

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043025.D
 Acq On : 30 Sep 2025 13:25
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 01 00:25:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

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

QLast Update : Wed Oct 01 00:19:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	141281	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	433533	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	392140	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 301195 10.139 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	242747	9.929	ppbv	98
3) Chlorodifluoromethane	1.479	51	262940	10.100	ppbv	99
4) Chloromethane	1.538	50	91653	9.876	ppbv	99
5) Vinyl Chloride	1.583	62	81839	9.092	ppbv	97
6) Bromomethane	1.670	94	33195	10.204	ppbv	99
7) Chloroethane	1.706	64	33713	9.382	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	197932	9.931	ppbv	99
9) Propene	1.486	41	100135	9.889	ppbv	100
10) Heptane	4.985	43	275368	10.544	ppbv	100
11) Trichlorofluoromethane	1.881	101	245978	9.983	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	195467	10.010	ppbv	99
13) Ethanol	1.725	45	8579	10.590	ppbv	99
14) Bromoethene	1.787	108	71908	9.881	ppbv	100
15) Acetone	1.839	43	189623	9.413	ppbv	97
16) 1,3-Butadiene	1.612	39	78237	9.174	ppbv	97
17) tert-Butyl alcohol	2.042	59	221045	9.820	ppbv	99
18) 1,1-Dichloroethene	2.039	96	86168	9.812	ppbv	98
19) Isopropyl Alcohol	1.887	45	110377	9.317	ppbv #	85
20) Methylene Chloride	2.065	84	94182	11.961	ppbv	94
21) Allyl Chloride	2.101	41	134953	9.902	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	97695	9.827	ppbv	98
23) Vinyl Acetate	2.466	43	294135	10.569	ppbv	99
24) 1,1-Dichloroethane	2.411	63	185847	9.932	ppbv	99
25) Ethyl Acetate	2.839	43	494082	9.615	ppbv	100
26) Hexane	2.832	57	235263	8.802	ppbv	98
27) Carbon Disulfide	2.153	76	230309	9.798	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	120484	9.209	ppbv	98
29) Chloroform	2.852	83	334360	10.054	ppbv	99
30) Cyclohexane	3.861	84	190310	10.338	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	221658	10.215	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	337675	10.023	ppbv	99
34) 2-Butanone	2.560	43	317046	10.386	ppbv	100
35) Carbon Tetrachloride	3.768	117	346648	9.853	ppbv	96
36) Benzene	3.661	78	451462	10.390	ppbv	99
37) 1,2-Dichloroethane	3.224	62	253279	10.201	ppbv	100
38) Trichloroethene	4.554	130	219316	10.079	ppbv	97
39) 1,2-Dichloropropane	4.318	63	161086	10.096	ppbv	94
40) 1,4-Dioxane	4.583	88	71434	10.556	ppbv #	96
41) Tetrahydrofuran	3.056	42	174060	10.707	ppbv	99
42) Bromodichloromethane	4.496	83	361636	10.485	ppbv	97
43) Methyl Methacrylate	4.884	69	170390	11.161	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	749612	10.486	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	185804	10.704	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
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 Acq On : 30 Sep 2025 13:25
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 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

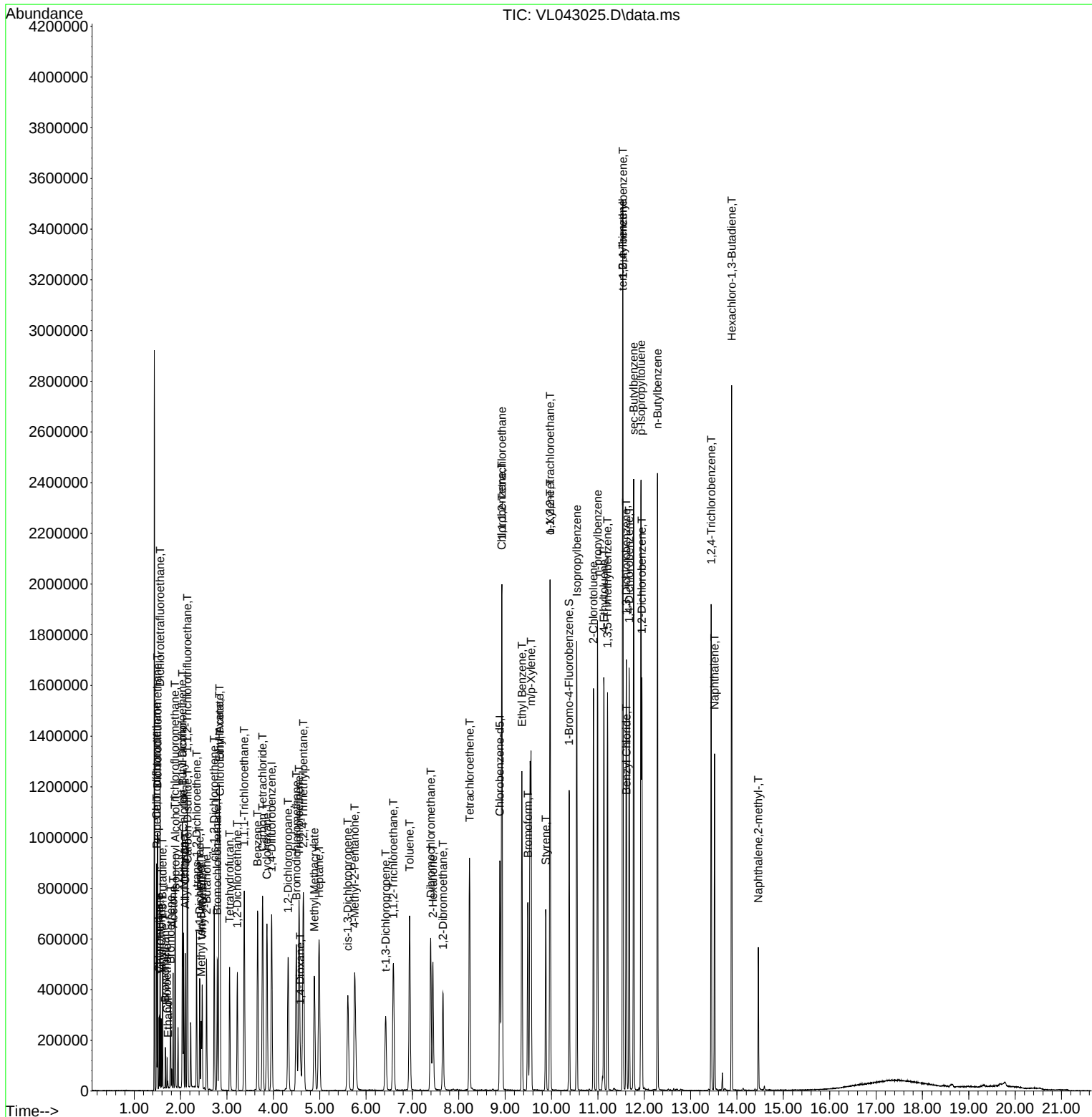
Instrument :
 MSVOA_L
 ClientSampleId :

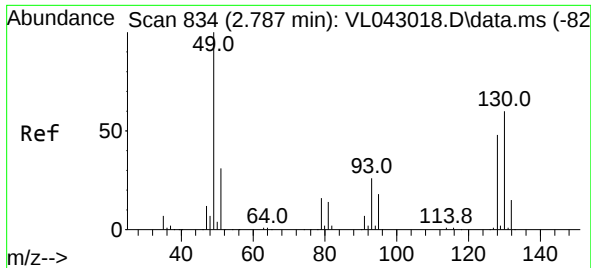
Quant Time: Oct 01 00:25:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 01 00:19:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	243481	10.753	ppbv	99
47) 1,1,2-Trichloroethane	6.590	97	179447	10.603	ppbv	96
48) Dibromochloromethane	7.396	129	305653	10.480	ppbv	100
49) Bromoform	9.490	173	264418	10.681	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	423187	10.864	ppbv	99
51) 2-Hexanone	7.441	43	335943	11.703	ppbv #	100
52) Tetrachloroethene	8.234	164	166605	9.618	ppbv	95
53) Toluene	6.939	91	521124	10.754	ppbv	99
54) 1,2-Dibromoethane	7.661	107	248872	10.537	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	227977	10.260	ppbv	99
57) Chlorobenzene	8.927	112	406310	10.051	ppbv	100
58) Ethyl Benzene	9.361	91	713336	10.732	ppbv	99
59) m/p-Xylene	9.558	91	516803	9.664	ppbv #	15
60) o-Xylene	9.969	91	568505	10.695	ppbv	99
61) Styrene	9.875	104	255062	11.337	ppbv	100
62) Isopropylbenzene	10.545	105	839776	10.611	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	289419	10.145	ppbv	100
64) n-propylbenzene	10.992	120	221371	10.733	ppbv	100
65) tert-Butylbenzene	11.536	119	758042	10.577	ppbv	99
66) Benzyl Chloride	11.620	91	59902	10.477	ppbv	98
67) sec-Butylbenzene	11.772	105	1040426	10.410	ppbv	100
69) p-Isopropyltoluene	11.930	119	890156	10.695	ppbv	100
70) n-Butylbenzene	12.286	91	878430	10.924	ppbv	100
71) 2-Chlorotoluene	10.904	91	627009	10.622	ppbv	99
72) 4-Ethyltoluene	11.128	105	706144	10.799	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	586992	10.646	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	650046	10.445	ppbv	99
75) 1,3-Dichlorobenzene	11.613	146	405004	10.187	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	403123	10.375	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	389742	10.039	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	283380	9.127	ppbv	100
79) Naphthalene	13.516	128	596815	12.089	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	153586	12.068	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	324543	10.900	ppbv	100

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

Quant Time: Oct 01 00:25:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
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QLast Update : Wed Oct 01 00:19:41 2025
Response via : Initial Calibration

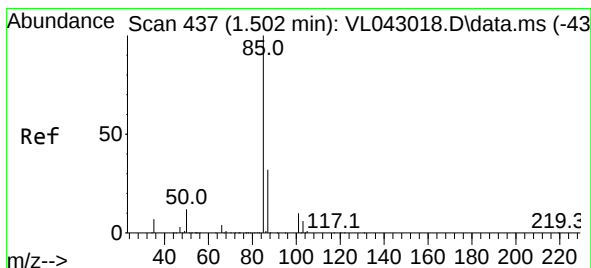
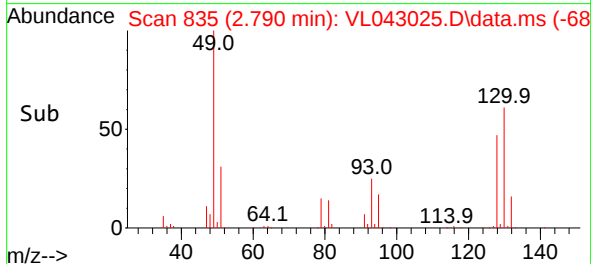
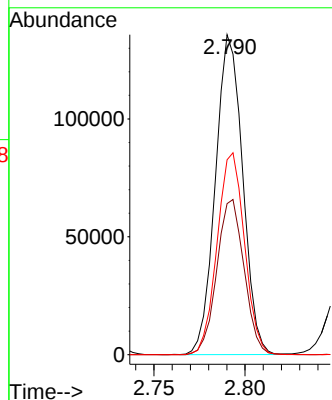
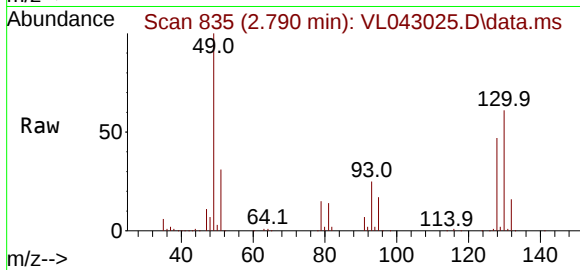




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 834
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

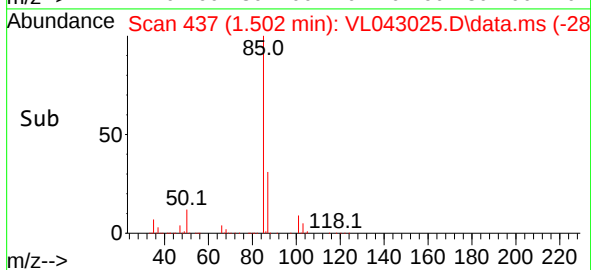
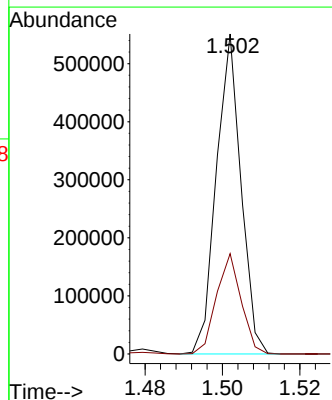
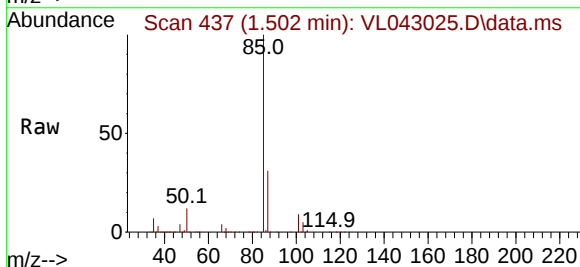
Instrument :
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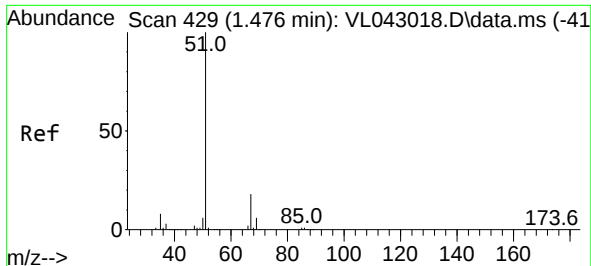
Tgt Ion: 49 Resp: 141281
 Ion Ratio Lower Upper
 49 100
 128 48.5 25.2 75.6
 130 63.4 31.6 94.7



#2
 Dichlorodifluoromethane
 Concen: 9.929 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion: 85 Resp: 242747
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.8 38.6

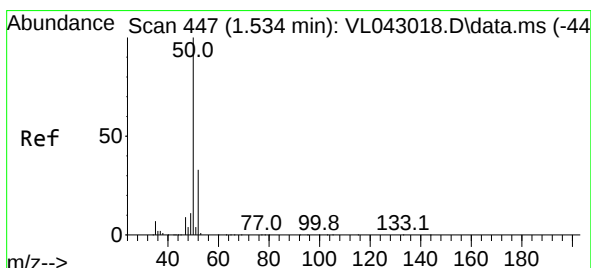
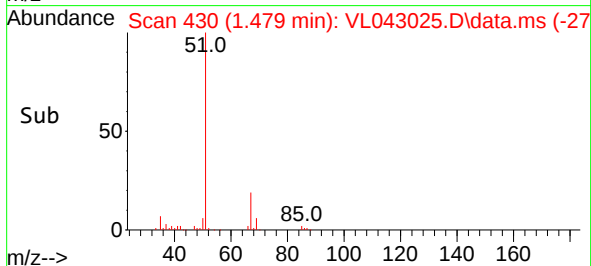
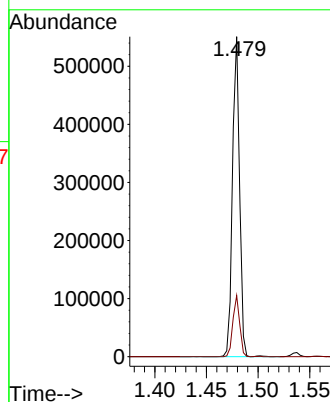
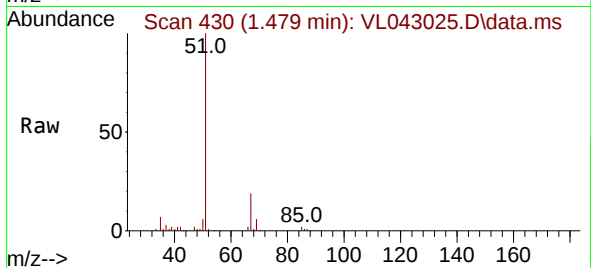




#3
Chlorodifluoromethane
Concen: 10.100 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

