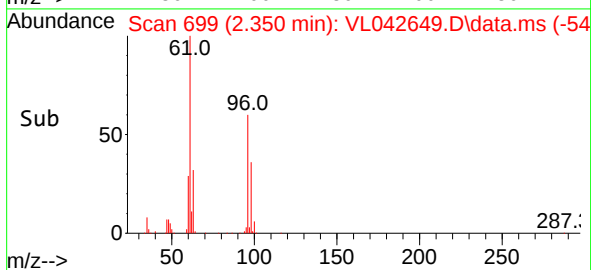
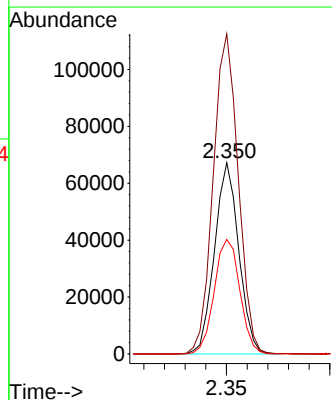
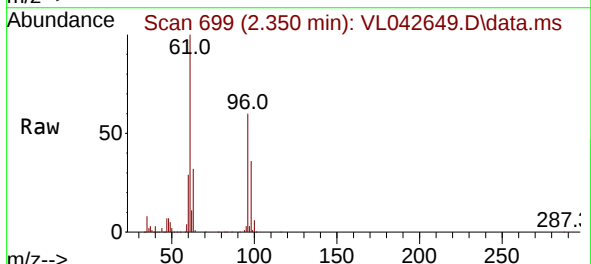
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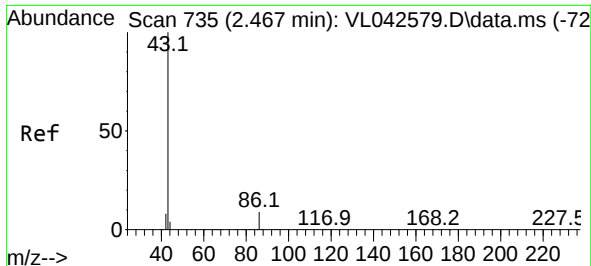
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.978 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.007 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

Tgt Ion: 96 Resp: 54912
 Ion Ratio Lower Upper
 96 100
 61 167.2 142.6 214.0
 98 60.0 51.0 76.4





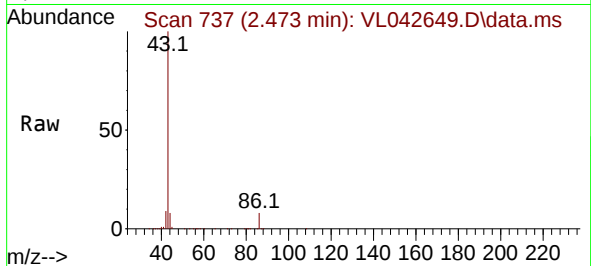
#23
 Vinyl Acetate
 Concen: 12.351 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.007 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

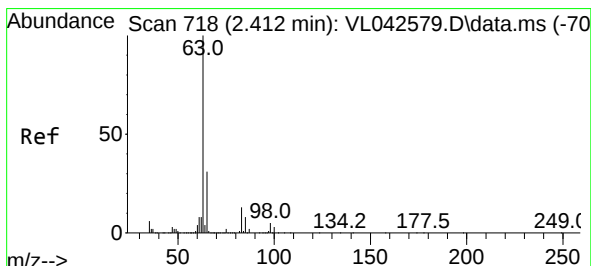
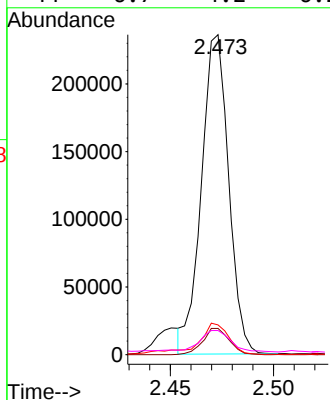
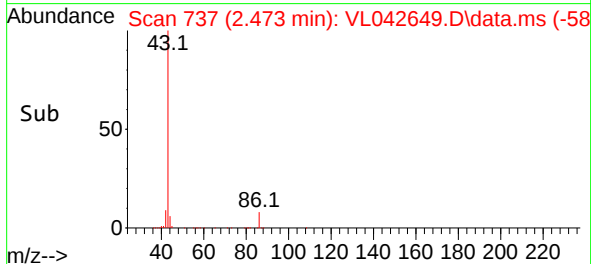


Tgt Ion: 43 Resp: 216370
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 9.8
 42 9.2 7.0 10.4
 44 6.7 4.2 6.2#

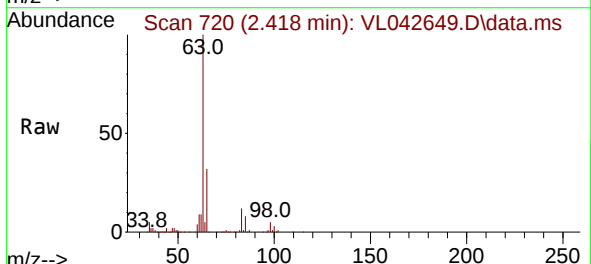
Manual Integrations

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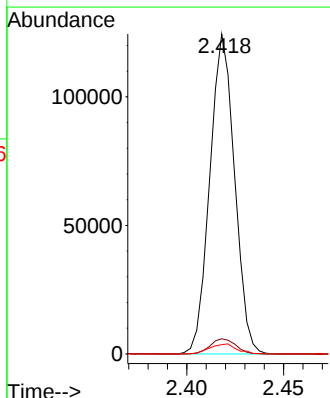
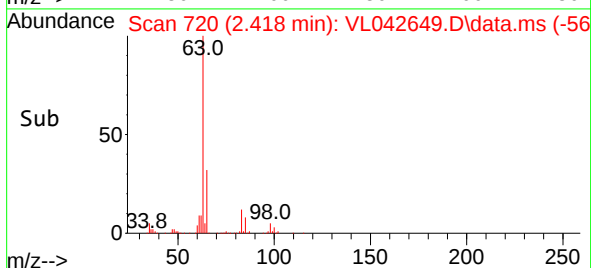
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

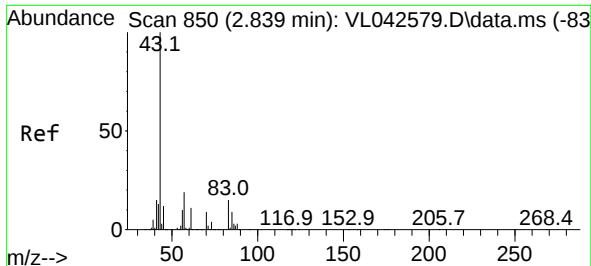


#24
 1,1-Dichloroethane
 Concen: 10.756 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26



Tgt Ion: 63 Resp: 110695
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.4 7.1
 100 2.9 1.4 4.0





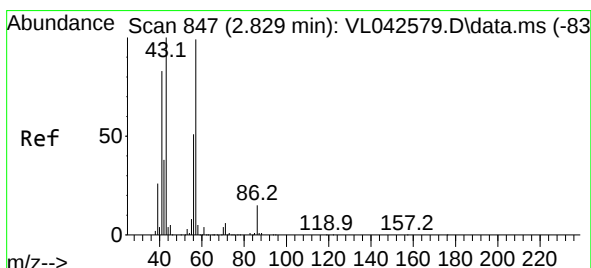
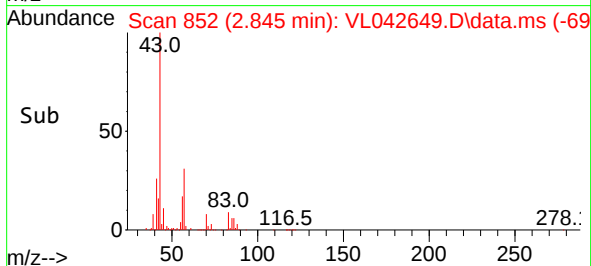
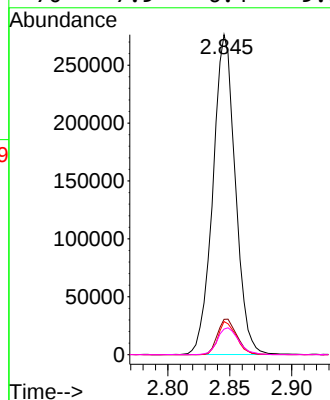
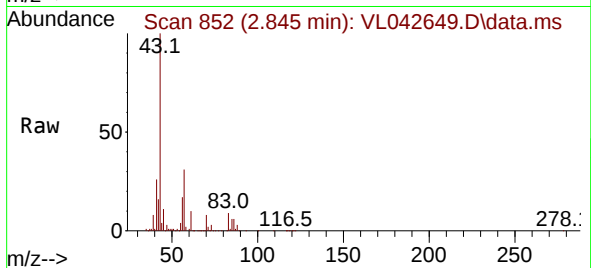
#25
Ethyl Acetate
Concen: 9.815 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 43 Resp: 34811
Ion Ratio Lower Upper
43 100
45 9.8 8.2 12.2
61 8.5 7.1 10.7
70 7.9 6.4 9.6

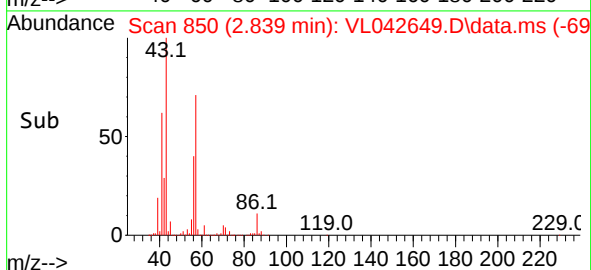
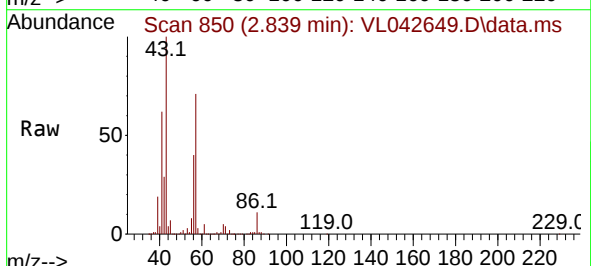
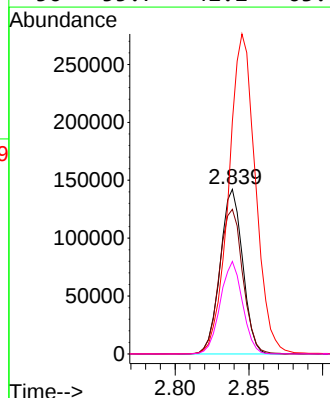
Manual Integrations
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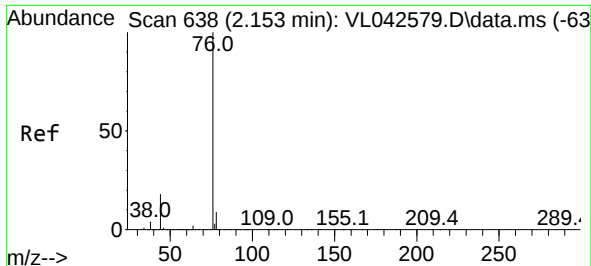
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#26
Hexane
Concen: 9.352 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

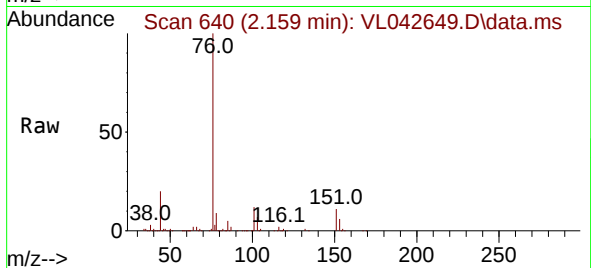
Tgt Ion: 57 Resp: 150708
Ion Ratio Lower Upper
57 100
41 92.9 70.6 106.0
43 232.0 181.1 271.7
56 55.7 42.2 63.4





#27
Carbon Disulfide
Concen: 10.818 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.006 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

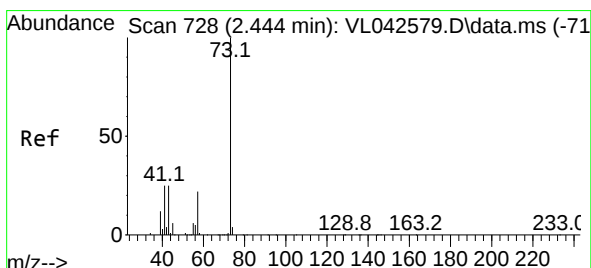
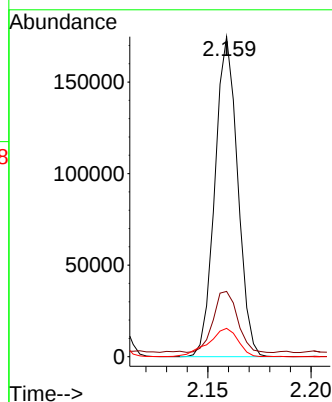
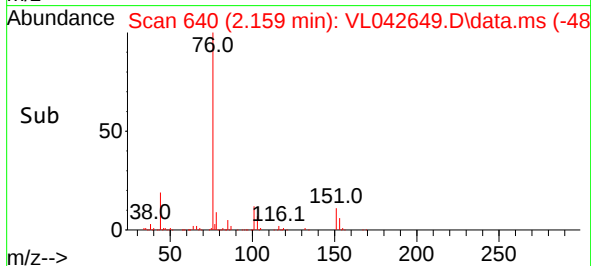
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



Tgt Ion: 76 Resp: 13383
Ion Ratio Lower Upper
76 100
44 21.1 21.3 31.9
78 11.6 9.4 14.0

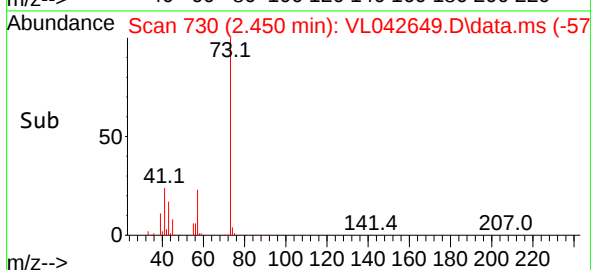
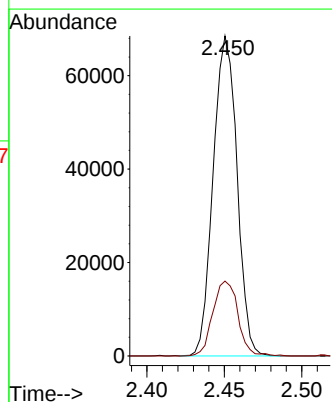
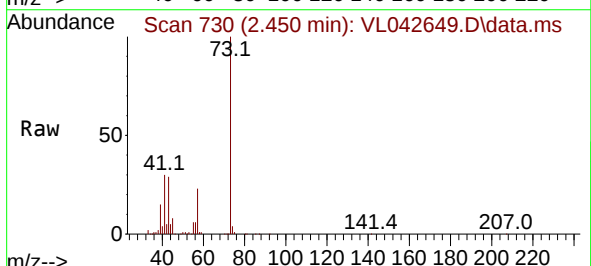
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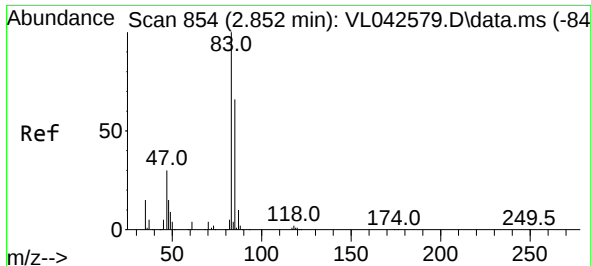
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#28
Methyl tert-Butyl Ether
Concen: 11.225 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.006 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 73 Resp: 73405
Ion Ratio Lower Upper
73 100
57 24.6 19.9 29.9





