

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042614.D
 Acq On : 05 Jun 2025 08:55
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 01:34:54 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	2.790	49	101693	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	268217	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	242660	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 191733 10.540 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	121788	9.744	ppbv	99
3) Chlorodifluoromethane	1.476	51	161401	9.376	ppbv	99
4) Chloromethane	1.534	50	47056	9.507	ppbv	96
5) Vinyl Chloride	1.580	62	44566	8.839	ppbv	99
6) Bromomethane	1.667	94	22015	8.971	ppbv	100
7) Chloroethane	1.706	64	17339	8.851	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	99097	9.516	ppbv	98
9) Propene	1.482	41	63512	9.162	ppbv	99
10) Heptane	4.981	43	177505	9.084	ppbv	99
11) Trichlorofluoromethane	1.877	101	117872	10.136	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	2.139	101	85546	9.368	ppbv	95
13) Ethanol	1.722	45	4659	5.640	ppbv	96
14) Bromoethene	1.780	108	33213	9.670	ppbv	98
15) Acetone	1.835	43	98940	8.077	ppbv	98
16) 1,3-Butadiene	1.609	39	50824	8.759	ppbv	100
17) tert-Butyl alcohol	2.042	59	114594	8.980	ppbv	100
18) 1,1-Dichloroethene	2.036	96	39181	9.257	ppbv	91
19) Isopropyl Alcohol	1.887	45	64194	8.766	ppbv	97
20) Methylene Chloride	2.062	84	33533	8.295	ppbv	92
21) Allyl Chloride	2.097	41	78502	9.083	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	44188	9.346	ppbv	97
23) Vinyl Acetate	2.463	43	185225	11.186	ppbv	98
24) 1,1-Dichloroethane	2.408	63	90948	9.350	ppbv	99
25) Ethyl Acetate	2.835	43	318951	9.515	ppbv	99
26) Hexane	2.826	57	135874	8.920	ppbv	95
27) Carbon Disulfide	2.149	76	110072	9.413	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	55053	8.907	ppbv	97
29) Chloroform	2.852	83	195743	9.882	ppbv	99
30) Cyclohexane	3.858	84	112054	8.874	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	135437	9.720	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	193883	9.580	ppbv	98
34) 2-Butanone	2.557	43	205880	10.763	ppbv	100
35) Carbon Tetrachloride	3.764	117	199057	11.243	ppbv	99
36) Benzene	3.657	78	277497	10.506	ppbv	100
37) 1,2-Dichloroethane	3.221	62	153373	11.684	ppbv	98
38) Trichloroethene	4.551	130	111360	9.919	ppbv	94
39) 1,2-Dichloropropane	4.315	63	101638	10.406	ppbv	99
40) 1,4-Dioxane	4.586	88	44359	10.149	ppbv #	96
41) Tetrahydrofuran	3.055	42	115360	10.303	ppbv	99
42) Bromodichloromethane	4.493	83	217739	11.678	ppbv	95
43) Methyl Methacrylate	4.884	69	106636	10.402	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	470653	10.417	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	121682	10.373	ppbv	97

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Instrument :
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 Supervised By :Mahesh Dadoda 06/06/2025

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

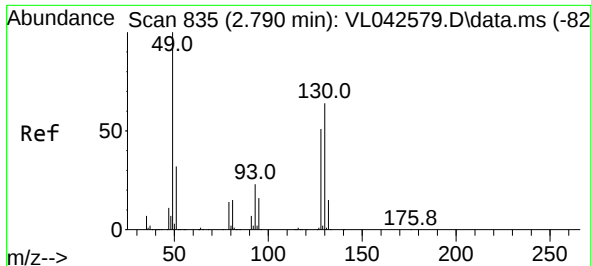
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	154211	10.491	ppbv	94
47) 1,1,2-Trichloroethane	6.583	97	105831	10.467	ppbv	96
48) Dibromochloromethane	7.389	129	174247	10.765	ppbv	98
49) Bromoform	9.490	173	150126	10.749	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	280472	10.572	ppbv	98
51) 2-Hexanone	7.441	43	228193	10.845	ppbv #	96
52) Tetrachloroethene	8.231	164	94128	9.537	ppbv	99
53) Toluene	6.939	91	308757	10.114	ppbv	99
54) 1,2-Dibromoethane	7.658	107	160618	10.732	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	131500	10.777	ppbv	99
57) Chlorobenzene	8.927	112	239242	10.154	ppbv	96
58) Ethyl Benzene	9.360	91	428397	10.408	ppbv	95
59) m/p-Xylene	9.555	91	685564m	21.165	ppbv	
60) o-Xylene	9.969	91	340908	10.552	ppbv	98
61) Styrene	9.875	104	152733	9.999	ppbv	97
62) Isopropylbenzene	10.545	105	490365	10.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	213414	10.389	ppbv	100
64) n-propylbenzene	10.995	120	130905	10.232	ppbv	95
65) tert-Butylbenzene	11.535	119	435043	10.044	ppbv	97
66) Benzyl Chloride	11.620	91	53682	9.629	ppbv	99
67) sec-Butylbenzene	11.772	105	616903	10.131	ppbv	98
69) p-Isopropyltoluene	11.930	119	514946	10.098	ppbv	99
70) n-Butylbenzene	12.283	91	528764	10.505	ppbv	98
71) 2-Chlorotoluene	10.904	91	375889	10.325	ppbv	97
72) 4-Ethyltoluene	11.128	105	418625	10.393	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	342609	10.277	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	380277	10.280	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	237125	10.207	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	238047	10.274	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	226397	10.041	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	165660	8.880	ppbv	99
79) Naphthalene	13.516	128	372094	10.671	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	183376	11.640	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	195043	10.020	ppbv	98

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



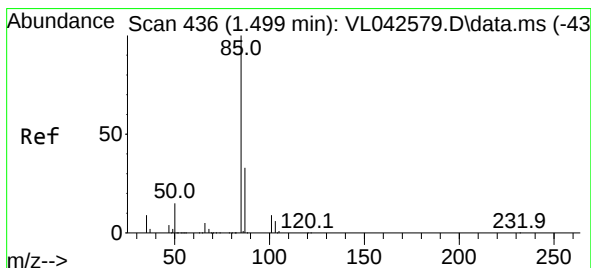
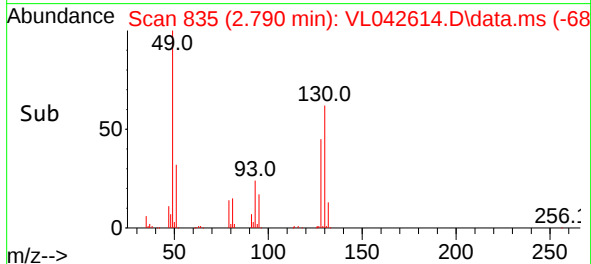
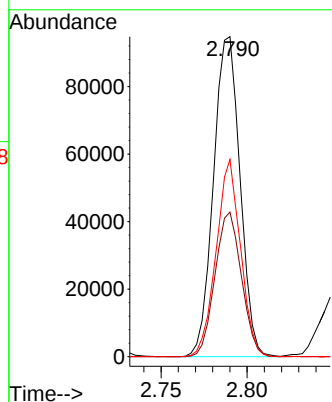
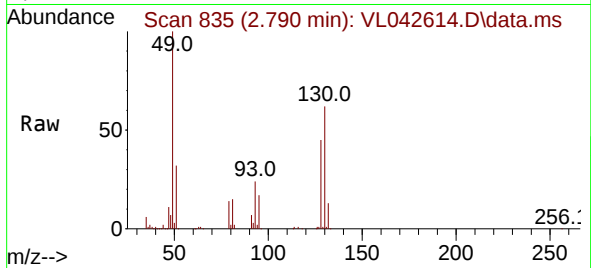
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 10169
Ion Ratio Lower Upper
49 100
128 44.9 24.2 72.6
130 56.6 30.4 91.2

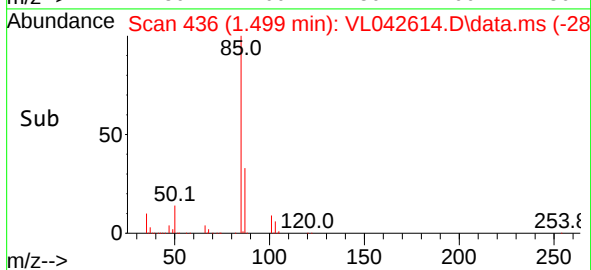
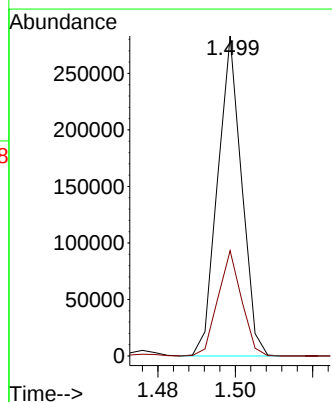
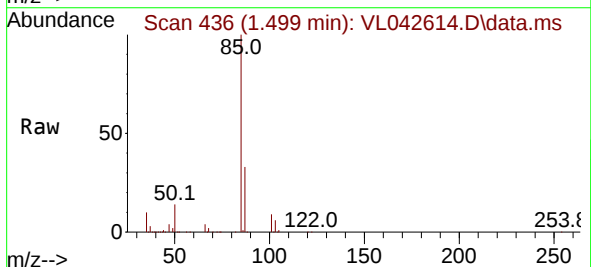
Manual Integrations
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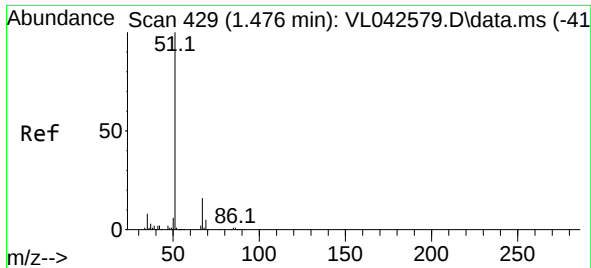
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#2
Dichlorodifluoromethane
Concen: 9.744 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion: 85 Resp: 121788
Ion Ratio Lower Upper
85 100
87 32.9 26.6 39.8





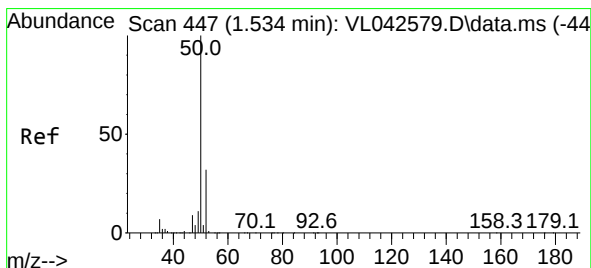
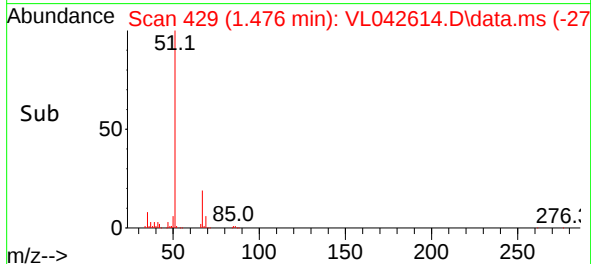
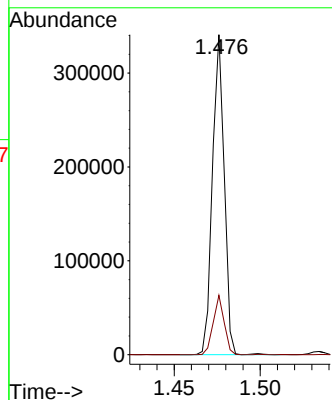
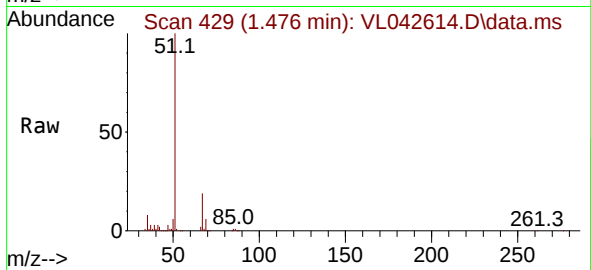
#3
Chlorodifluoromethane
Concen: 9.376 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 16140
Ion Ratio Lower Upper
51 100
67 17.4 13.4 20.2

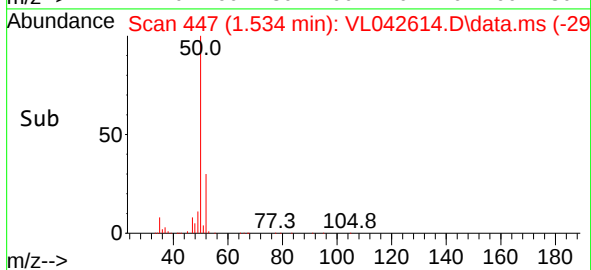
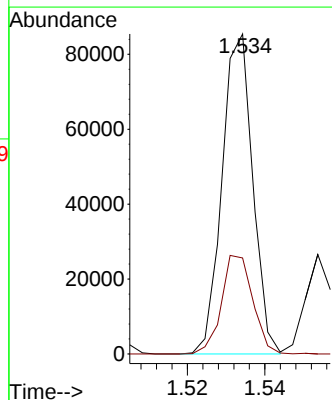
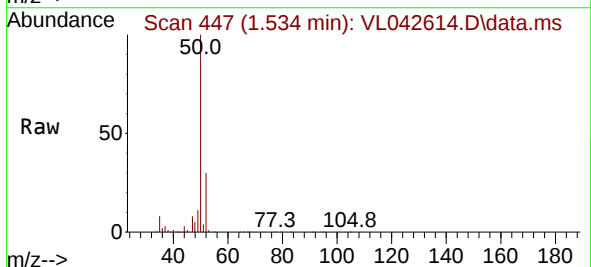
Manual Integrations
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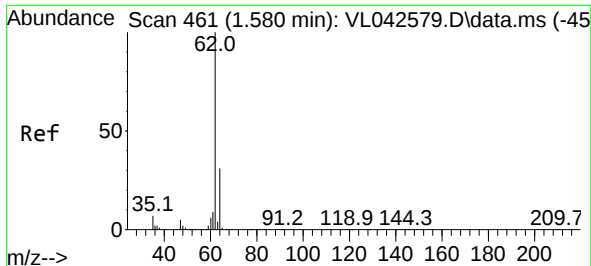
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#4
Chloromethane
Concen: 9.507 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

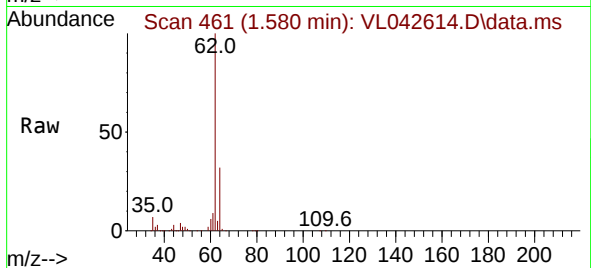
Tgt Ion: 50 Resp: 47056
Ion Ratio Lower Upper
50 100
52 30.0 25.8 38.6





#5
 Vinyl Chloride
 Concen: 8.839 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

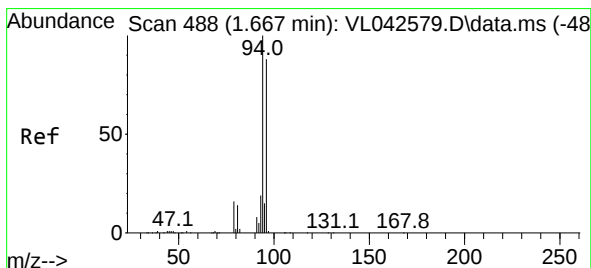
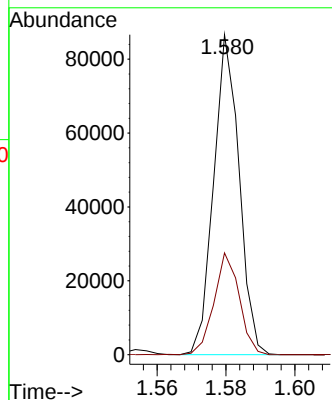
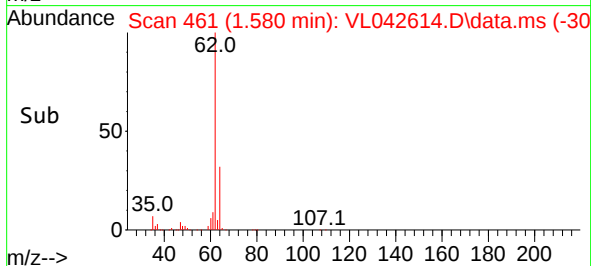
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



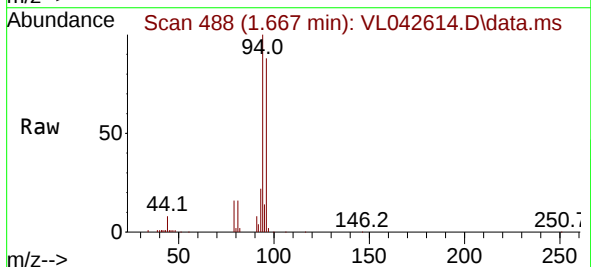
Tgt Ion: 62 Resp: 44560
 Ion Ratio Lower Upper
 62 100
 64 31.8 24.9 37.3

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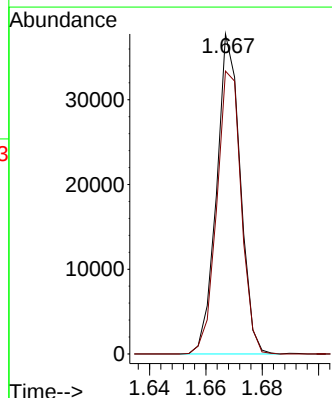
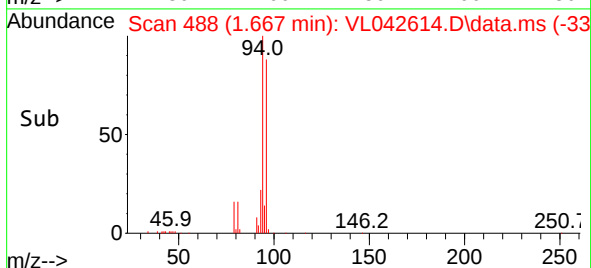
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

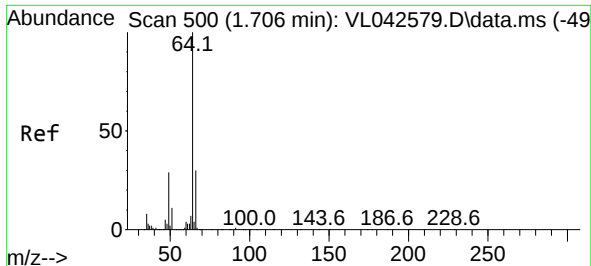


#6
 Bromomethane
 Concen: 8.971 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55



Tgt Ion: 94 Resp: 22015
 Ion Ratio Lower Upper
 94 100
 96 88.4 70.7 106.1





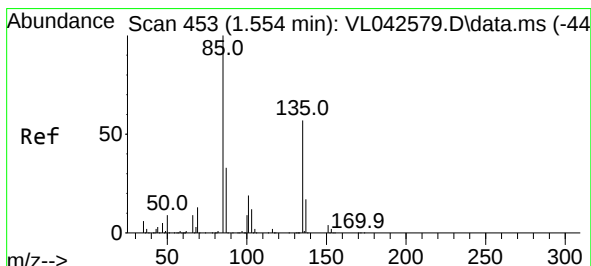
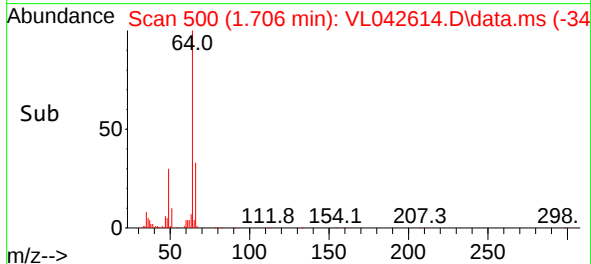
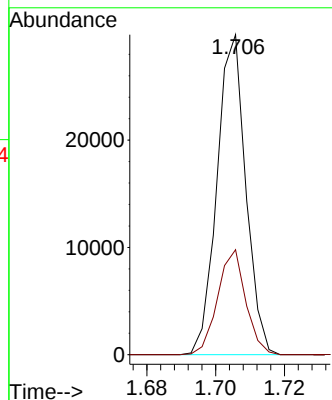
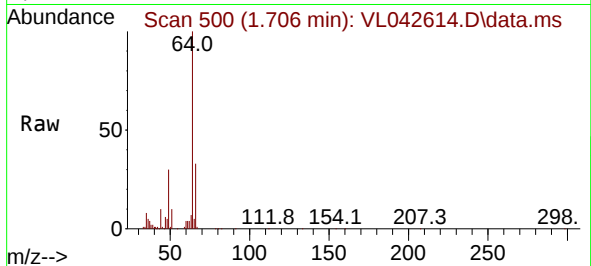
#7
Chloroethane
Concen: 8.851 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 17339
Ion Ratio Lower Upper
64 100
66 32.8 24.3 36.5

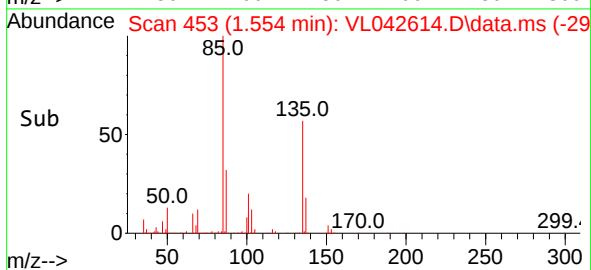
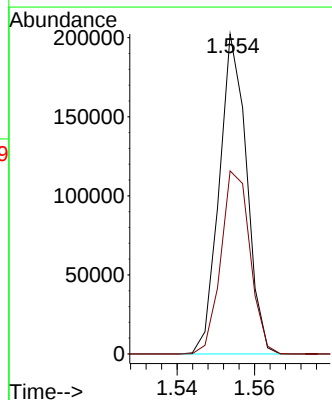
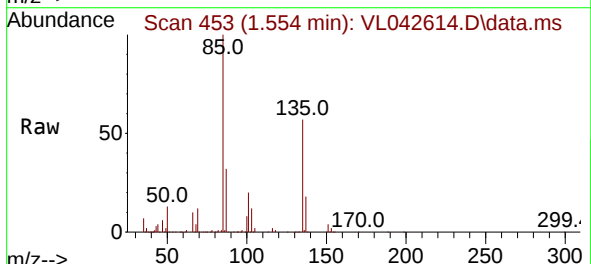
Manual Integrations
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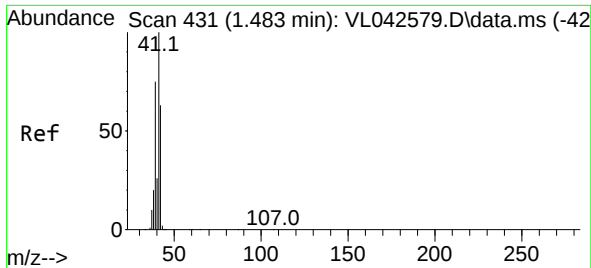
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#8
Dichlorotetrafluoroethane
Concen: 9.516 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion: 85 Resp: 99097
Ion Ratio Lower Upper
85 100
135 61.3 50.2 75.4