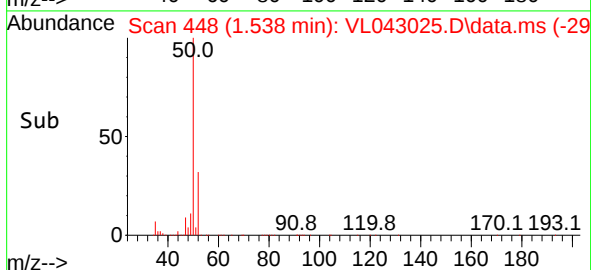
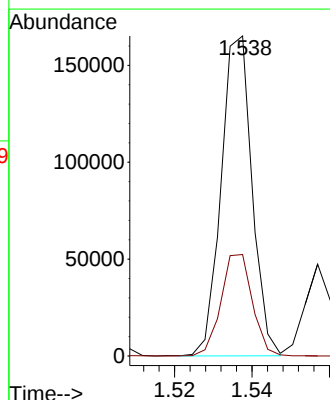
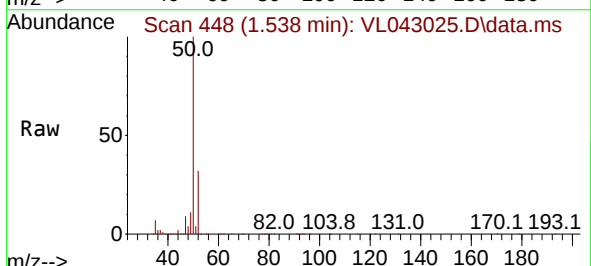
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MSVOA_L
ClientSampleId :

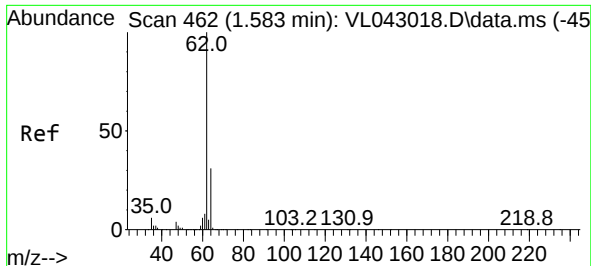
Tgt Ion: 51 Resp: 262940
Ion Ratio Lower Upper
51 100
67 18.5 15.1 22.7



#4
Chloromethane
Concen: 9.876 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 50 Resp: 91653
Ion Ratio Lower Upper
50 100
52 31.7 26.0 39.0

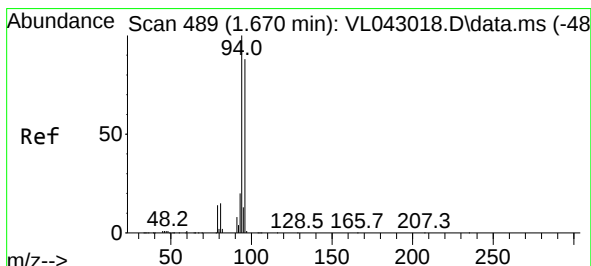
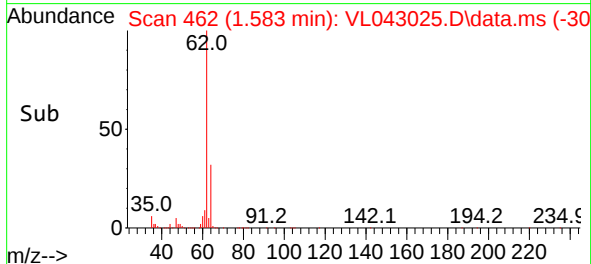
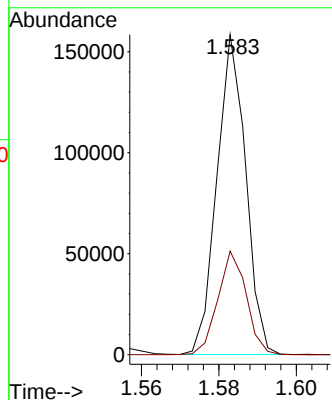
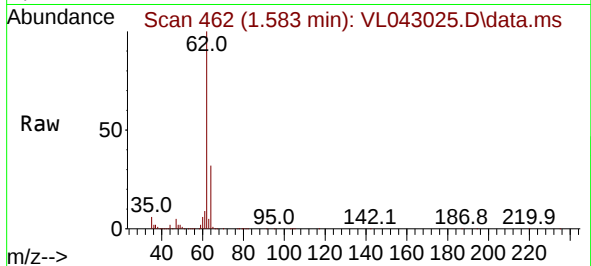




#5
 Vinyl Chloride
 Concen: 9.092 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

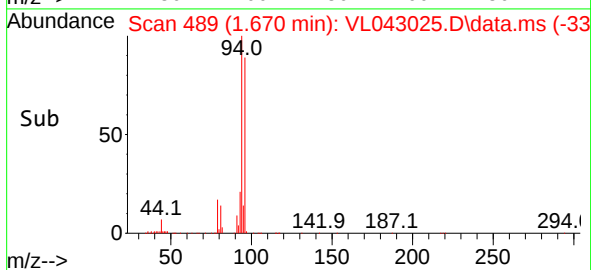
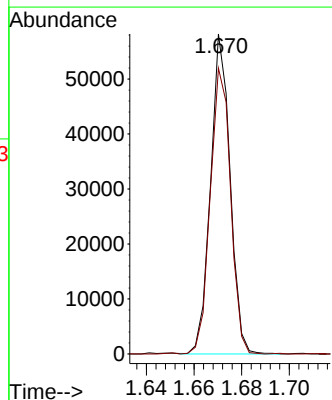
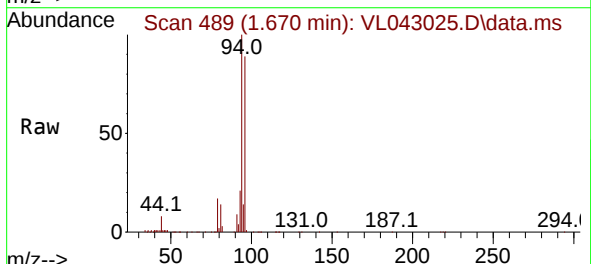
Instrument :
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 ClientSampleId :

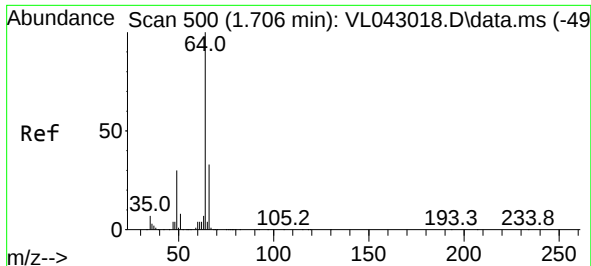
Tgt Ion: 62 Resp: 81839
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.6 37.0



#6
 Bromomethane
 Concen: 10.204 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion: 94 Resp: 33195
 Ion Ratio Lower Upper
 94 100
 96 89.3 70.5 105.7

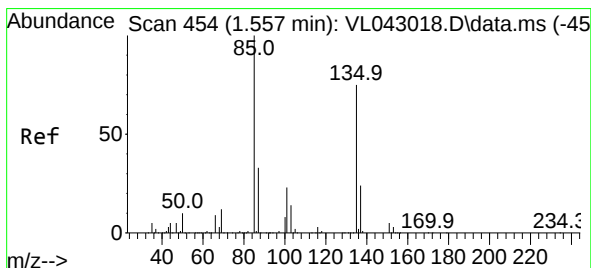
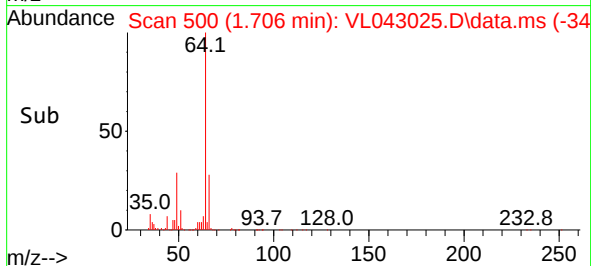
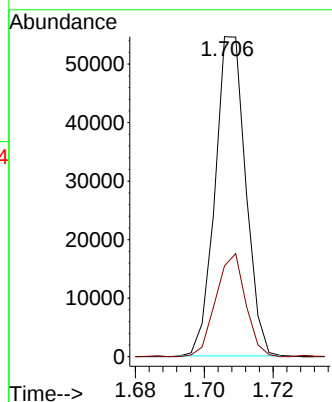
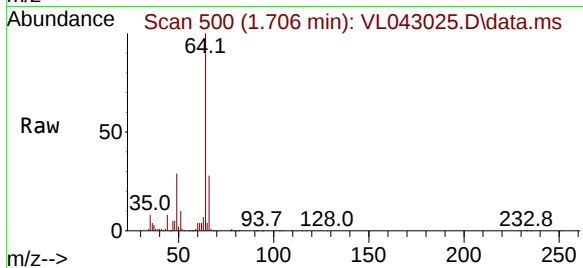




#7
Chloroethane
Concen: 9.382 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

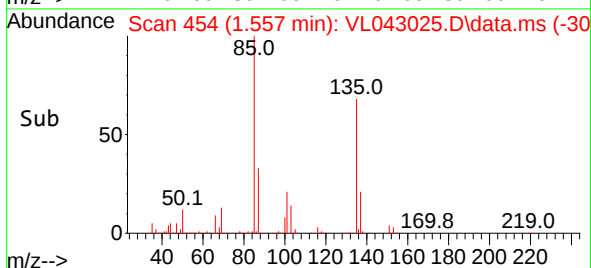
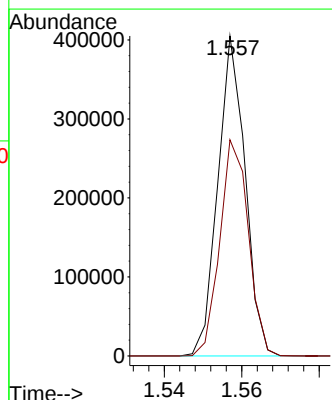
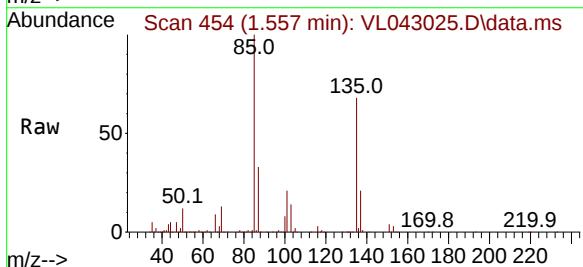
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ClientSampleId :

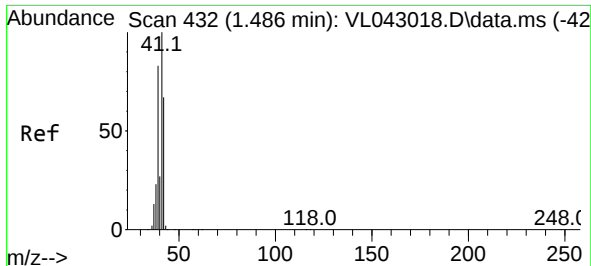
Tgt Ion: 64 Resp: 33713
Ion Ratio Lower Upper
64 100
66 28.4 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.931 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 85 Resp: 197932
Ion Ratio Lower Upper
85 100
135 70.8 57.4 86.0

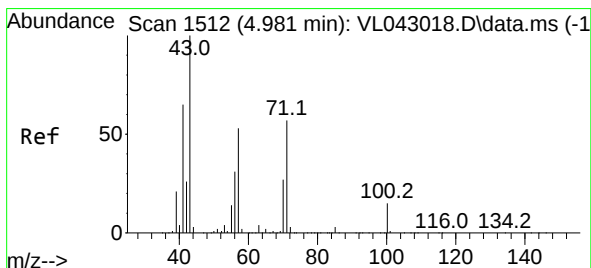
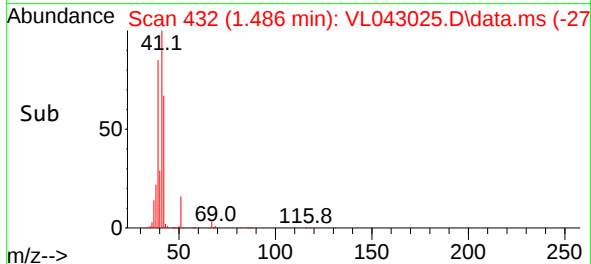
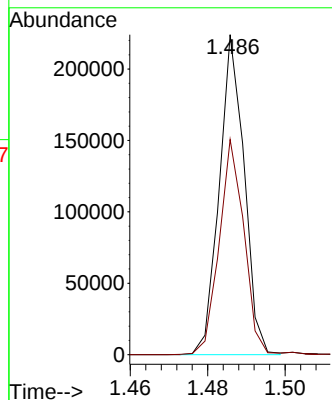
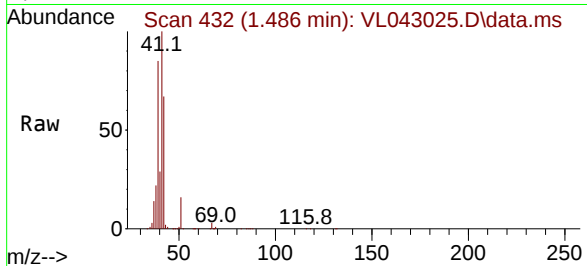




#9
 Propene
 Concen: 9.889 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

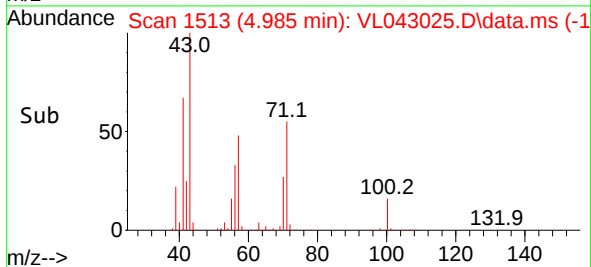
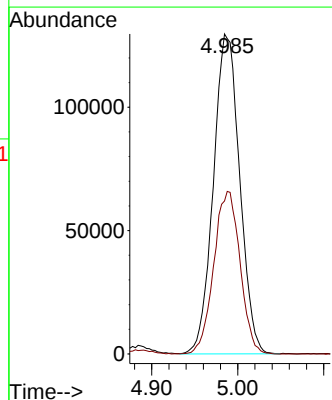
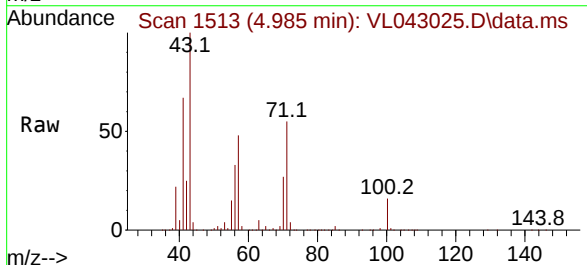
Instrument :
 MSVOA_L
 ClientSampleId :

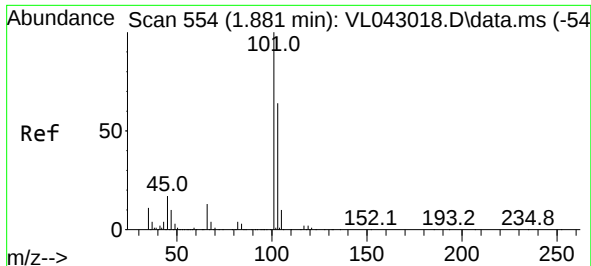
Tgt Ion: 41 Resp: 100135
 Ion Ratio Lower Upper
 41 100
 42 67.8 54.2 81.2



#10
 Heptane
 Concen: 10.544 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion: 43 Resp: 275368
 Ion Ratio Lower Upper
 43 100
 57 50.7 40.5 60.7

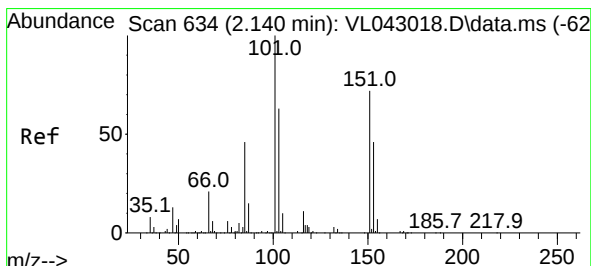
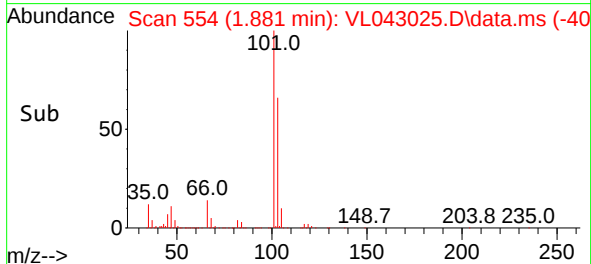
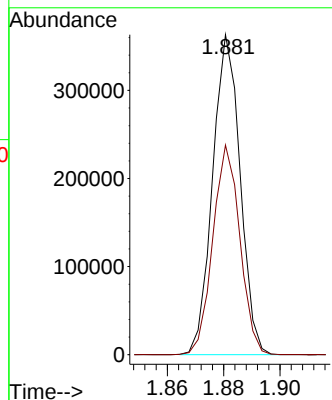
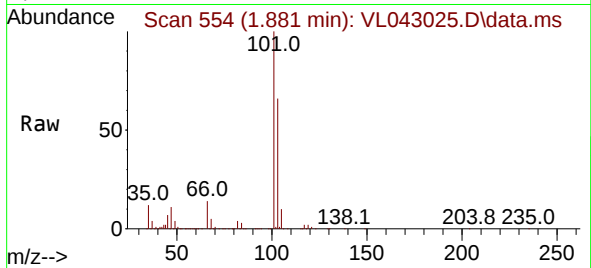