#29

Chloroform

Concen: 10.702 ppbv

RT: 2.858 min Scan# 856

Delta R.T. 0.006 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

Tgt Ion: 83 Resp: 224279

Ion Ratio Lower Upper

83 100

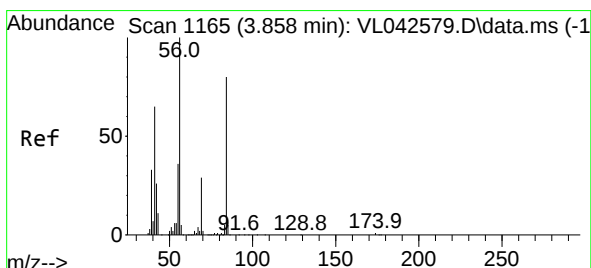
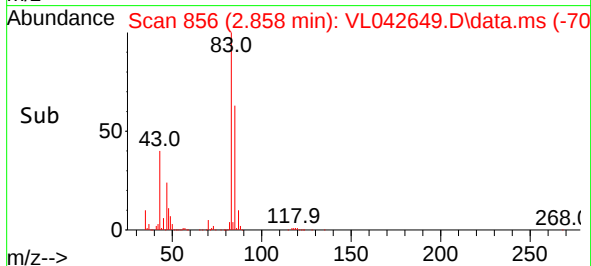
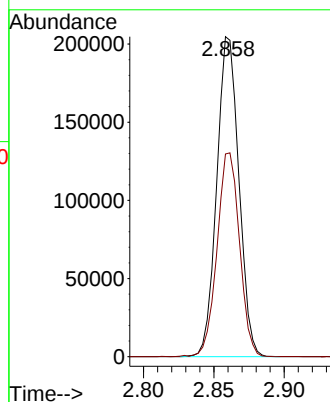
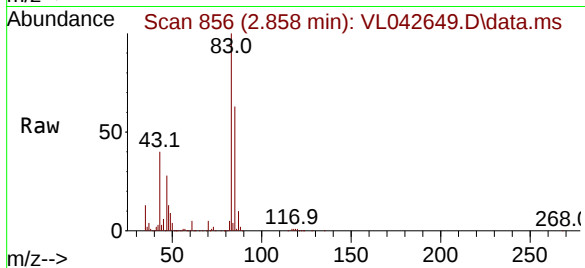
85 63.3 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#30

Cyclohexane

Concen: 9.127 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.013 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

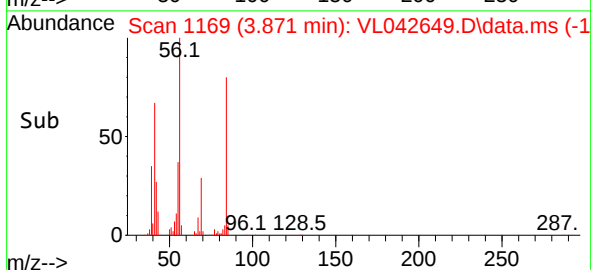
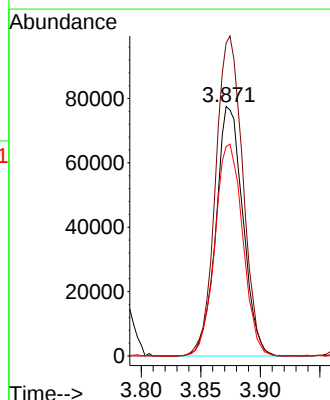
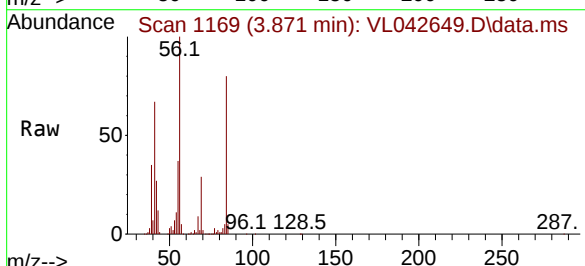
Tgt Ion: 84 Resp: 121943

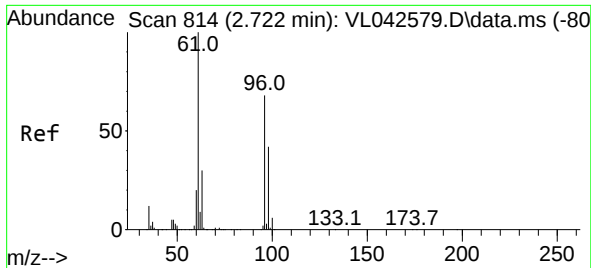
Ion Ratio Lower Upper

84 100

56 128.9 103.7 155.5

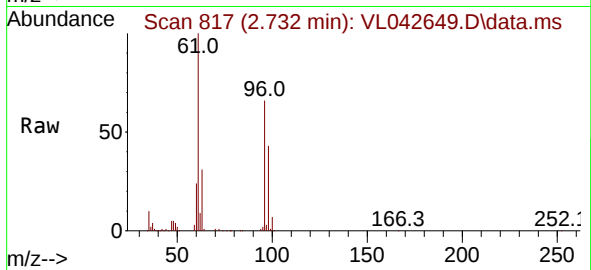
41 87.7 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.703 ppbv
 RT: 2.732 min Scan# 814
 Delta R.T. 0.010 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

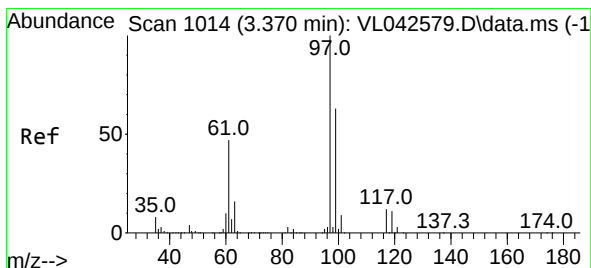
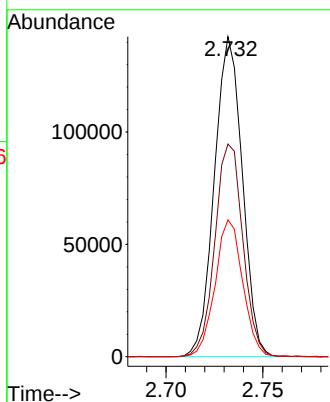
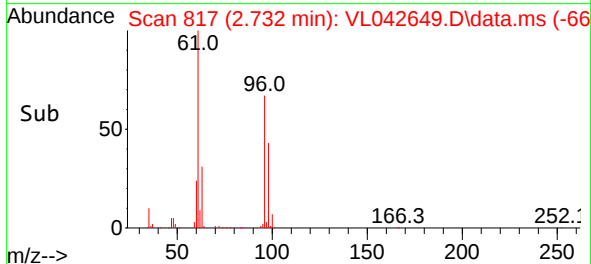
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABS01



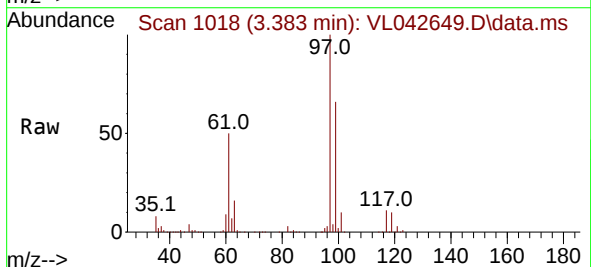
Tgt Ion: 61 Resp: 143034
 Ion Ratio Lower Upper
 61 100
 96 66.4 54.5 81.7
 98 42.7 33.4 50.2

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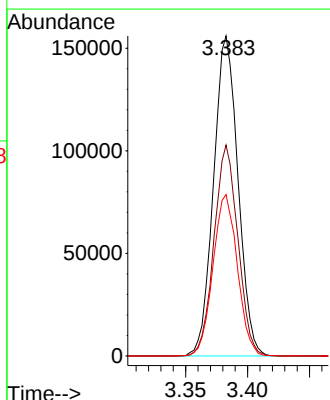
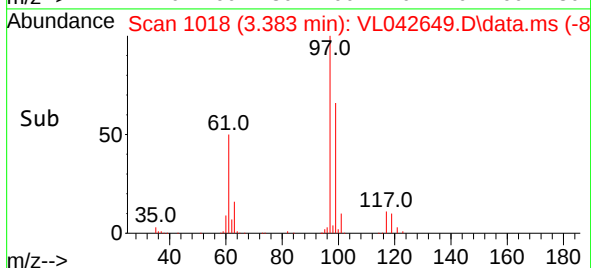
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#32
 1,1,1-Trichloroethane
 Concen: 10.022 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.013 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26



Tgt Ion: 97 Resp: 214588
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 50.4 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1197

Delta R.T. 0.013 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

Tgt Ion:114 Resp: 27711

Ion Ratio Lower Upper

114 100

63 25.9 19.0 28.6

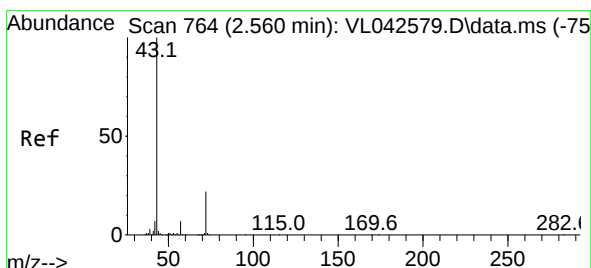
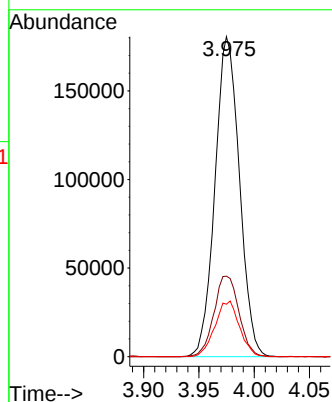
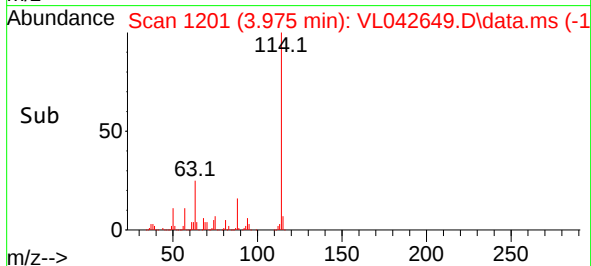
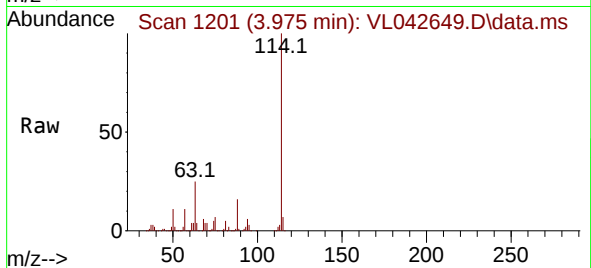
88 17.5 13.6 20.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#34

2-Butanone

Concen: 11.663 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.007 min

Lab File: VL042649.D

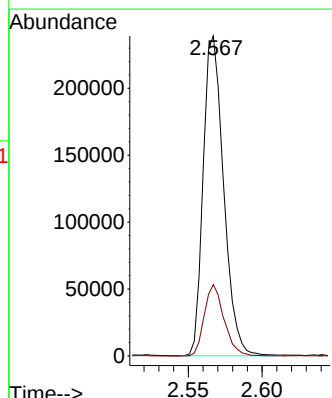
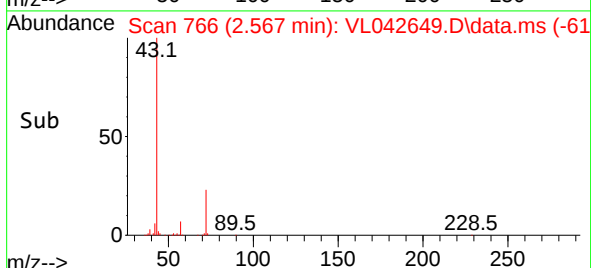
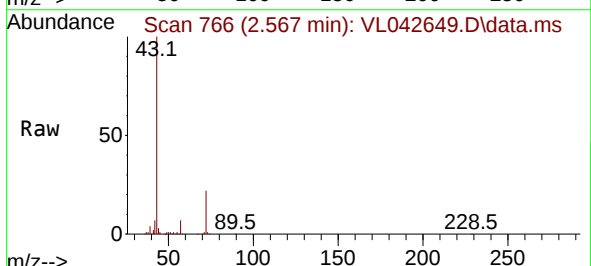
Acq: 19 Jun 2025 10:26

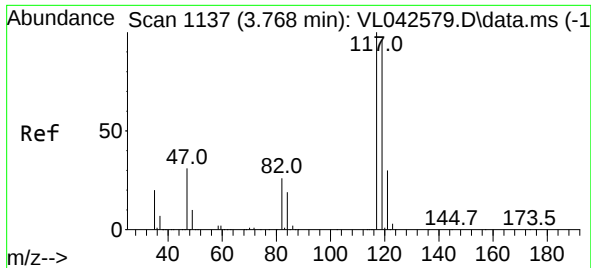
Tgt Ion: 43 Resp: 230485

Ion Ratio Lower Upper

43 100

72 21.6 17.7 26.5





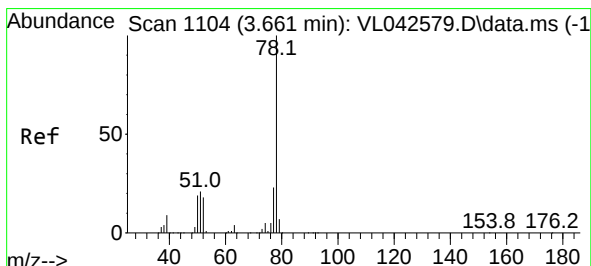
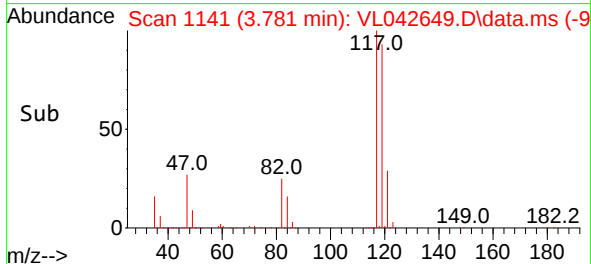
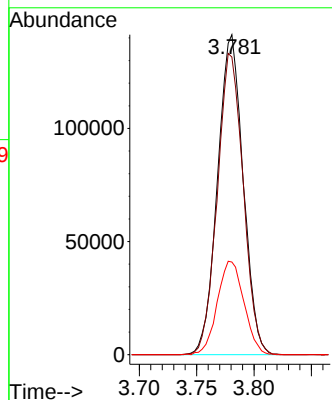
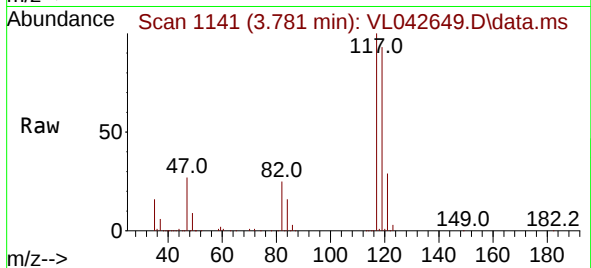
#35
Carbon Tetrachloride
Concen: 12.000 ppbv
RT: 3.781 min Scan# 1137
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:117 Resp: 219519
Ion Ratio Lower Upper
117 100
119 93.0 76.8 115.2
121 29.0 24.3 36.5

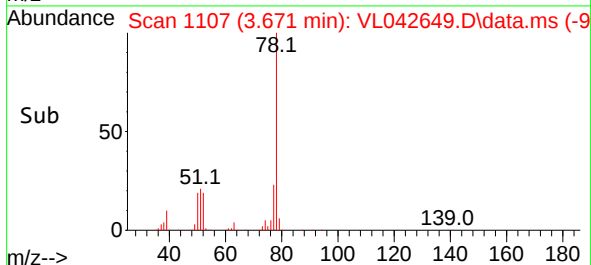
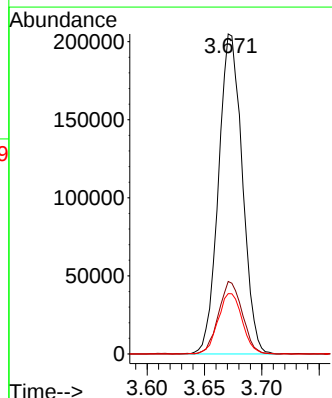
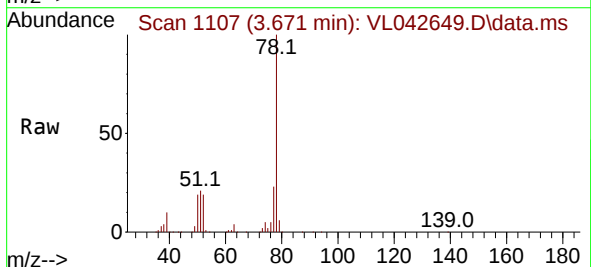
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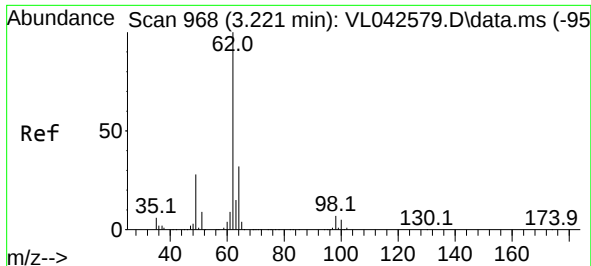
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#36
Benzene
Concen: 10.816 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 78 Resp: 295149
Ion Ratio Lower Upper
78 100
77 22.6 18.2 27.2
50 18.8 15.2 22.8