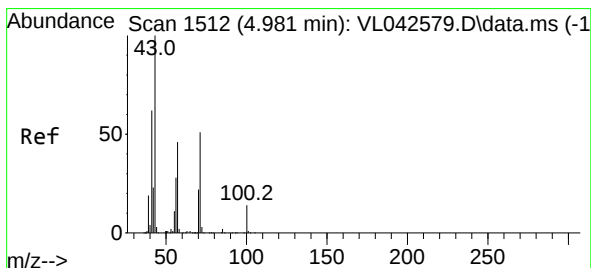
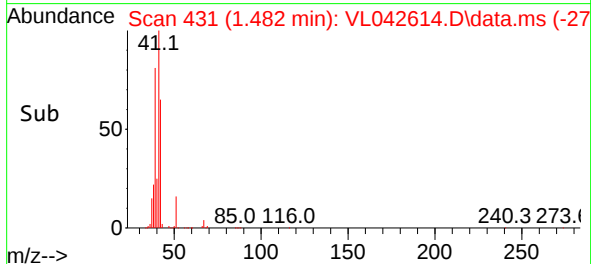
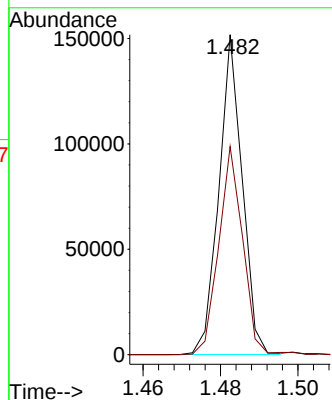
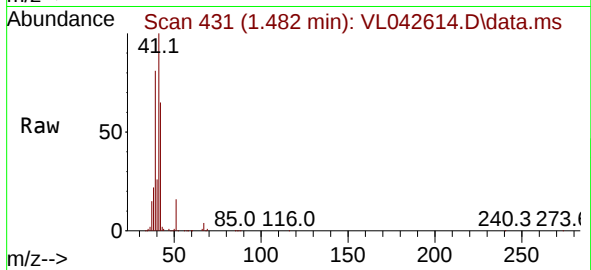
#9
Propene
Concen: 9.162 ppbv
RT: 1.482 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 63512
Ion Ratio Lower Upper
41 100
42 67.3 53.3 79.9

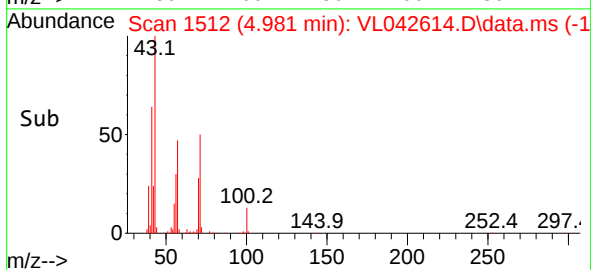
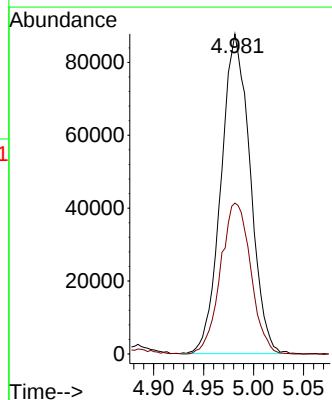
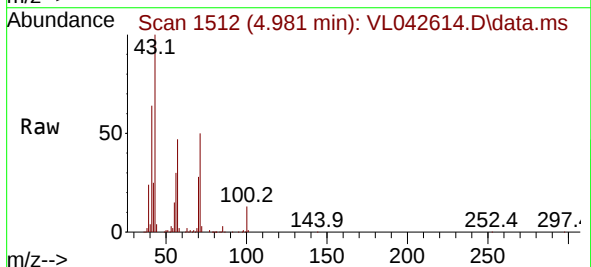
Manual Integrations
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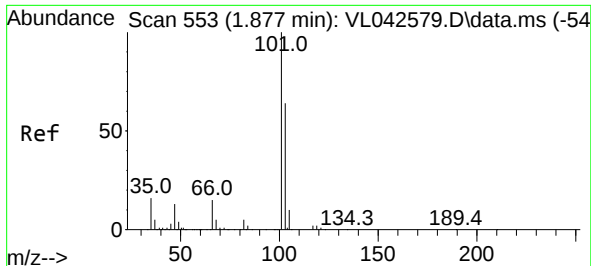
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#10
Heptane
Concen: 9.084 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

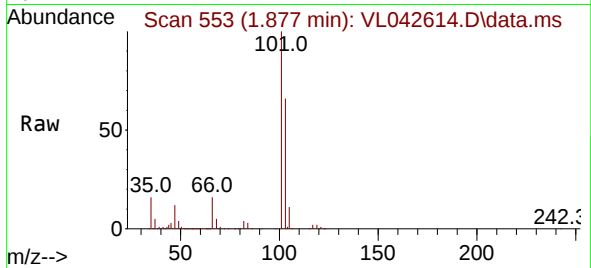
Tgt Ion: 43 Resp: 177505
Ion Ratio Lower Upper
43 100
57 49.1 38.9 58.3





#11
 Trichlorofluoromethane
 Concen: 10.136 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

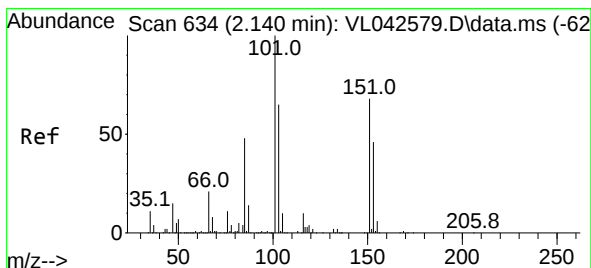
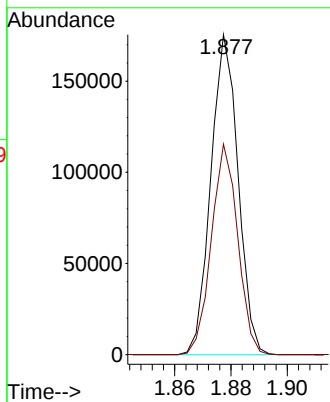
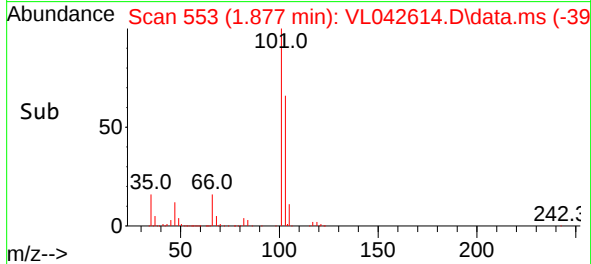
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



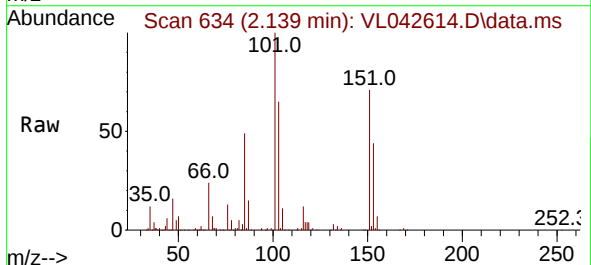
Tgt Ion:101 Resp: 117872
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.5 77.3

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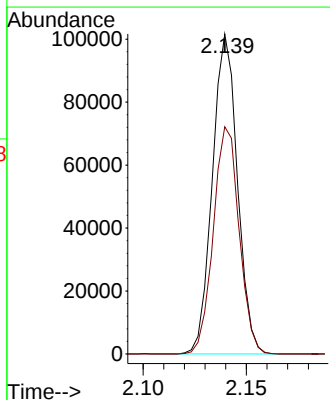
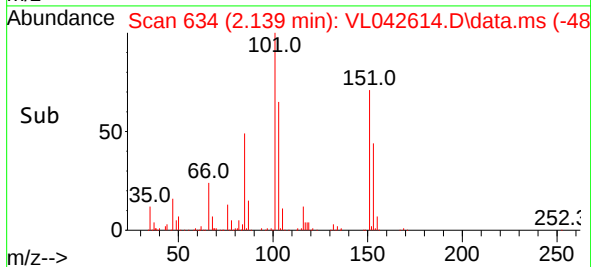
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

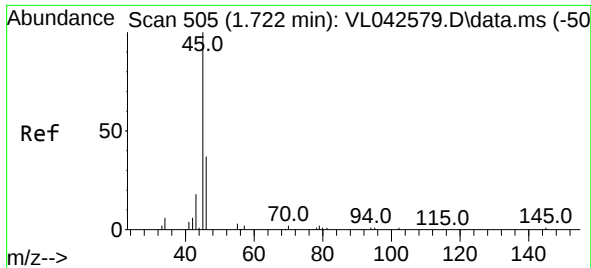


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.368 ppbv
 RT: 2.139 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55



Tgt Ion:101 Resp: 85546
 Ion Ratio Lower Upper
 101 100
 151 73.2 55.3 82.9





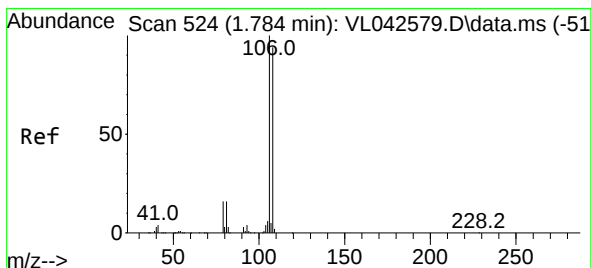
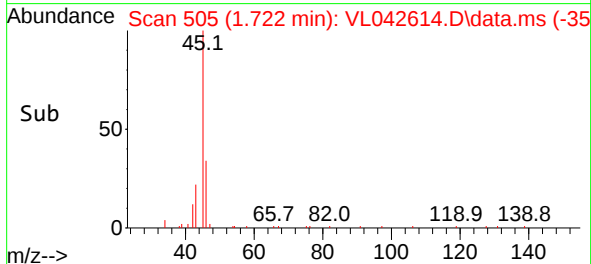
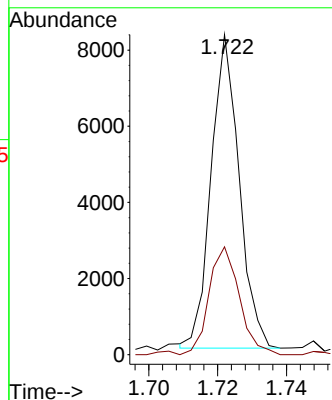
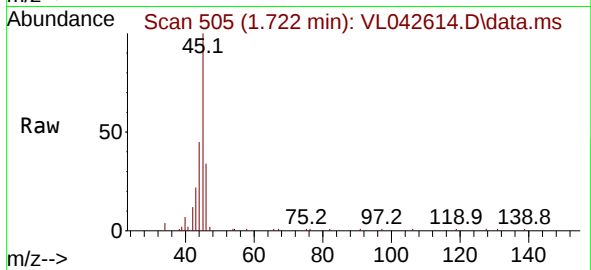
#13
Ethanol
Concen: 5.640 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 4659
Ion Ratio Lower Upper
45 100
46 38.4 14.5 58.1

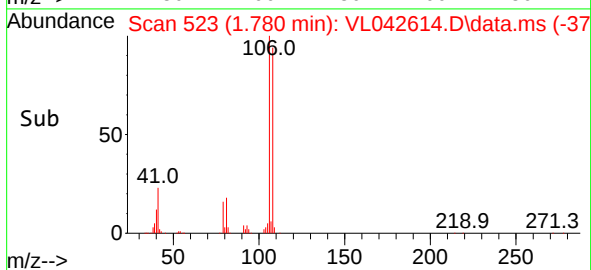
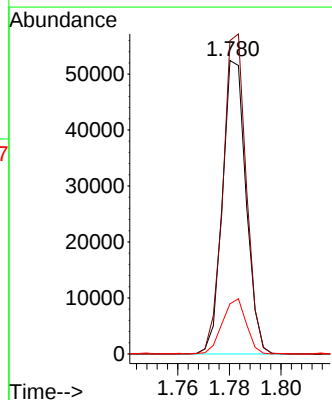
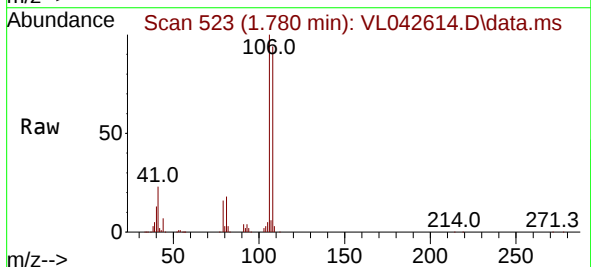
Manual Integrations
APPROVED

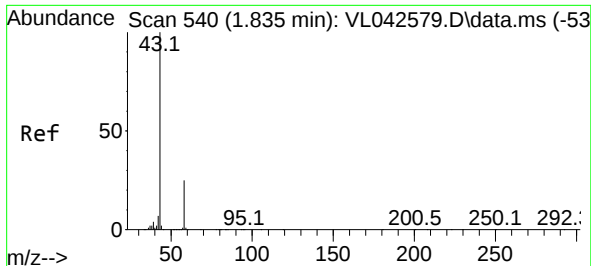
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#14
Bromoethene
Concen: 9.670 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

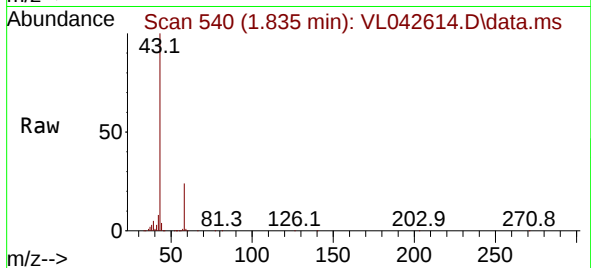
Tgt Ion:108 Resp: 33213
Ion Ratio Lower Upper
108 100
106 107.5 87.9 131.9
79 19.5 15.6 23.4





#15
Acetone
Concen: 8.077 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

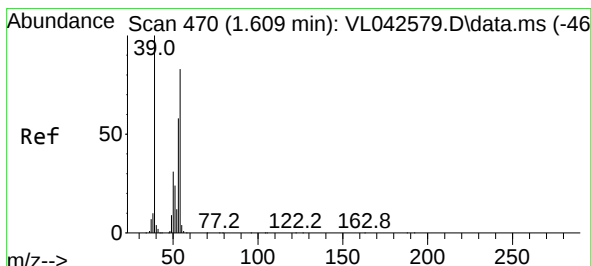
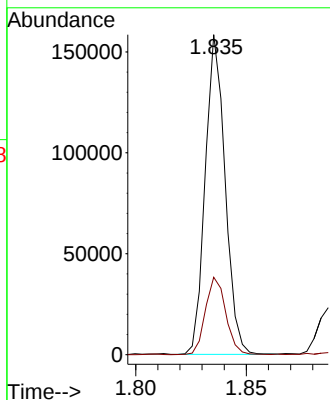
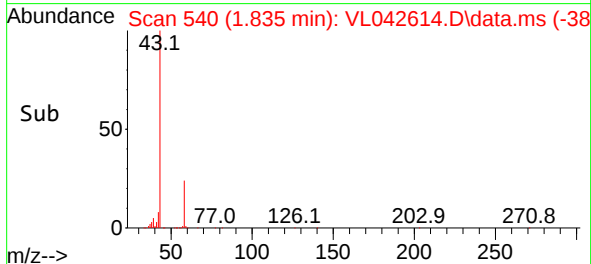
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



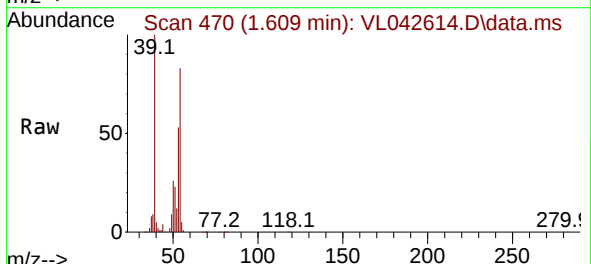
Tgt Ion: 43 Resp: 98940
Ion Ratio Lower Upper
43 100
58 25.1 21.0 31.4

Manual Integrations
APPROVED

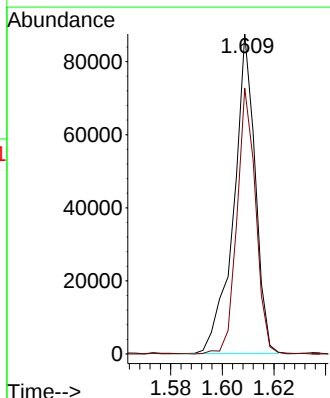
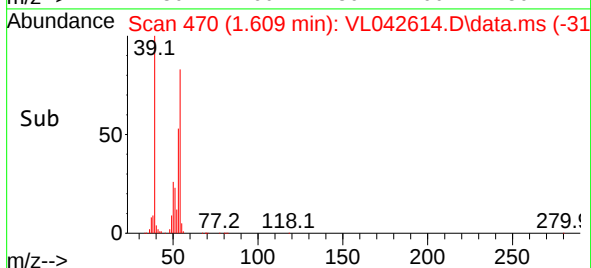
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#16
1,3-Butadiene
Concen: 8.759 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



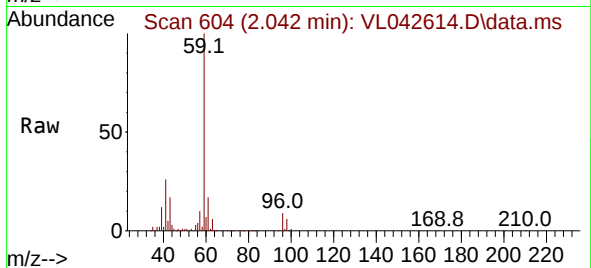
Tgt Ion: 39 Resp: 50824
Ion Ratio Lower Upper
39 100
54 72.1 57.9 86.9





#17
tert-Butyl alcohol
Concen: 8.980 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

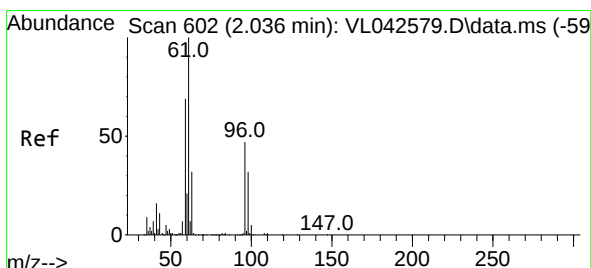
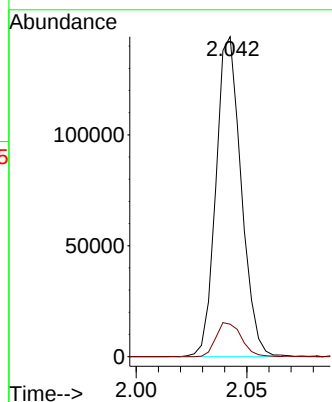
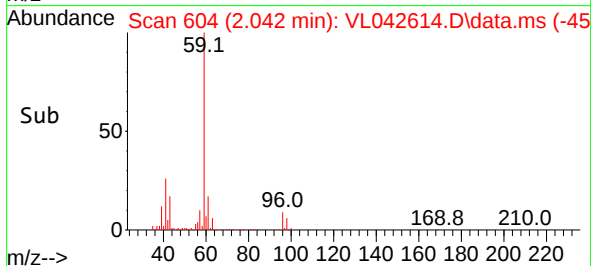
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



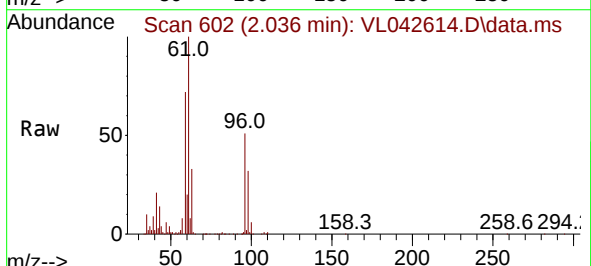
Tgt Ion: 59 Resp: 114594
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

Manual Integrations
APPROVED

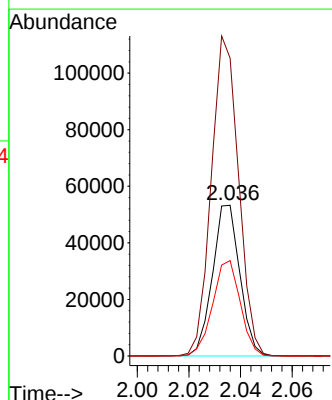
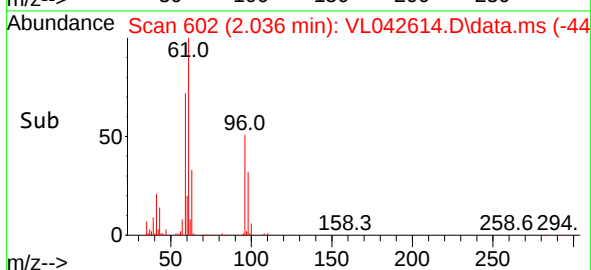
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

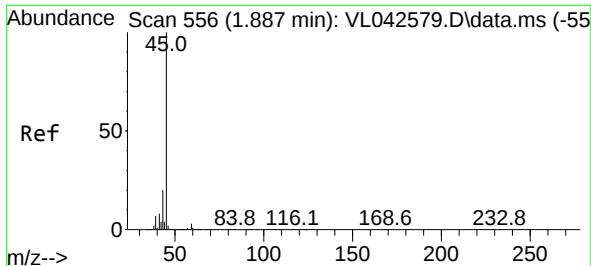


#18
1,1-Dichloroethene
Concen: 9.257 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



Tgt Ion: 96 Resp: 39181
Ion Ratio Lower Upper
96 100
61 197.3 171.1 256.7
98 63.3 54.4 81.6