#11
 Trichlorofluoromethane
 Concen: 9.983 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

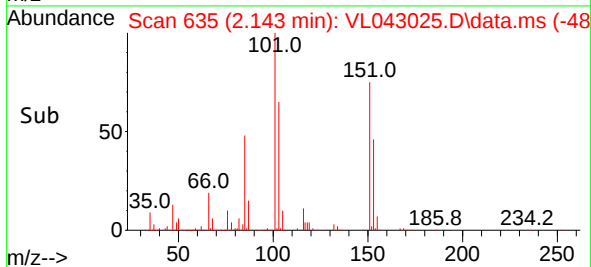
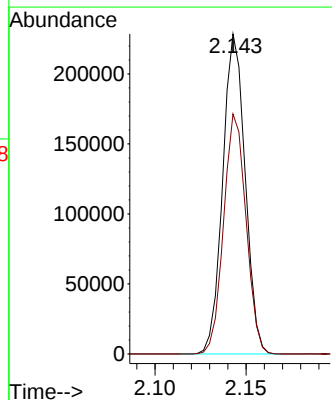
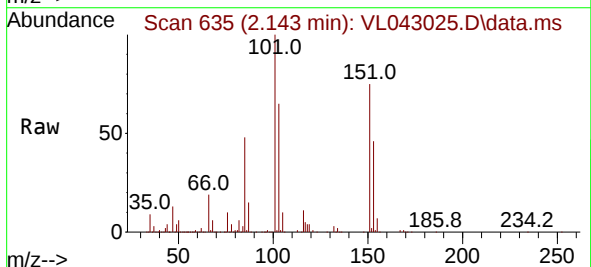
Instrument :
 MSVOA_L
 ClientSampleId :

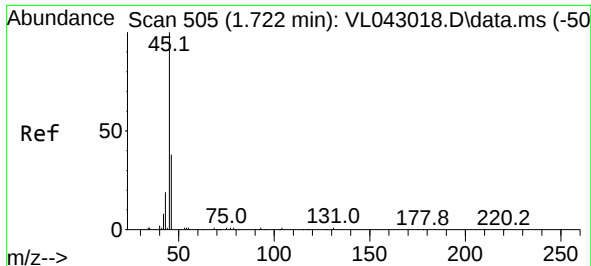
Tgt Ion:101 Resp: 245978
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.010 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion:101 Resp: 195467
 Ion Ratio Lower Upper
 101 100
 151 74.9 60.2 90.4

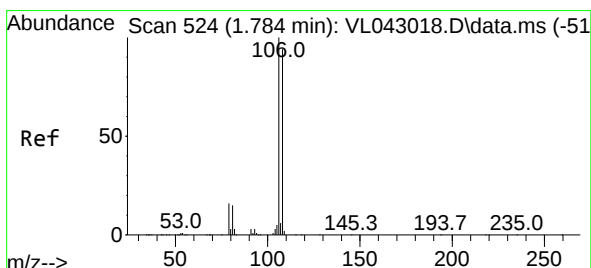
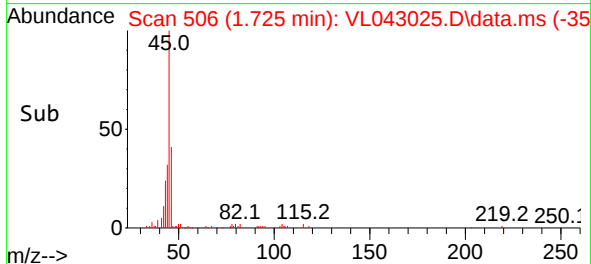
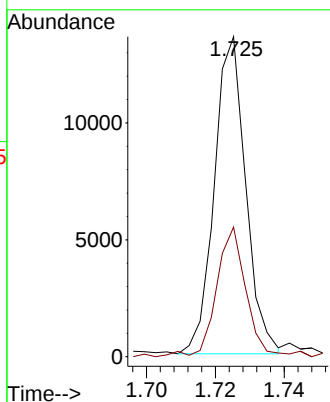
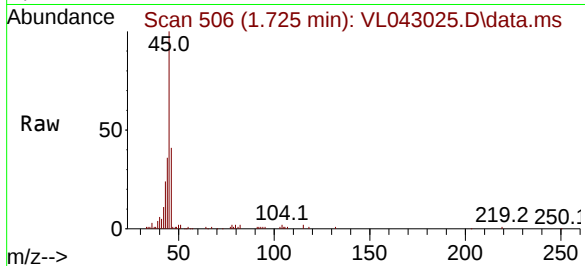




#13
Ethanol
Concen: 10.590 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

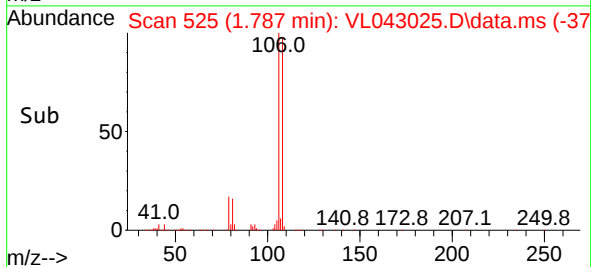
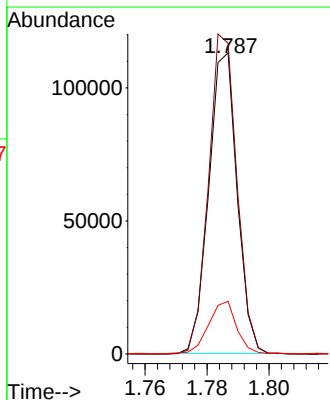
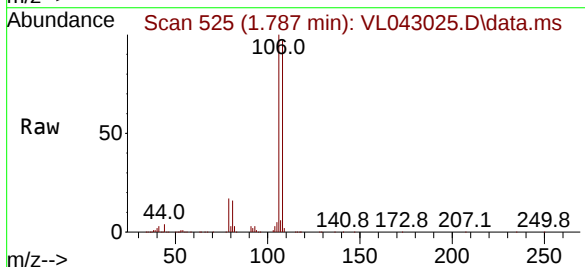
Instrument :
MSVOA_L
ClientSampleId :

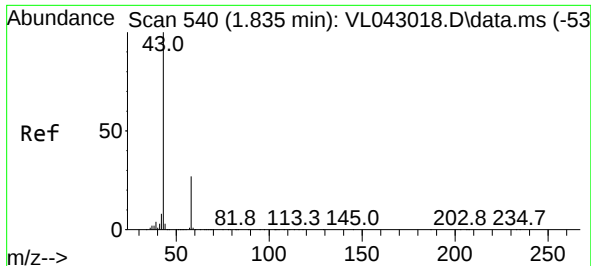
Tgt Ion: 45 Resp: 8579
Ion Ratio Lower Upper
45 100
46 39.9 16.2 64.8



#14
Bromoethene
Concen: 9.881 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 108 Resp: 71908
Ion Ratio Lower Upper
108 100
106 106.5 85.4 128.0
79 17.3 13.8 20.8

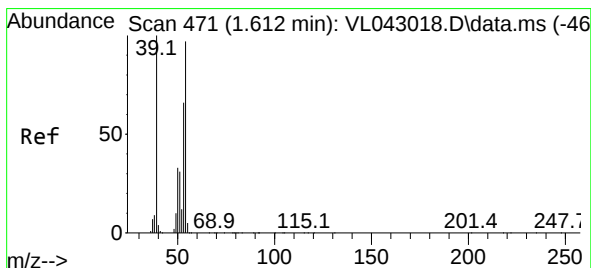
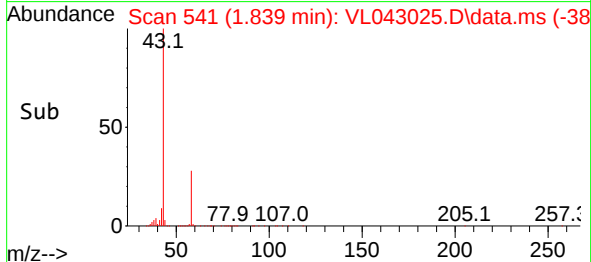
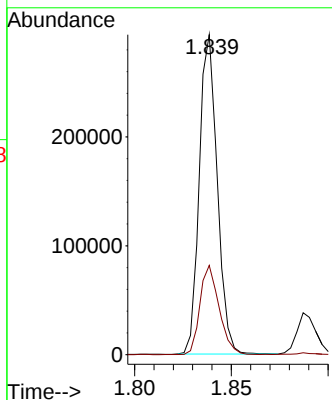
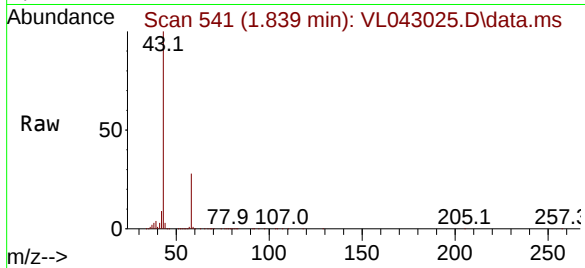




#15
Acetone
Concen: 9.413 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

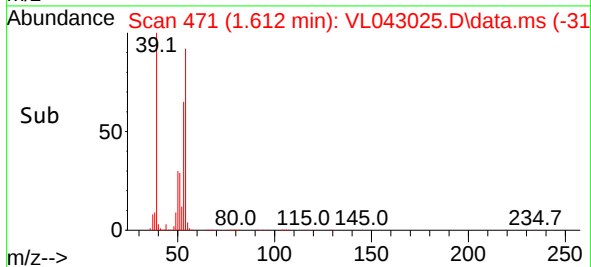
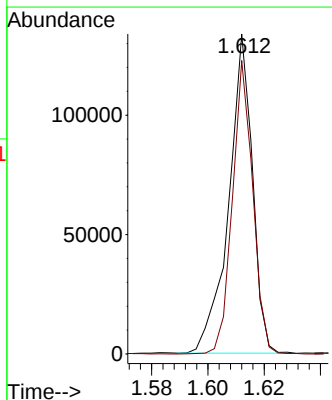
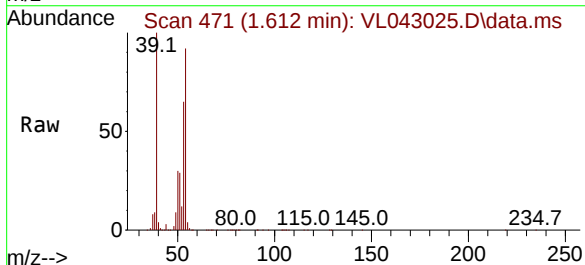
Instrument :
MSVOA_L
ClientSampleId :

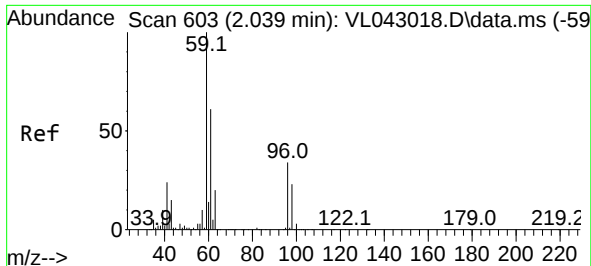
Tgt Ion: 43 Resp: 189623
Ion Ratio Lower Upper
43 100
58 30.1 22.8 34.2



#16
1,3-Butadiene
Concen: 9.174 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 39 Resp: 78237
Ion Ratio Lower Upper
39 100
54 79.0 65.4 98.2





#17

tert-Butyl alcohol

Concen: 9.820 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

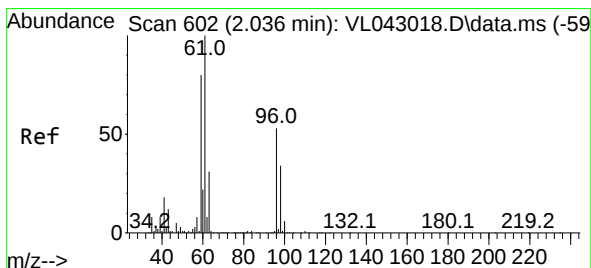
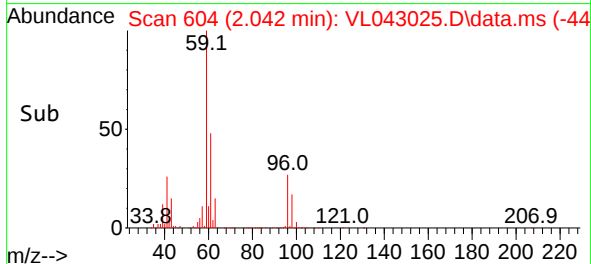
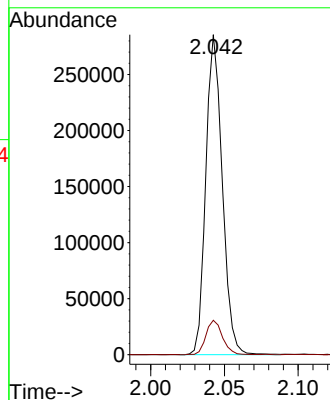
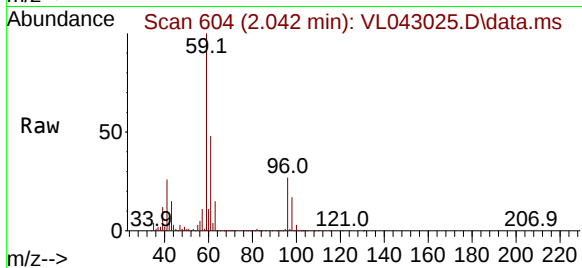
ClientSampleId :

Tgt Ion: 59 Resp: 221045

Ion Ratio Lower Upper

59 100

57 10.9 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.812 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

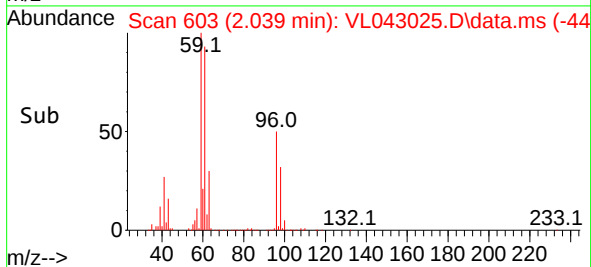
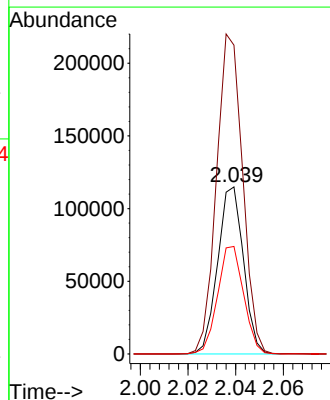
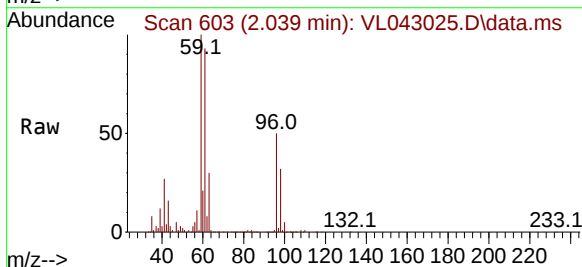
Tgt Ion: 96 Resp: 86168

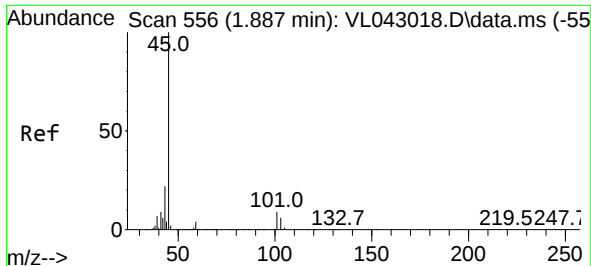
Ion Ratio Lower Upper

96 100

61 184.7 151.4 227.0

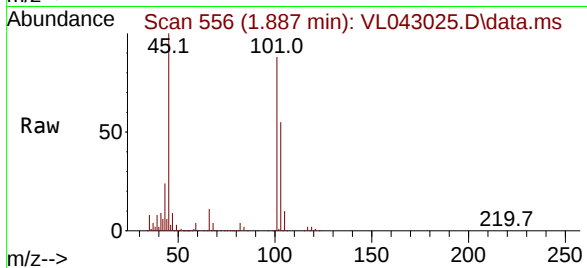
98 64.4 51.5 77.3



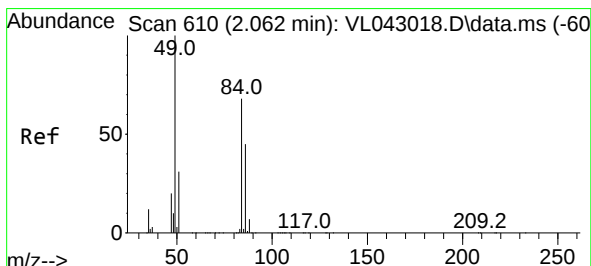
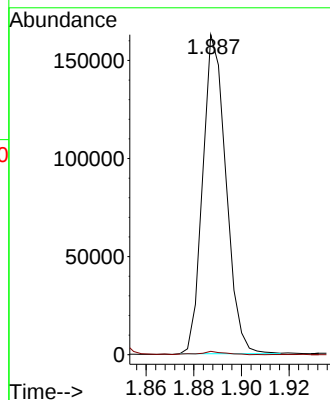
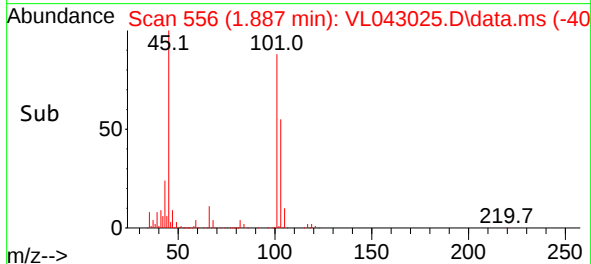