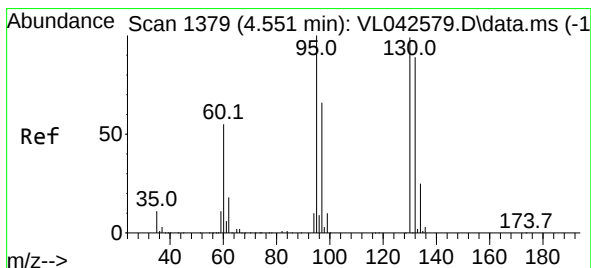
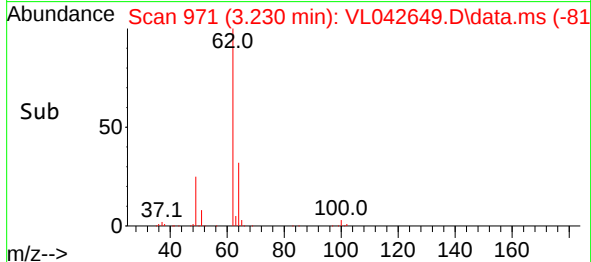
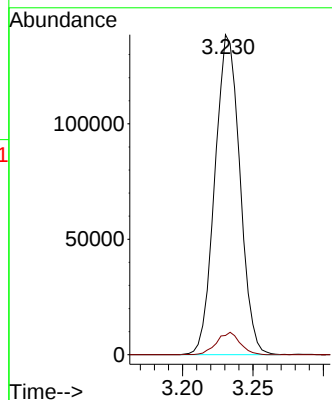
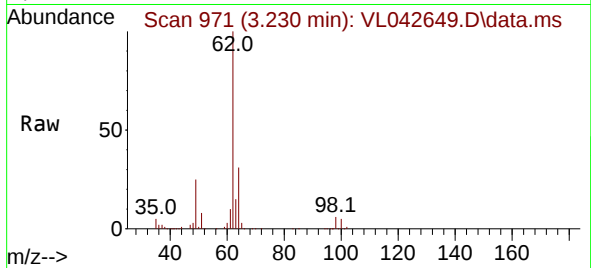
#37
1,2-Dichloroethane
Concen: 12.625 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 62 Resp: 171230
Ion Ratio Lower Upper
62 100
98 6.6 6.1 9.1

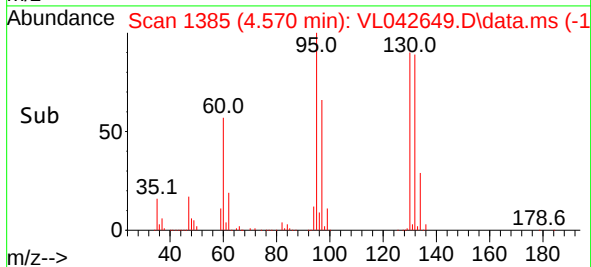
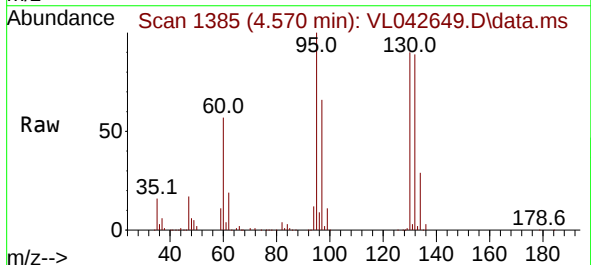
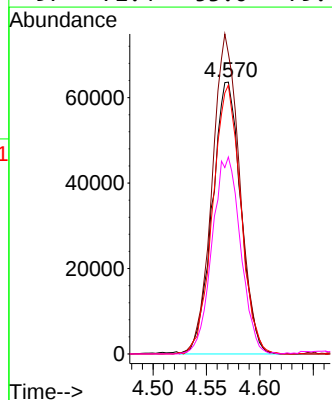
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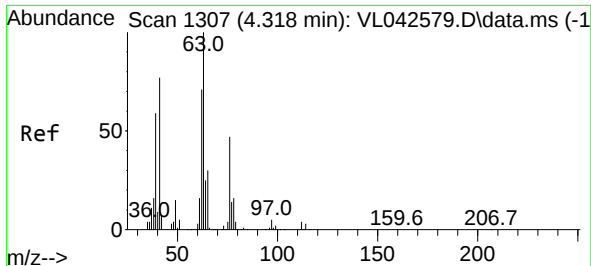
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#38
Trichloroethene
Concen: 10.150 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.019 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion:130 Resp: 117728
Ion Ratio Lower Upper
130 100
95 110.5 80.6 121.0
132 98.7 71.8 107.6
97 72.4 53.0 79.4





#39

1,2-Dichloropropane

Concen: 10.949 ppbv

RT: 4.331 min Scan# 110494

Delta R.T. 0.013 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

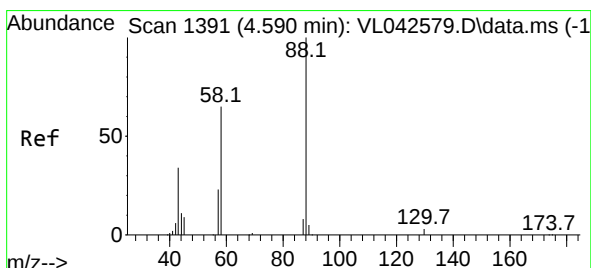
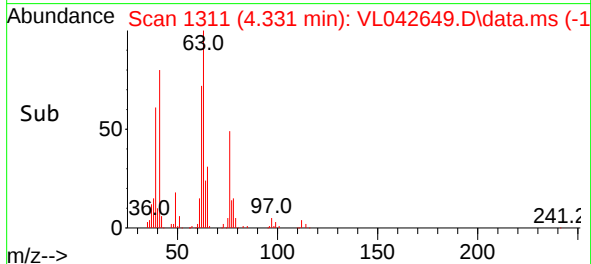
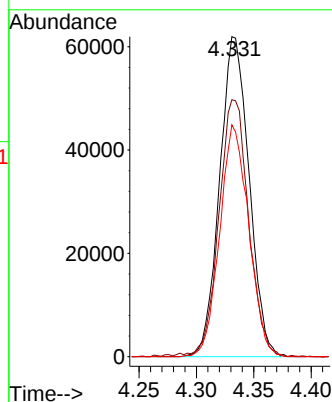
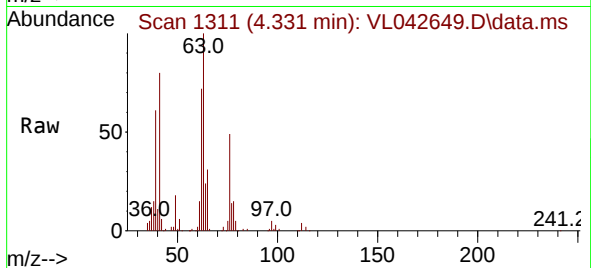
Tgt Ion: 63 Resp: 110494

Ion	Ratio	Lower	Upper
63	100		
41	80.0	61.8	92.6
62	72.5	56.6	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#40

1,4-Dioxane

Concen: 10.297 ppbv

RT: 4.596 min Scan# 1393

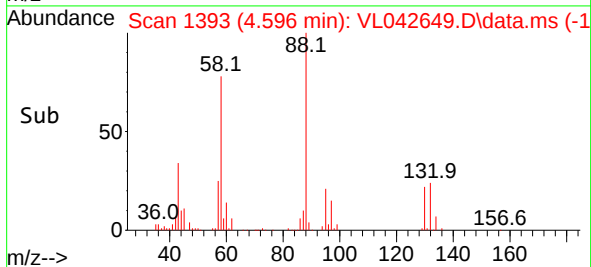
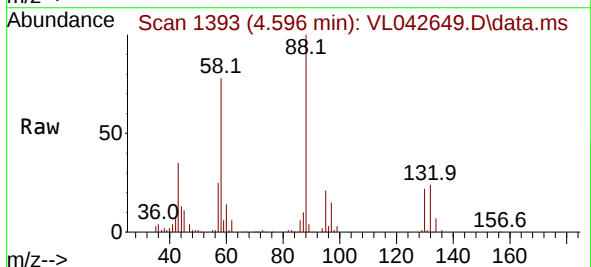
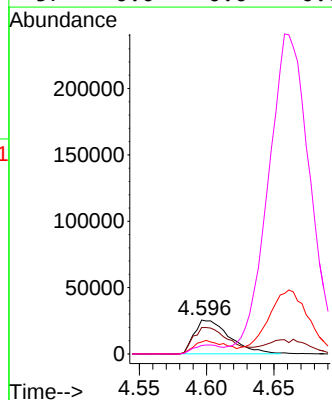
Delta R.T. 0.007 min

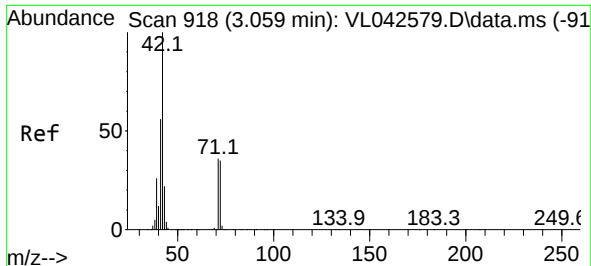
Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Tgt Ion: 88 Resp: 46497

Ion	Ratio	Lower	Upper
88	100		
58	76.2	55.8	83.8
43	40.4	24.8	37.2
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.599 ppbv

RT: 3.065 min Scan# 918

Delta R.T. 0.007 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

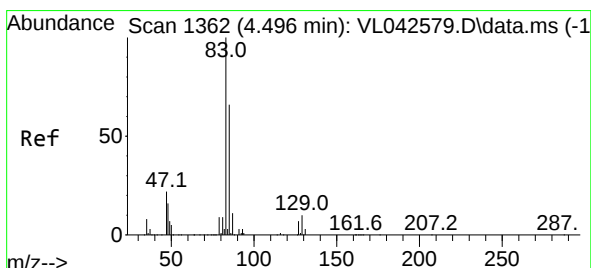
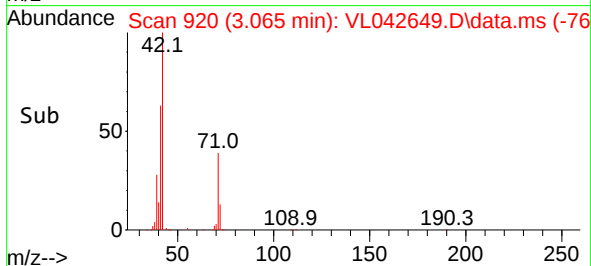
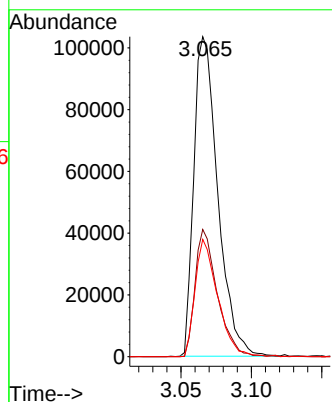
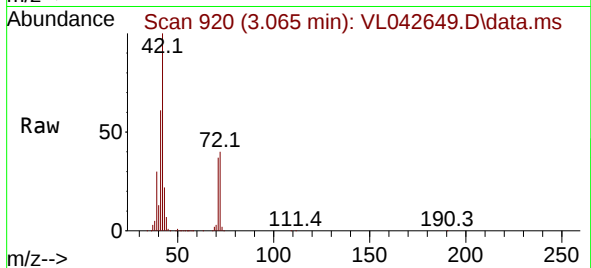
Tgt Ion: 42 Resp: 122612

Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.9	43.3
71	34.7	28.5	42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#42

Bromodichloromethane

Concen: 12.314 ppbv

RT: 4.509 min Scan# 1366

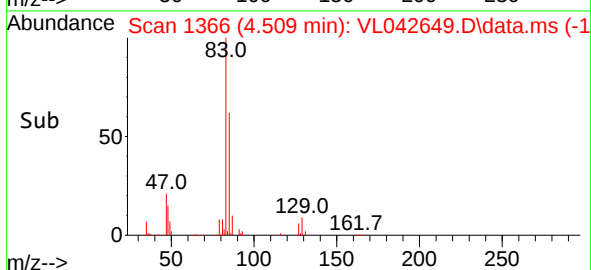
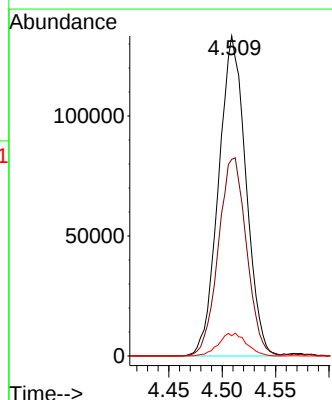
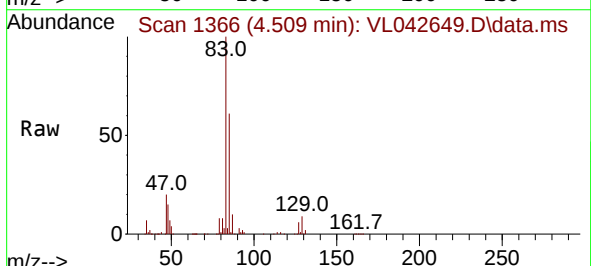
Delta R.T. 0.013 min

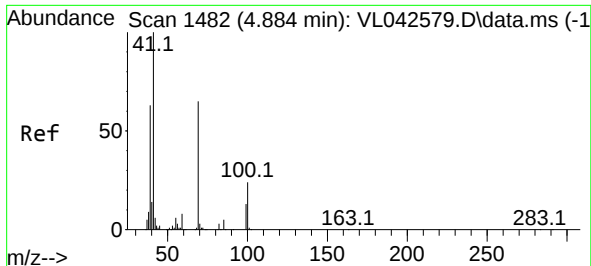
Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Tgt Ion: 83 Resp: 237205

Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.7	79.1
127	6.3	5.8	8.6





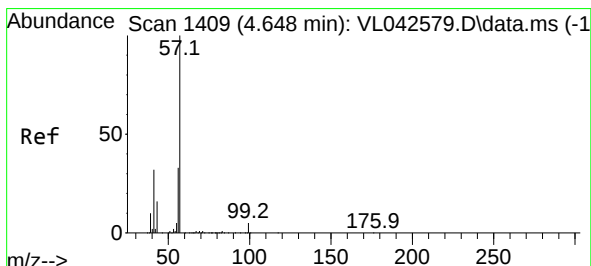
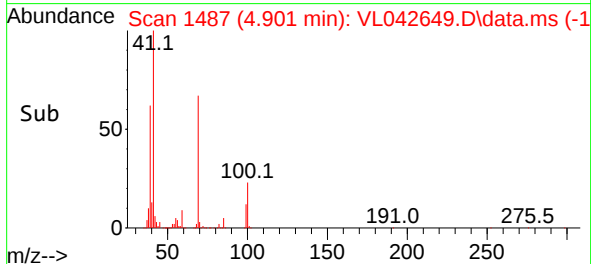
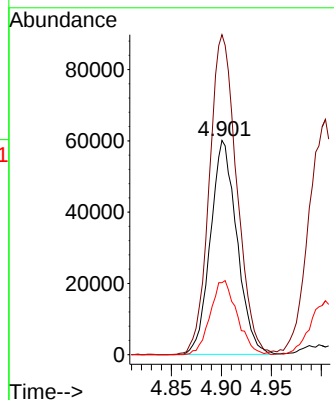
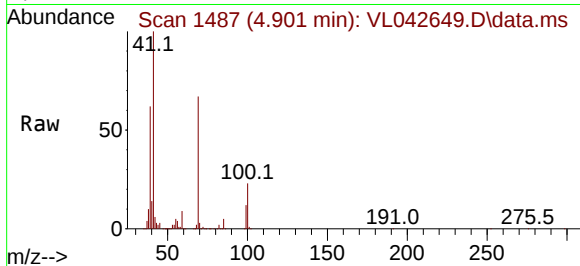
#43
Methyl Methacrylate
Concen: 10.443 ppbv
RT: 4.901 min Scan# 1412
Delta R.T. 0.016 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 69 Resp: 110610
Ion Ratio Lower Upper
69 100
41 155.2 124.6 187.0
100 35.2 29.9 44.9

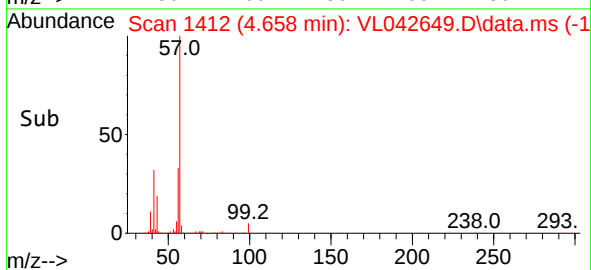
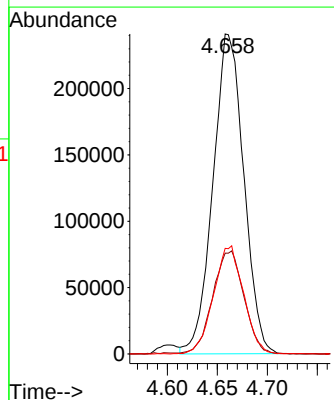
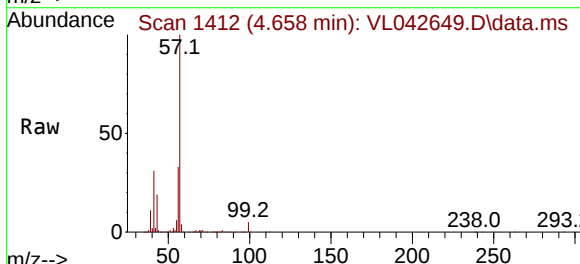
Manual Integrations
APPROVED