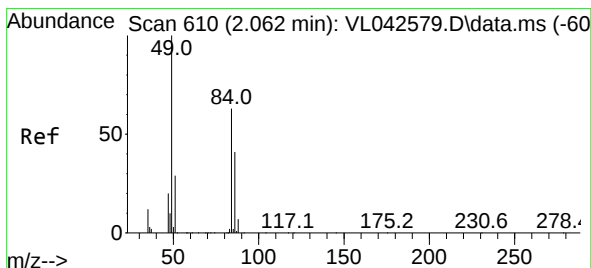
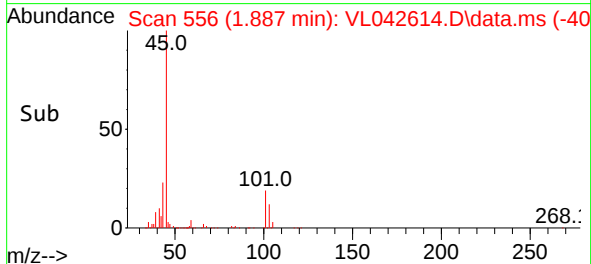
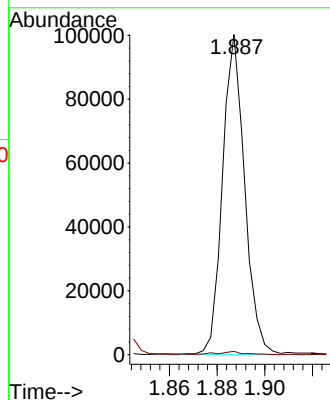
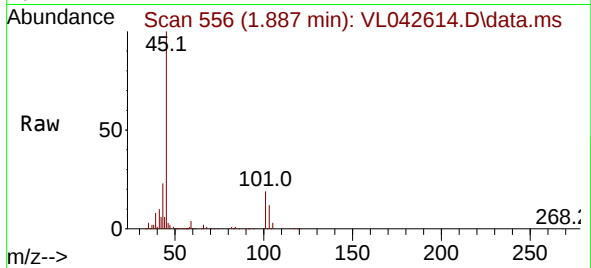
#19
Isopropyl Alcohol
Concen: 8.766 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 64194
Ion Ratio Lower Upper
45 100
58 38.7 29.4 44.2

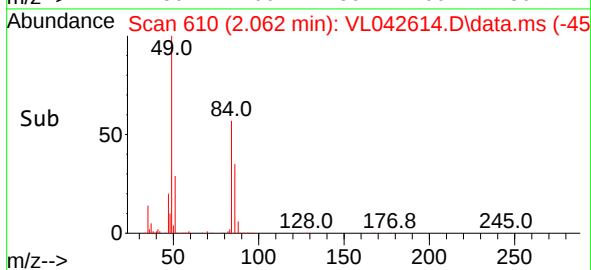
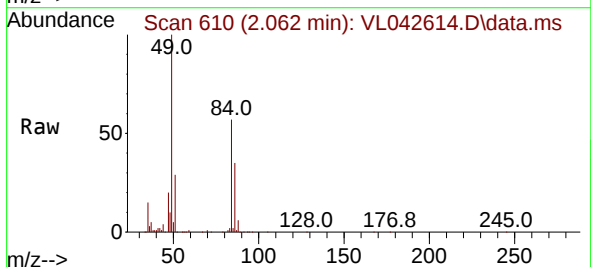
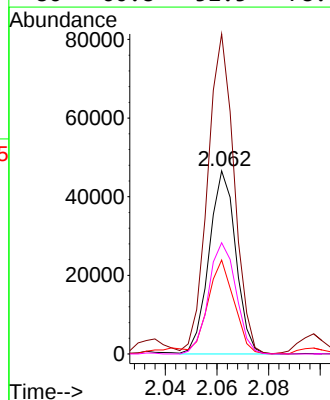
Manual Integrations
APPROVED

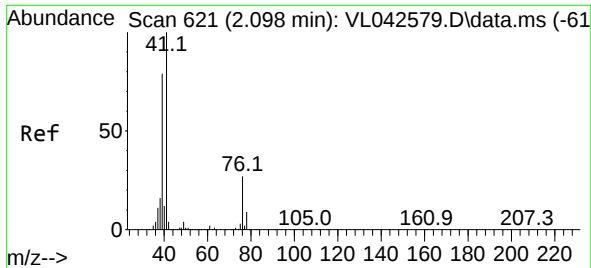
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#20
Methylene Chloride
Concen: 8.295 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

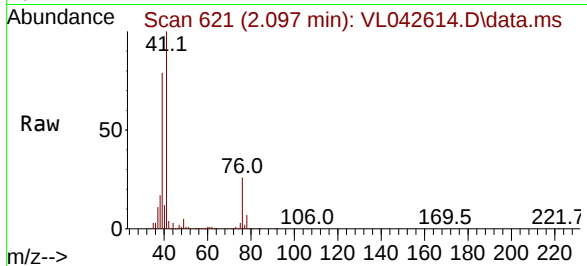
Tgt Ion: 84 Resp: 33533
Ion Ratio Lower Upper
84 100
49 174.3 128.8 193.2
51 50.8 38.6 57.8
86 60.8 52.5 78.7





#21
 Allyl Chloride
 Concen: 9.083 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

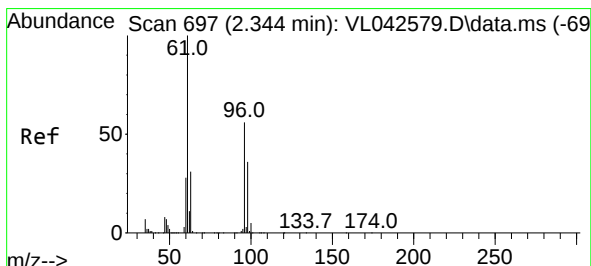
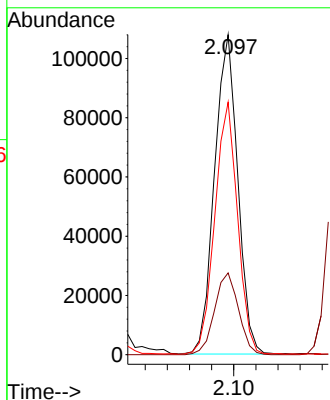
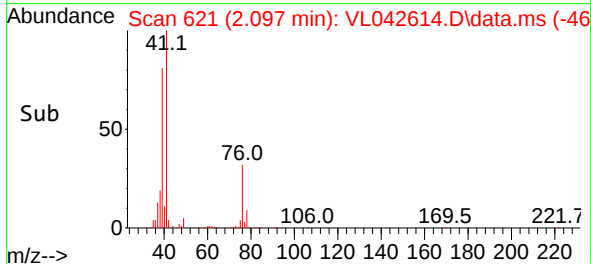
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



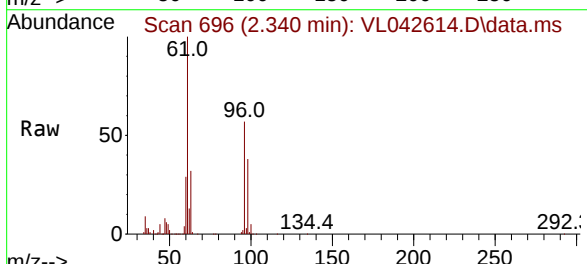
Tgt Ion: 41 Resp: 78502
 Ion Ratio Lower Upper
 41 100
 76 26.3 21.2 31.8
 39 77.3 60.9 91.3

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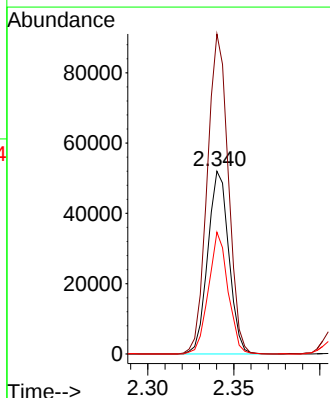
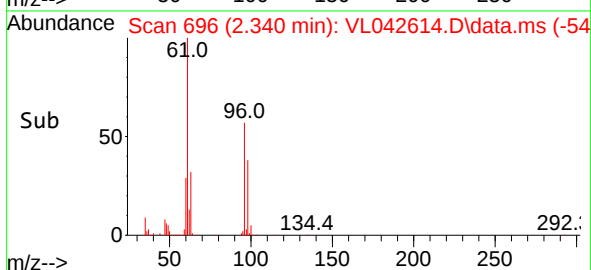
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

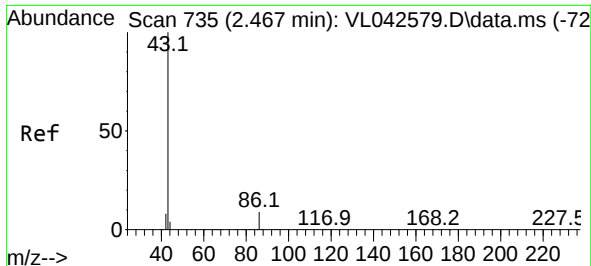


#22
 trans-1,2-Dichloroethene
 Concen: 9.346 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55



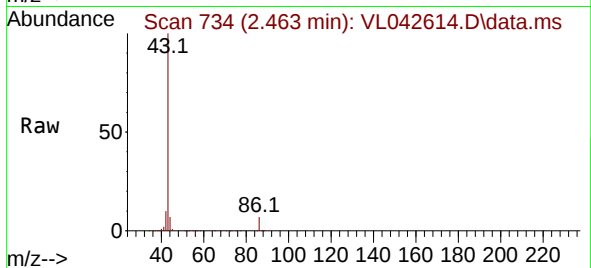
Tgt Ion: 96 Resp: 44188
 Ion Ratio Lower Upper
 96 100
 61 175.2 142.6 214.0
 98 66.6 51.0 76.4





#23
 Vinyl Acetate
 Concen: 11.186 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

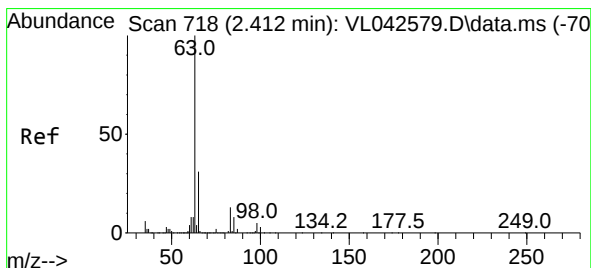
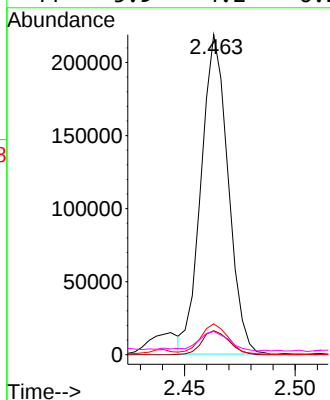
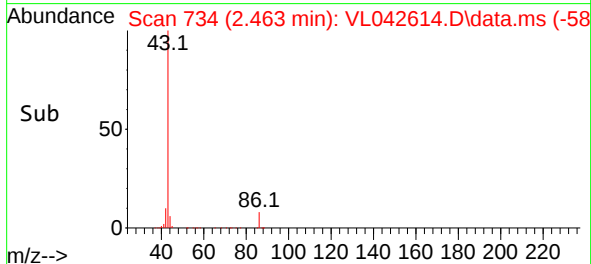
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



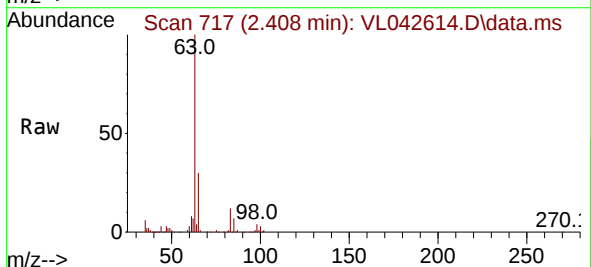
Tgt Ion: 43 Resp: 185225
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.6 9.8
 42 9.6 7.0 10.4
 44 5.9 4.2 6.2

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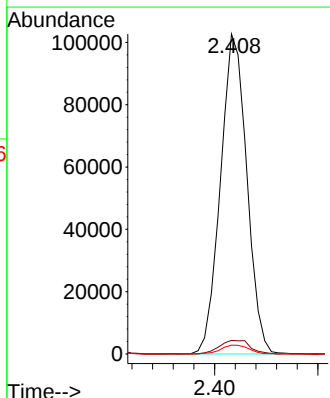
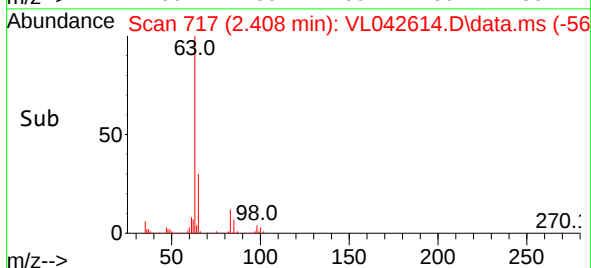
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#24
 1,1-Dichloroethane
 Concen: 9.350 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55



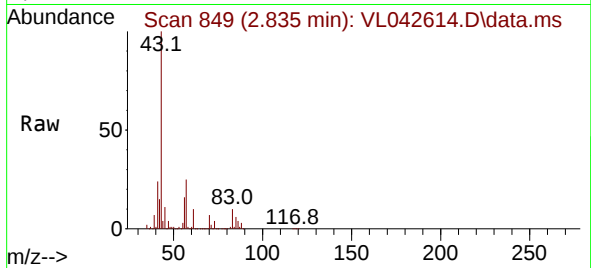
Tgt Ion: 63 Resp: 90948
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.4 7.1
 100 2.8 1.4 4.0





#25
Ethyl Acetate
Concen: 9.515 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

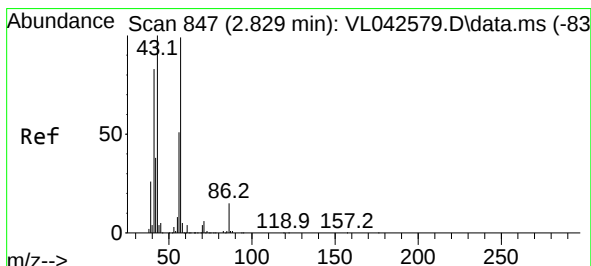
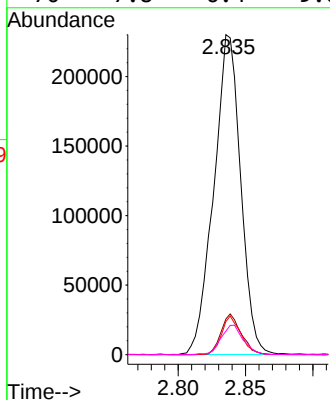
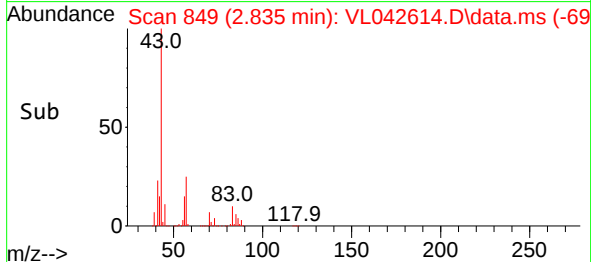
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 31895
Ion Ratio Lower Upper
43 100
45 9.7 8.2 12.2
61 8.8 7.1 10.7
70 7.8 6.4 9.6

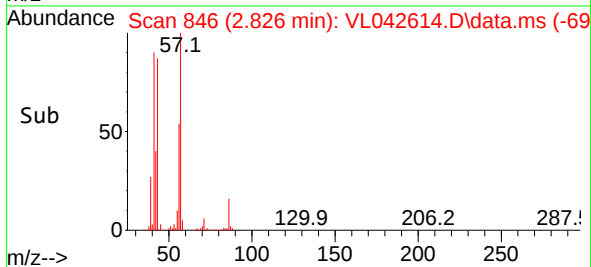
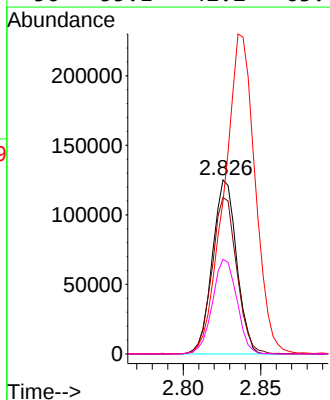
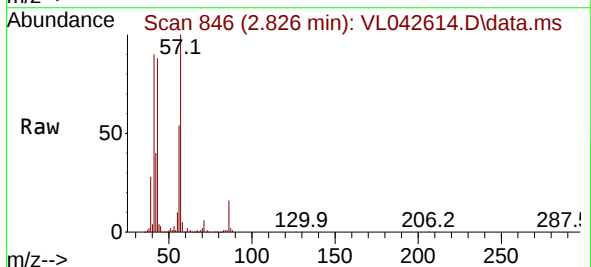
Manual Integrations
APPROVED

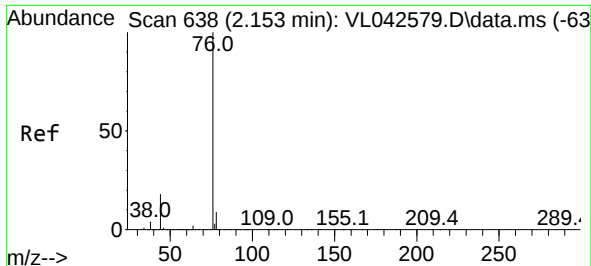
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#26
Hexane
Concen: 8.920 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

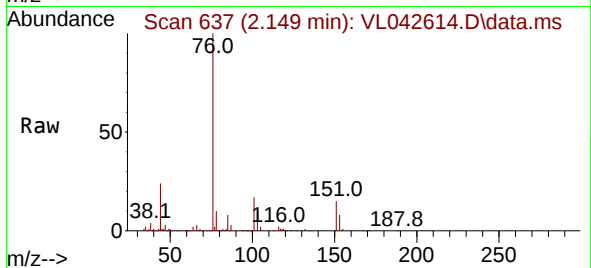
Tgt Ion: 57 Resp: 135874
Ion Ratio Lower Upper
57 100
41 92.6 70.6 106.0
43 236.4 181.1 271.7
56 55.1 42.2 63.4





#27
Carbon Disulfide
Concen: 9.413 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

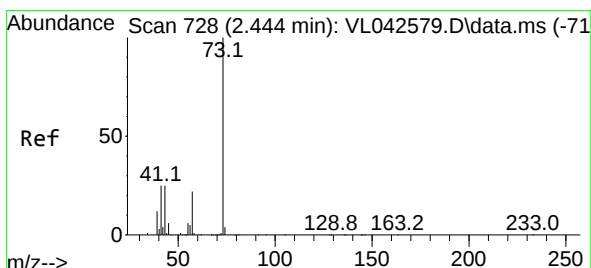
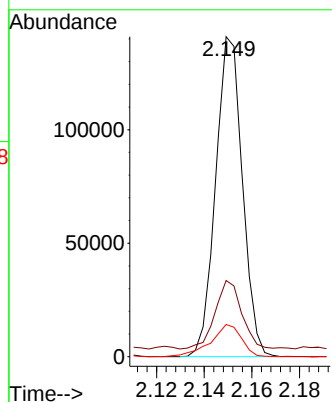
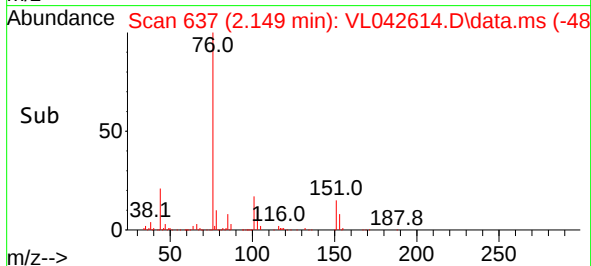
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 110072
Ion Ratio Lower Upper
76 100
44 22.5 21.3 31.9
78 11.6 9.4 14.0

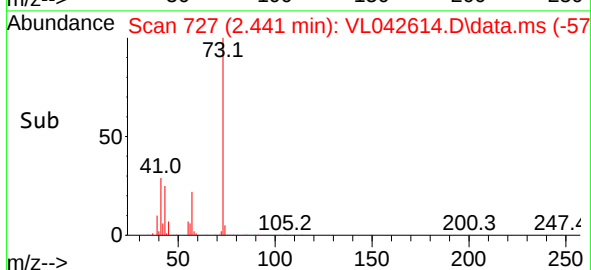
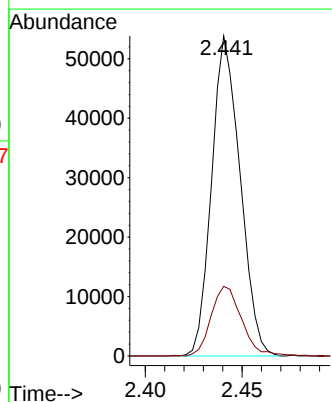
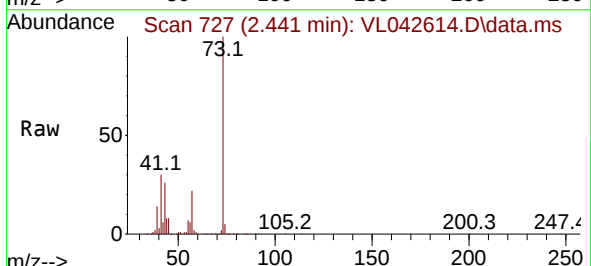
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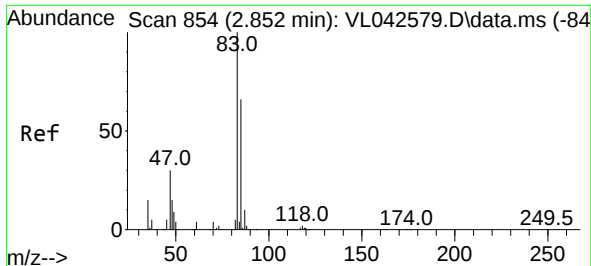
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#28
Methyl tert-Butyl Ether
Concen: 8.907 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion: 73 Resp: 55053
Ion Ratio Lower Upper
73 100
57 23.4 19.9 29.9





#29

Chloroform

Concen: 9.882 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 19574

Ion Ratio Lower Upper

83 100

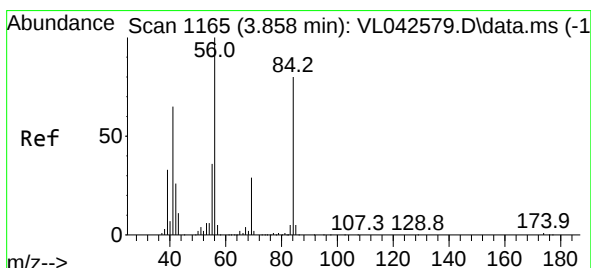
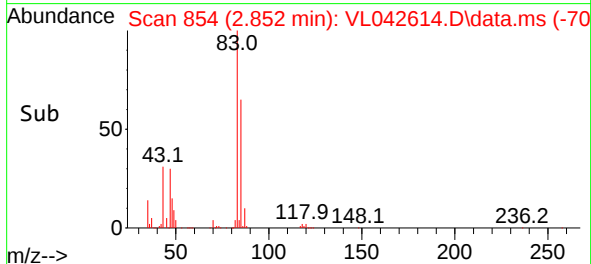
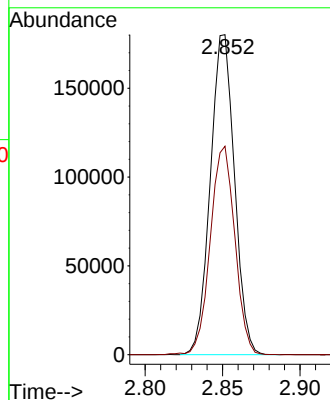
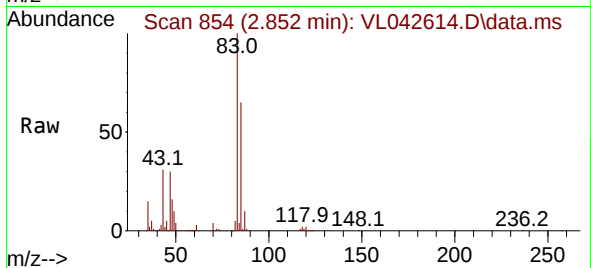
85 65.2 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#30