#19
Isopropyl Alcohol
Concen: 9.317 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

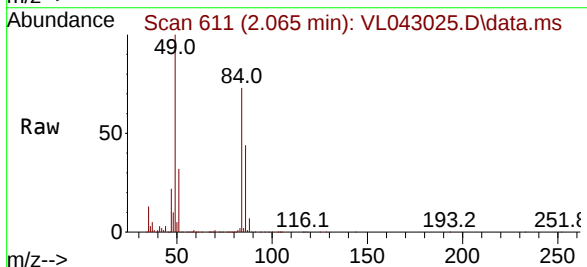
Instrument :
MSVOA_L
ClientSampleId :



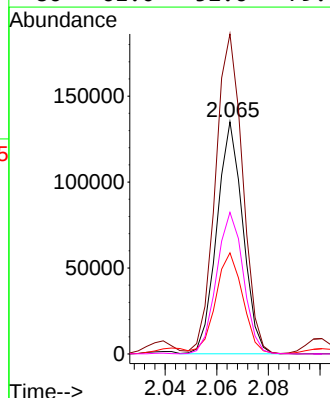
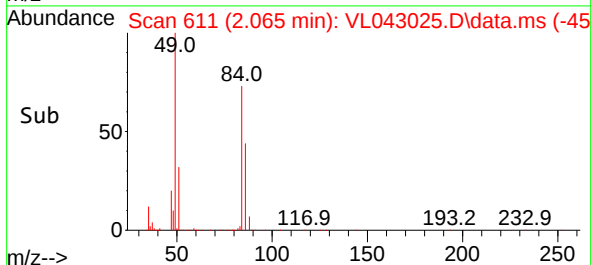
Tgt Ion: 45 Resp: 110377
Ion Ratio Lower Upper
45 100
58 51.7 33.9 50.9#

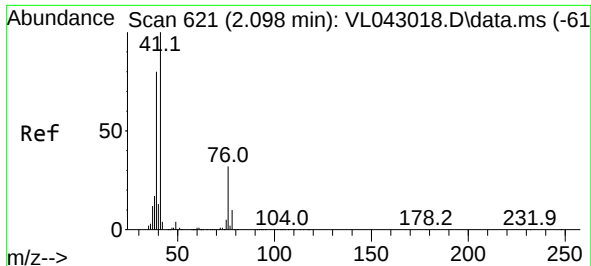


#20
Methylene Chloride
Concen: 11.961 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25



Tgt Ion: 84 Resp: 94182
Ion Ratio Lower Upper
84 100
49 137.8 117.4 176.2
51 43.5 37.4 56.0
86 61.0 52.6 79.0

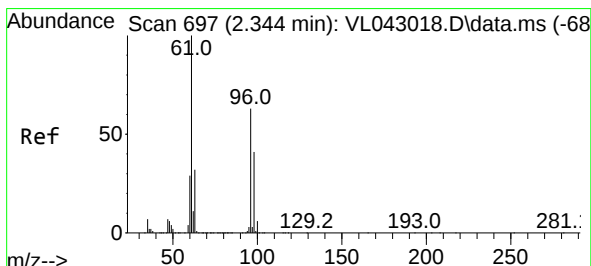
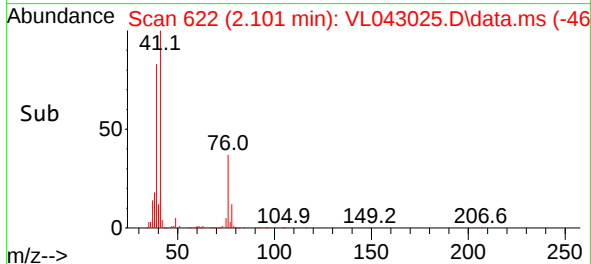
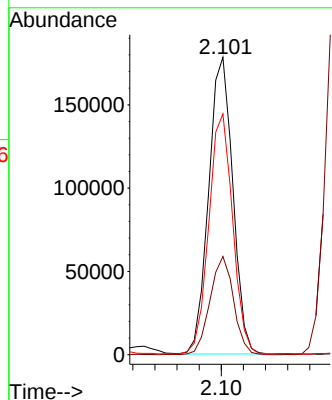
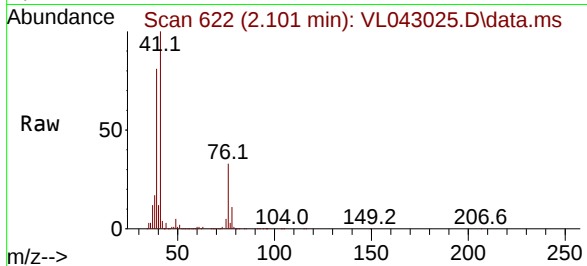




#21
 Allyl Chloride
 Concen: 9.902 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

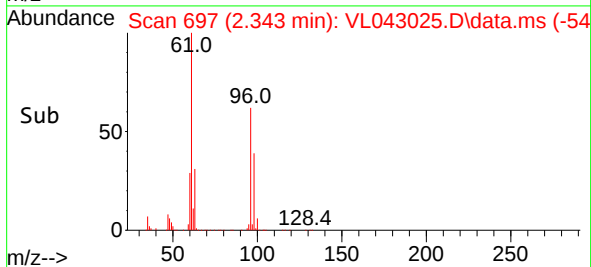
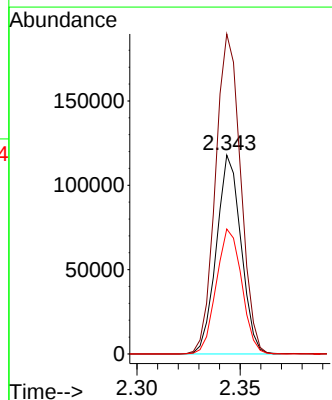
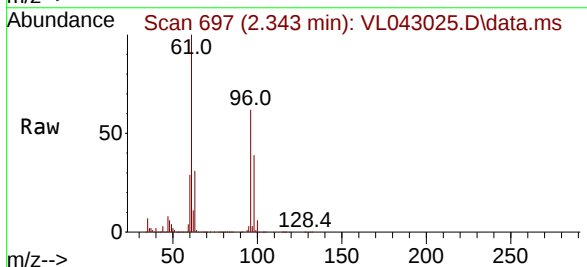
Instrument :
 MSVOA_L
 ClientSampleId :

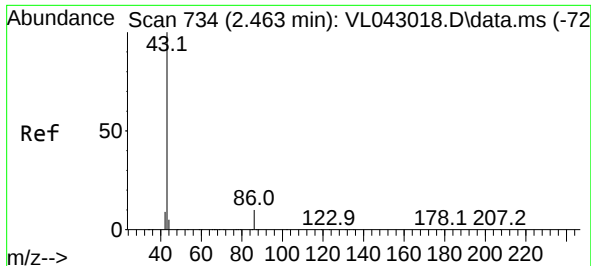
Tgt Ion: 41 Resp: 134953
 Ion Ratio Lower Upper
 41 100
 76 32.4 25.6 38.4
 39 79.7 62.6 94.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.827 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

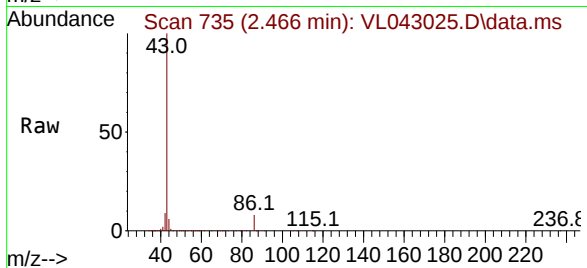
Tgt Ion: 96 Resp: 97695
 Ion Ratio Lower Upper
 96 100
 61 160.8 126.1 189.1
 98 62.8 51.3 76.9



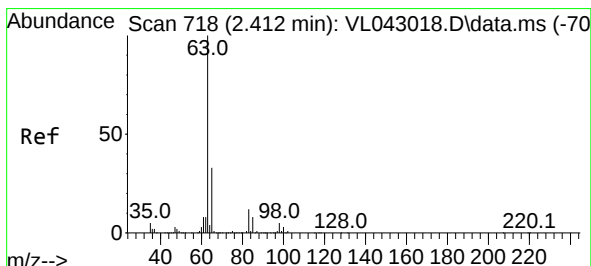
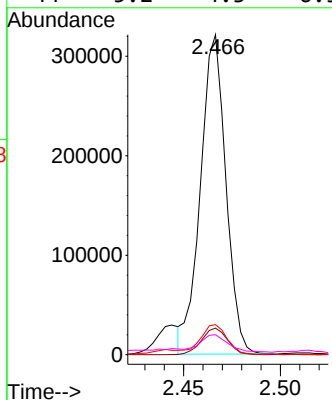
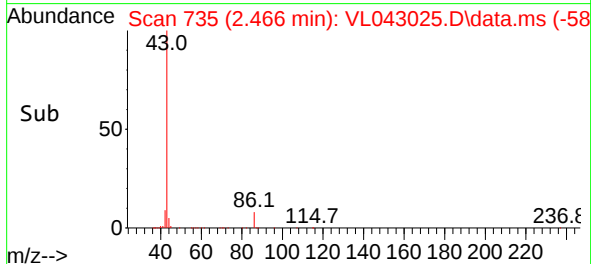


#23
 Vinyl Acetate
 Concen: 10.569 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

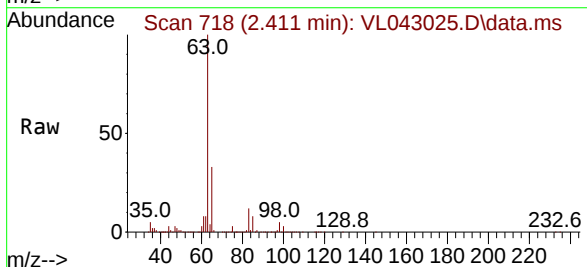
Instrument :
 MSVOA_L
 ClientSampleId :



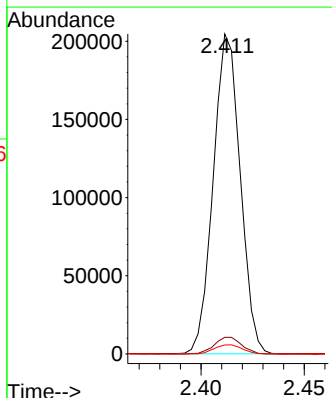
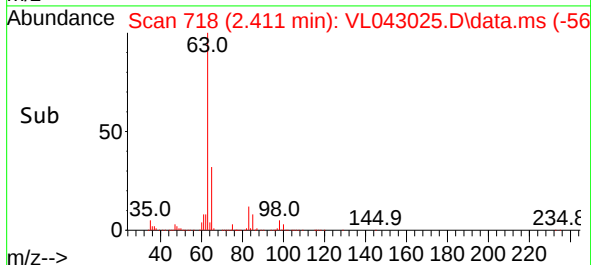
Tgt Ion:	43	Resp:	294135
Ion	Ratio	Lower	Upper
43	100		
86	8.3	7.1	10.7
42	9.3	7.9	11.9
44	5.2	4.3	6.5

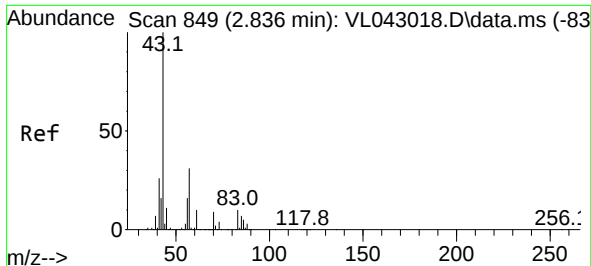


#24
 1,1-Dichloroethane
 Concen: 9.932 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25



Tgt Ion:	63	Resp:	185847
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.2
100	2.8	1.6	4.8

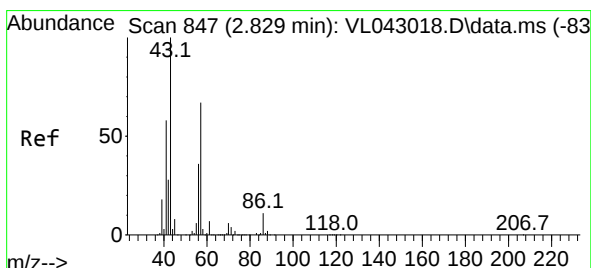
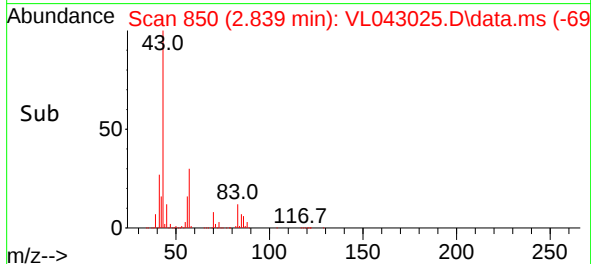
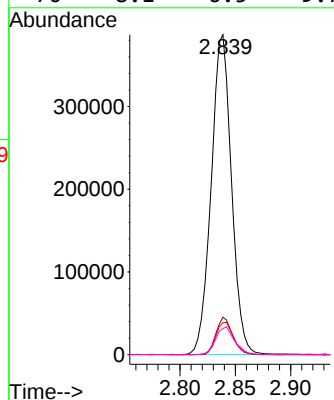
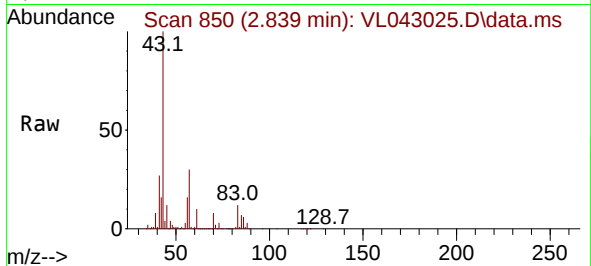




#25
Ethyl Acetate
Concen: 9.615 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

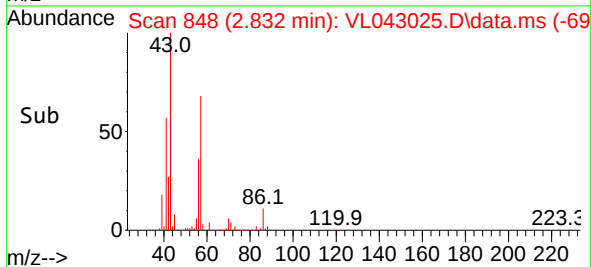
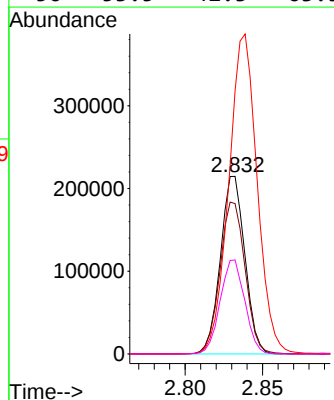
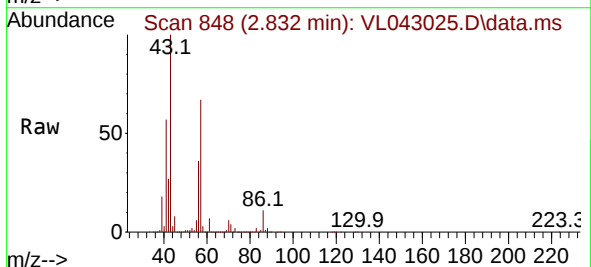
Instrument :
MSVOA_L
ClientSampleId :

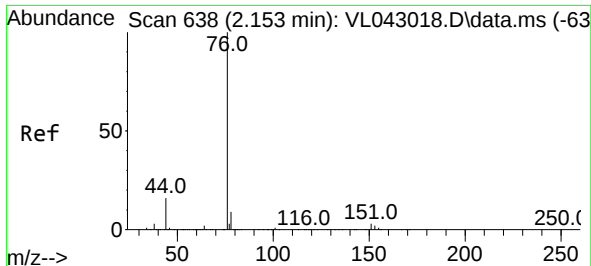
Tgt Ion: 43	Resp: 494082
Ion Ratio	Lower Upper
43 100	
45 9.7	7.8 11.6
61 8.9	7.0 10.4
70 8.1	6.5 9.7