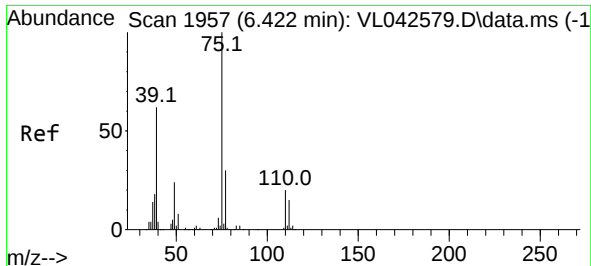
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#44
2,2,4-Trimethylpentane
Concen: 11.070 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 57 Resp: 516730
Ion Ratio Lower Upper
57 100
41 33.2 26.1 39.1
56 33.1 25.9 38.9





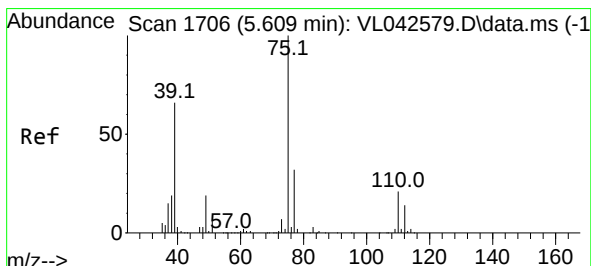
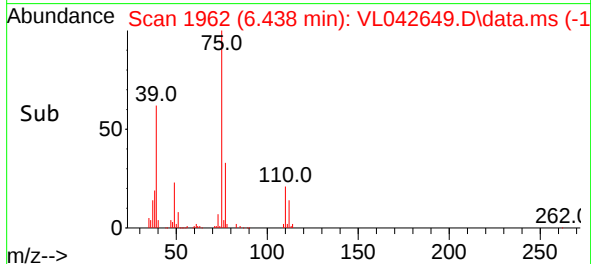
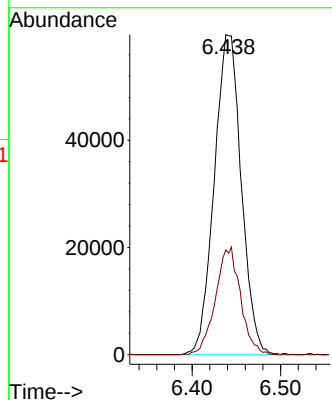
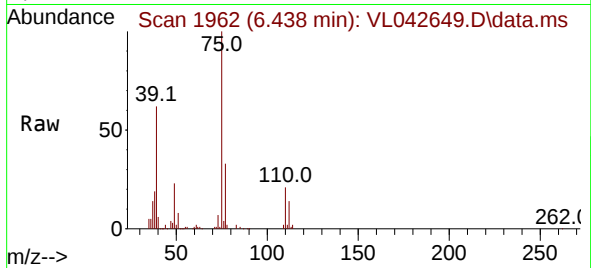
#45
t-1,3-Dichloropropene
Concen: 10.454 ppbv
RT: 6.438 min Scan# 1957
Delta R.T. 0.016 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 75 Resp: 12670
Ion Ratio Lower Upper
75 100
77 32.7 24.2 36.2

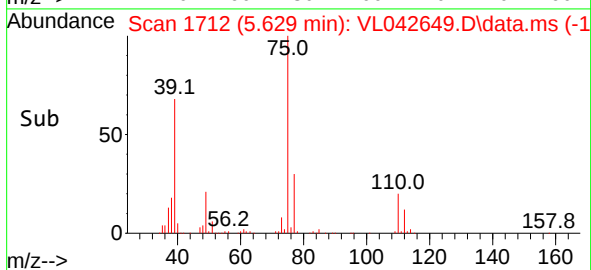
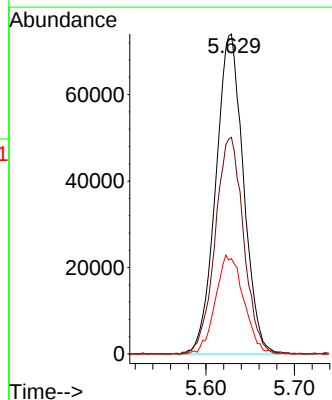
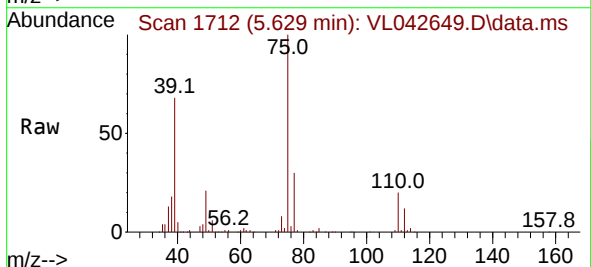
Manual Integrations
APPROVED

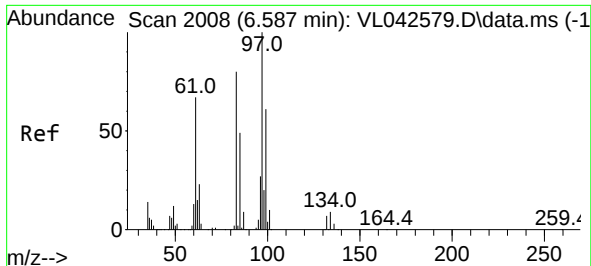
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#46
cis-1,3-Dichloropropene
Concen: 10.593 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. 0.019 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

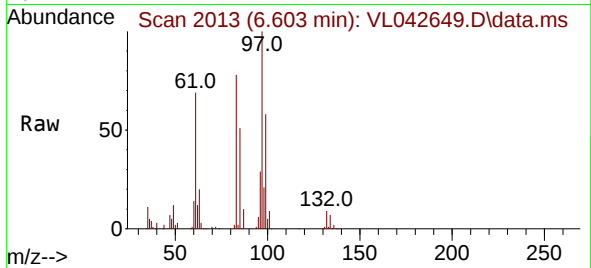
Tgt Ion: 75 Resp: 160871
Ion Ratio Lower Upper
75 100
39 67.7 52.7 79.1
77 29.8 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 11.520 ppbv
RT: 6.603 min Scan# 2008
Delta R.T. 0.016 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

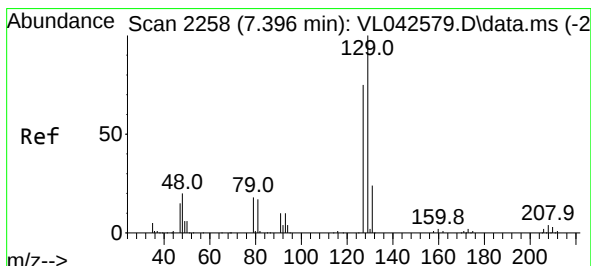
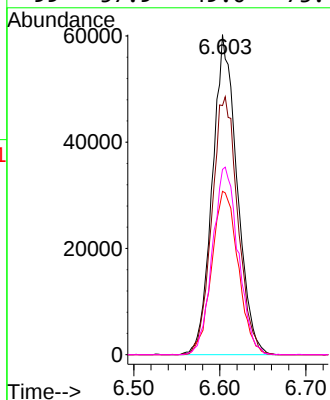
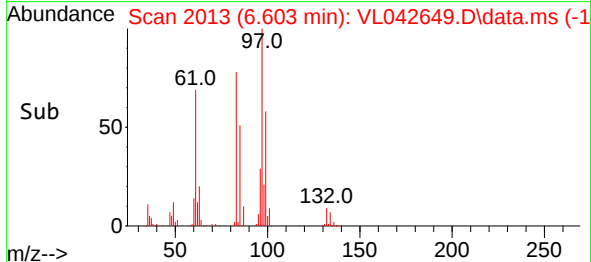
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



Tgt Ion: 97 Resp: 12034
Ion Ratio Lower Upper
97 100
83 77.9 63.9 95.9
85 51.0 39.2 58.8
99 57.9 49.0 73.4

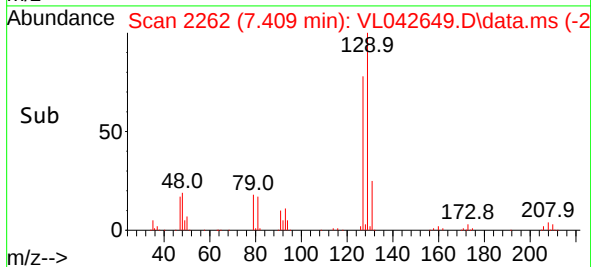
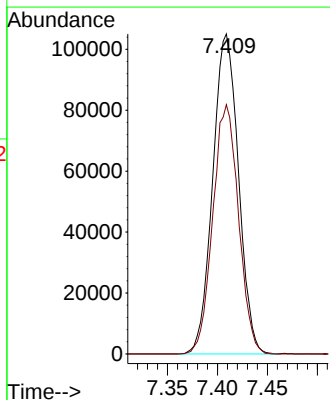
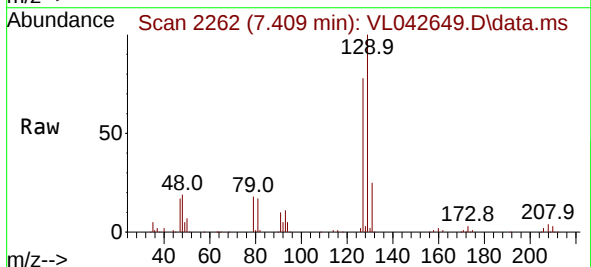
Manual Integrations
APPROVED

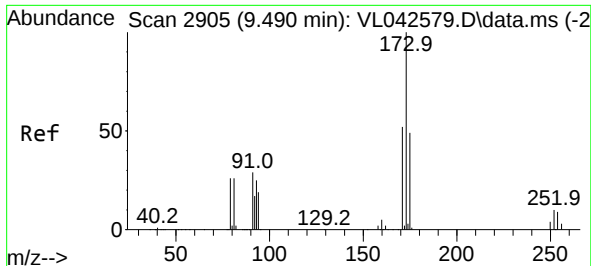
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#48
Dibromochloromethane
Concen: 11.251 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

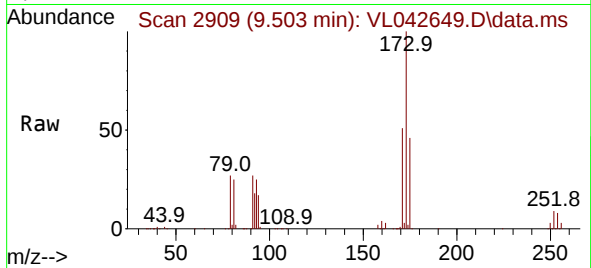
Tgt Ion:129 Resp: 188153
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9





#49
Bromoform
Concen: 11.251 ppbv
RT: 9.503 min Scan# 2905
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

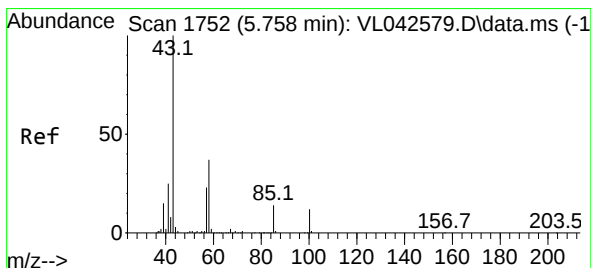
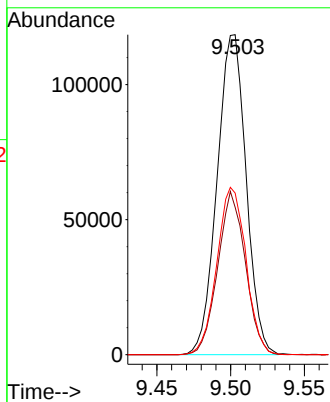
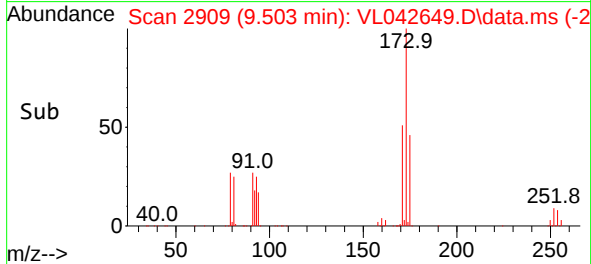
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



Tgt Ion:173 Resp: 16234
Ion Ratio Lower Upper
173 100
175 48.5 38.7 58.1
171 52.5 41.2 61.8

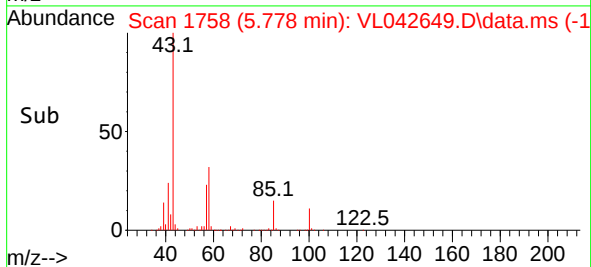
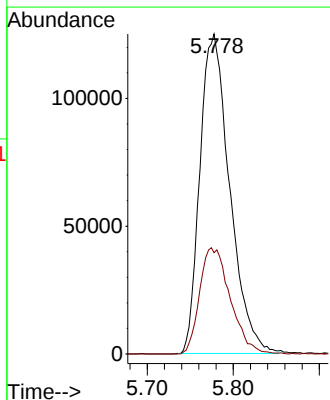
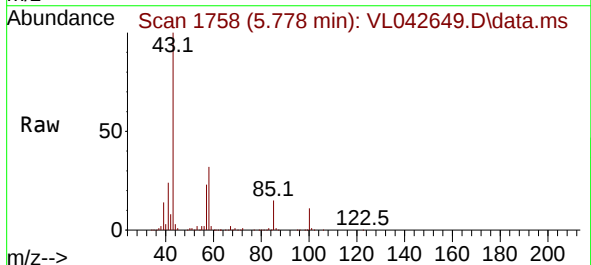
Manual Integrations
APPROVED

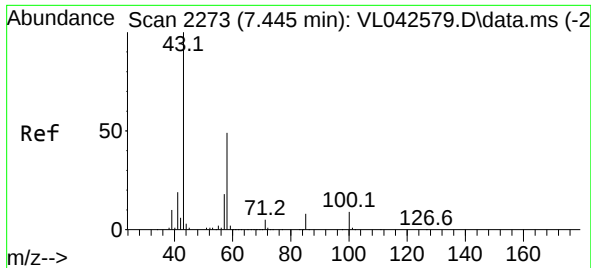
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#50
4-Methyl-2-Pentanone
Concen: 10.974 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

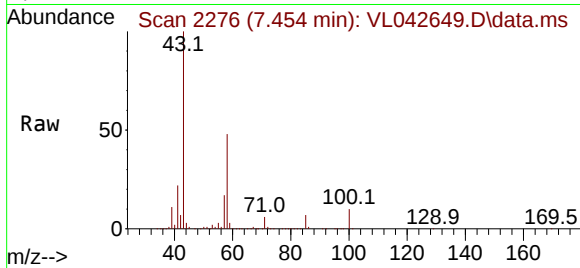
Tgt Ion: 43 Resp: 300801
Ion Ratio Lower Upper
43 100
58 34.3 28.3 42.5





#51
2-Hexanone
Concen: 10.935 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

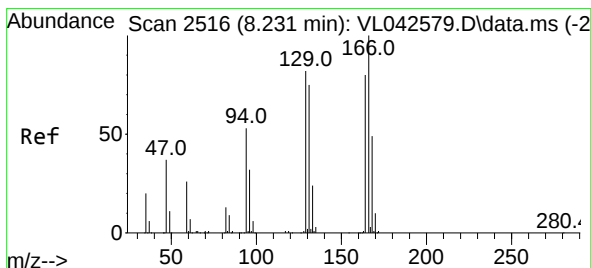
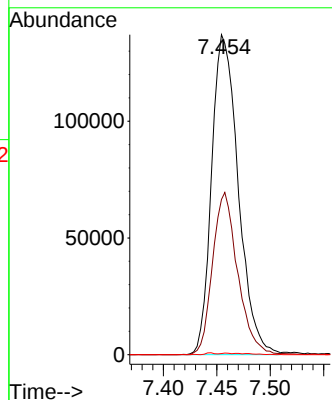
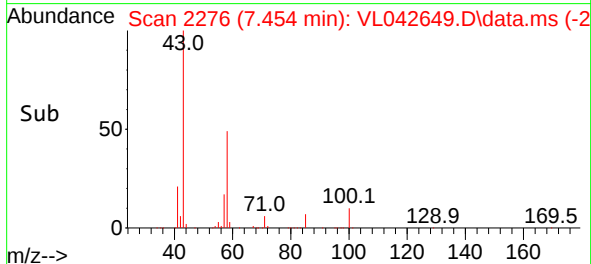
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