Cyclohexane

Concen: 8.874 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

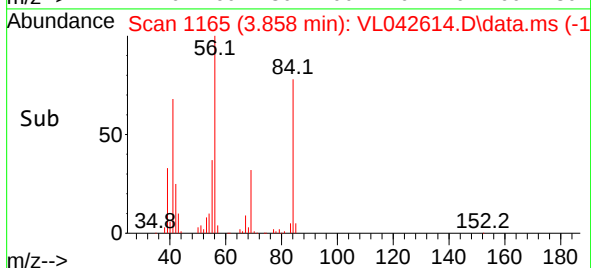
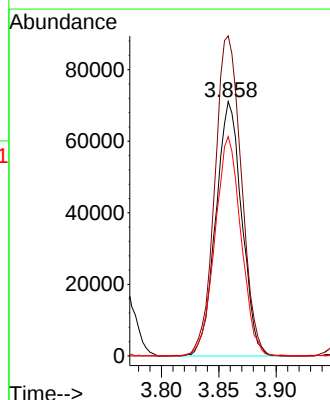
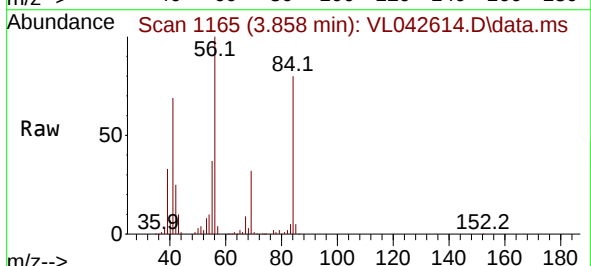
Tgt Ion: 84 Resp: 112054

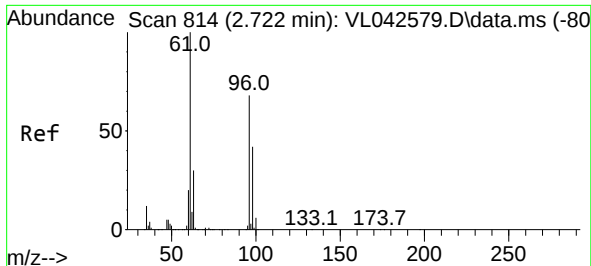
Ion Ratio Lower Upper

84 100

56 128.3 103.7 155.5

41 86.8 65.1 97.7





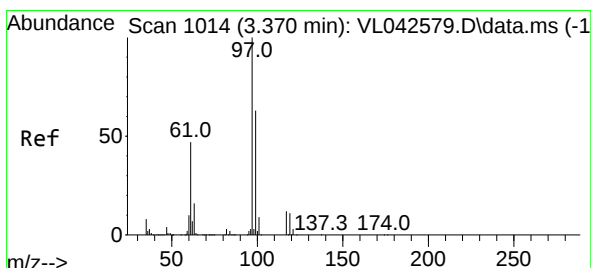
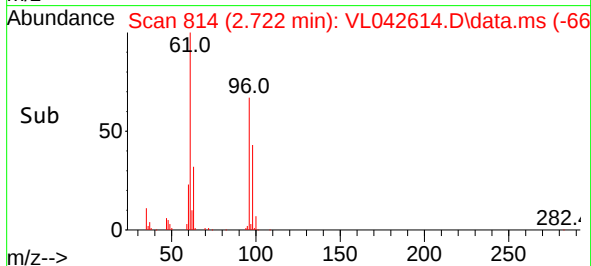
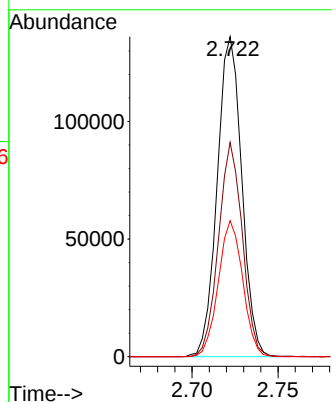
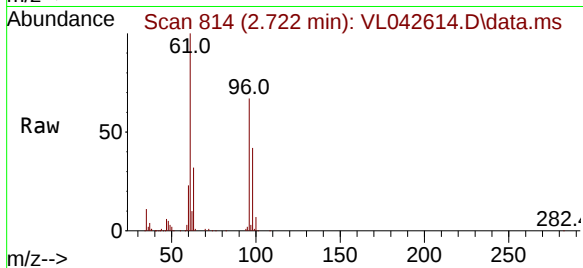
#31
 cis-1,2-Dichloroethene
 Concen: 9.720 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 135437
 Ion Ratio Lower Upper
 61 100
 96 66.9 54.5 81.7
 98 42.5 33.4 50.2

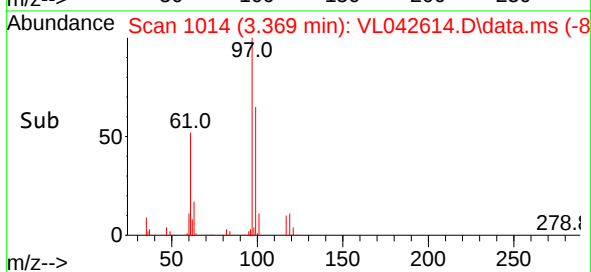
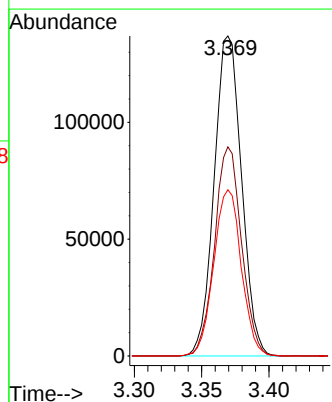
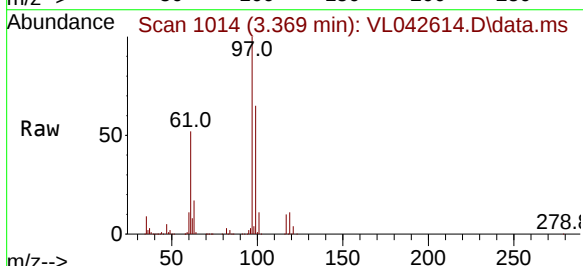
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.580 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

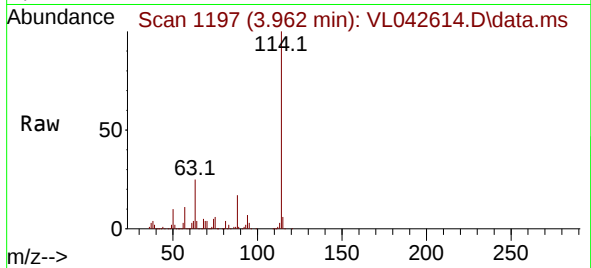
Tgt Ion: 97 Resp: 193883
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 52.3 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

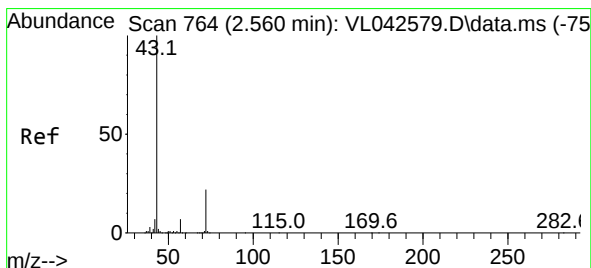
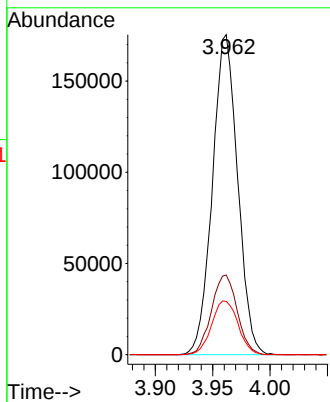
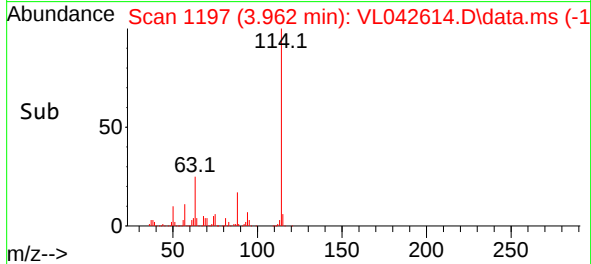
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:114 Resp: 26821
Ion Ratio Lower Upper
114 100
63 25.4 19.0 28.6
88 17.6 13.6 20.4

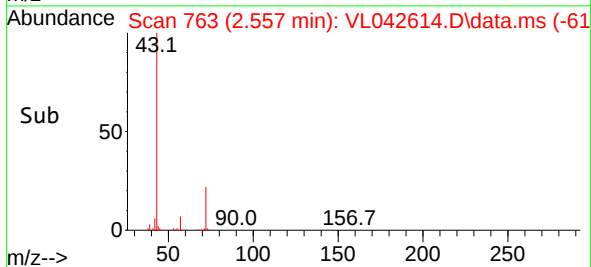
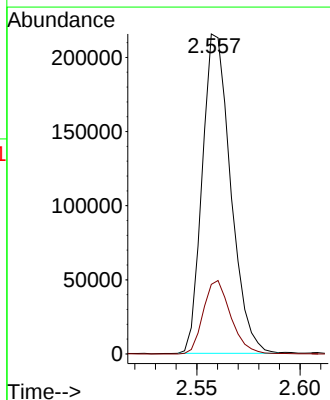
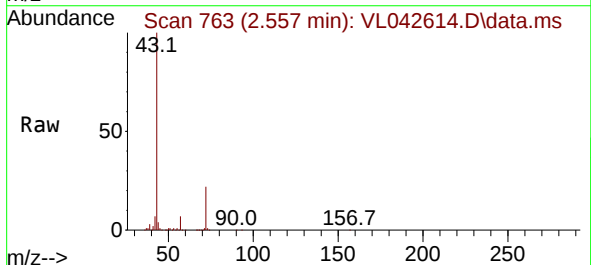
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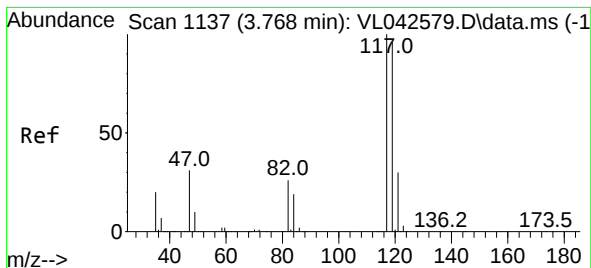
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#34
2-Butanone
Concen: 10.763 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion: 43 Resp: 205880
Ion Ratio Lower Upper
43 100
72 22.3 17.7 26.5





#35

Carbon Tetrachloride

Concen: 11.243 ppbv

RT: 3.764 min Scan# 1137

Delta R.T. -0.003 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 19905

Ion Ratio Lower Upper

117 100

119 96.3 76.8 115.2

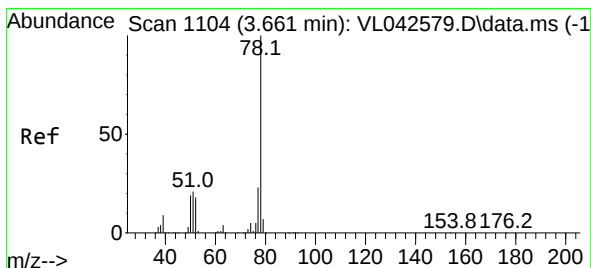
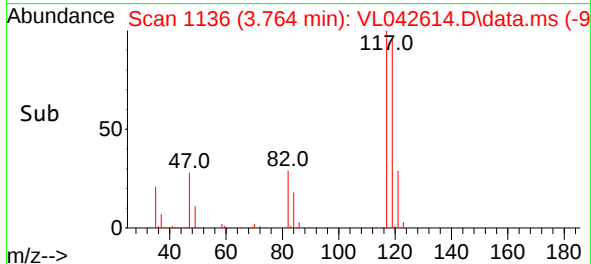
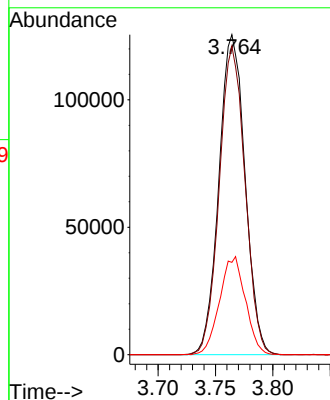
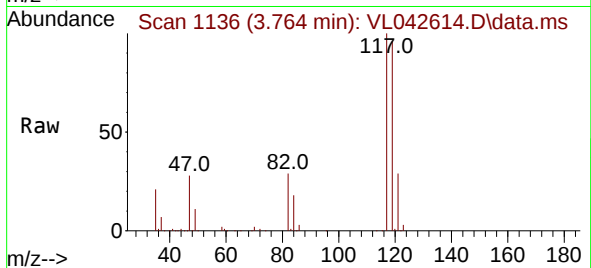
121 28.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#36

Benzene

Concen: 10.506 ppbv

RT: 3.657 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

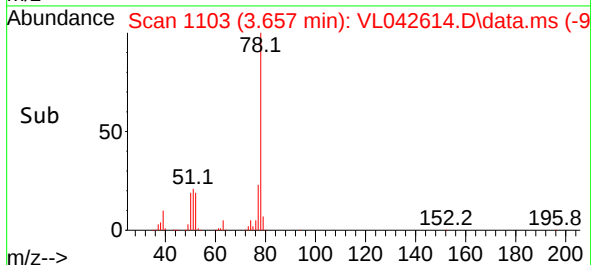
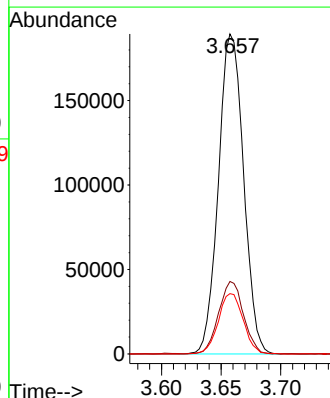
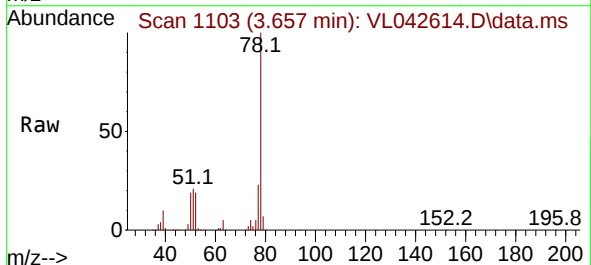
Tgt Ion: 78 Resp: 277497

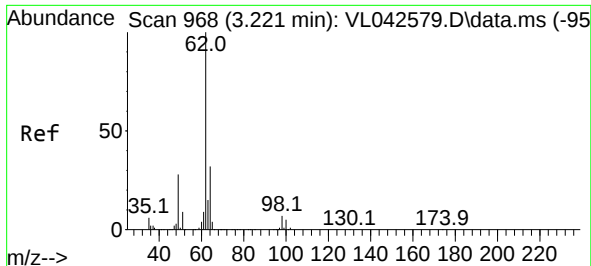
Ion Ratio Lower Upper

78 100

77 22.6 18.2 27.2

50 18.8 15.2 22.8





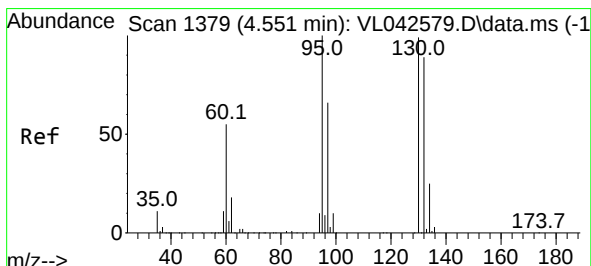
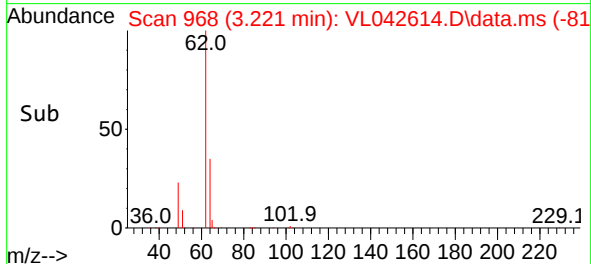
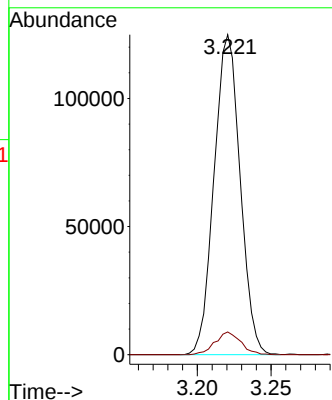
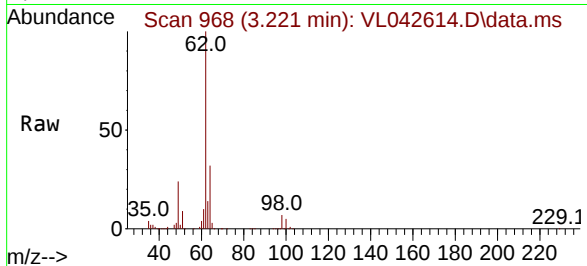
#37
1,2-Dichloroethane
Concen: 11.684 ppbv
RT: 3.221 min Scan# 90
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 15337
Ion Ratio Lower Upper
62 100
98 7.0 6.1 9.1

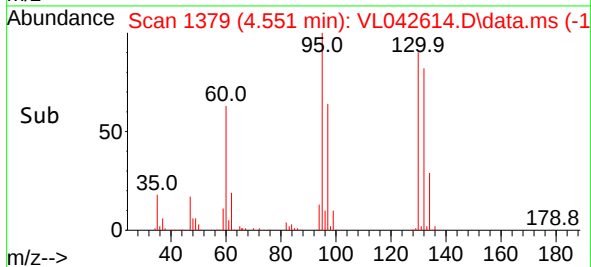
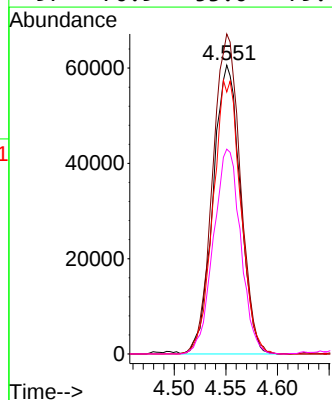
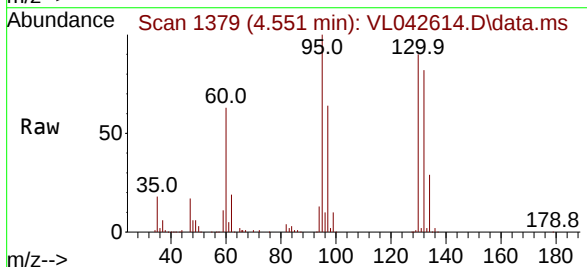
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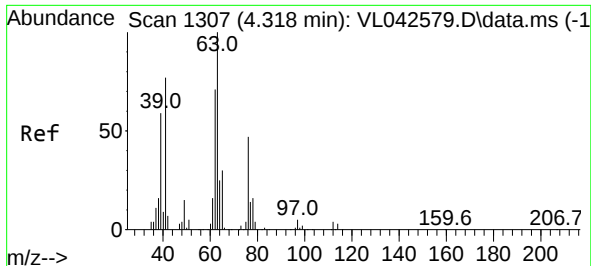
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#38
Trichloroethene
Concen: 9.919 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion:130 Resp: 111360
Ion Ratio Lower Upper
130 100
95 110.8 80.6 121.0
132 90.7 71.8 107.6
97 70.9 53.0 79.4





#39

1,2-Dichloropropane

Concen: 10.406 ppbv

RT: 4.315 min Scan# 1307

Delta R.T. -0.003 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 101638

Ion Ratio Lower Upper

63 100

41 75.8 61.8 92.6

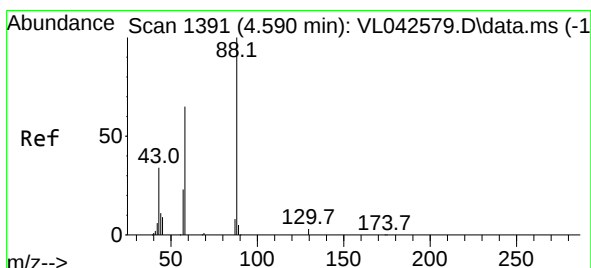
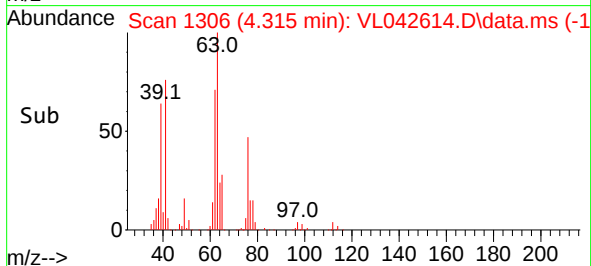
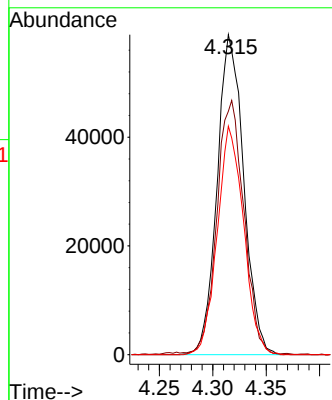
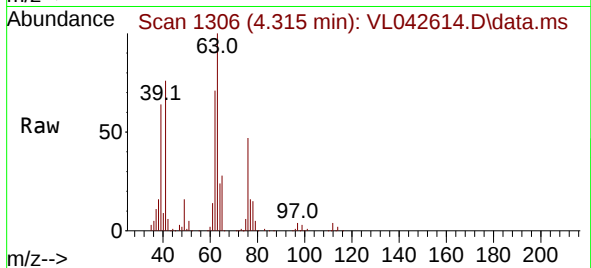
62 71.4 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#40

1,4-Dioxane

Concen: 10.149 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. -0.003 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Tgt Ion: 88 Resp: 44359