#26
Hexane
Concen: 8.802 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 57	Resp: 235263
Ion Ratio	Lower Upper
57 100	
41 88.7	70.3 105.5
43 210.8	172.1 258.1
56 53.5	42.3 63.5





#27

Carbon Disulfide

Concen: 9.798 ppbv

RT: 2.153 min Scan# 61

Delta R.T. -0.000 min

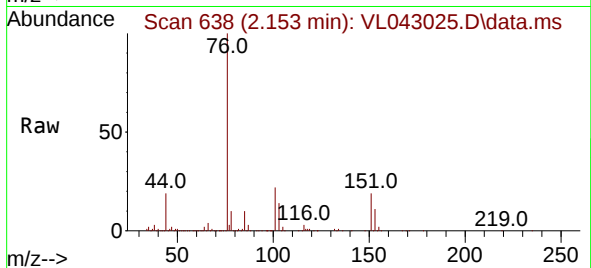
Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :



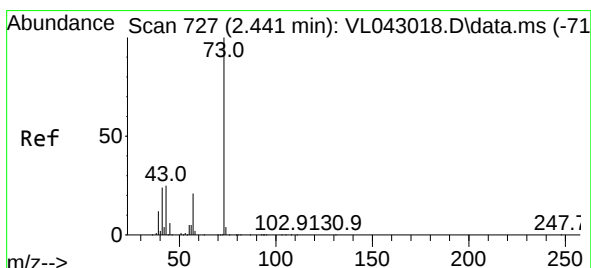
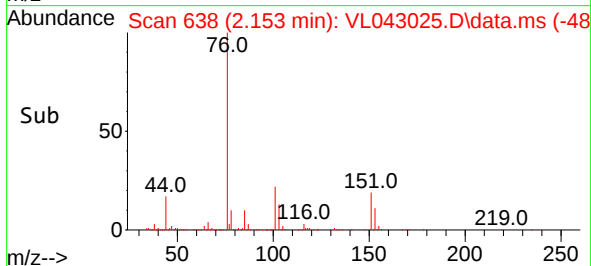
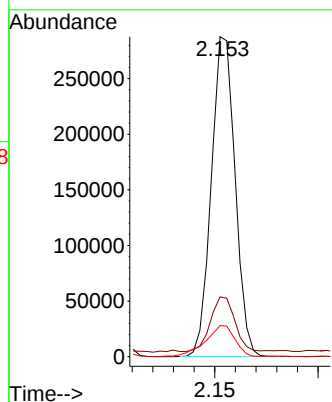
Tgt Ion: 76 Resp: 230309

Ion Ratio Lower Upper

76 100

44 19.5 14.6 21.8

78 12.1 9.4 14.2



#28

Methyl tert-Butyl Ether

Concen: 9.209 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.003 min

Lab File: VL043025.D

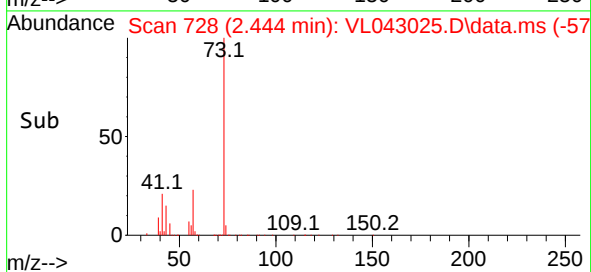
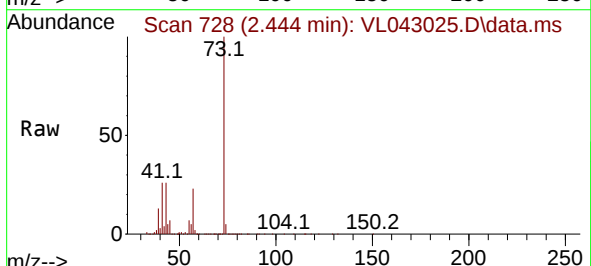
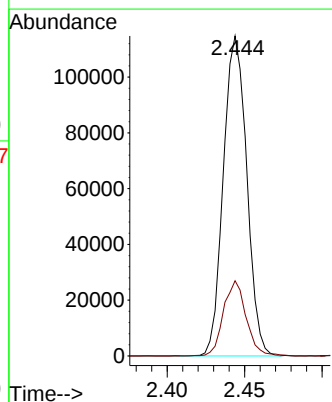
Acq: 30 Sep 2025 13:25

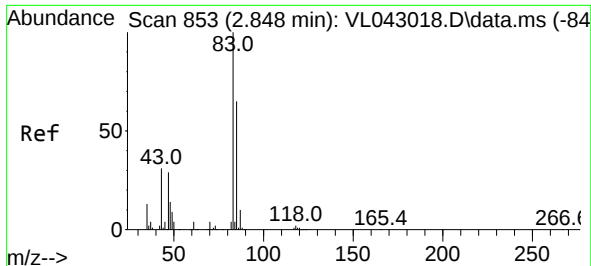
Tgt Ion: 73 Resp: 120484

Ion Ratio Lower Upper

73 100

57 22.9 17.7 26.5





#29

Chloroform

Concen: 10.054 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

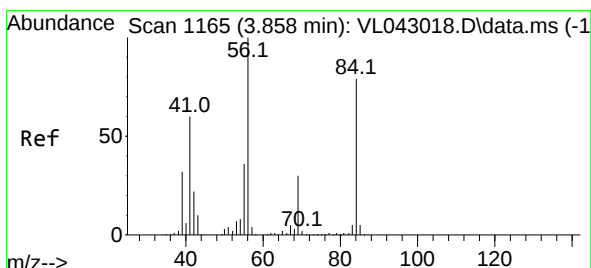
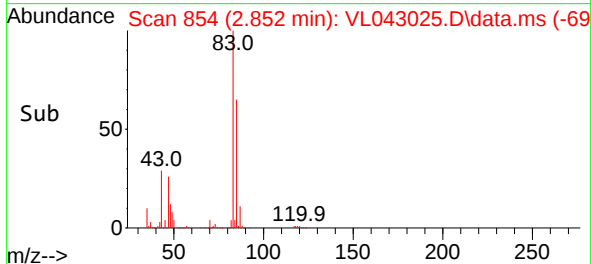
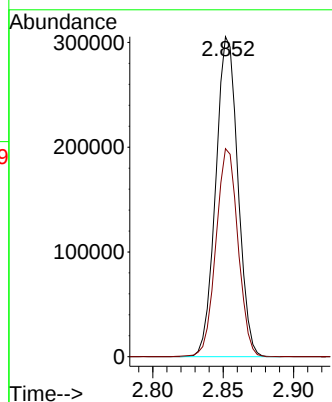
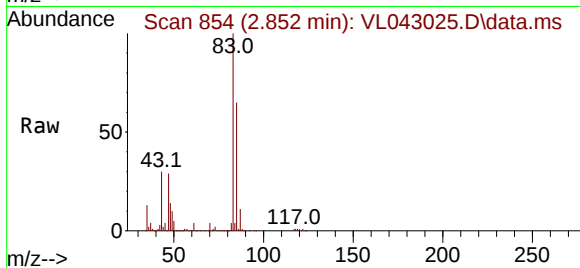
ClientSampleId :

Tgt Ion: 83 Resp: 334360

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5



#30

Cyclohexane

Concen: 10.338 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

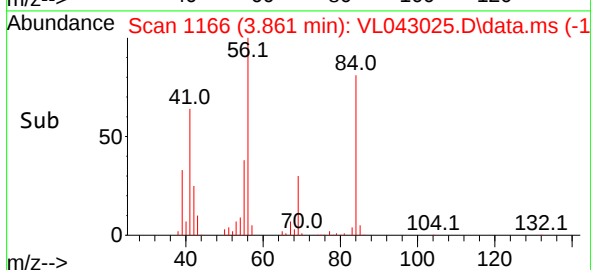
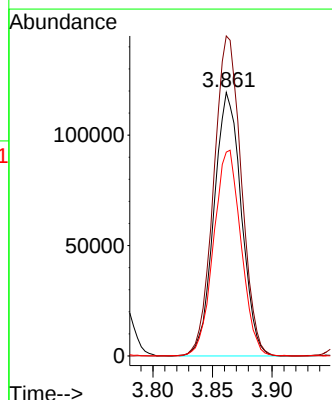
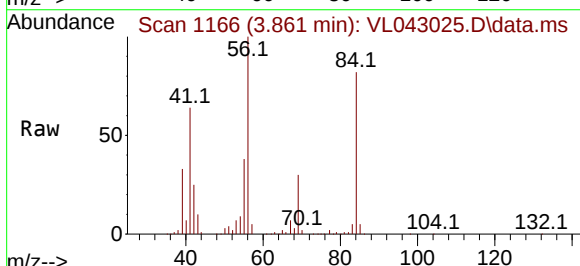
Tgt Ion: 84 Resp: 190310

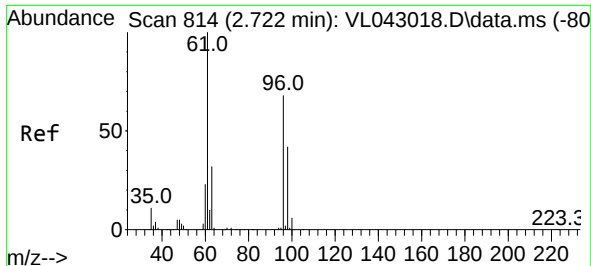
Ion Ratio Lower Upper

84 100

56 122.6 97.3 145.9

41 78.6 62.6 93.8

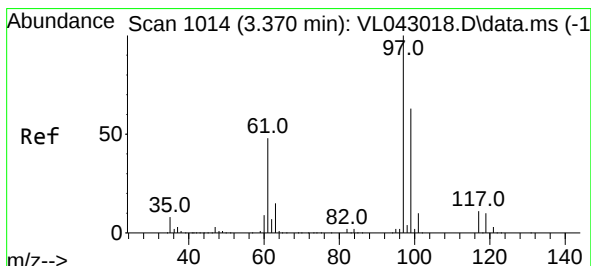
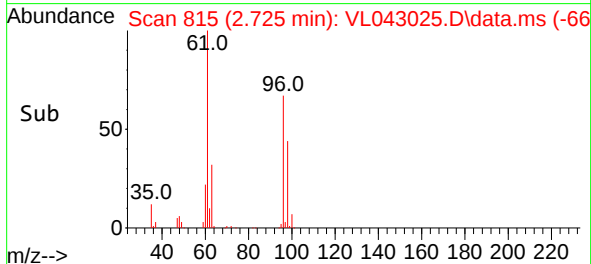
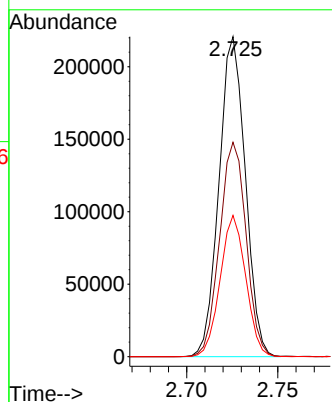
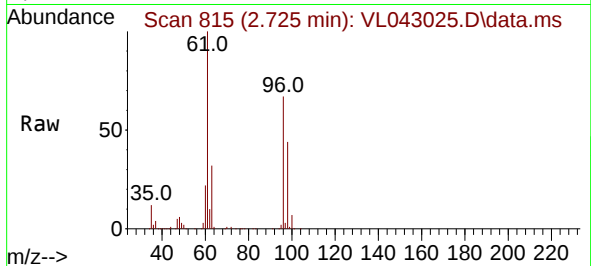




#31
 cis-1,2-Dichloroethene
 Concen: 10.215 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

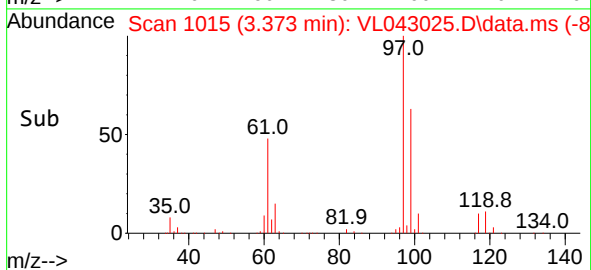
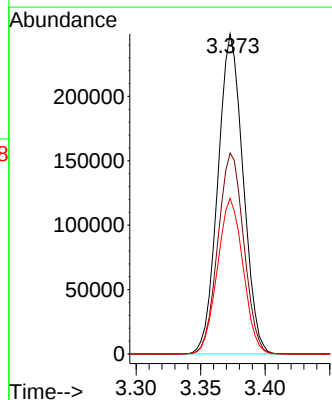
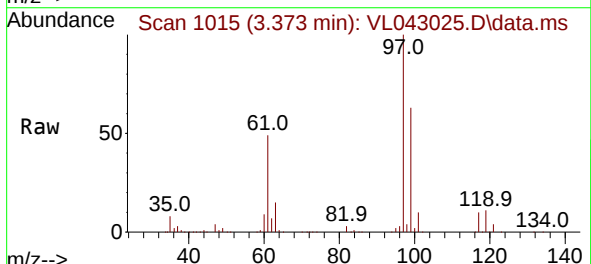
Instrument :
 MSVOA_L
 ClientSampleId :

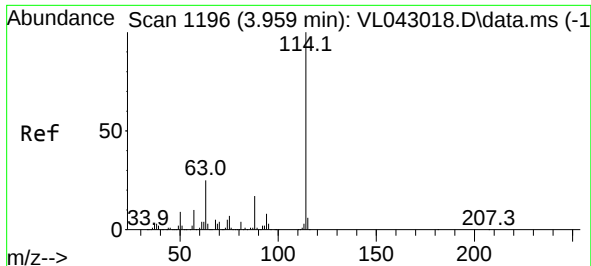
Tgt Ion: 61 Resp: 221658
 Ion Ratio Lower Upper
 61 100
 96 67.0 54.4 81.6
 98 44.2 33.7 50.5



#32
 1,1,1-Trichloroethane
 Concen: 10.023 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion: 97 Resp: 337675
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.4 77.0
 61 49.4 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

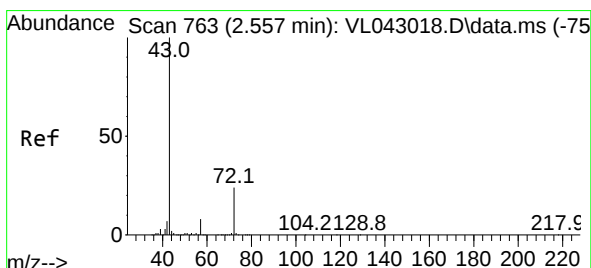
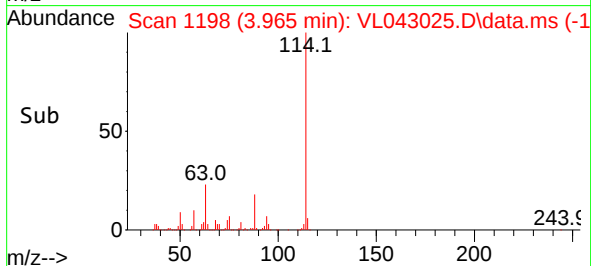
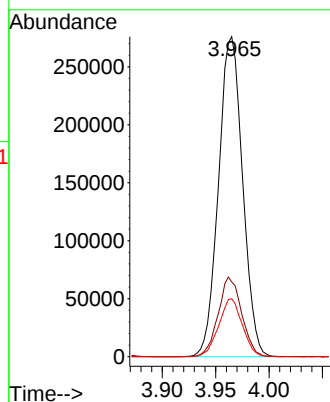
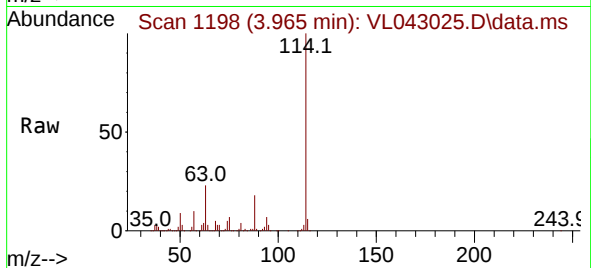
Tgt Ion:114 Resp: 433533