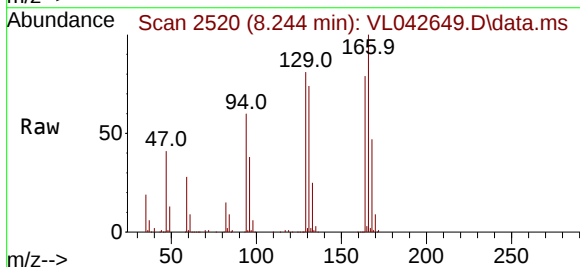
Tgt Ion: 43 Resp: 237712
Ion Ratio Lower Upper
43 100
58 47.9 39.9 59.9
98 0.7 0.1 0.1

Manual Integrations
APPROVED

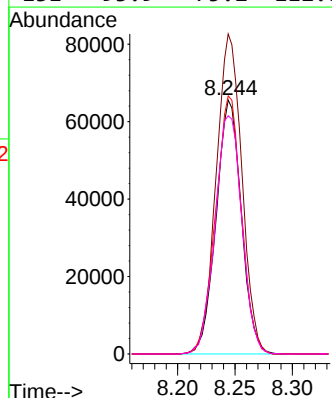
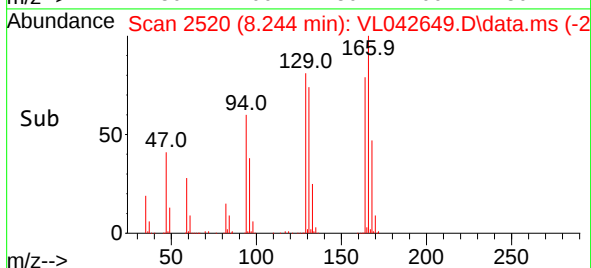
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

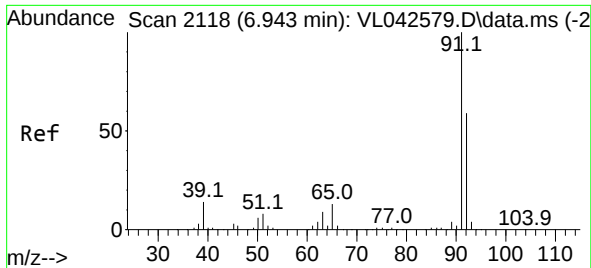


#52
Tetrachloroethene
Concen: 9.816 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



Tgt Ion:164 Resp: 100098
Ion Ratio Lower Upper
164 100
166 126.0 100.0 150.0
129 101.6 82.2 123.4
131 93.9 75.2 112.8





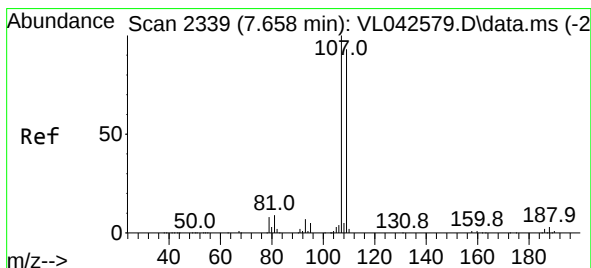
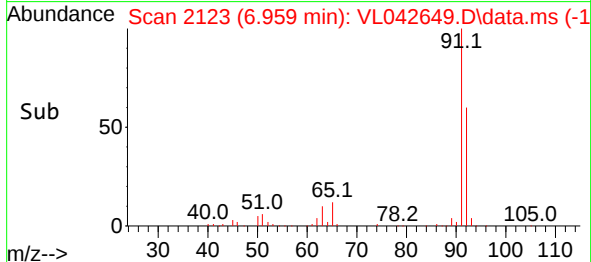
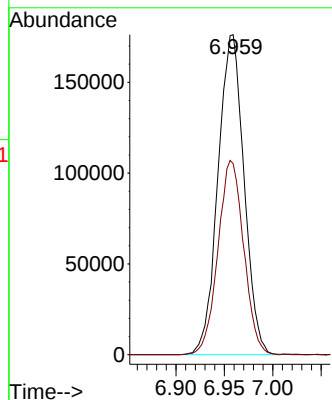
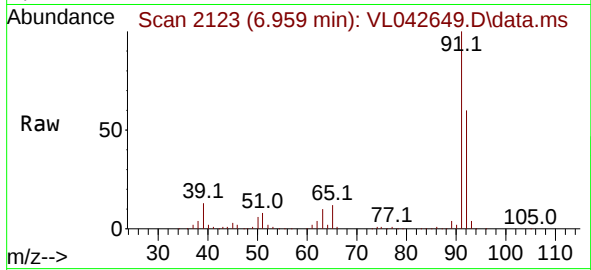
#53
Toluene
Concen: 10.467 ppbv
RT: 6.959 min Scan# 2118
Delta R.T. 0.016 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 91 Resp: 33013
Ion Ratio Lower Upper
91 100
92 60.0 48.2 72.4

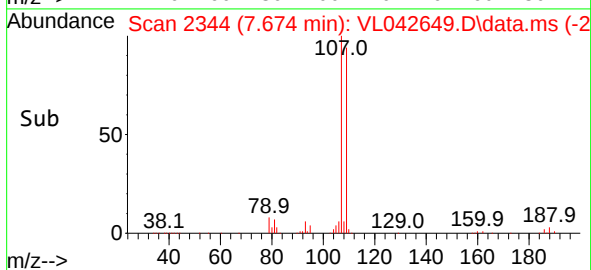
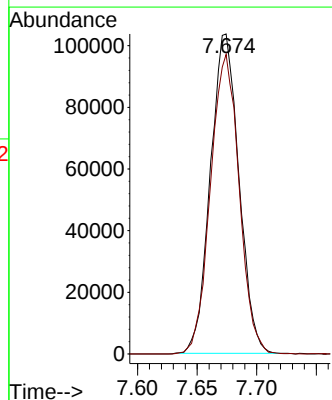
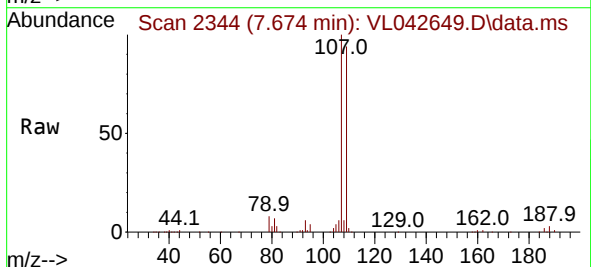
Manual Integrations
APPROVED

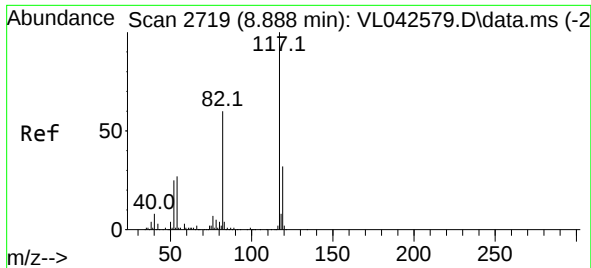
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#54
1,2-Dibromoethane
Concen: 11.166 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.016 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion:107 Resp: 172654
Ion Ratio Lower Upper
107 100
109 93.6 74.3 111.5





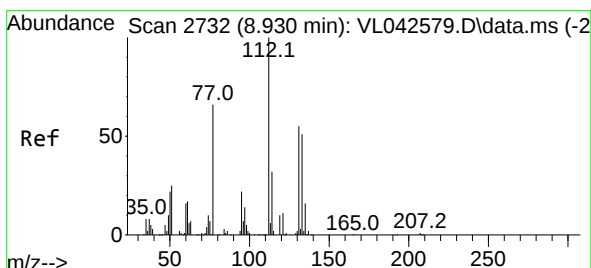
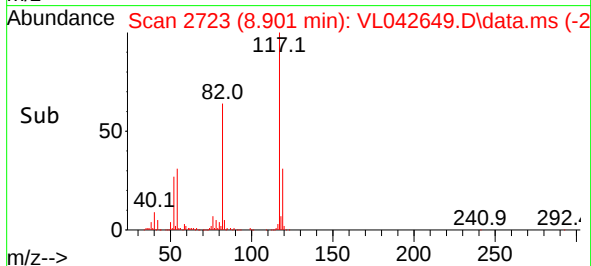
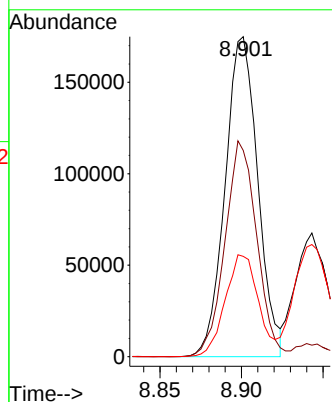
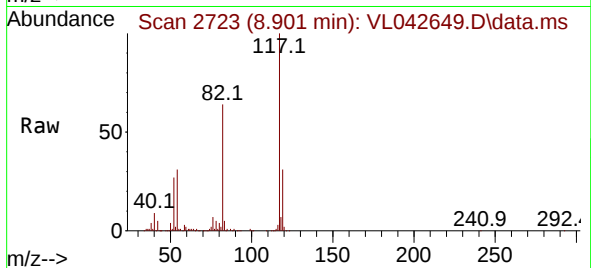
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:117 Resp: 244062
Ion Ratio Lower Upper
117 100
82 69.5 51.2 76.8
119 32.2 26.3 39.5

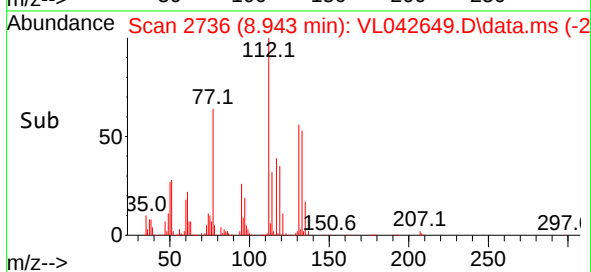
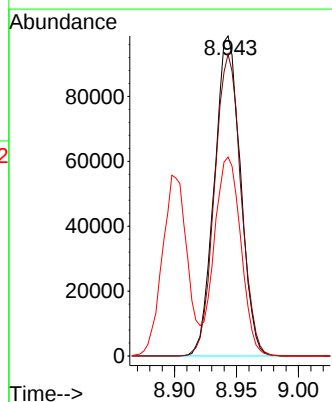
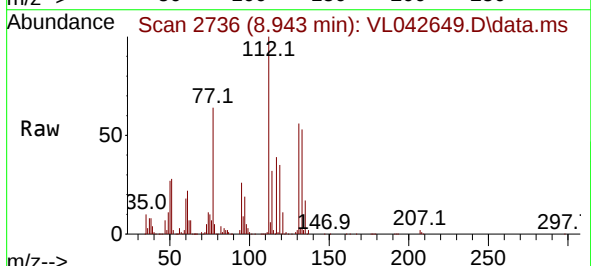
Manual Integrations
APPROVED

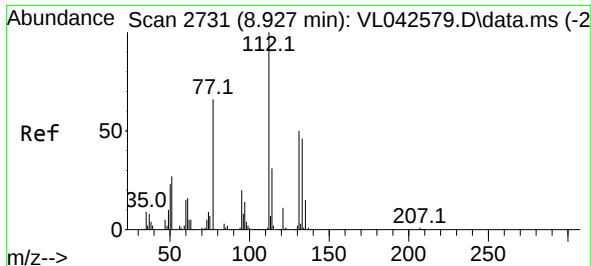
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.799 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion:131 Resp: 144799
Ion Ratio Lower Upper
131 100
133 95.5 75.0 112.6
119 64.6 50.8 76.2





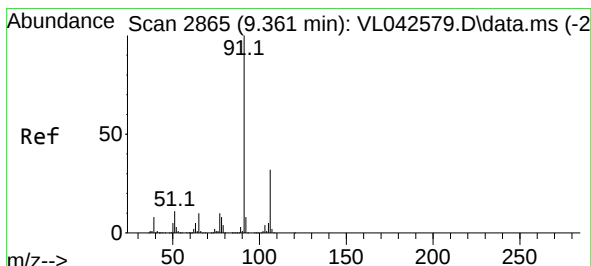
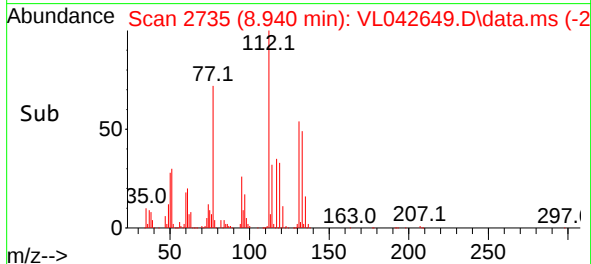
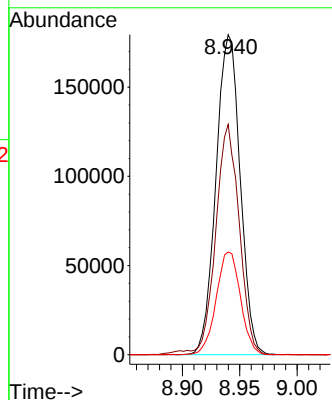
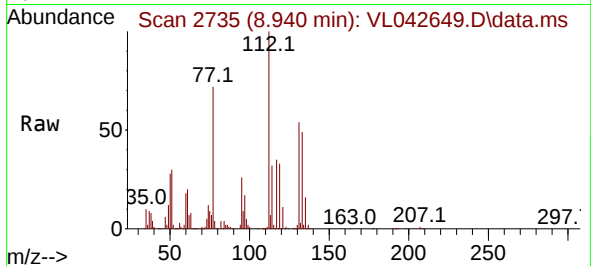
#57
Chlorobenzene
Concen: 11.120 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:112 Resp: 263529
Ion Ratio Lower Upper
112 100
77 71.9 53.5 80.3
114 32.1 27.8 34.0

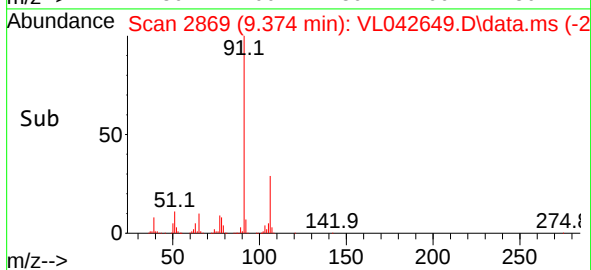
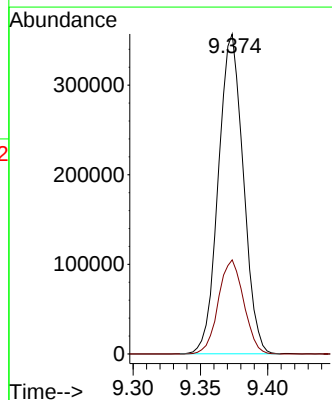
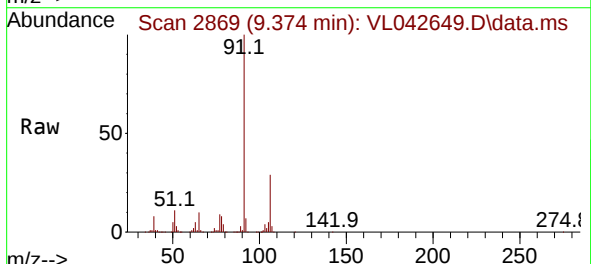
Manual Integrations
APPROVED

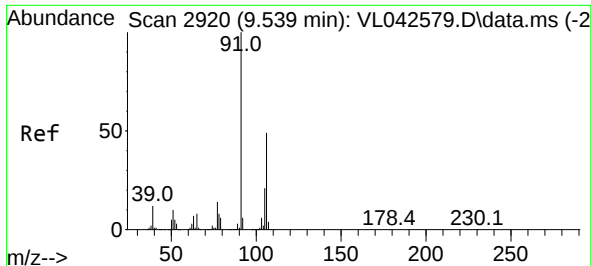
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#58
Ethyl Benzene
Concen: 11.085 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

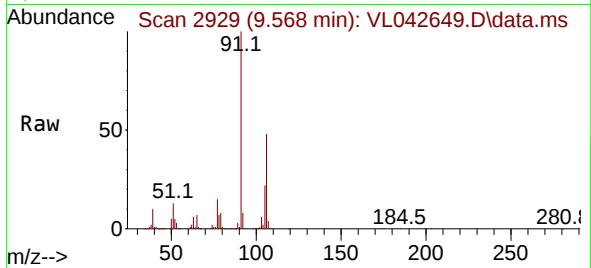
Tgt Ion: 91 Resp: 458900
Ion Ratio Lower Upper
91 100
106 29.4 25.9 38.9