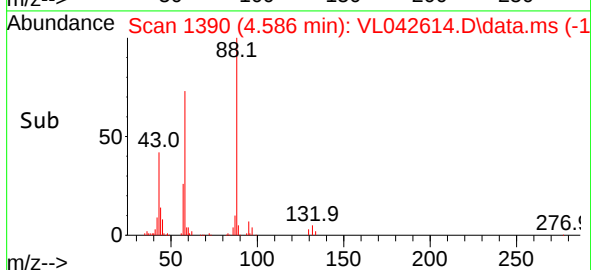
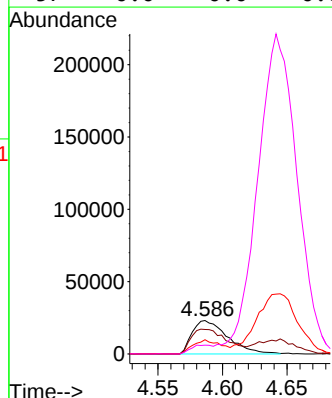
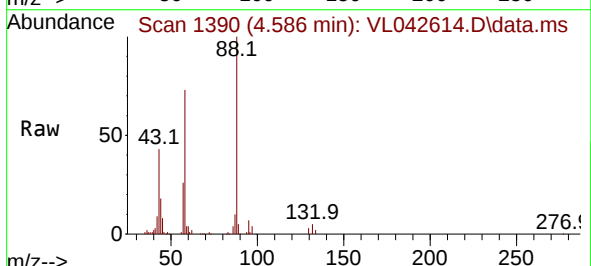
Ion Ratio Lower Upper

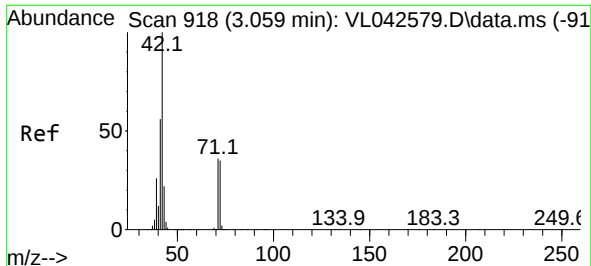
88 100

58 73.6 55.8 83.8

43 33.0 24.8 37.2

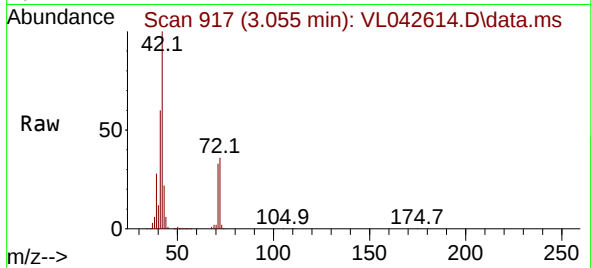
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.303 ppbv
RT: 3.055 min Scan# 918
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

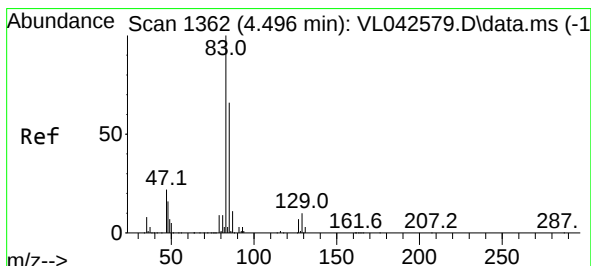
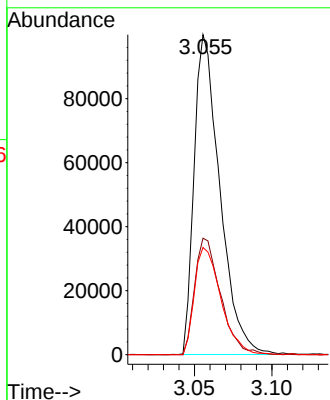
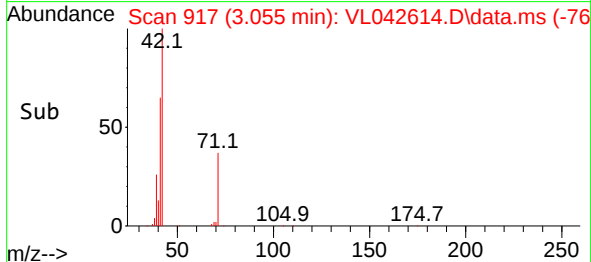
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



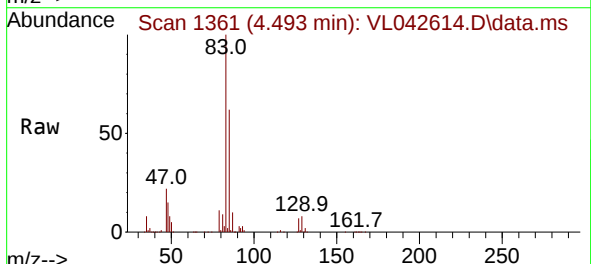
Tgt Ion: 42 Resp: 115360
Ion Ratio Lower Upper
42 100
72 36.5 28.9 43.3
71 34.7 28.5 42.7

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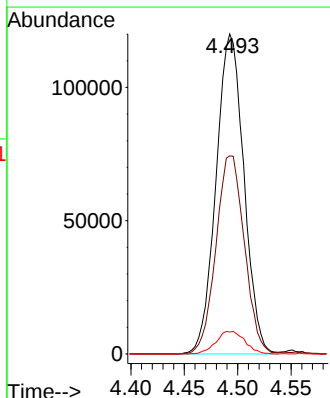
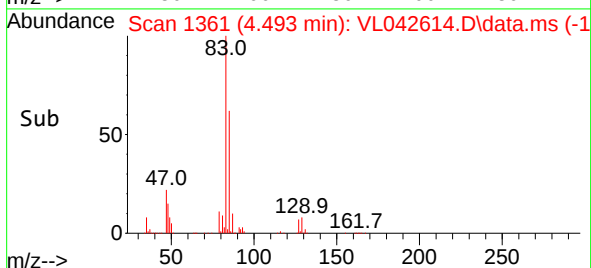
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

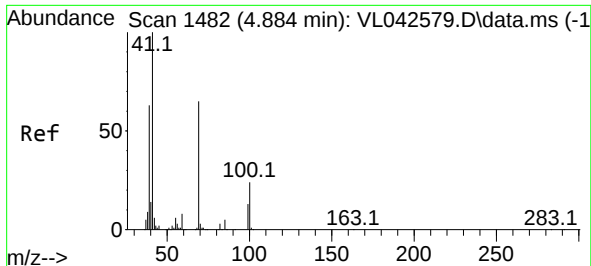


#42
Bromodichloromethane
Concen: 11.678 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



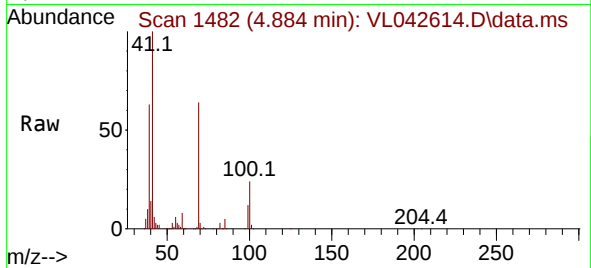
Tgt Ion: 83 Resp: 217739
Ion Ratio Lower Upper
83 100
85 61.9 52.7 79.1
127 6.9 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.402 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

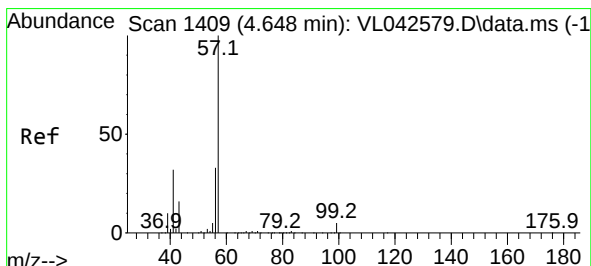
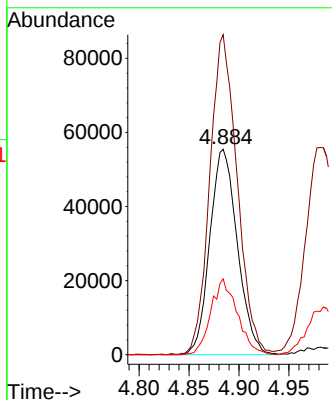
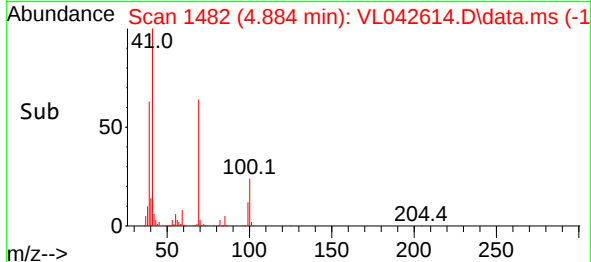
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



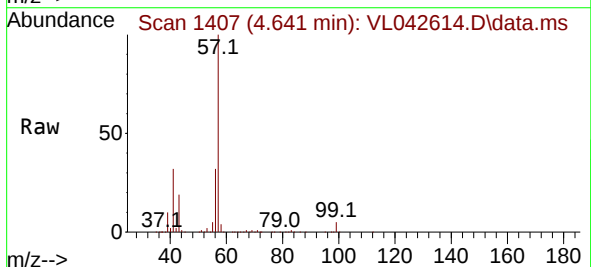
Tgt Ion: 69 Resp: 106630
Ion Ratio Lower Upper
69 100
41 154.9 124.6 187.0
100 35.4 29.9 44.9

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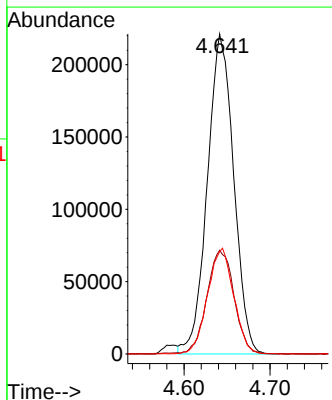
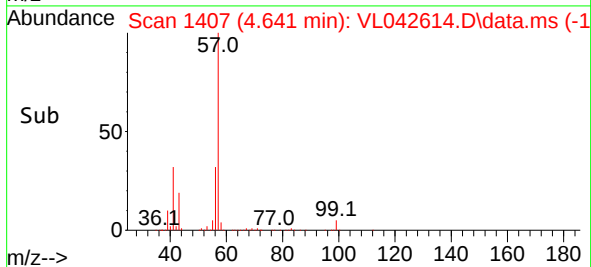
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

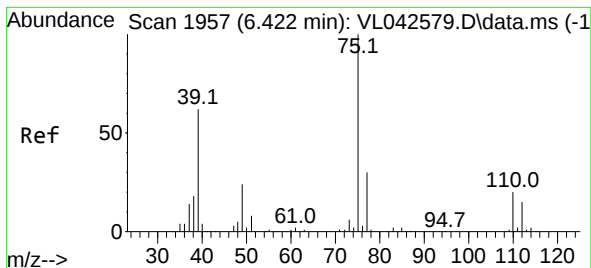


#44
2,2,4-Trimethylpentane
Concen: 10.417 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.007 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



Tgt Ion: 57 Resp: 470653
Ion Ratio Lower Upper
57 100
41 33.7 26.1 39.1
56 32.9 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.373 ppbv

RT: 6.422 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 12168

Ion Ratio Lower Upper

75 100

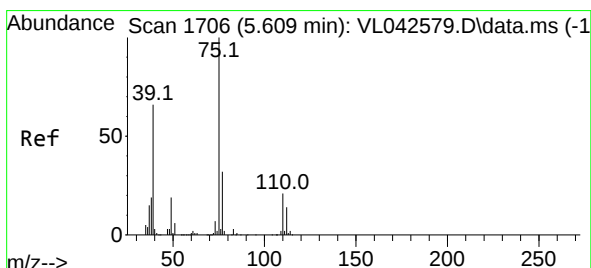
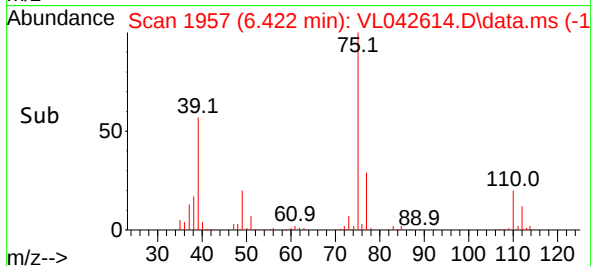
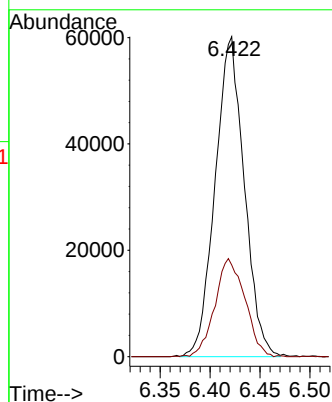
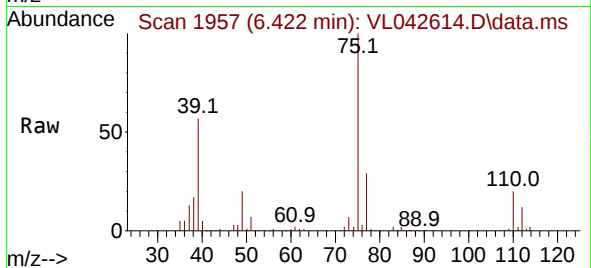
77 28.6 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#46

cis-1,3-Dichloropropene

Concen: 10.491 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. -0.007 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

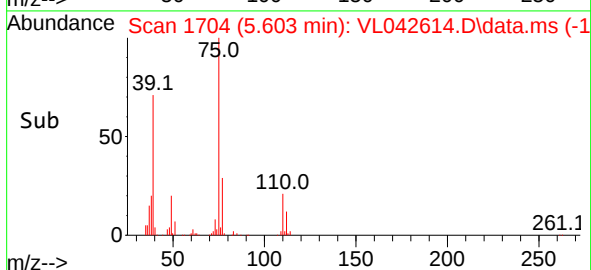
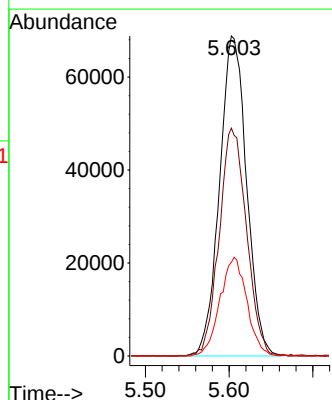
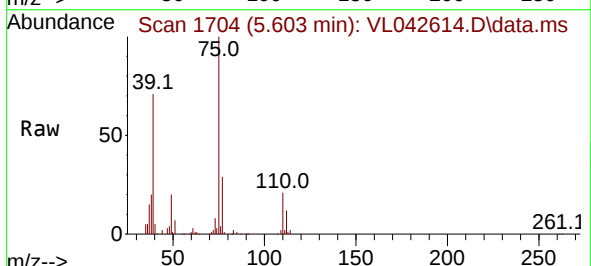
Tgt Ion: 75 Resp: 154211

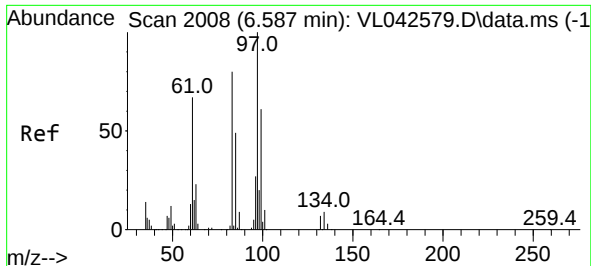
Ion Ratio Lower Upper

75 100

39 71.0 52.7 79.1

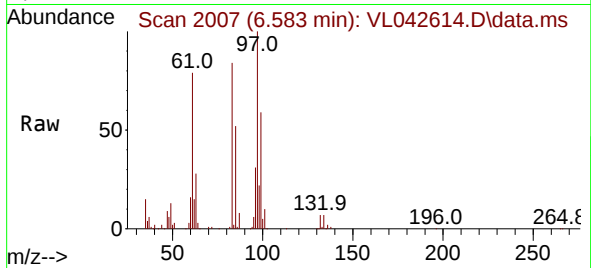
77 29.3 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 10.467 ppbv
RT: 6.583 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

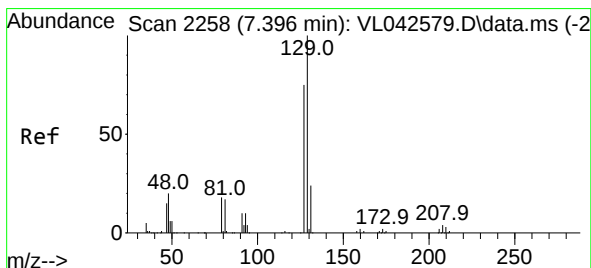
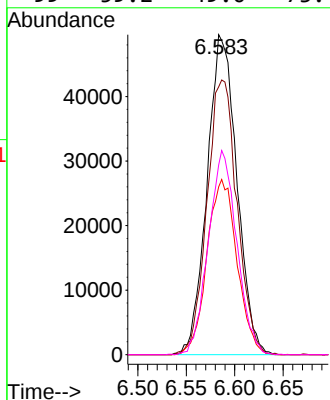
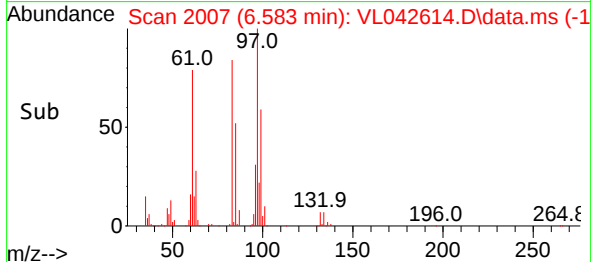
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 10583
Ion Ratio Lower Upper
97 100
83 83.6 63.9 95.9
85 52.5 39.2 58.8
99 59.2 49.0 73.4

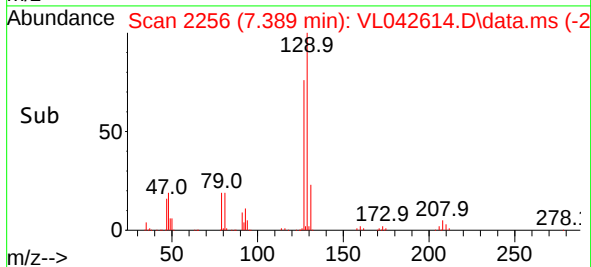
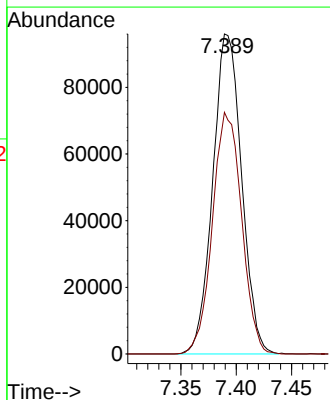
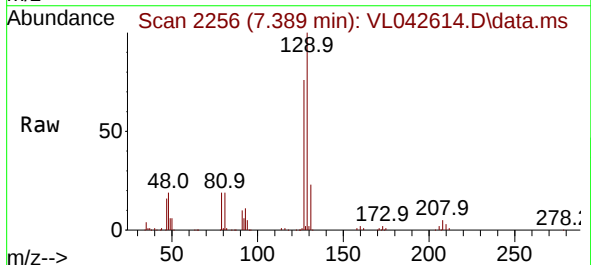
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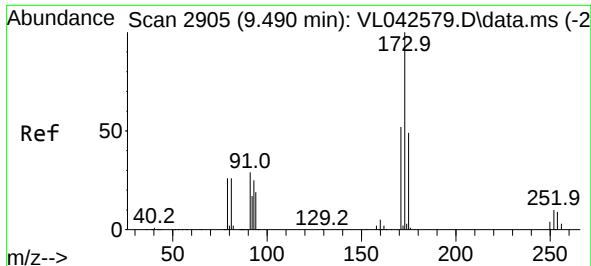
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#48
Dibromochloromethane
Concen: 10.765 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.007 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

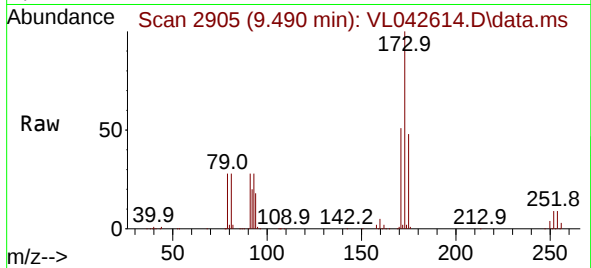
Tgt Ion:129 Resp: 174247
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





#49
Bromoform
Concen: 10.749 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

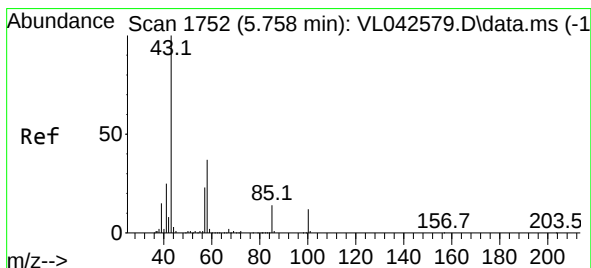
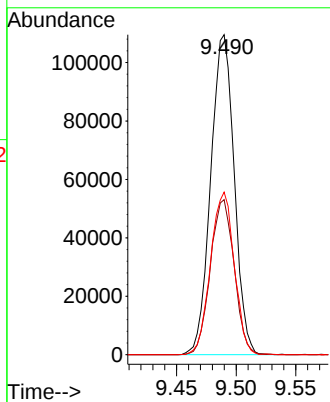
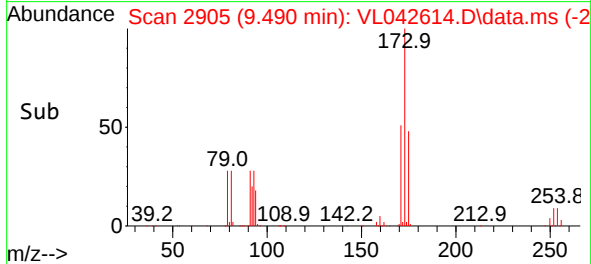
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



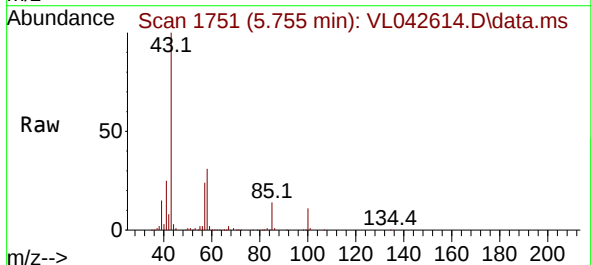
Tgt Ion: 173 Resp: 150120
Ion Ratio Lower Upper
173 100
175 49.1 38.7 58.1
171 51.4 41.2 61.8

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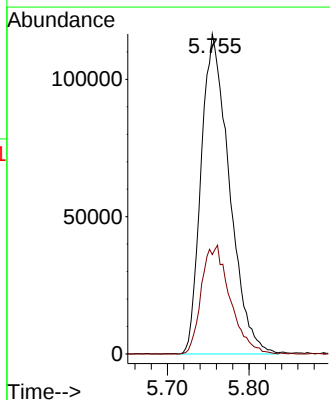
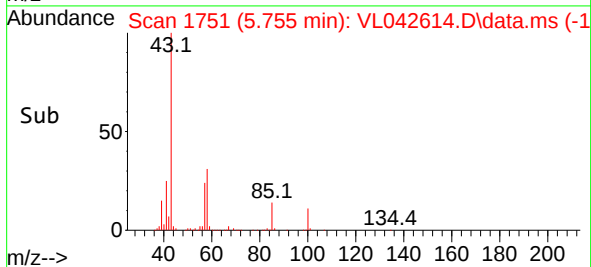
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