Ion Ratio Lower Upper

114 100

63 24.2 19.7 29.5

88 17.7 13.8 20.6



#34

2-Butanone

Concen: 10.386 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043025.D

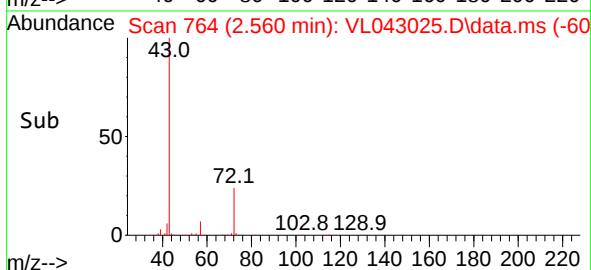
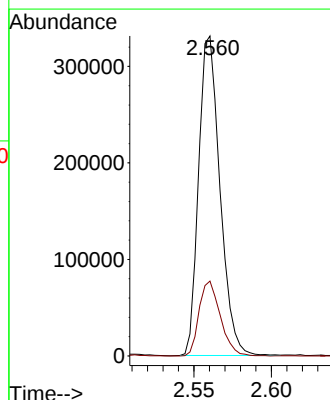
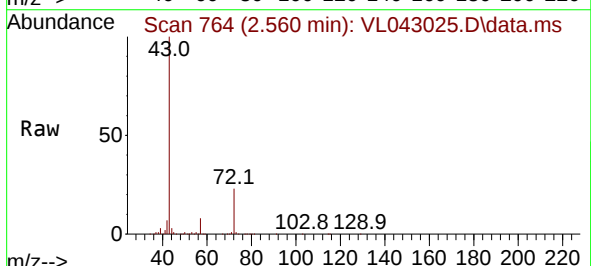
Acq: 30 Sep 2025 13:25

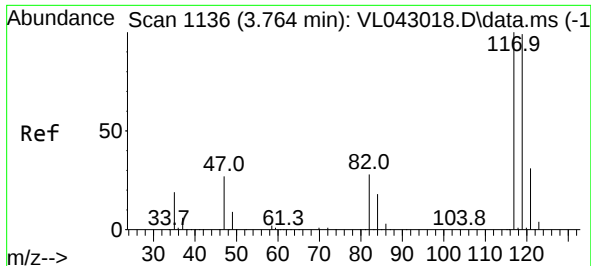
Tgt Ion: 43 Resp: 317046

Ion Ratio Lower Upper

43 100

72 23.4 18.7 28.1

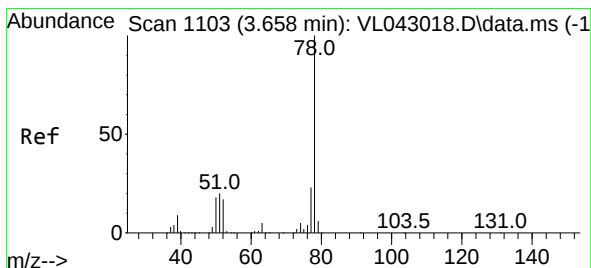
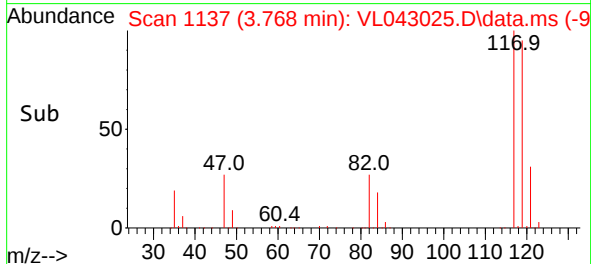
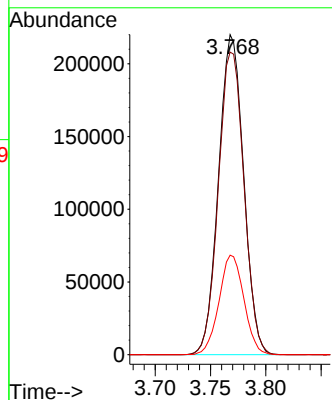
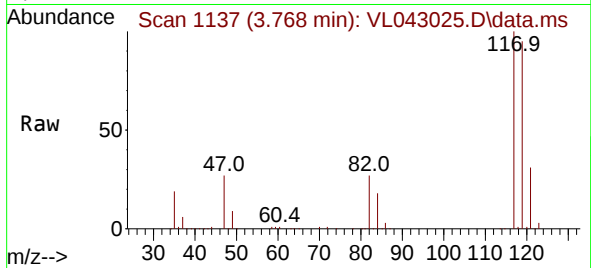




#35
Carbon Tetrachloride
Concen: 9.853 ppbv
RT: 3.768 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

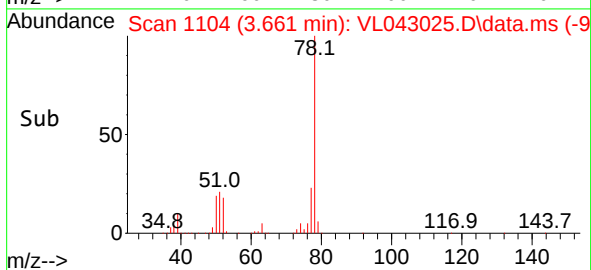
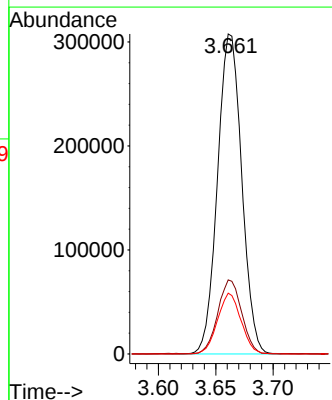
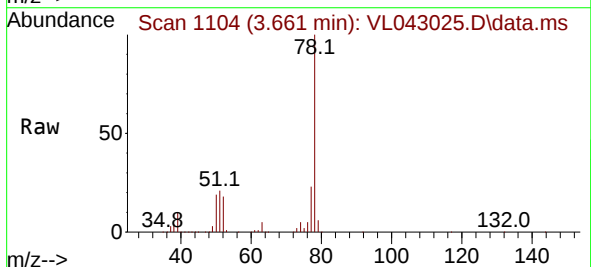
Instrument :
MSVOA_L
ClientSampleId :

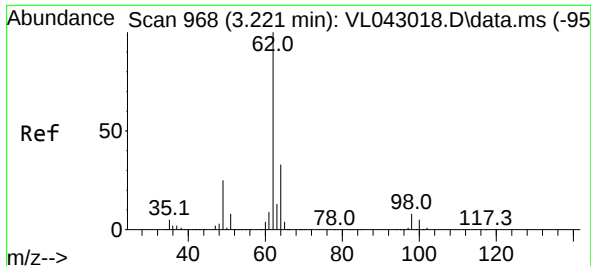
Tgt Ion:117 Resp: 346648
Ion Ratio Lower Upper
117 100
119 94.5 79.1 118.7
121 31.1 24.5 36.7



#36
Benzene
Concen: 10.390 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 78 Resp: 451462
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2
50 19.0 14.5 21.7

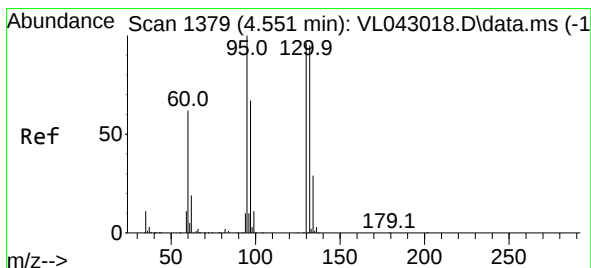
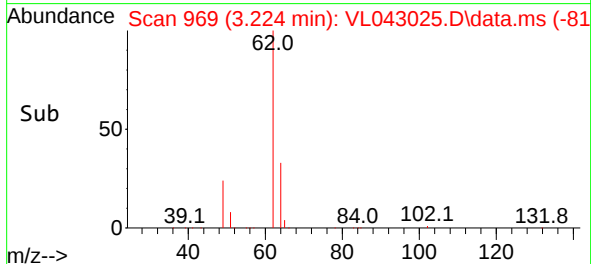
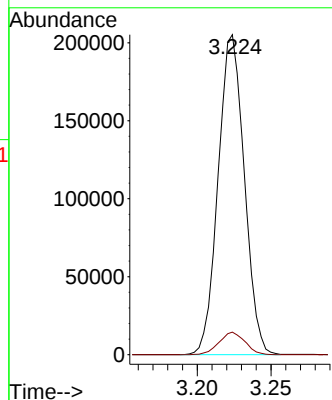
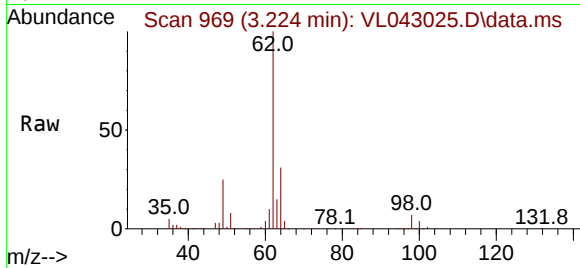




#37
1,2-Dichloroethane
Concen: 10.201 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

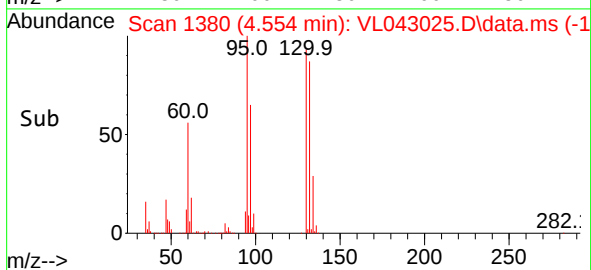
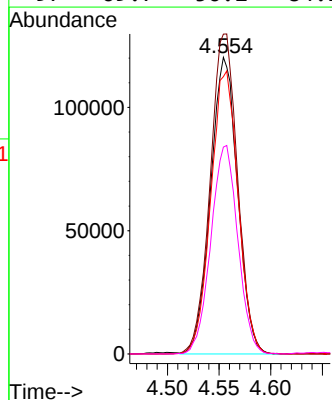
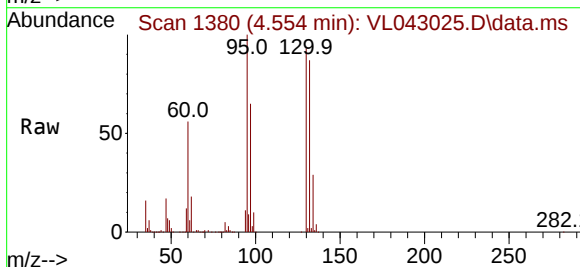
Instrument :
MSVOA_L
ClientSampleId :

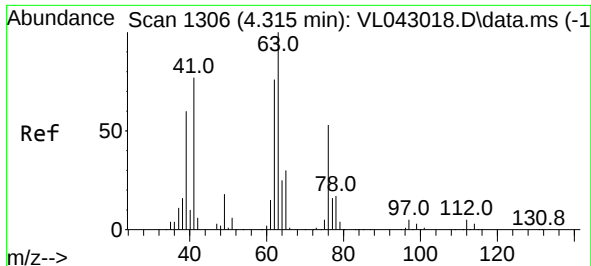
Tgt Ion: 62 Resp: 253279
Ion Ratio Lower Upper
62 100
98 7.0 5.7 8.5



#38
Trichloroethene
Concen: 10.079 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion:130 Resp: 219316
Ion Ratio Lower Upper
130 100
95 107.8 83.4 125.0
132 93.4 79.0 118.4
97 69.7 56.2 84.2





#39

1,2-Dichloropropane

Concen: 10.096 ppbv

RT: 4.318 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

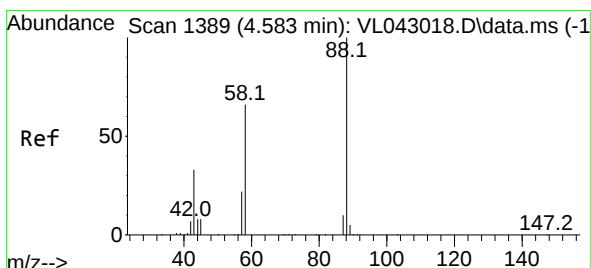
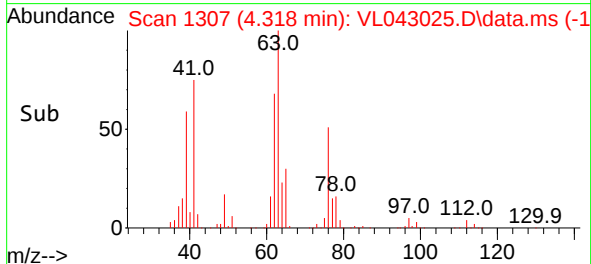
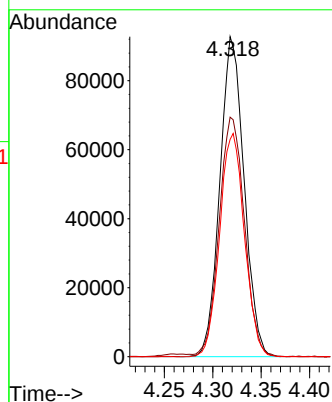
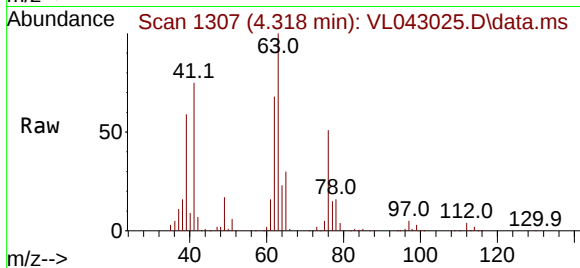
Tgt Ion: 63 Resp: 161086

Ion Ratio Lower Upper

63 100

41 74.7 62.3 93.5

62 67.9 60.5 90.7



#40

1,4-Dioxane

Concen: 10.556 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. -0.000 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Tgt Ion: 88 Resp: 71434

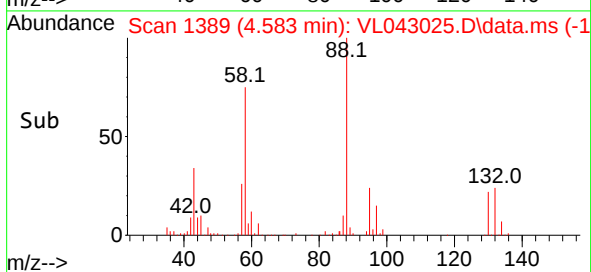
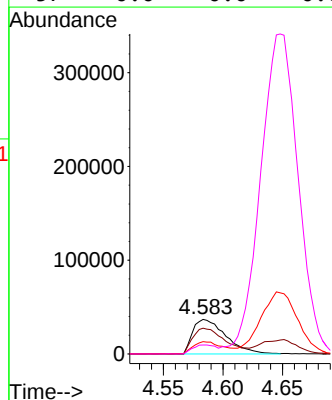
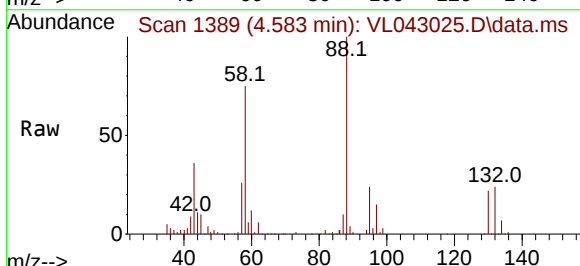
Ion Ratio Lower Upper

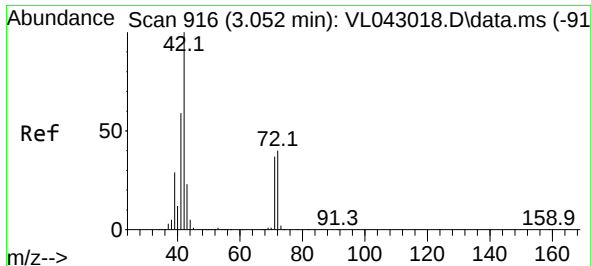
88 100

58 70.1 59.3 88.9

43 31.0 24.3 36.5

57 0.0 0.0 0.0

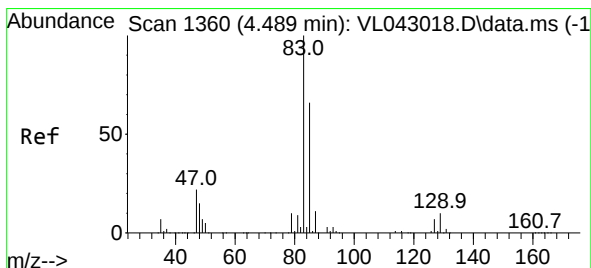
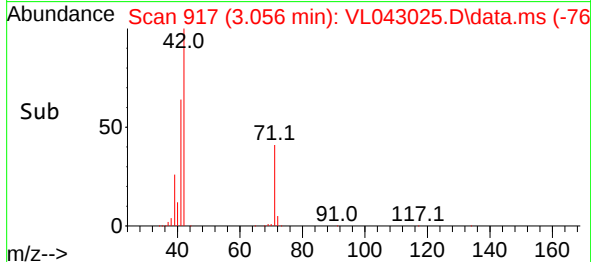
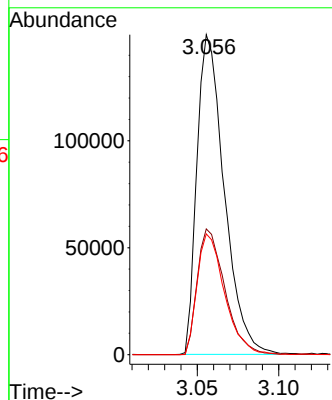
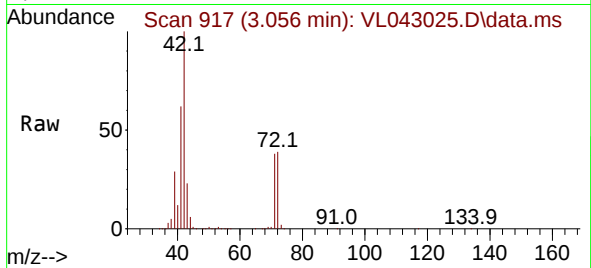