#59
m/p-Xylene
Concen: 23.219 ppbv m
RT: 9.568 min Scan# 2920
Delta R.T. 0.029 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

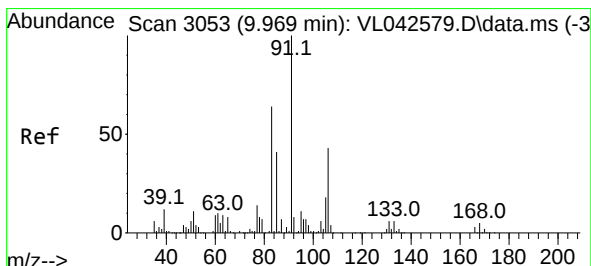
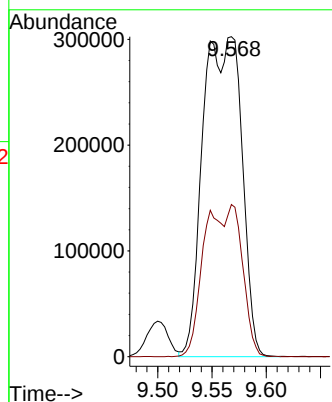
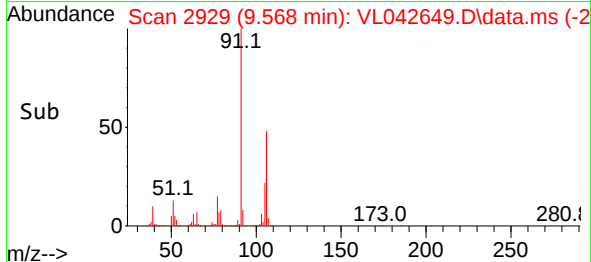
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



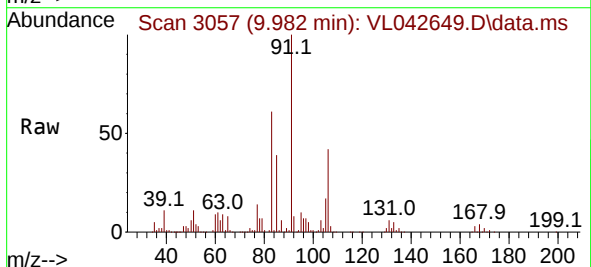
Tgt Ion: 91 Resp: 756459
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

Manual Integrations
APPROVED

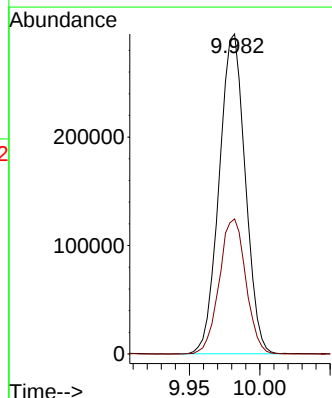
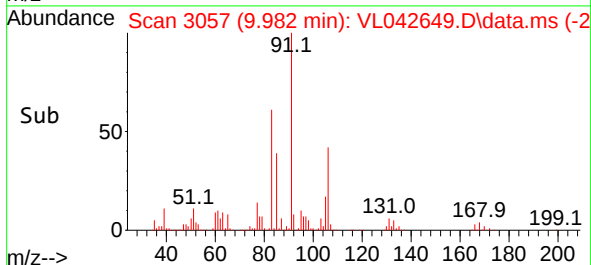
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

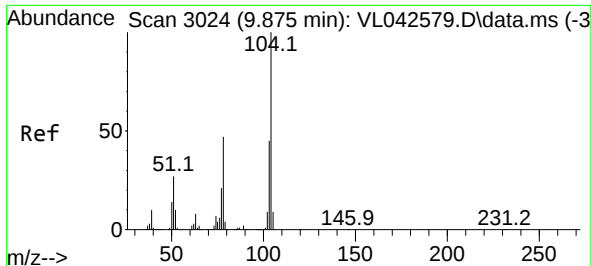


#60
o-Xylene
Concen: 11.715 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



Tgt Ion: 91 Resp: 380653
Ion Ratio Lower Upper
91 100
106 43.0 22.9 68.5





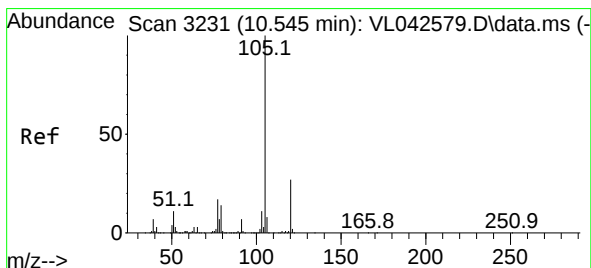
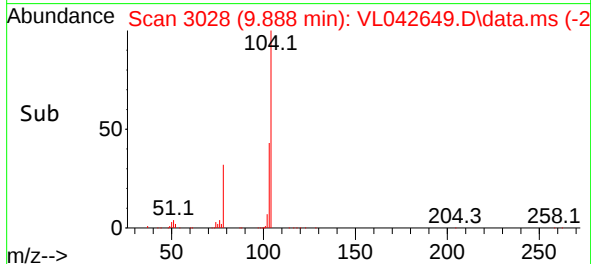
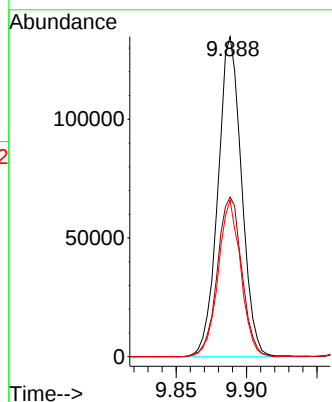
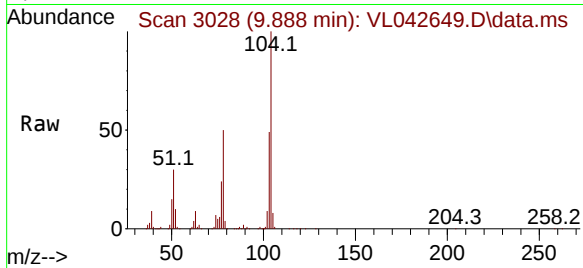
#61
Styrene
Concen: 10.253 ppbv
RT: 9.888 min Scan# 3024
Delta R.T. 0.013 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:104 Resp: 157500
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.4
103 47.0 36.7 55.1

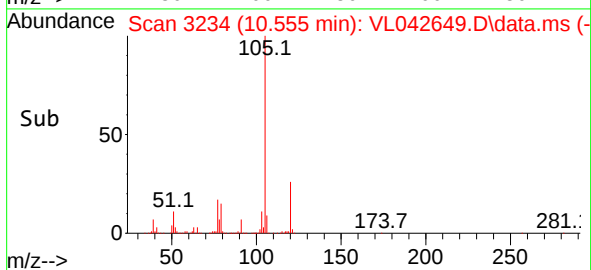
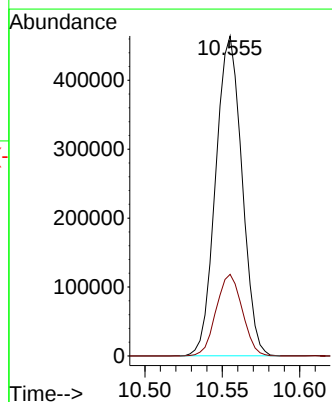
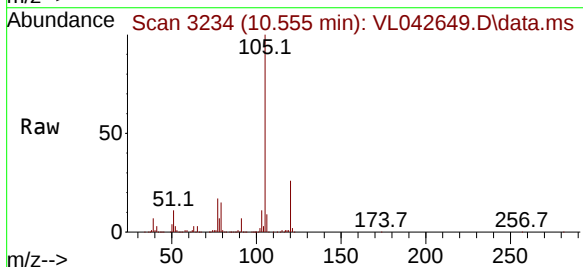
Manual Integrations
APPROVED

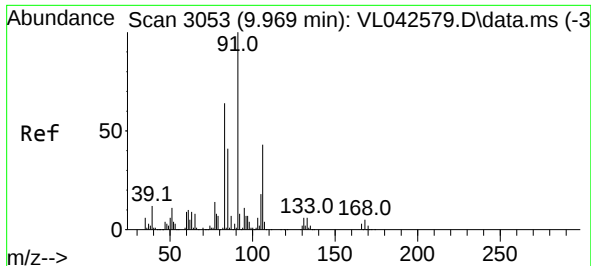
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#62
Isopropylbenzene
Concen: 11.407 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion:105 Resp: 547590
Ion Ratio Lower Upper
105 100
120 25.3 20.9 31.3





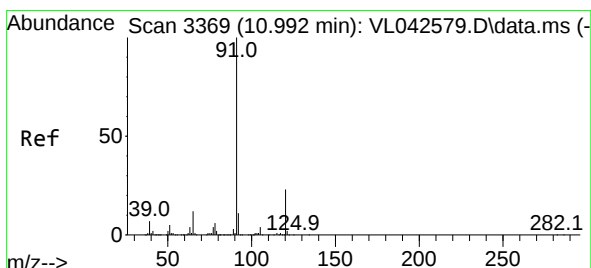
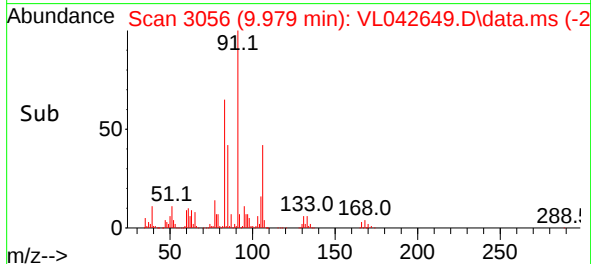
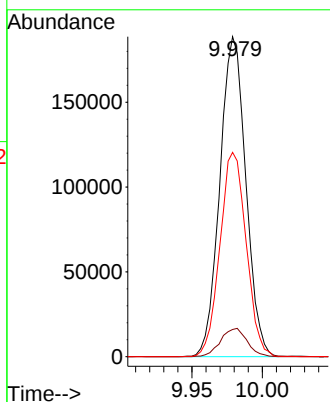
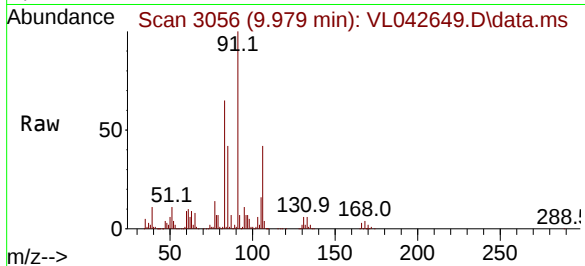
#63
1,1,2,2-Tetrachloroethane
Concen: 11.726 ppbv
RT: 9.979 min Scan# 3053
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion: 83 Resp: 242285
Ion Ratio Lower Upper
83 100
131 9.1 4.8 14.4
85 64.6 32.5 97.4

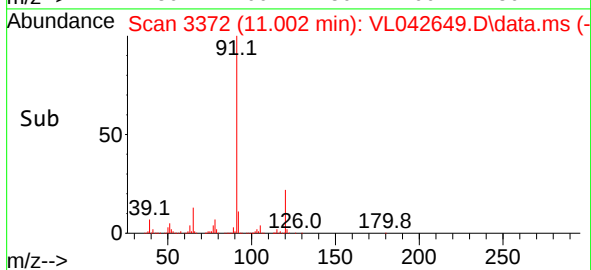
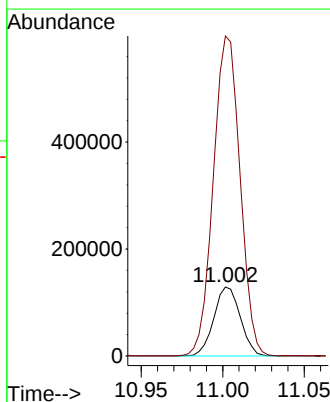
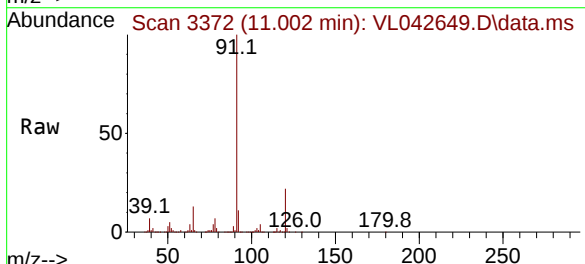
Manual Integrations
APPROVED

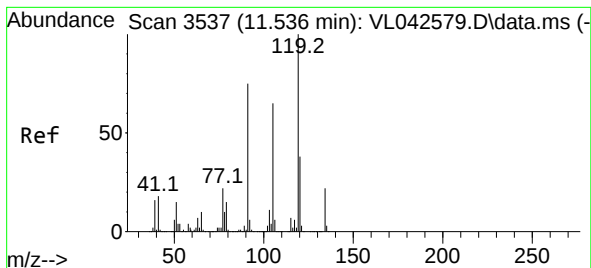
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#64
n-propylbenzene
Concen: 11.293 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Tgt Ion:120 Resp: 145308
Ion Ratio Lower Upper
120 100
91 470.5 363.0 544.6





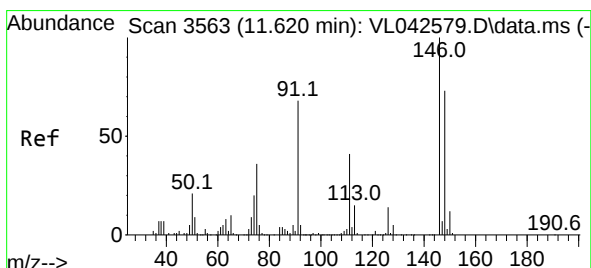
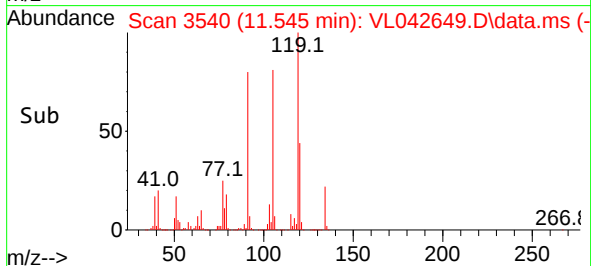
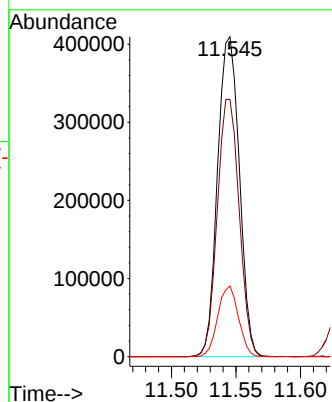
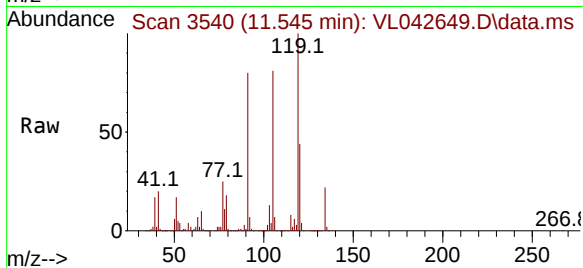
#65
tert-Butylbenzene
Concen: 11.028 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:119 Resp: 480384
Ion Ratio Lower Upper
119 100
91 80.8 61.1 91.7
134 21.0 17.4 26.2

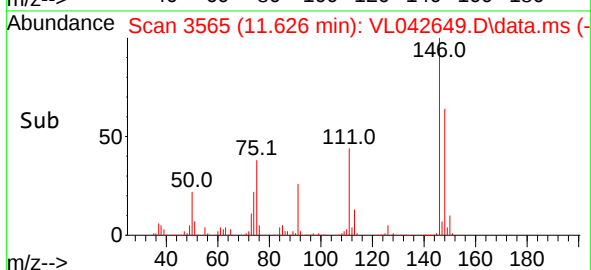
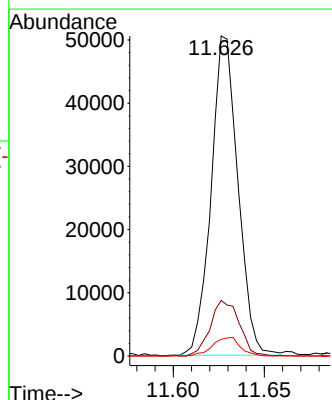
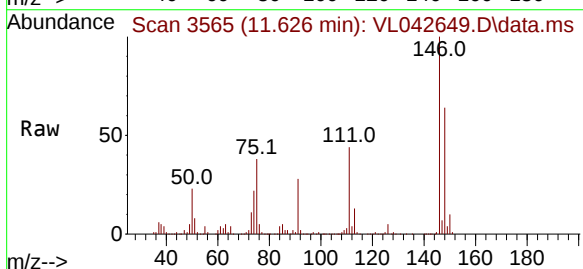
Manual Integrations
APPROVED