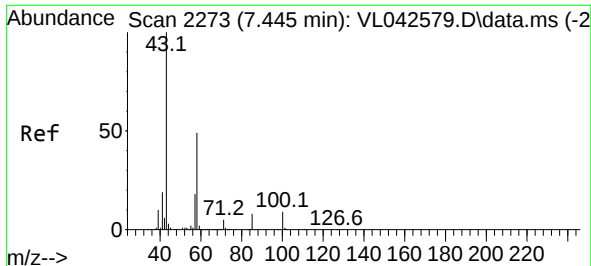


#50
4-Methyl-2-Pentanone
Concen: 10.572 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



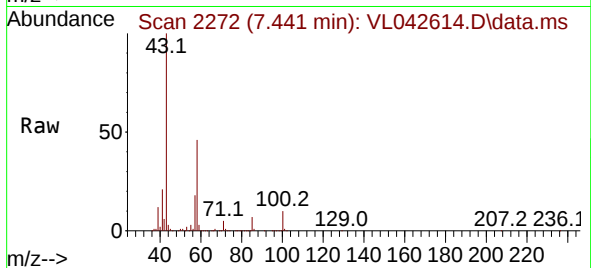
Tgt Ion: 43 Resp: 280472
Ion Ratio Lower Upper
43 100
58 34.5 28.3 42.5





#51
2-Hexanone
Concen: 10.845 ppbv
RT: 7.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

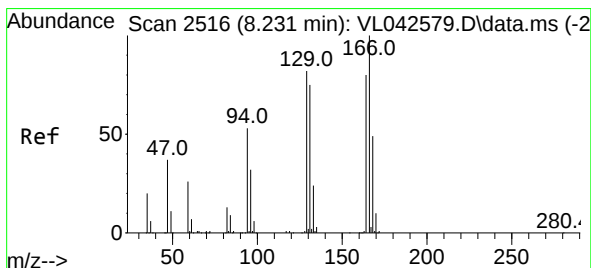
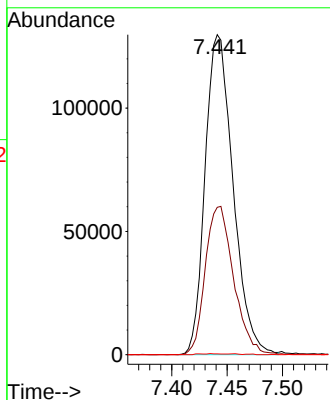
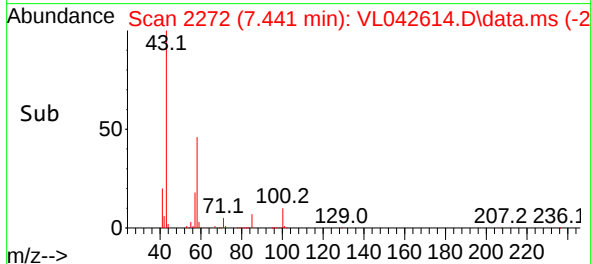
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 22819
Ion Ratio Lower Upper
43 100
58 47.1 39.9 59.9
98 0.4 0.1 0.1

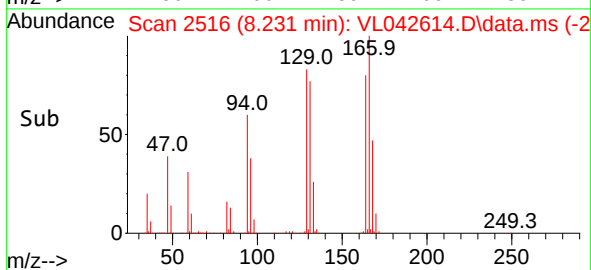
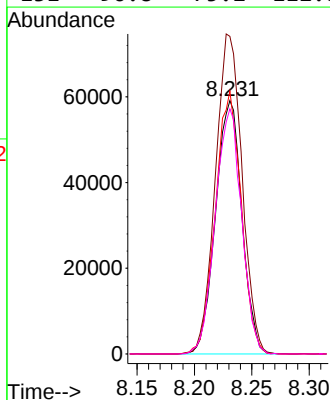
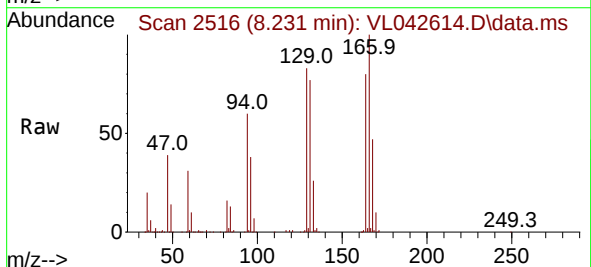
Manual Integrations
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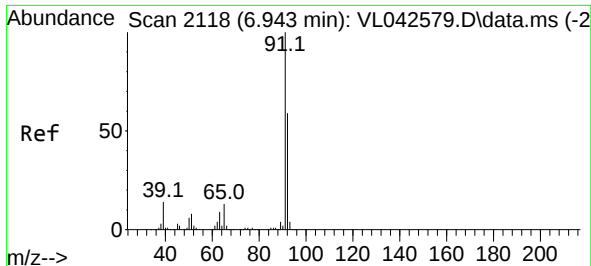
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#52
Tetrachloroethene
Concen: 9.537 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

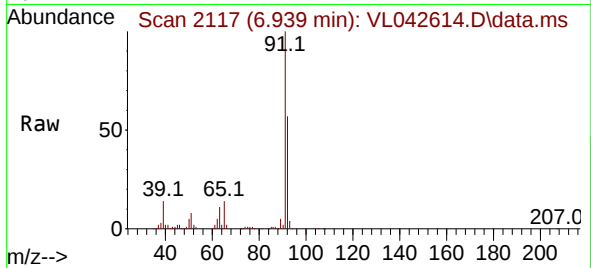
Tgt Ion:164 Resp: 94128
Ion Ratio Lower Upper
164 100
166 125.4 100.0 150.0
129 103.8 82.2 123.4
131 96.8 75.2 112.8





#53
Toluene
Concen: 10.114 ppbv
RT: 6.939 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

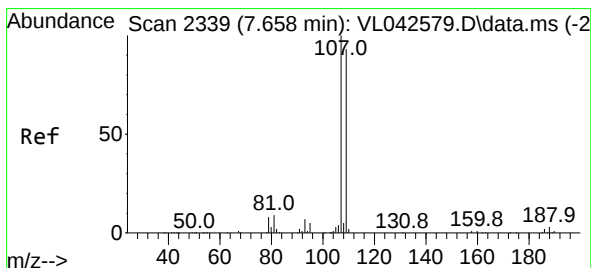
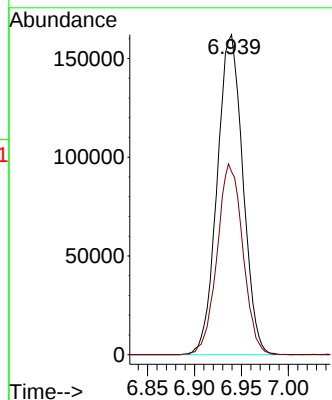
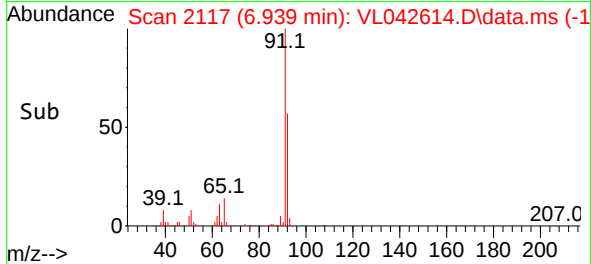
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 30875
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.4

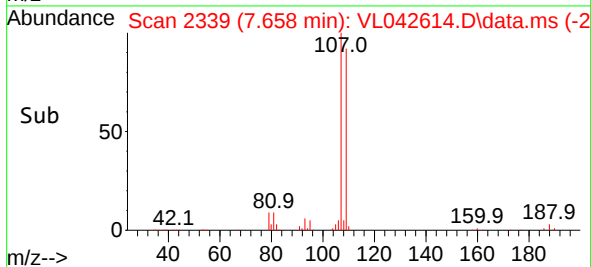
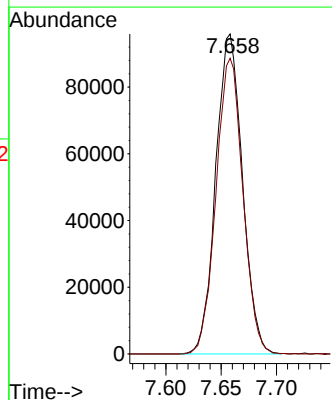
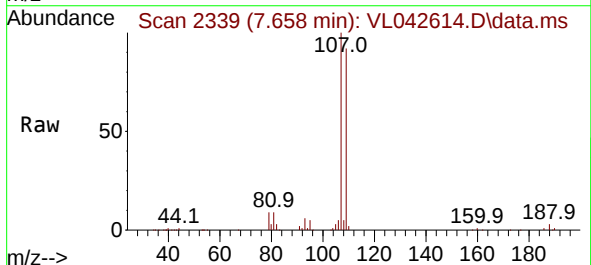
Manual Integrations
APPROVED

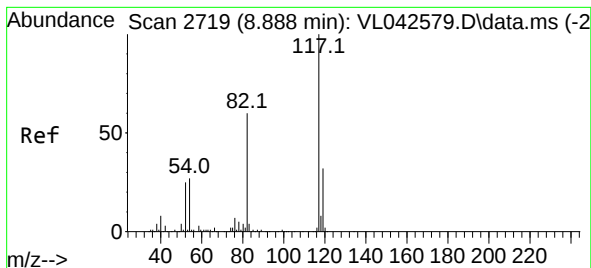
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#54
1,2-Dibromoethane
Concen: 10.732 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion:107 Resp: 160618
Ion Ratio Lower Upper
107 100
109 92.4 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 242660

Ion Ratio Lower Upper

117 100

82 67.9 51.2 76.8

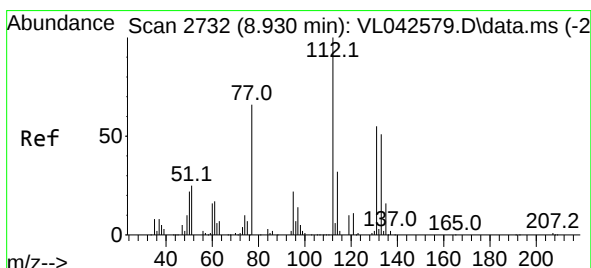
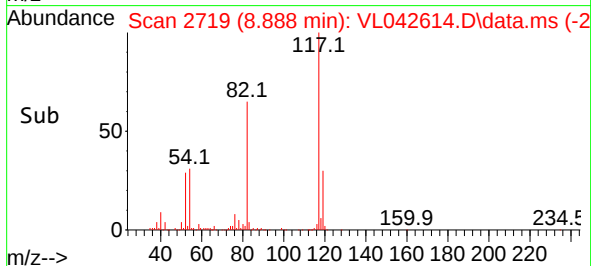
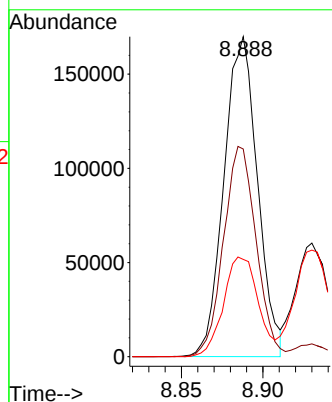
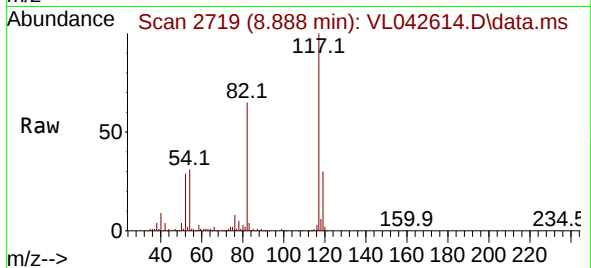
119 33.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.777 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

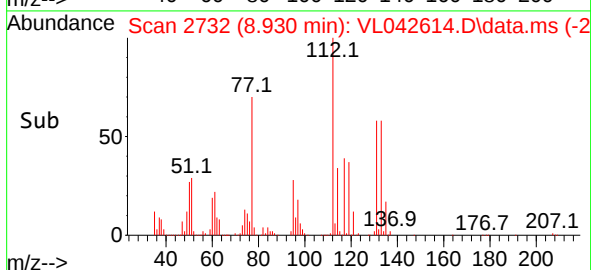
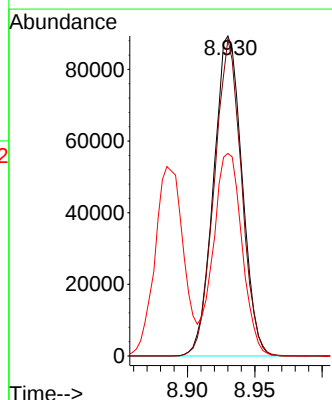
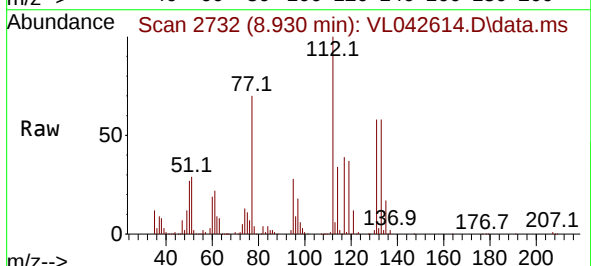
Tgt Ion:131 Resp: 131500

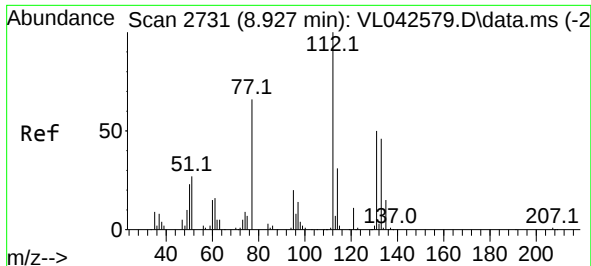
Ion Ratio Lower Upper

131 100

133 94.6 75.0 112.6

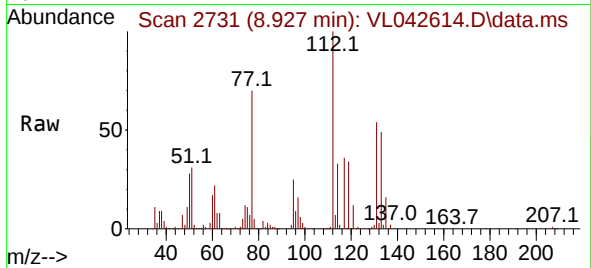
119 63.8 50.8 76.2





#57
Chlorobenzene
Concen: 10.154 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

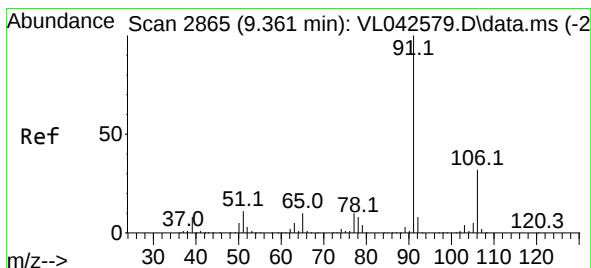
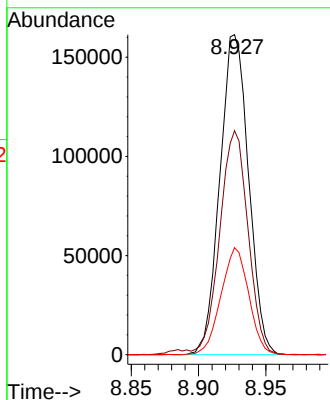
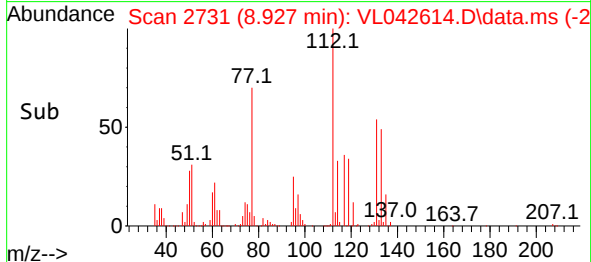
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 23924
Ion Ratio Lower Upper
112 100
77 69.7 53.5 80.3
114 33.5 27.8 34.0

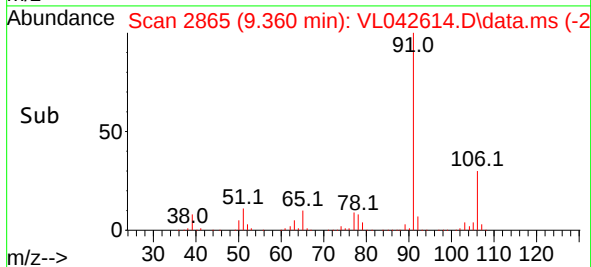
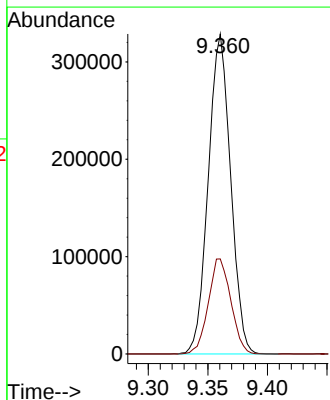
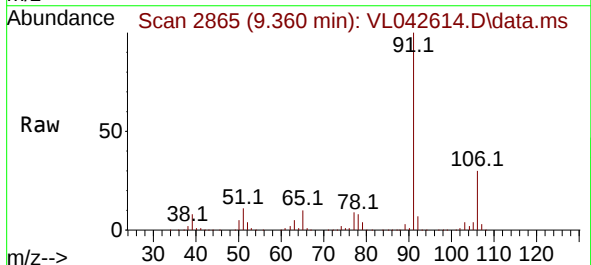
Manual Integrations
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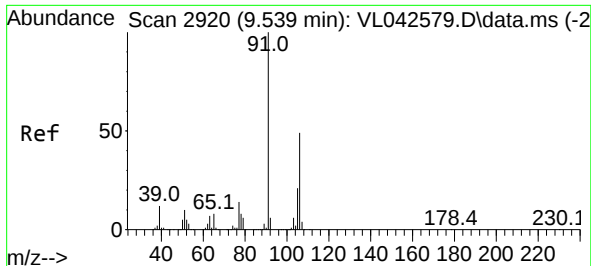
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#58
Ethyl Benzene
Concen: 10.408 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion: 91 Resp: 428397
Ion Ratio Lower Upper
91 100
106 29.7 25.9 38.9





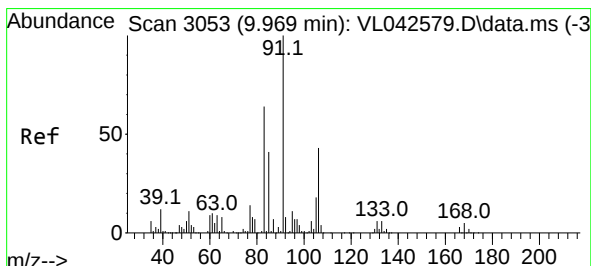
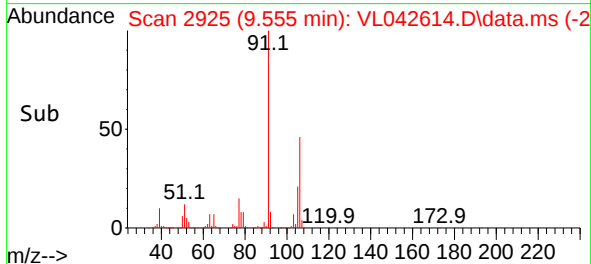
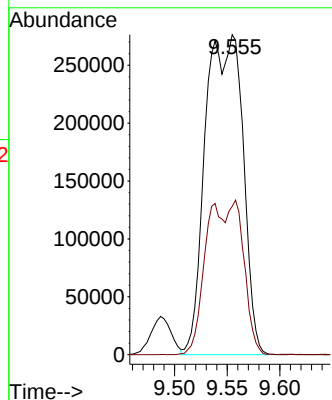
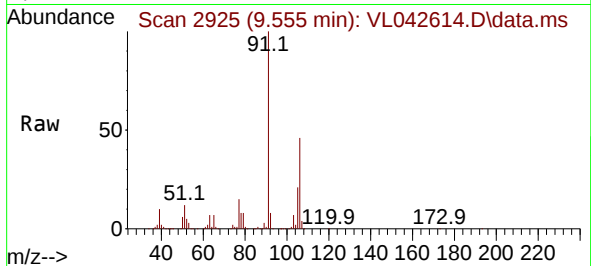
#59
m/p-Xylene
Concen: 21.165 ppbv m
RT: 9.555 min Scan# 2925
Delta R.T. 0.016 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 685564
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

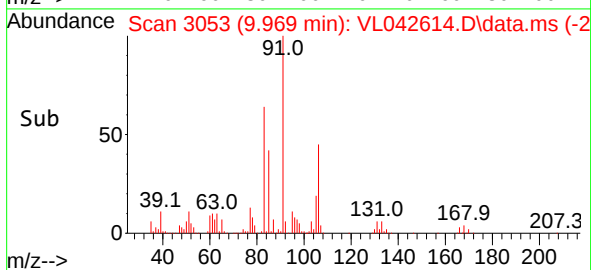
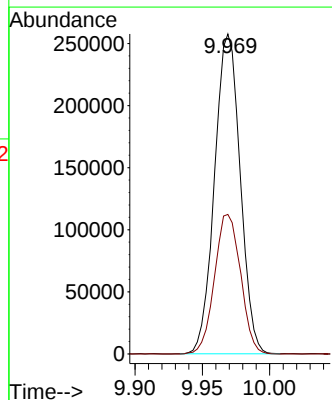
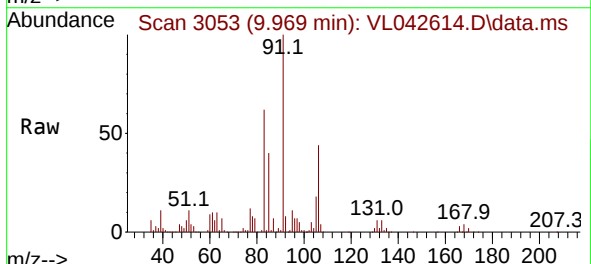
Manual Integrations
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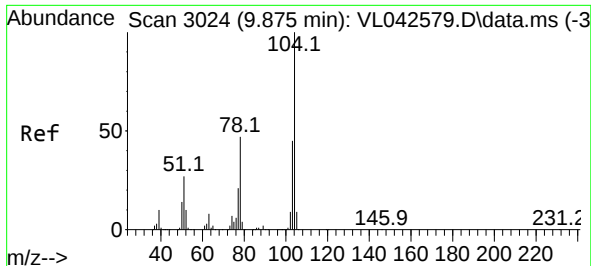
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#60
o-Xylene
Concen: 10.552 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Tgt Ion: 91 Resp: 340908
Ion Ratio Lower Upper
91 100
106 44.4 22.9 68.5