#41
Tetrahydrofuran
Concen: 10.707 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

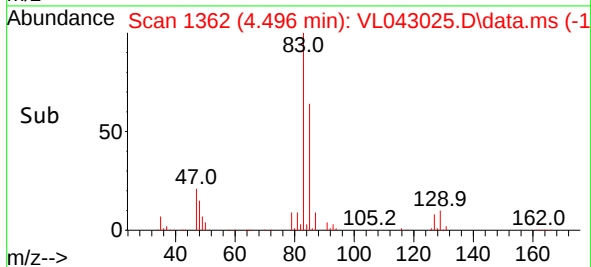
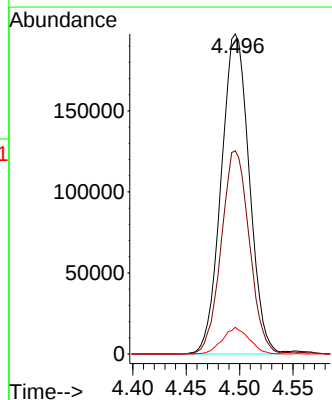
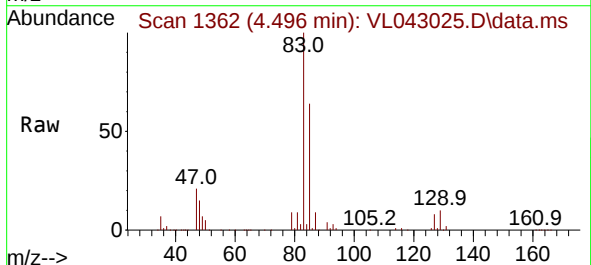
Instrument :
MSVOA_L
ClientSampleId :

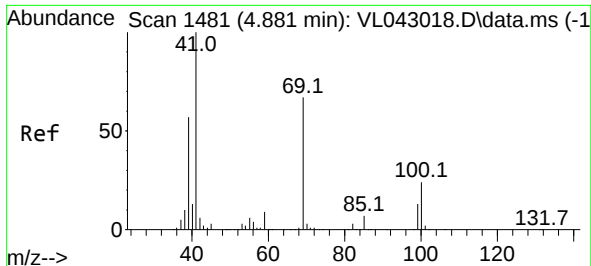
Tgt Ion: 42 Resp: 174060
Ion Ratio Lower Upper
42 100
72 40.0 31.6 47.4
71 38.2 30.4 45.6



#42
Bromodichloromethane
Concen: 10.485 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.006 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 83 Resp: 361636
Ion Ratio Lower Upper
83 100
85 63.5 52.6 78.8
127 8.4 5.7 8.5

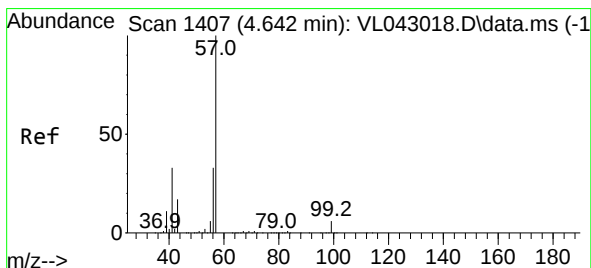
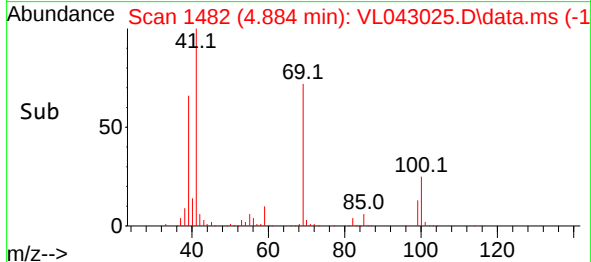
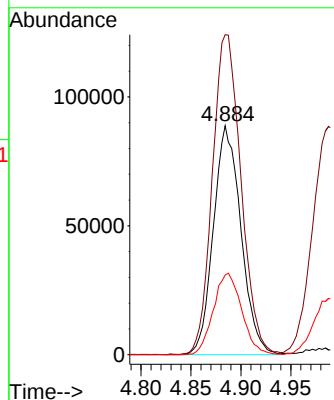
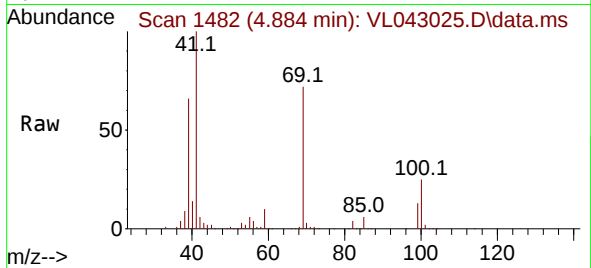




#43
Methyl Methacrylate
Concen: 11.161 ppbv
RT: 4.884 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

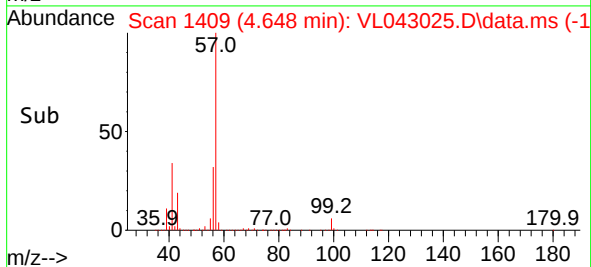
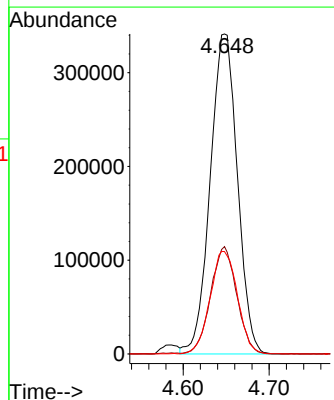
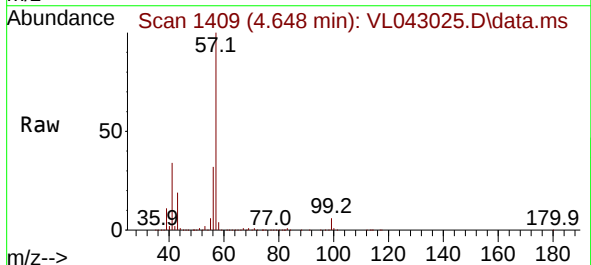
Instrument :
MSVOA_L
ClientSampleId :

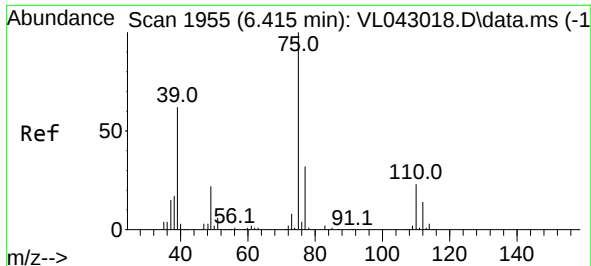
Tgt Ion: 69 Resp: 170390
Ion Ratio Lower Upper
69 100
41 145.2 117.6 176.4
100 36.5 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 10.486 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.006 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 57 Resp: 749612
Ion Ratio Lower Upper
57 100
41 32.4 26.2 39.2
56 32.3 25.9 38.9

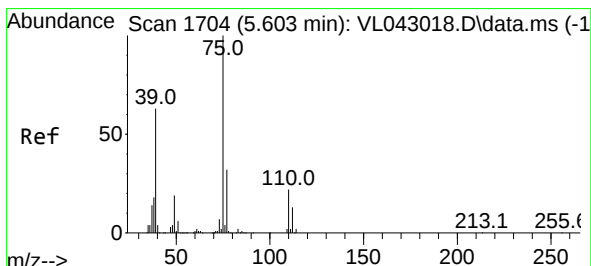
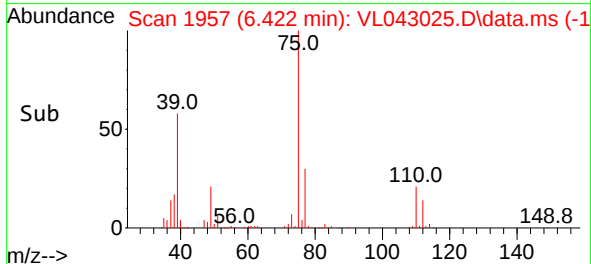
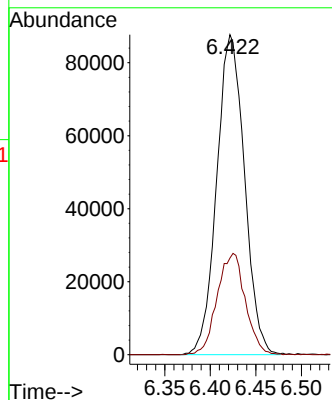
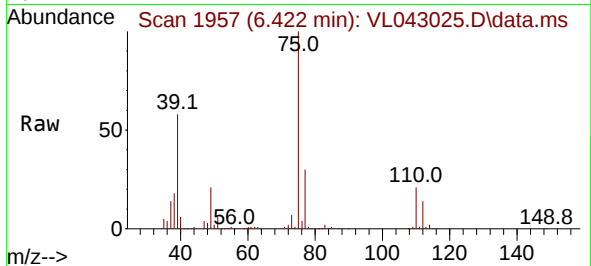




#45
 t-1,3-Dichloropropene
 Concen: 10.704 ppbv
 RT: 6.422 min Scan# 1955
 Delta R.T. 0.006 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

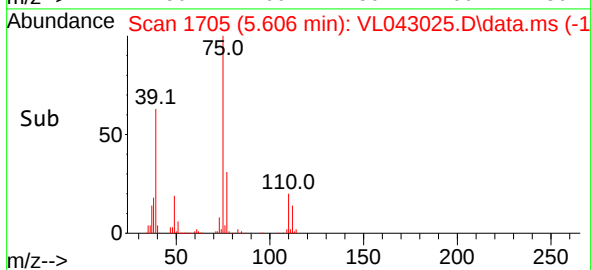
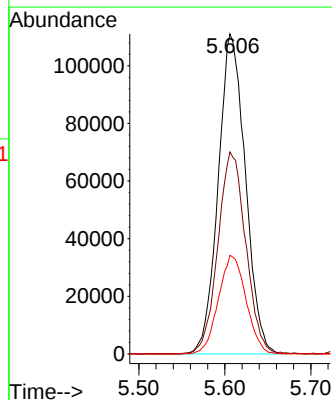
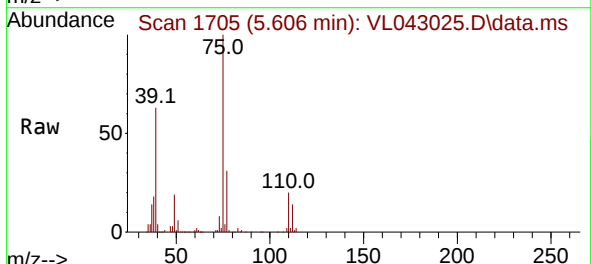
Instrument :
 MSVOA_L
 ClientSampleId :

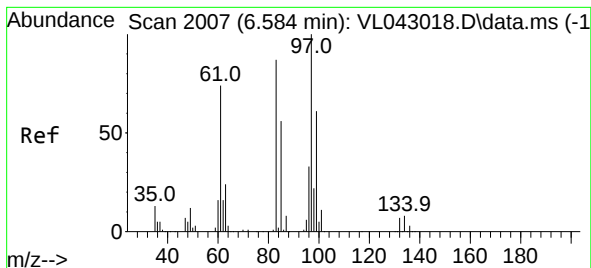
Tgt Ion: 75 Resp: 185804
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.753 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion: 75 Resp: 243481
 Ion Ratio Lower Upper
 75 100
 39 63.0 50.2 75.2
 77 30.8 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.603 ppbv

RT: 6.590 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 179447

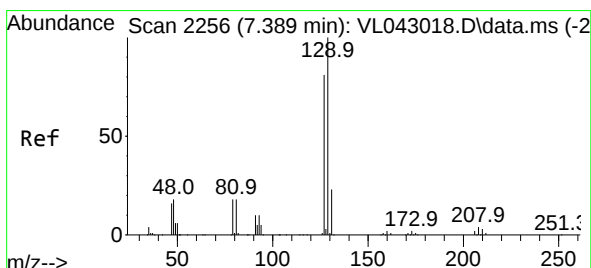
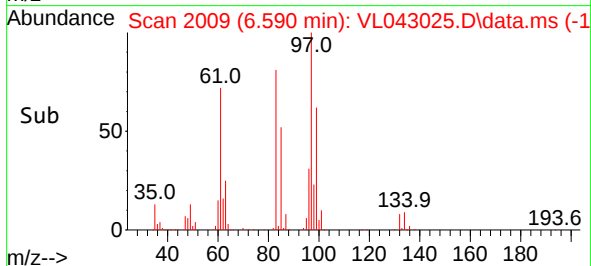
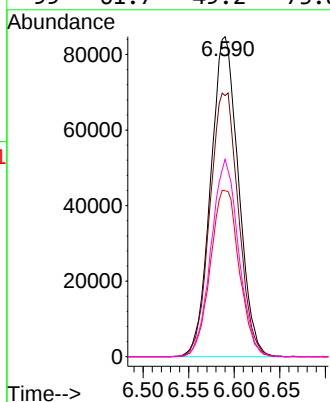
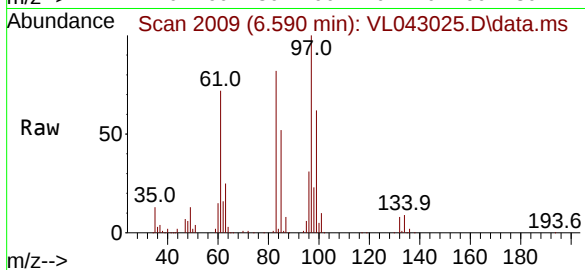
Ion Ratio Lower Upper

97 100

83 81.4 69.6 104.4

85 51.8 44.6 66.8

99 61.7 49.2 73.8



#48

Dibromochloromethane

Concen: 10.480 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.006 min

Lab File: VL043025.D

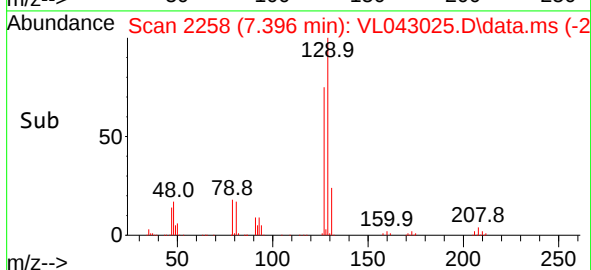
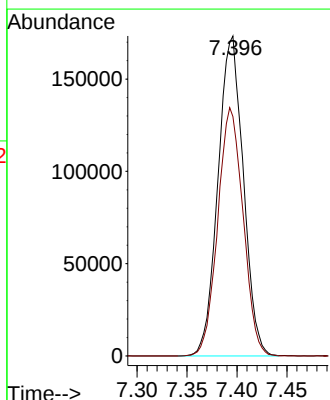
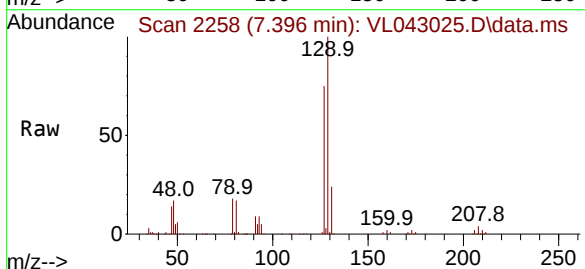
Acq: 30 Sep 2025 13:25