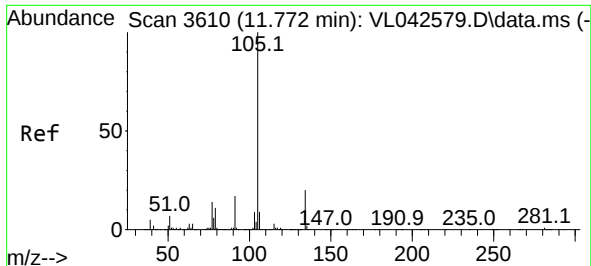
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#66
Benzyl Chloride
Concen: 9.238 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

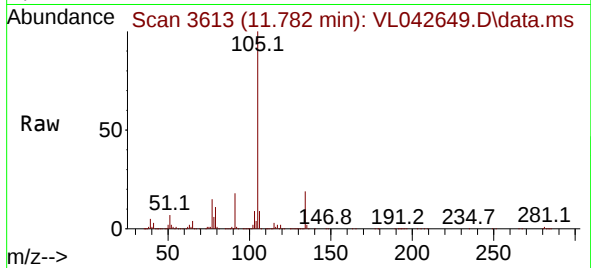
Tgt Ion: 91 Resp: 51799
Ion Ratio Lower Upper
91 100
126 18.8 15.1 22.7
128 6.0 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.334 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.010 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

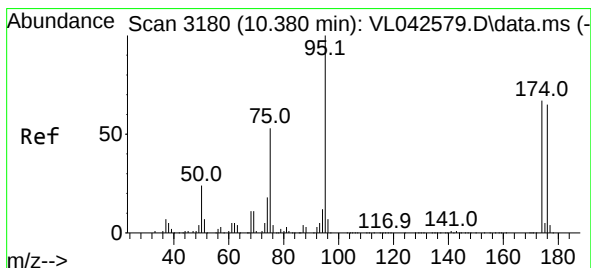
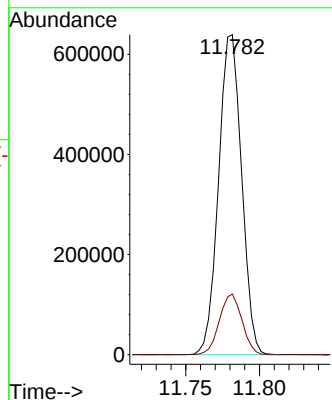
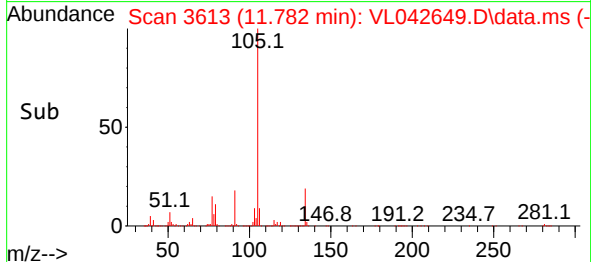
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABS01



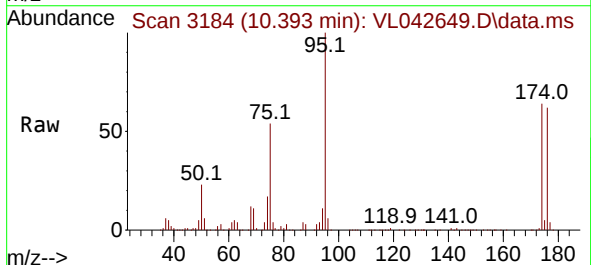
Tgt Ion: 105 Resp: 69412
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.8 23.6

Manual Integrations
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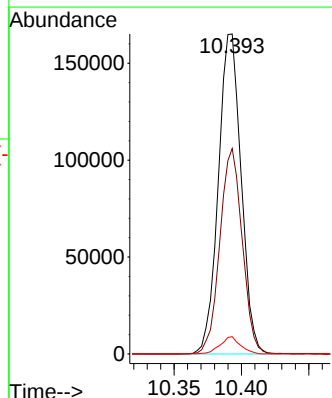
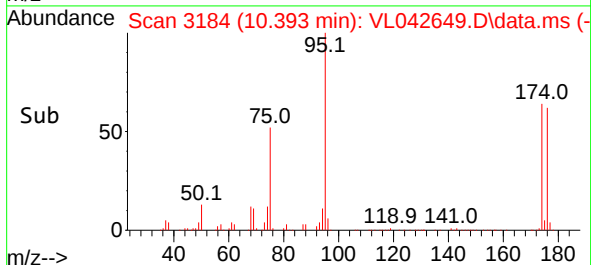
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

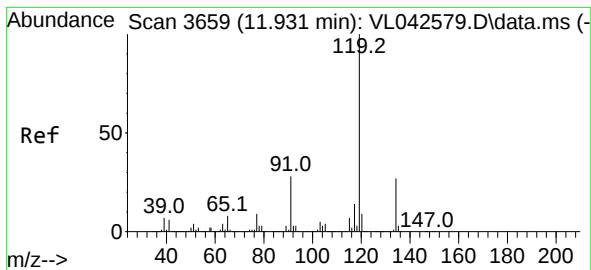


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.624 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.013 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26



Tgt Ion: 95 Resp: 194374
 Ion Ratio Lower Upper
 95 100
 174 62.8 53.1 79.7
 175 4.9 4.2 6.2





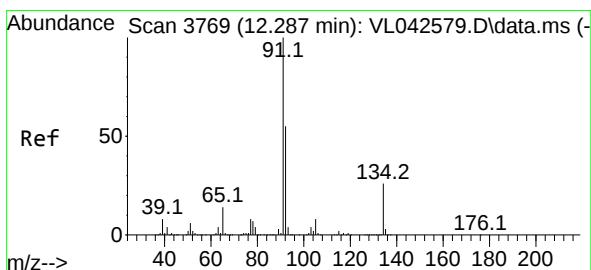
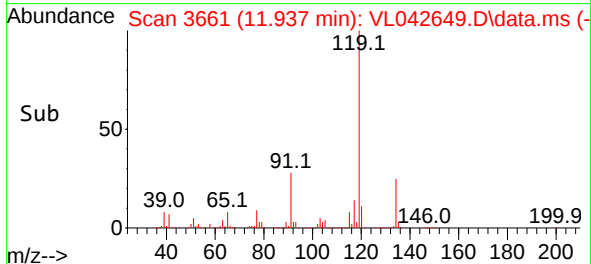
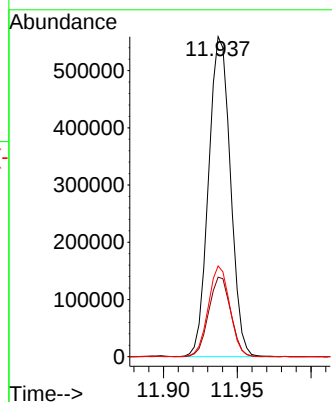
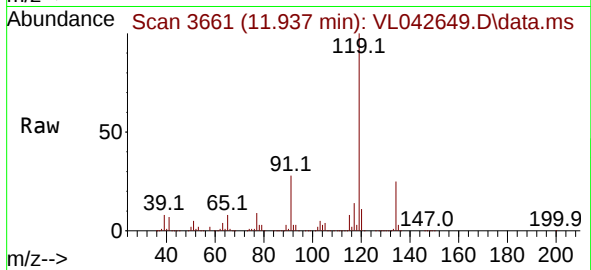
#69
 p-Isopropyltoluene
 Concen: 11.239 ppbv
 RT: 11.937 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABS01

Tgt Ion:119 Resp: 57642
 Ion Ratio Lower Upper
 119 100
 134 25.2 21.1 31.7
 91 28.1 21.9 32.9

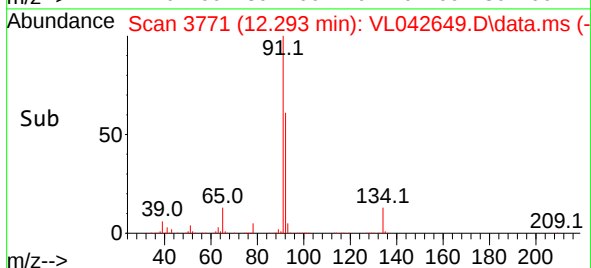
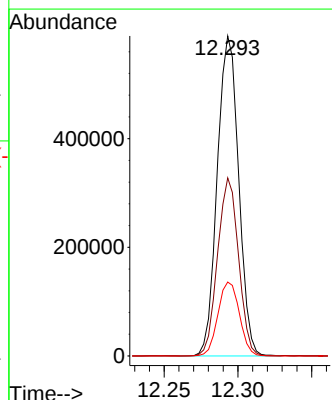
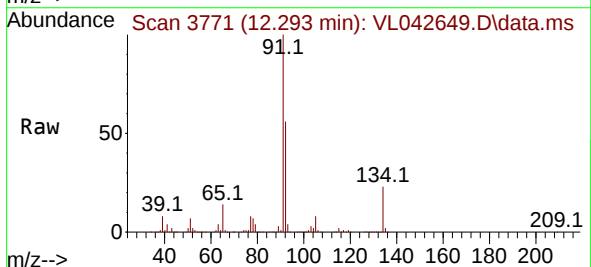
Manual Integrations
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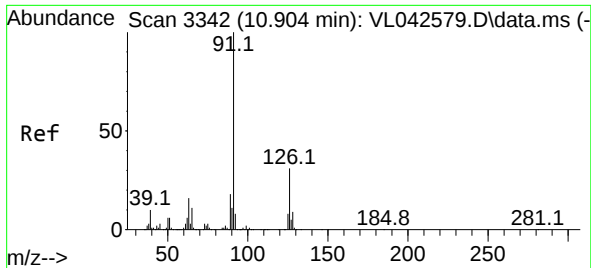
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#70
 n-Butylbenzene
 Concen: 11.728 ppbv
 RT: 12.293 min Scan# 3771
 Delta R.T. 0.007 min
 Lab File: VL042649.D
 Acq: 19 Jun 2025 10:26

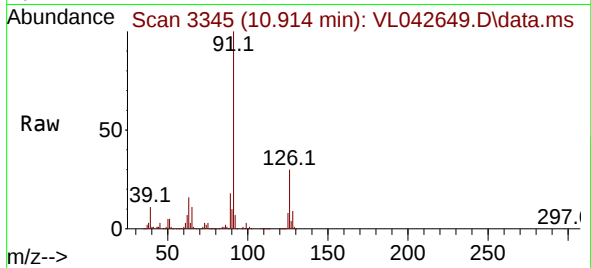
Tgt Ion: 91 Resp: 593718
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.4 66.6
 134 23.2 20.1 30.1





#71
2-Chlorotoluene
Concen: 11.330 ppbv
RT: 10.914 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

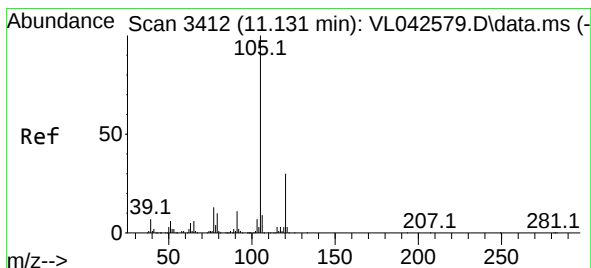
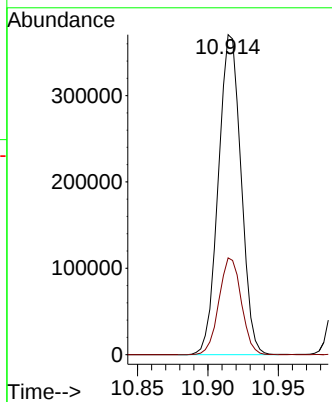
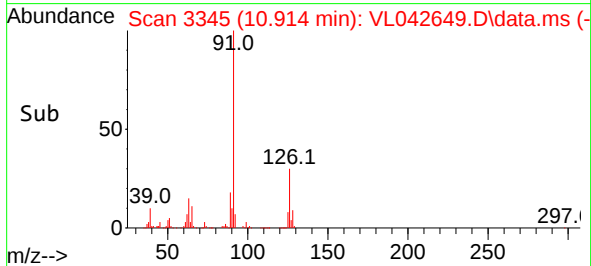
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



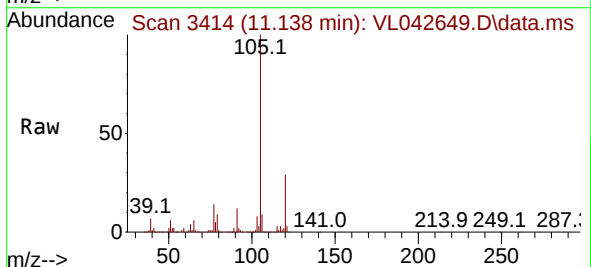
Tgt Ion: 91 Resp: 414838
Ion Ratio Lower Upper
91 100
126 29.8 12.6 50.4

Manual Integrations
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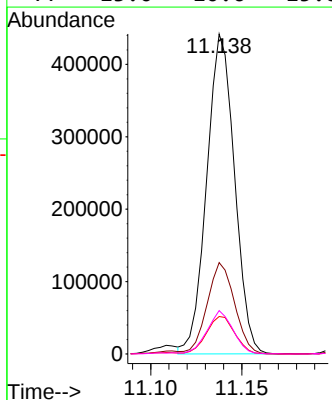
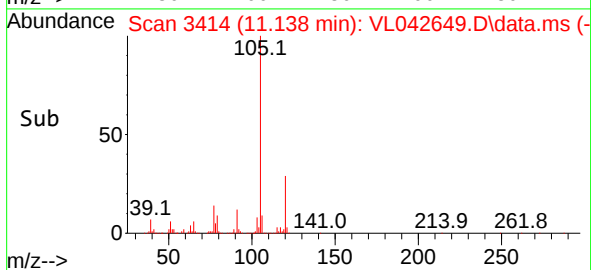
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

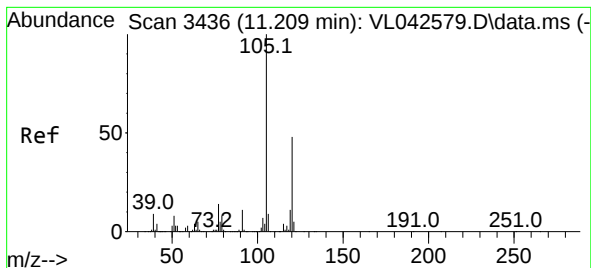


#72
4-Ethyltoluene
Concen: 11.555 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.006 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



Tgt Ion:105 Resp: 468085
Ion Ratio Lower Upper
105 100
120 29.0 24.6 36.8
91 12.5 9.6 14.4
77 13.0 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 11.500 ppbv

RT: 11.218 min Scan# 3436

Delta R.T. 0.010 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01

Tgt Ion:105 Resp: 385574

Ion Ratio Lower Upper

105 100

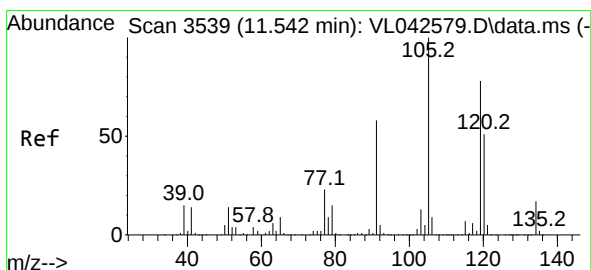
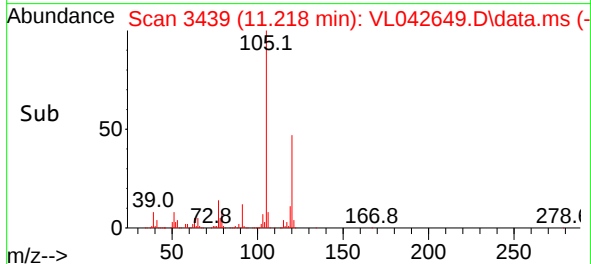
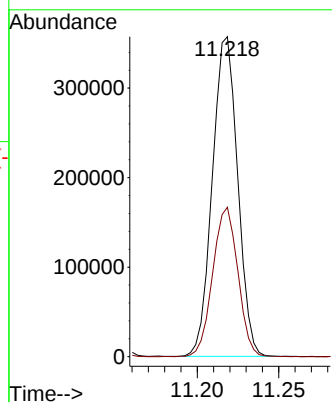
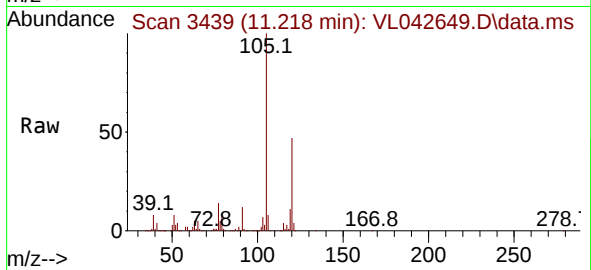
120 46.7 38.8 58.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.602 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.010 min