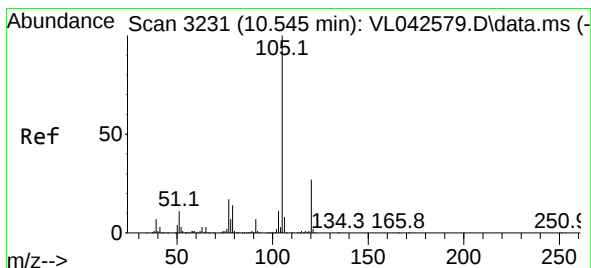
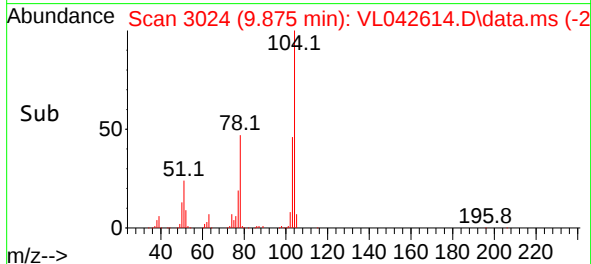
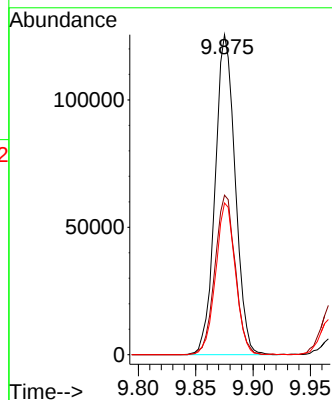
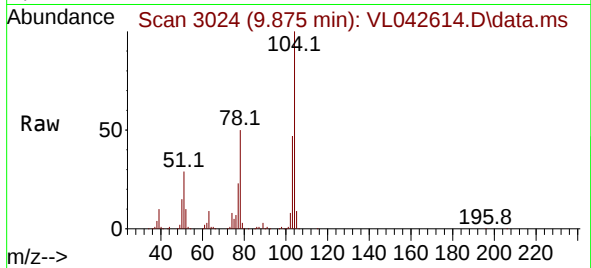
#61
Styrene
Concen: 9.999 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 15273
Ion Ratio Lower Upper
104 100
78 50.6 38.2 57.4
103 46.8 36.7 55.1

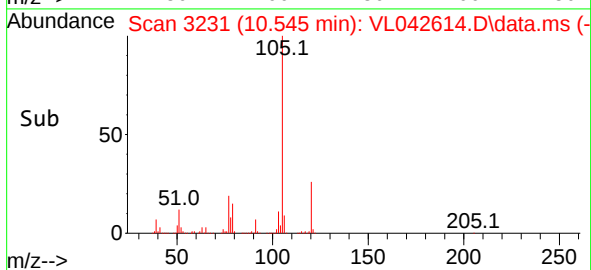
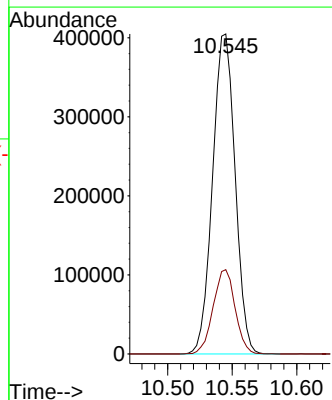
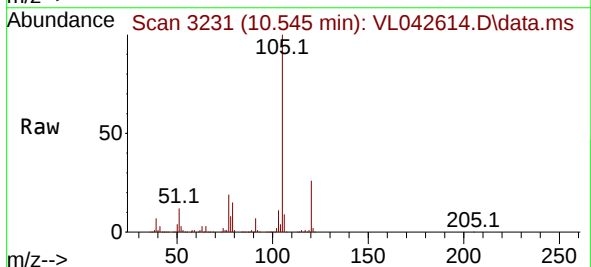
Manual Integrations
APPROVED

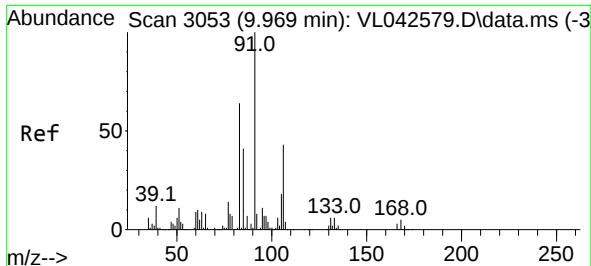
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#62
Isopropylbenzene
Concen: 10.274 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

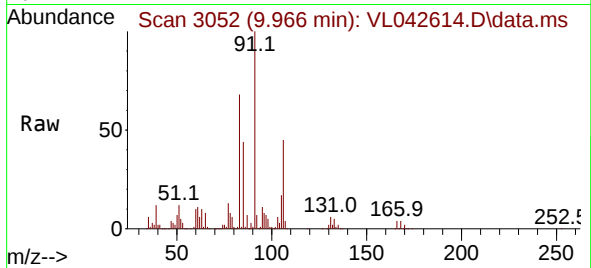
Tgt Ion:105 Resp: 490365
Ion Ratio Lower Upper
105 100
120 25.7 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 10.389 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

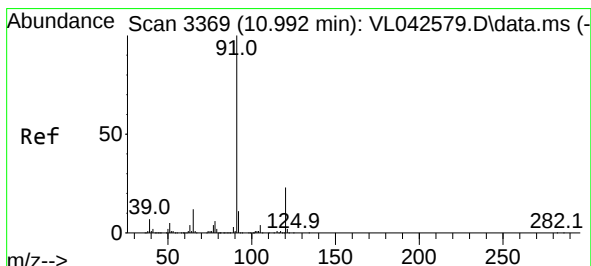
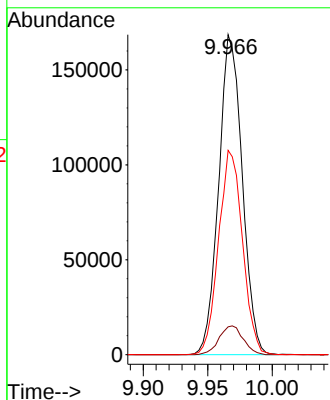
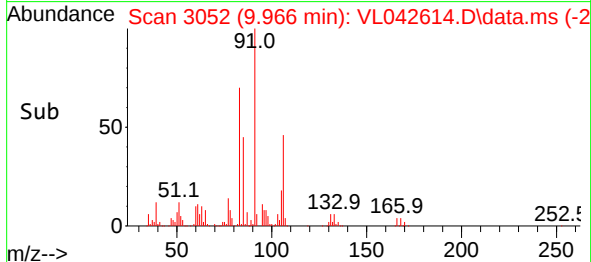
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



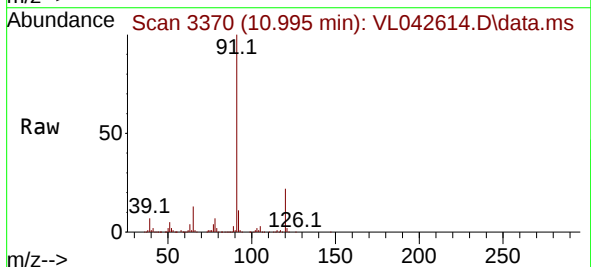
Tgt Ion: 83 Resp: 213414
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.4
85 64.9 32.5 97.4

Manual Integrations
APPROVED

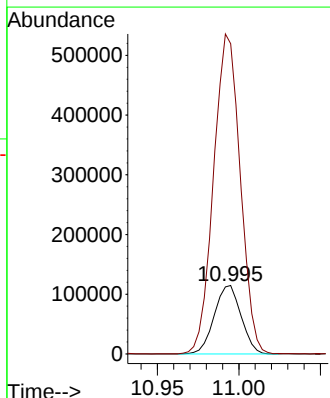
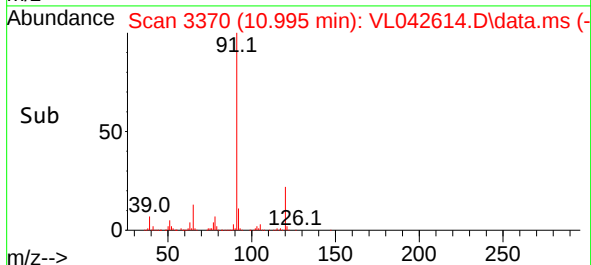
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

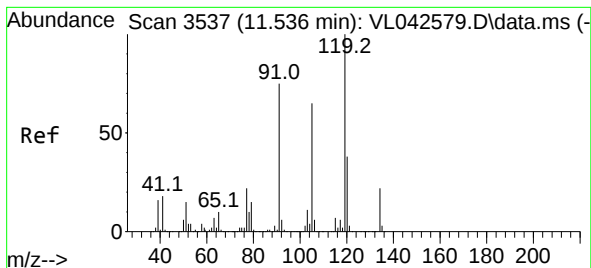


#64
n-propylbenzene
Concen: 10.232 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



Tgt Ion:120 Resp: 130905
Ion Ratio Lower Upper
120 100
91 465.6 363.0 544.6





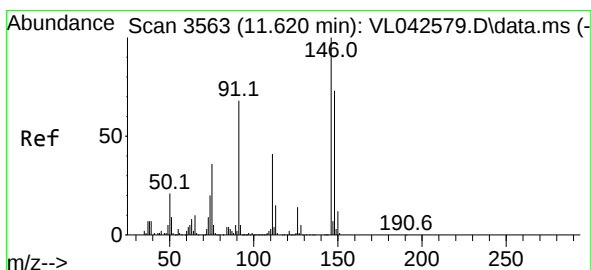
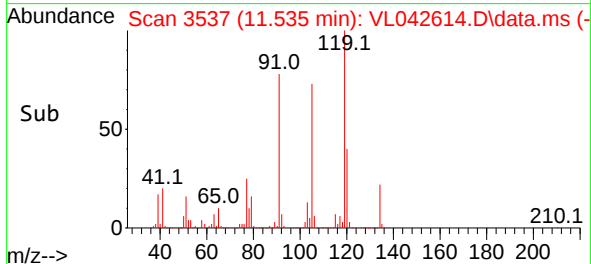
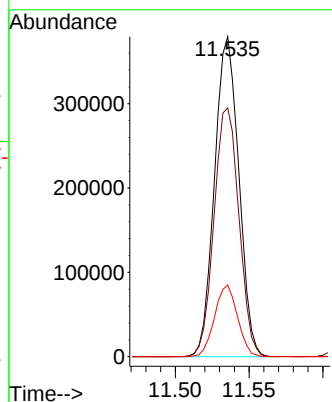
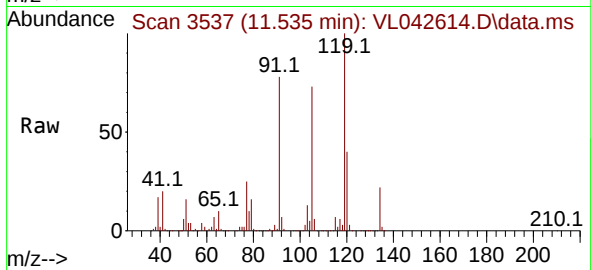
#65
tert-Butylbenzene
Concen: 10.044 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 43504
Ion Ratio Lower Upper
119 100
91 79.6 61.1 91.7
134 21.1 17.4 26.2

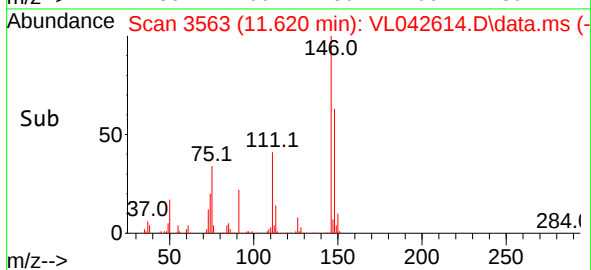
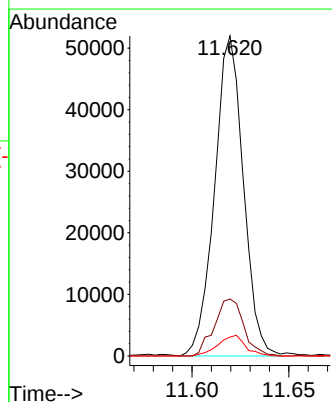
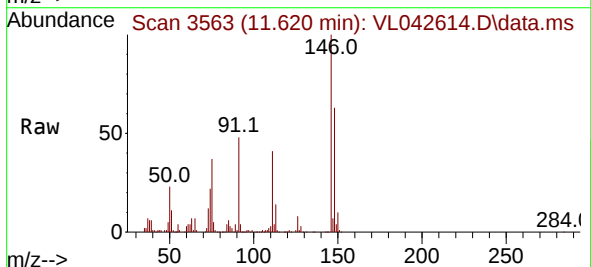
Manual Integrations
APPROVED

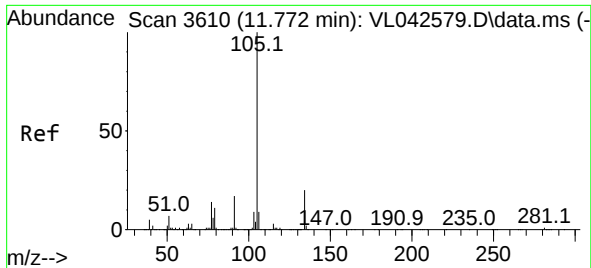
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#66
Benzyl Chloride
Concen: 9.629 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

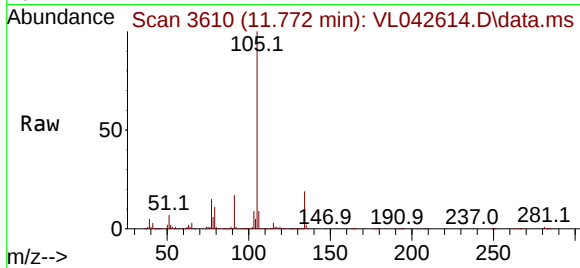
Tgt Ion: 91 Resp: 53682
Ion Ratio Lower Upper
91 100
126 18.3 15.1 22.7
128 6.1 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 10.131 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55

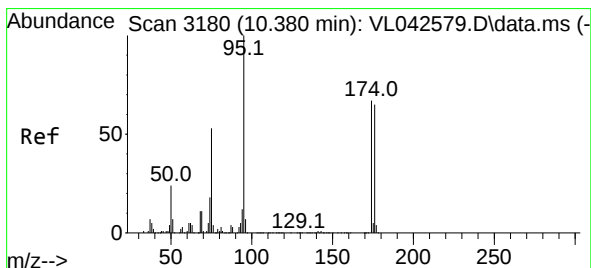
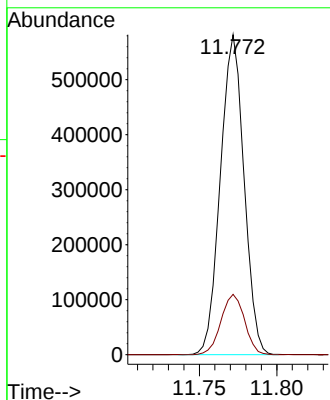
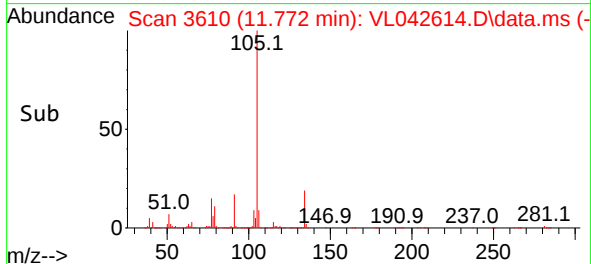
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



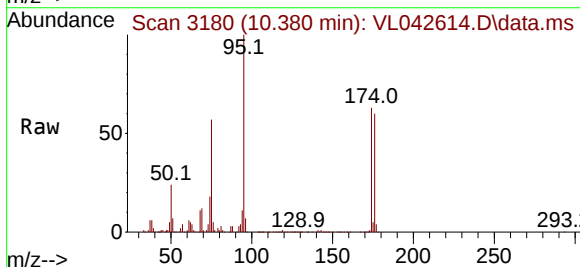
Tgt Ion:105 Resp: 61690
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.8 23.6

Manual Integrations
 APPROVED

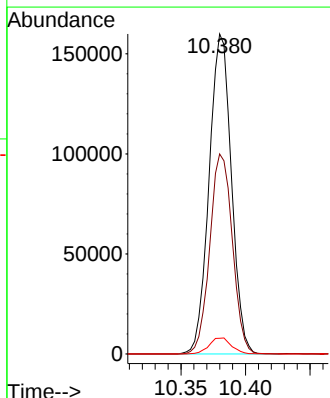
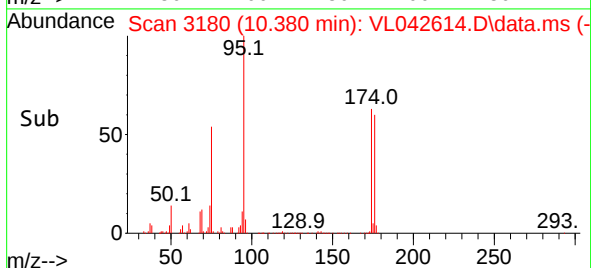
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

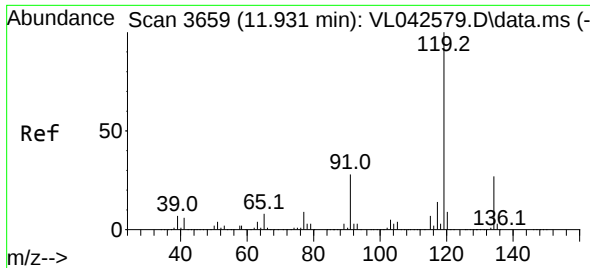


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.540 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042614.D
 Acq: 05 Jun 2025 08:55



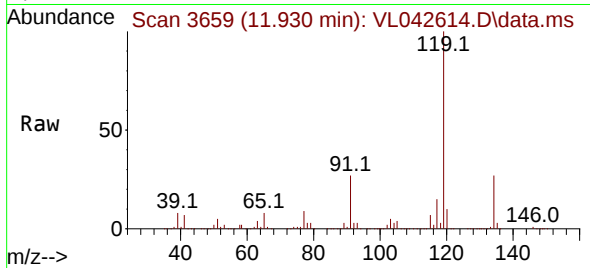
Tgt Ion: 95 Resp: 191733
 Ion Ratio Lower Upper
 95 100
 174 63.4 53.1 79.7
 175 5.0 4.2 6.2





#69
p-Isopropyltoluene
Concen: 10.098 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

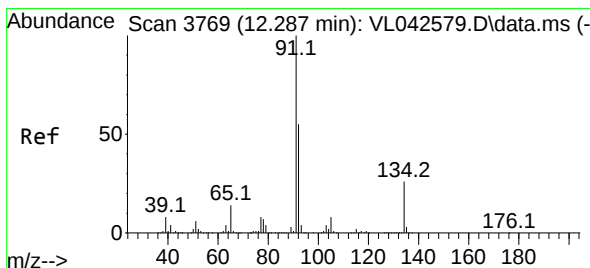
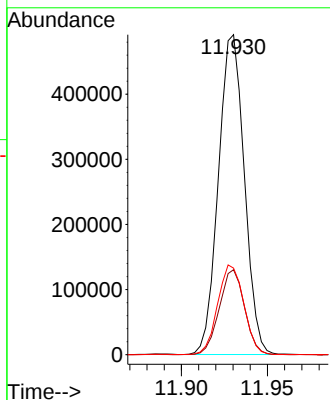
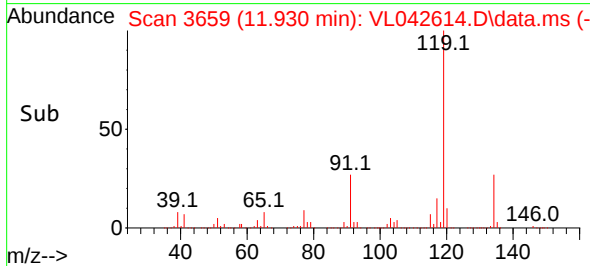
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



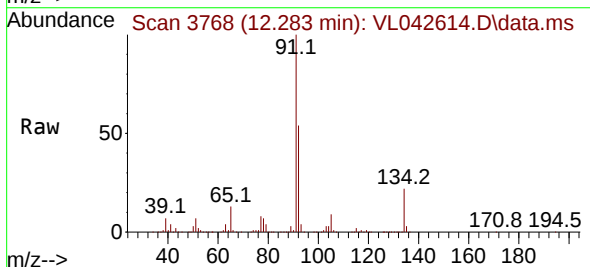
Tgt Ion: 119 Resp: 514940
Ion Ratio Lower Upper
119 100
134 26.0 21.1 31.7
91 28.4 21.9 32.9

Manual Integrations
APPROVED

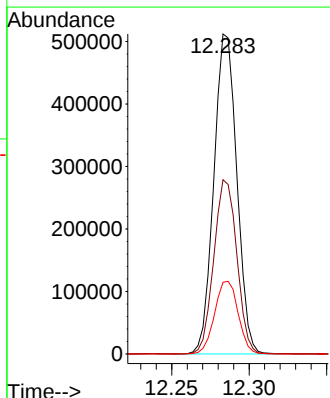
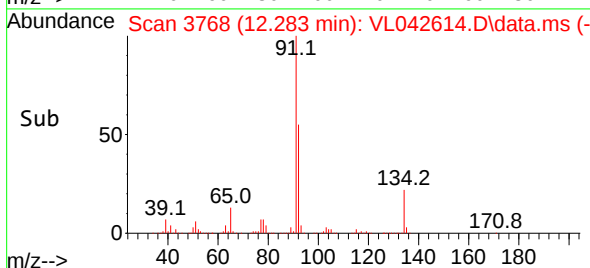
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

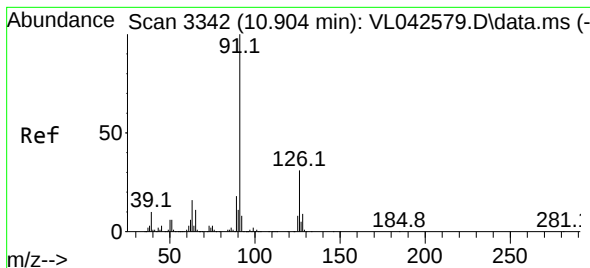


#70
n-Butylbenzene
Concen: 10.505 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



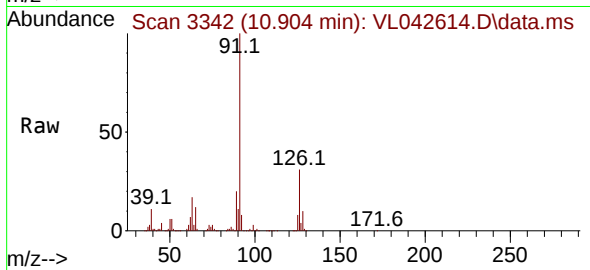
Tgt Ion: 91 Resp: 528764
Ion Ratio Lower Upper
91 100
92 54.6 44.4 66.6
134 23.3 20.1 30.1





#71
2-Chlorotoluene
Concen: 10.325 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

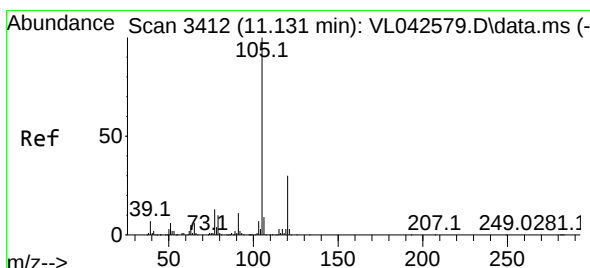
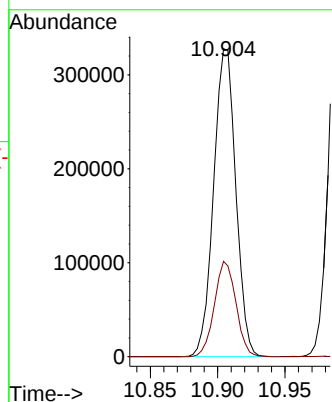
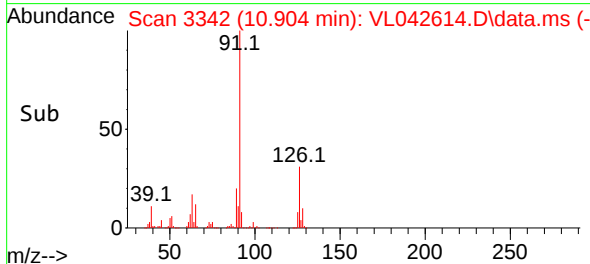
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



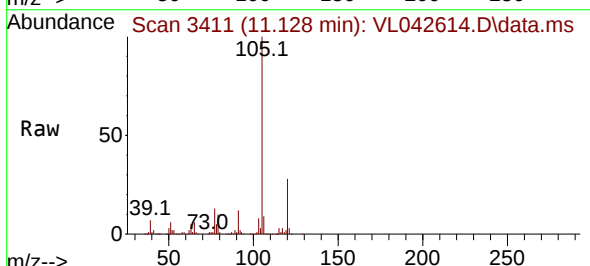
Tgt Ion: 91 Resp: 375889
Ion Ratio Lower Upper
91 100
126 30.0 12.6 50.4

Manual Integrations
APPROVED

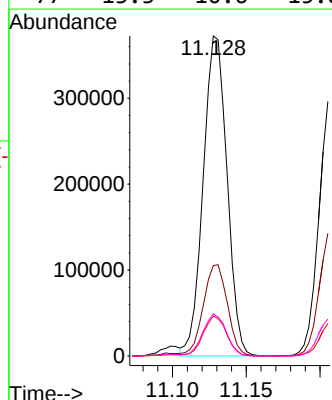
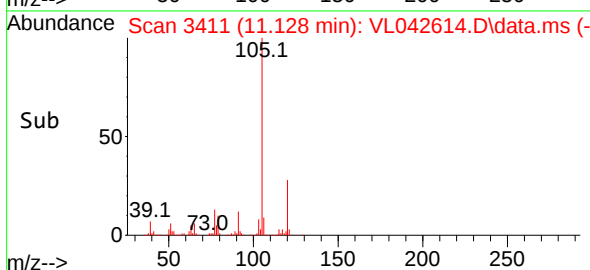
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

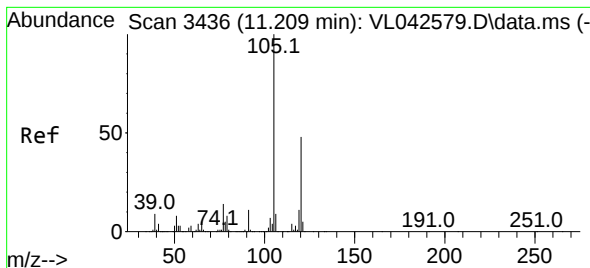


#72
4-Ethyltoluene
Concen: 10.393 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



Tgt Ion:105 Resp: 418625
Ion Ratio Lower Upper
105 100
120 29.6 24.6 36.8
91 12.7 9.6 14.4
77 13.3 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 10.277 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 342609

Ion Ratio Lower Upper

105 100

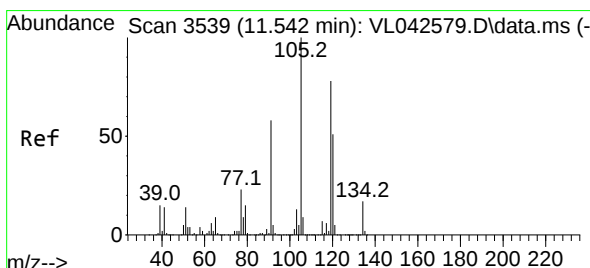
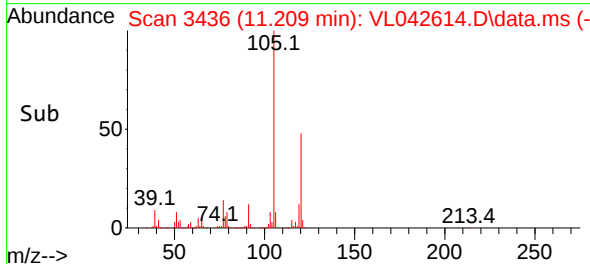
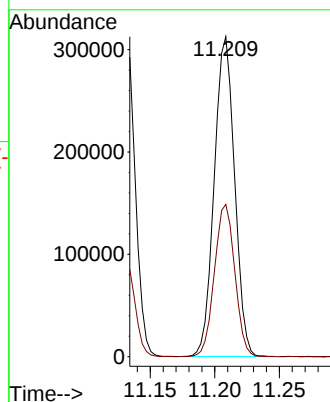
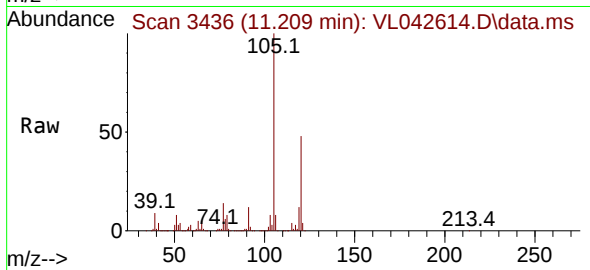
120 47.6 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.280 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Tgt Ion:105 Resp: 380277

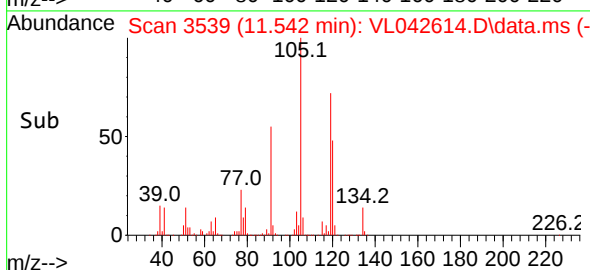
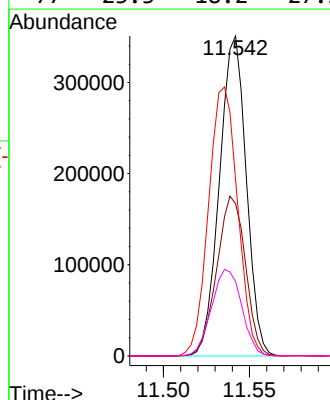
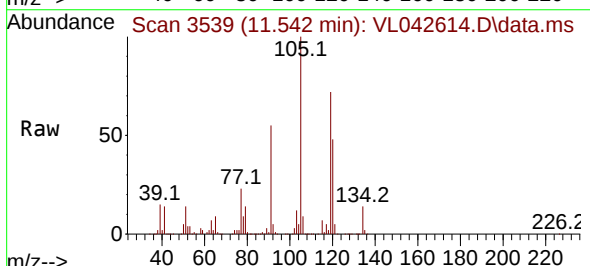
Ion Ratio Lower Upper

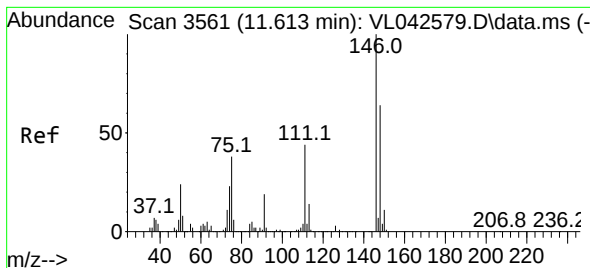
105 100

120 47.6 40.8 61.2

91 55.0 46.8 70.2

77 23.3 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 10.207 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

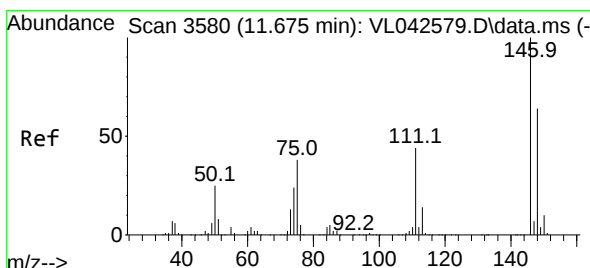
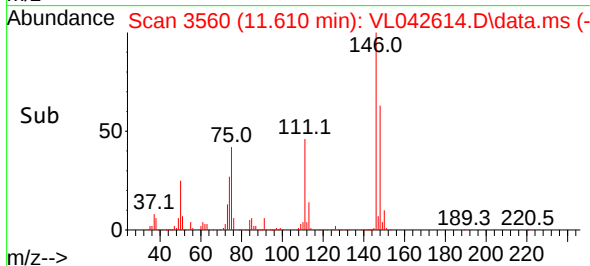
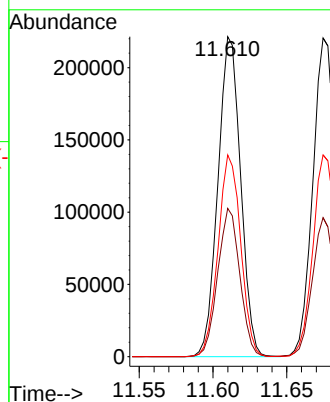
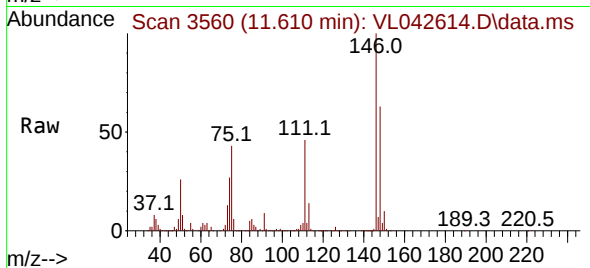
Tgt Ion:146 Resp: 23712

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.4	67.3
148	62.8	32.0	96.2

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 10.274 ppbv

RT: 11.675 min Scan# 3580

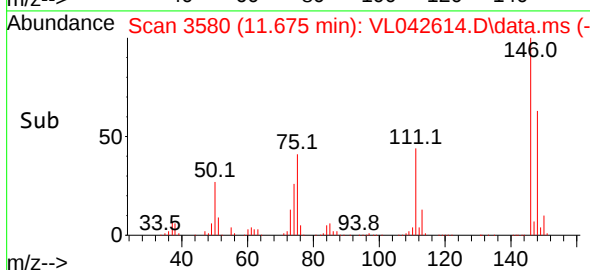
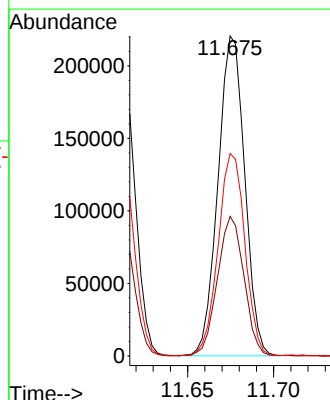
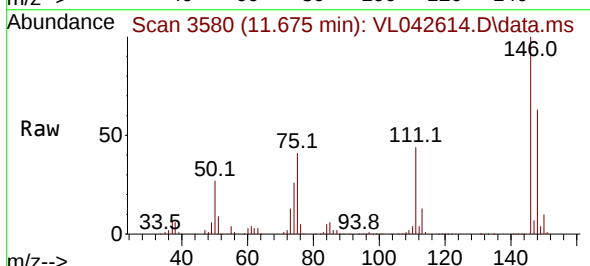
Delta R.T. -0.000 min

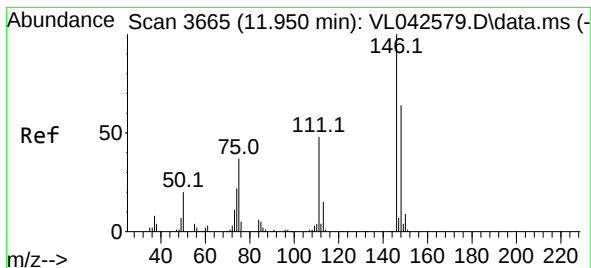
Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Tgt Ion:146 Resp: 238047

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.8
148	63.8	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 10.041 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 22639

Ion Ratio Lower Upper

146 100

111 45.8 23.1 69.3

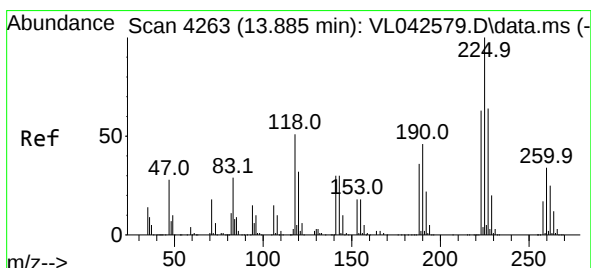
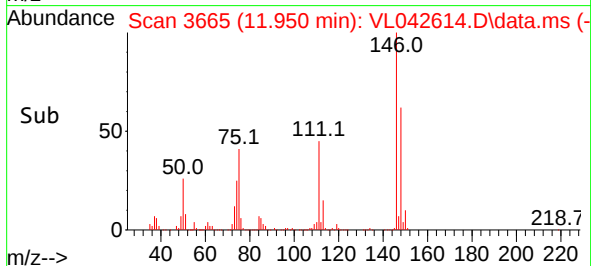
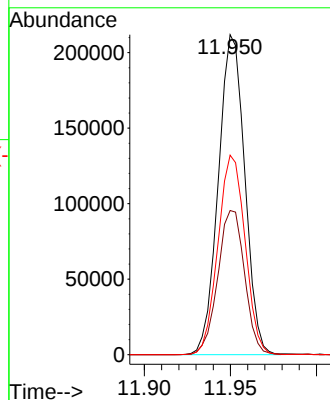
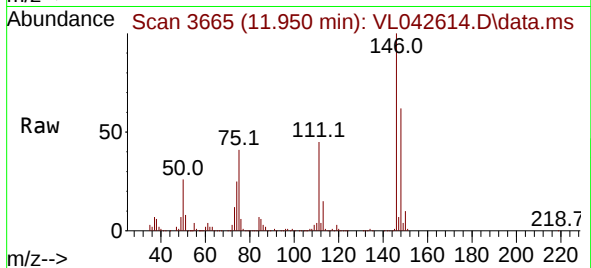
148 64.0 32.1 96.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.880 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042614.D

Acq: 05 Jun 2025 08:55

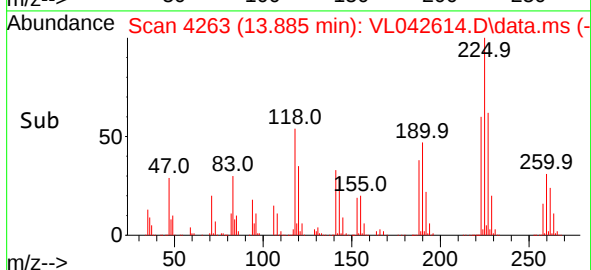
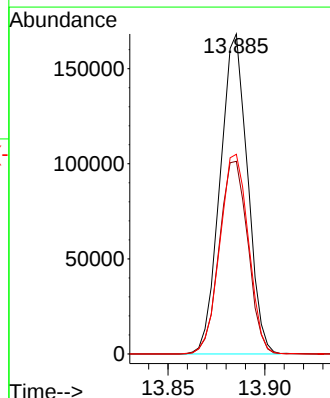
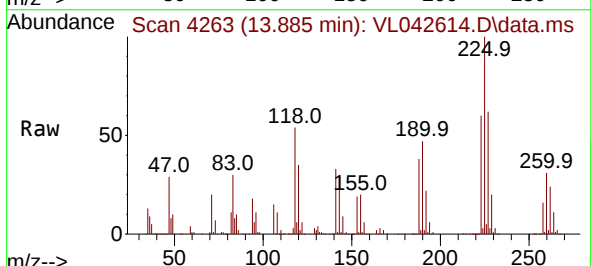
Tgt Ion:225 Resp: 165660

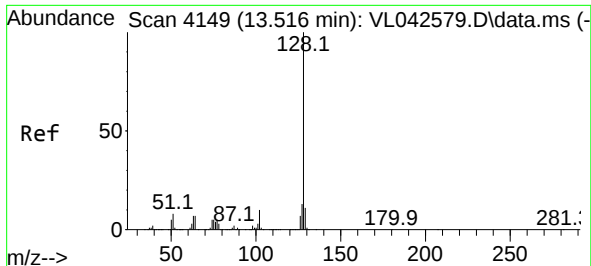
Ion Ratio Lower Upper

225 100

223 63.0 50.2 75.4

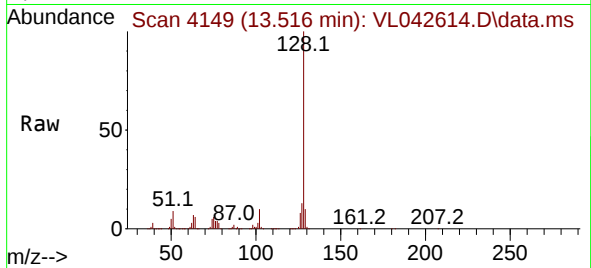
227 65.1 51.1 76.7





#79
Naphthalene
Concen: 10.671 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55

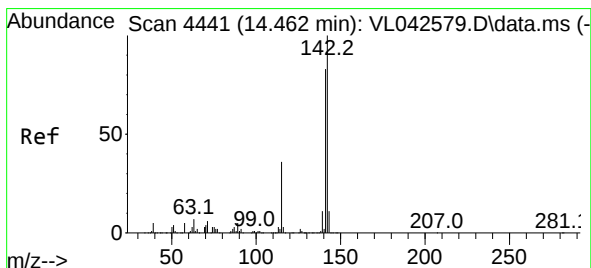
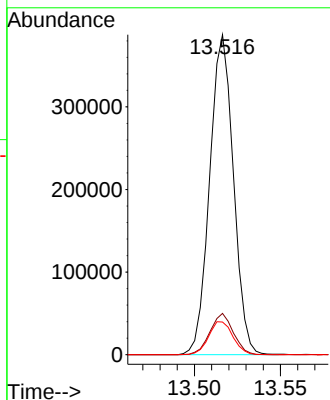
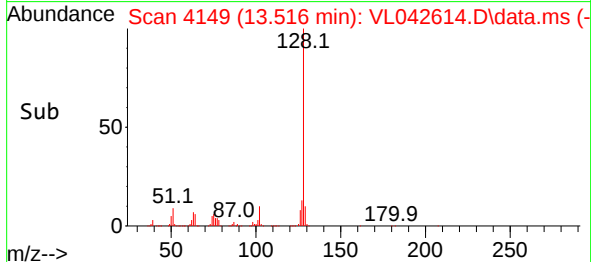
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



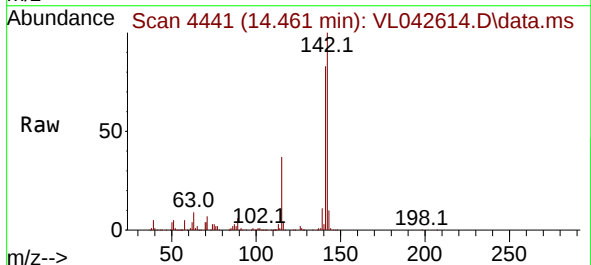
Tgt Ion:128 Resp: 372094
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.2 8.8 13.2

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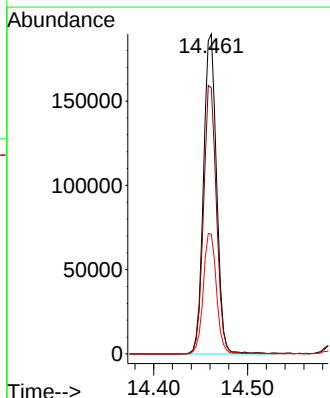
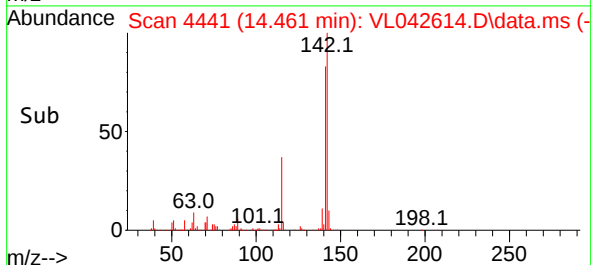
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

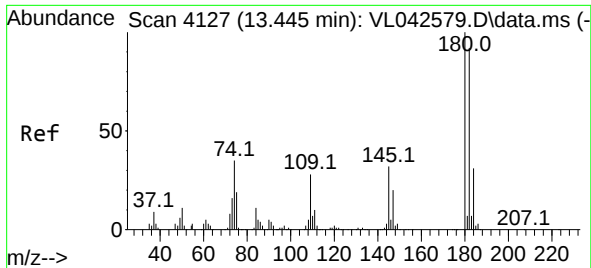


#80
Naphthalene,2-methyl-
Concen: 11.640 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042614.D
Acq: 05 Jun 2025 08:55



Tgt Ion:142 Resp: 183376
Ion Ratio Lower Upper
142 100
141 84.2 66.2 99.4
115 38.1 28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 10.020 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042614.D

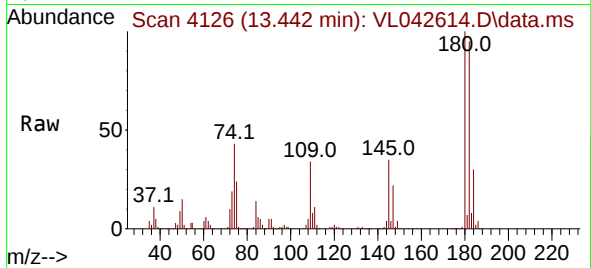
Acq: 05 Jun 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 19504

Ion Ratio Lower Upper

180 100

182 95.3 75.0 112.4

184 29.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025