Lab File: VL042649.D

Acq: 19 Jun 2025 10:26

Tgt Ion:105 Resp: 431688

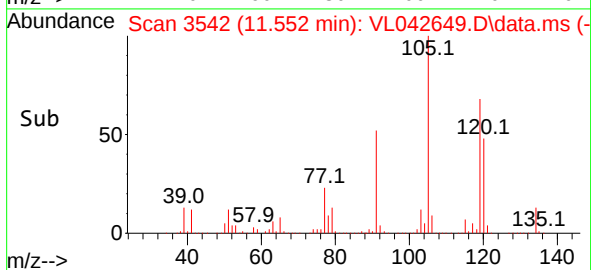
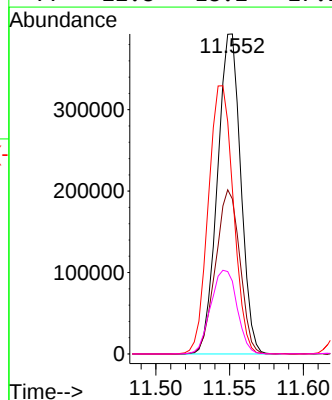
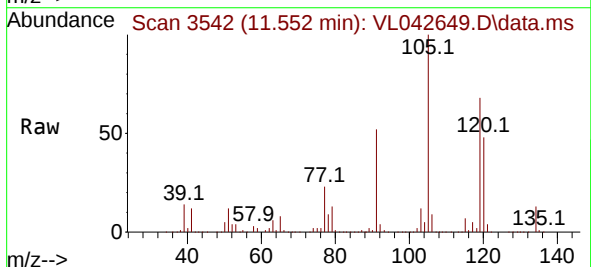
Ion Ratio Lower Upper

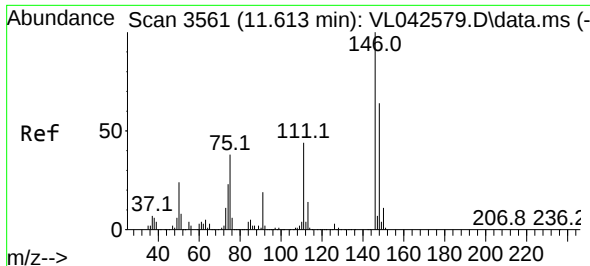
105 100

120 48.4 40.8 61.2

91 51.6 46.8 70.2

77 22.8 18.2 27.2





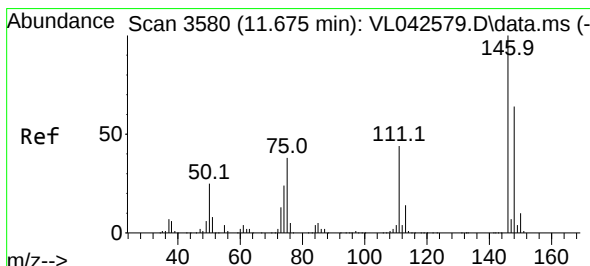
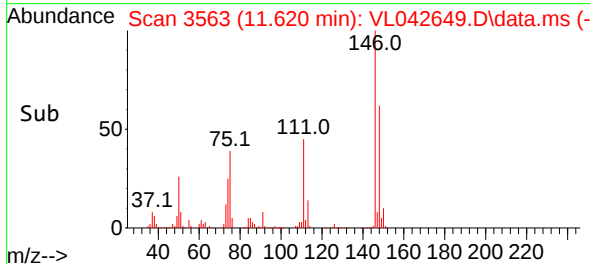
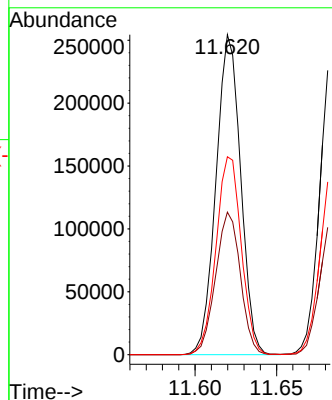
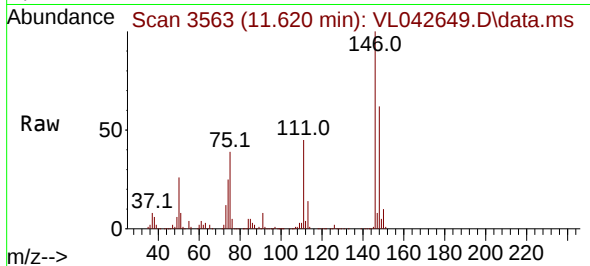
#75
1,3-Dichlorobenzene
Concen: 11.446 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01

Tgt Ion:146 Resp: 26743
Ion Ratio Lower Upper
146 100
111 44.8 22.4 67.3
148 63.5 32.0 96.2

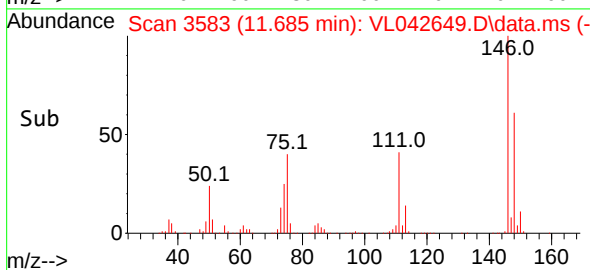
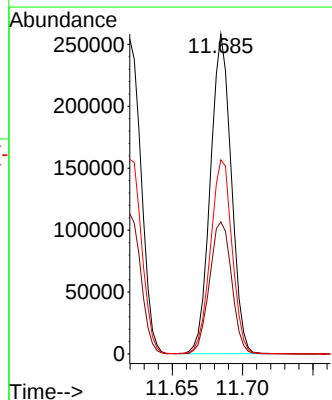
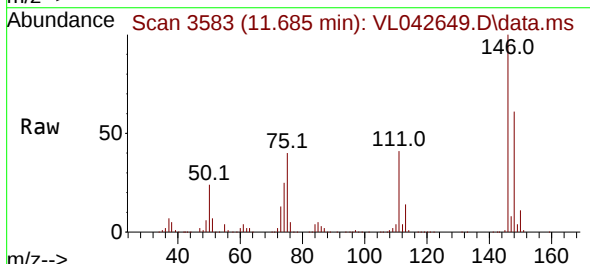
Manual Integrations
APPROVED

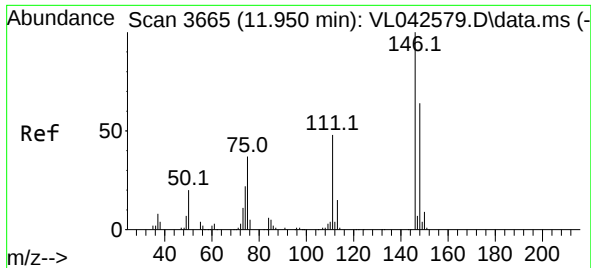
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#76
1,4-Dichlorobenzene
Concen: 11.453 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

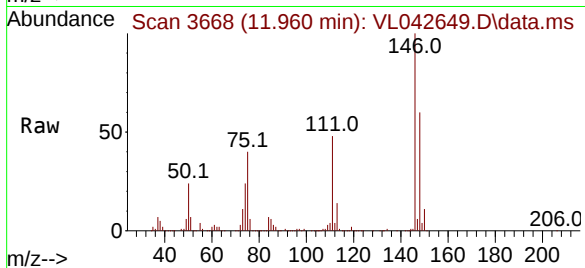
Tgt Ion:146 Resp: 266891
Ion Ratio Lower Upper
146 100
111 43.9 21.6 64.8
148 63.1 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 11.328 ppbv
RT: 11.960 min Scan# 3665
Delta R.T. 0.010 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

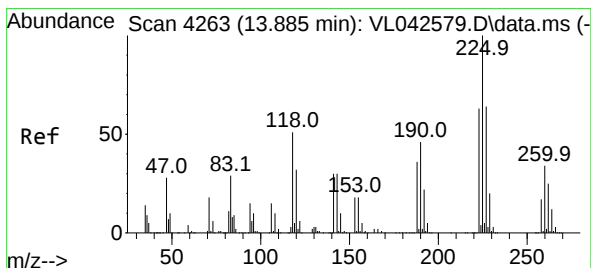
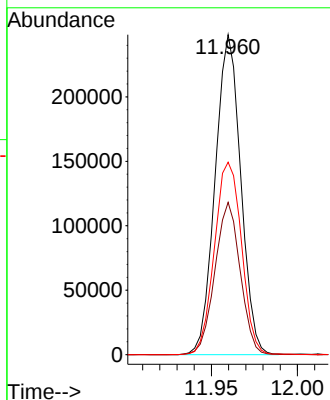
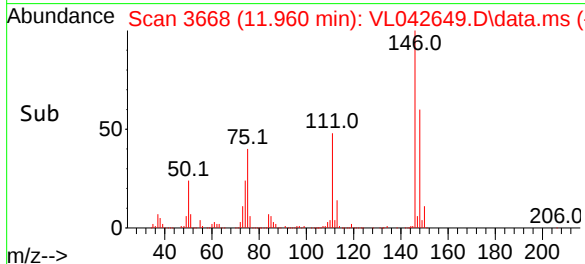
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



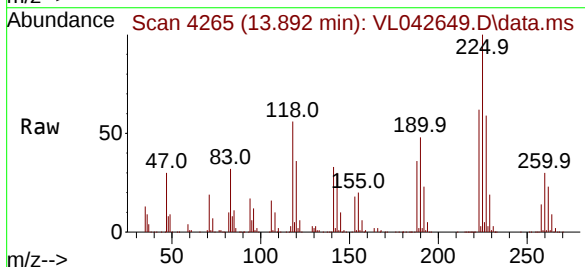
Tgt Ion:146 Resp: 25689
Ion Ratio Lower Upper
146 100
111 47.1 23.1 69.3
148 63.7 32.1 96.3

Manual Integrations
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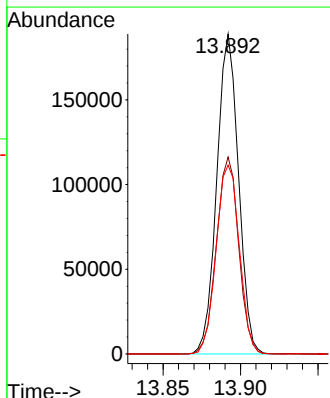
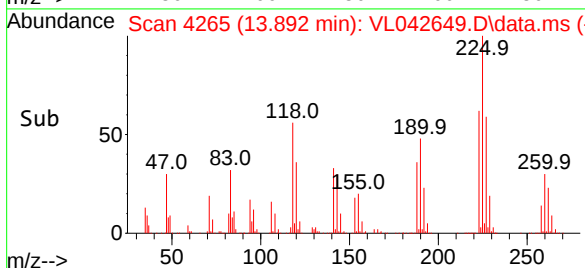
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

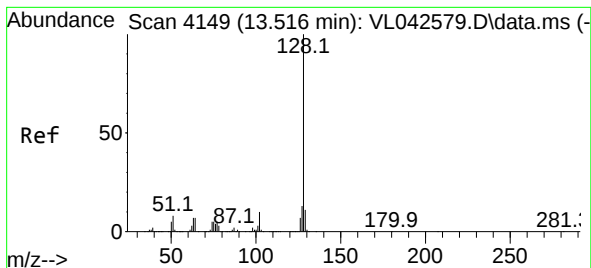


#78
Hexachloro-1,3-Butadiene
Concen: 9.819 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



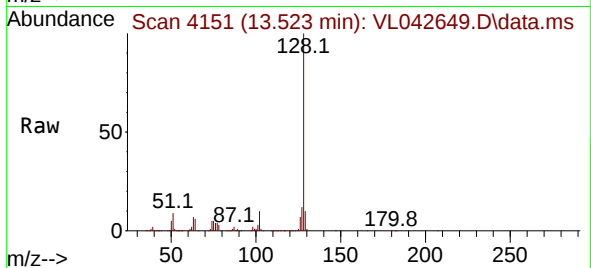
Tgt Ion:225 Resp: 184233
Ion Ratio Lower Upper
225 100
223 63.1 50.2 75.4
227 62.8 51.1 76.7





#79
Naphthalene
Concen: 11.824 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26

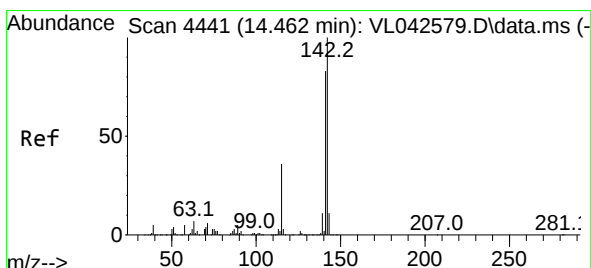
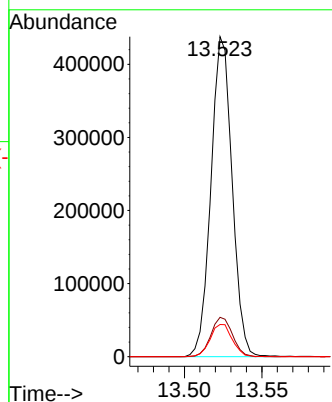
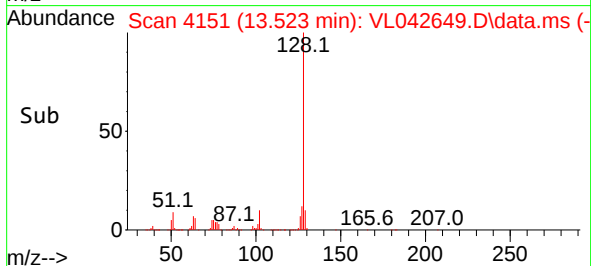
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABS01



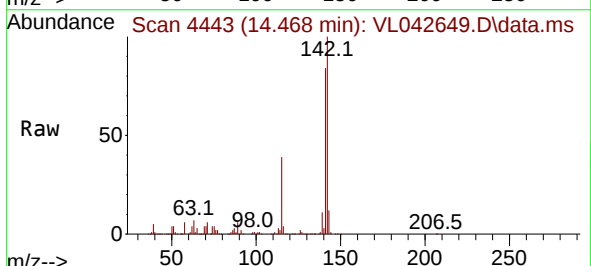
Tgt Ion:128 Resp: 414690
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.0 8.8 13.2

Manual Integrations
APPROVED

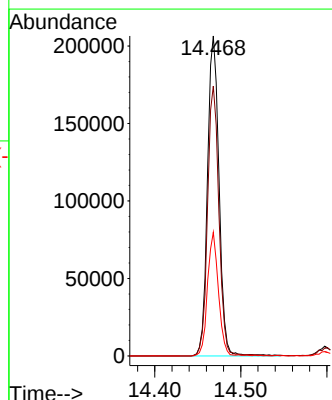
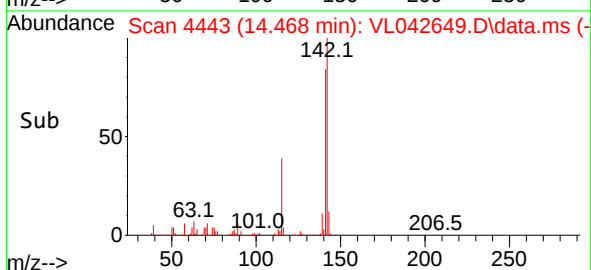
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

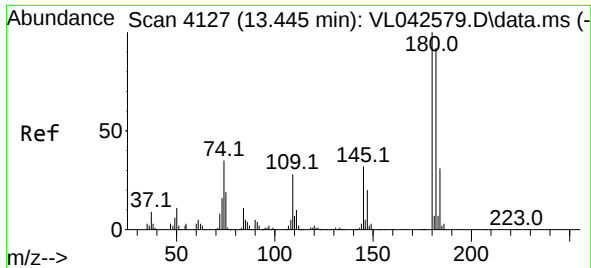


#80
Naphthalene,2-methyl-
Concen: 12.098 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.007 min
Lab File: VL042649.D
Acq: 19 Jun 2025 10:26



Tgt Ion:142 Resp: 191696
Ion Ratio Lower Upper
142 100
141 83.4 66.2 99.4
115 37.0 28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 10.651 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042649.D

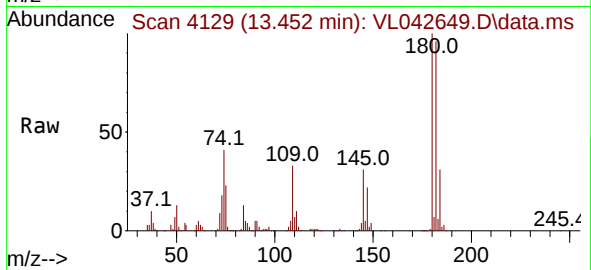
Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABS01



Tgt Ion:180 Resp: 208520

Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.4

184 30.3 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025