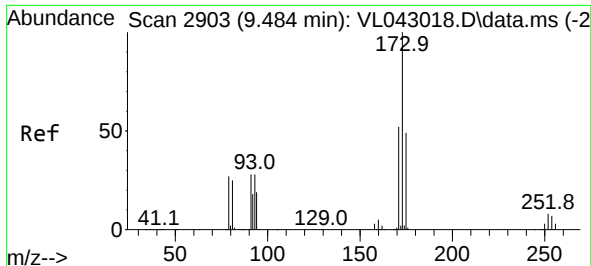
Tgt Ion: 129 Resp: 305653

Ion Ratio Lower Upper

129 100

127 77.6 38.6 116.0

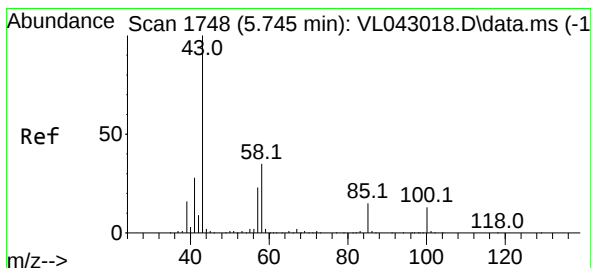
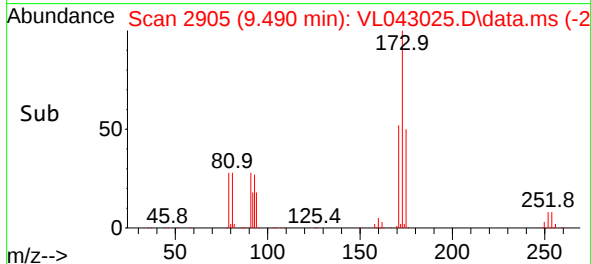
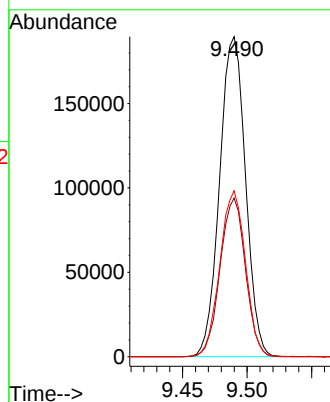
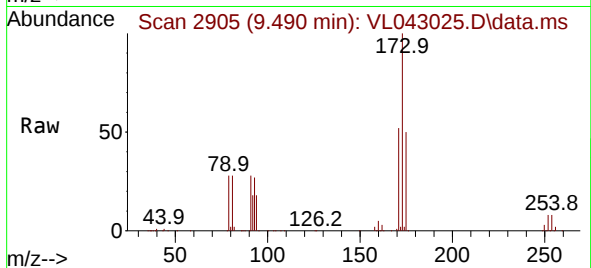




#49
Bromoform
Concen: 10.681 ppbv
RT: 9.490 min Scan# 2903
Delta R.T. 0.006 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

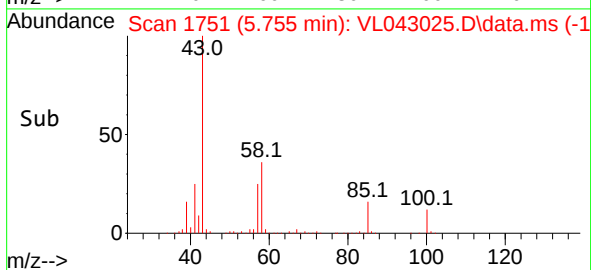
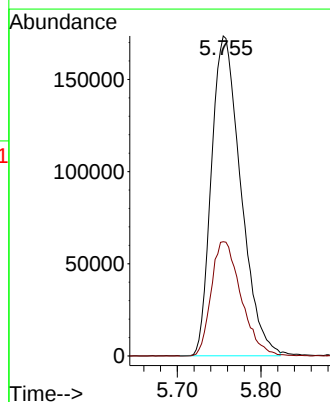
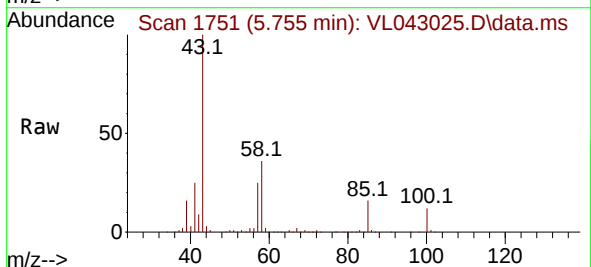
Instrument :
MSVOA_L
ClientSampleId :

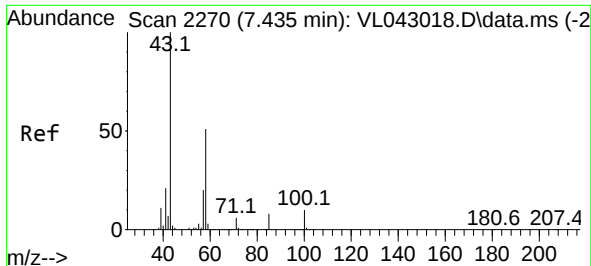
Tgt Ion:173 Resp: 264418
Ion Ratio Lower Upper
173 100
175 48.5 39.1 58.7
171 51.3 41.4 62.0



#50
4-Methyl-2-Pentanone
Concen: 10.864 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.010 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 43 Resp: 423187
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.2

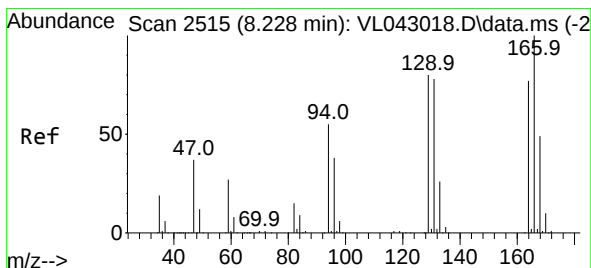
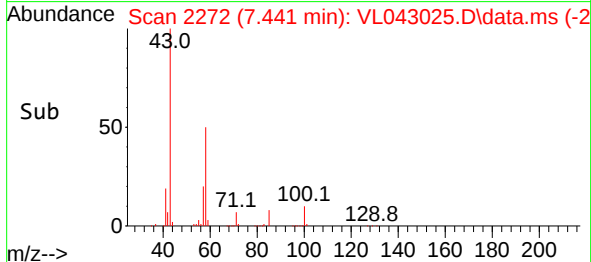
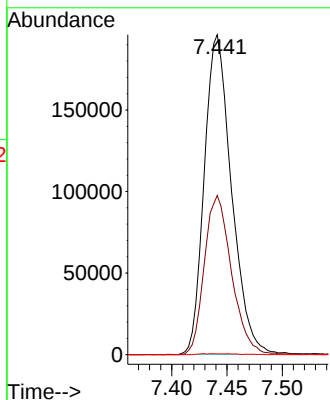
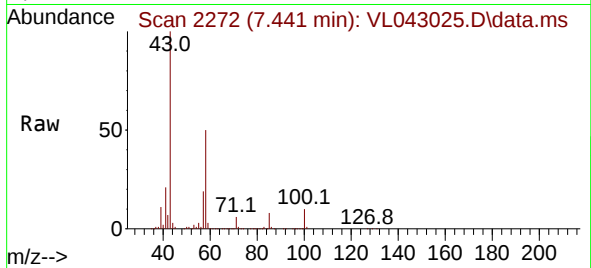




#51
2-Hexanone
Concen: 11.703 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

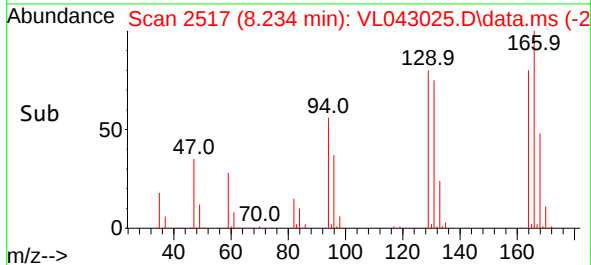
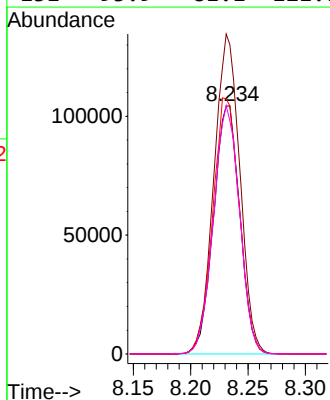
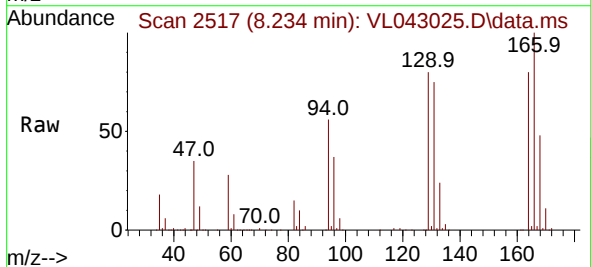
Instrument :
MSVOA_L
ClientSampleId :

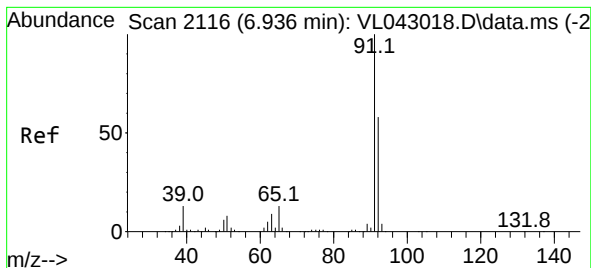
Tgt Ion: 43 Resp: 335943
Ion Ratio Lower Upper
43 100
58 49.9 39.7 59.5
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.618 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.006 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion:164 Resp: 166605
Ion Ratio Lower Upper
164 100
166 124.7 103.5 155.3
129 100.0 82.6 124.0
131 93.9 81.1 121.7





#53

Toluene

Concen: 10.754 ppbv

RT: 6.939 min Scan# 2116

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

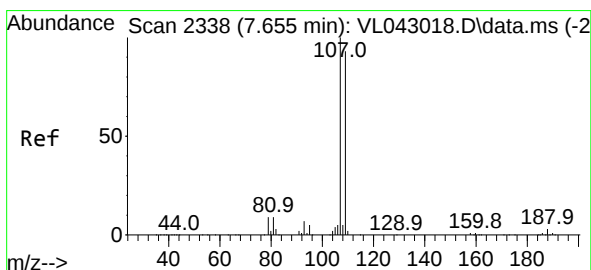
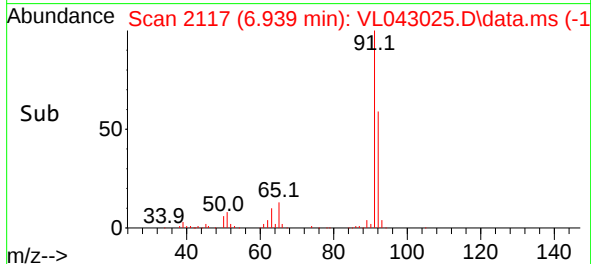
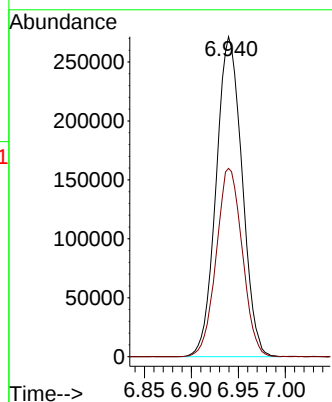
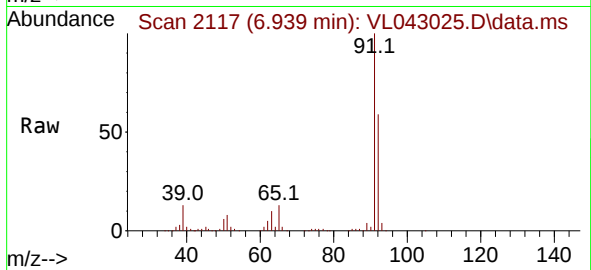
ClientSampleId :

Tgt Ion: 91 Resp: 521124

Ion Ratio Lower Upper

91 100

92 59.2 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.537 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. 0.006 min

Lab File: VL043025.D

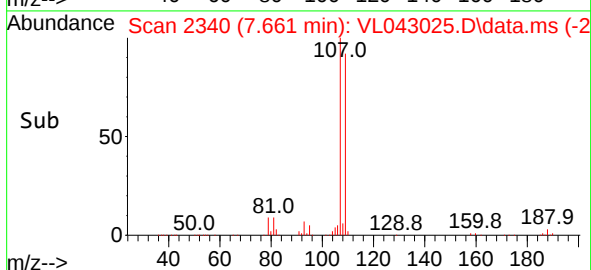
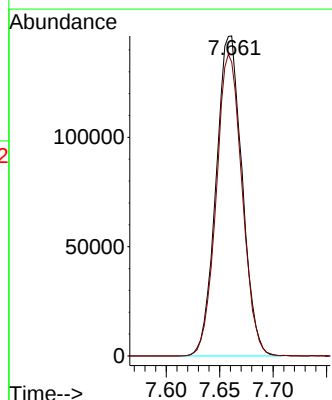
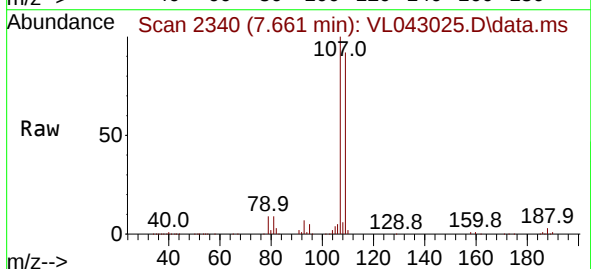
Acq: 30 Sep 2025 13:25

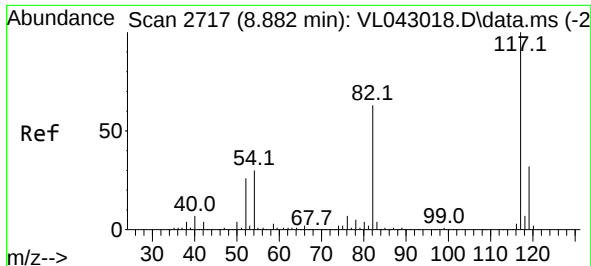
Tgt Ion:107 Resp: 248872

Ion Ratio Lower Upper

107 100

109 91.8 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

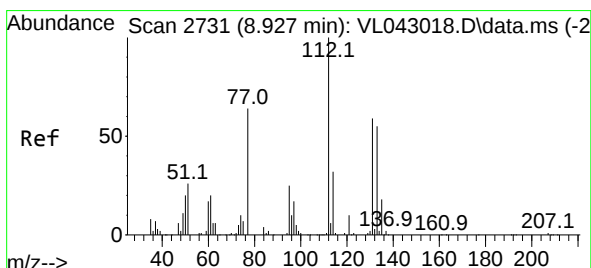
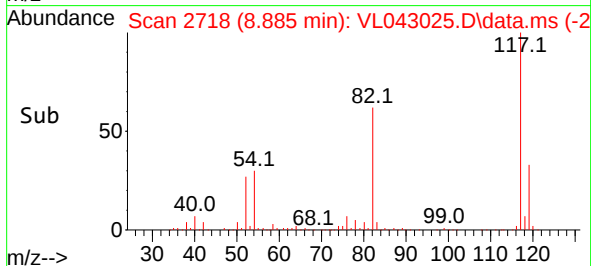
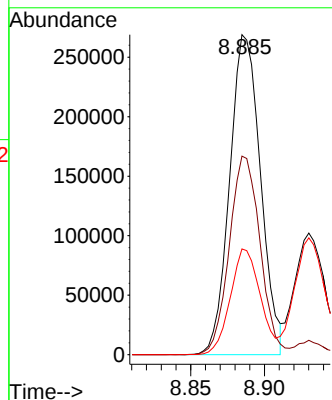
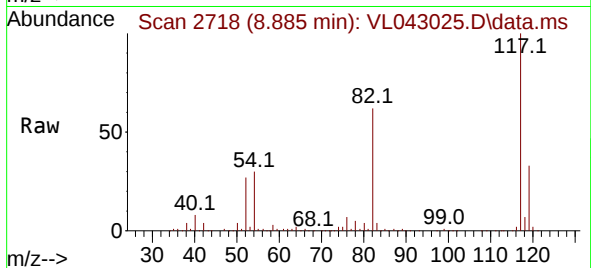
Tgt Ion:117 Resp: 392140

Ion Ratio Lower Upper

117 100

82 65.6 52.6 78.8

119 32.7 26.4 39.6



#56

1,1,1,2-Tetrachloroethane

Concen: 10.260 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

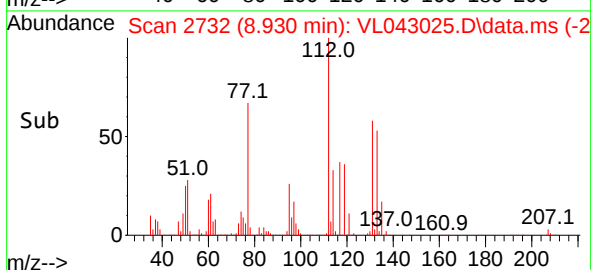
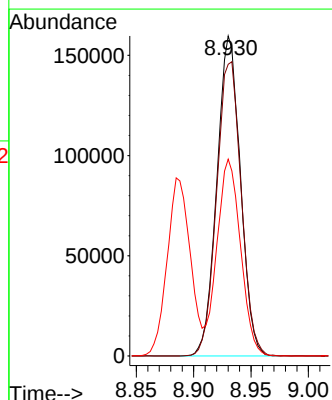
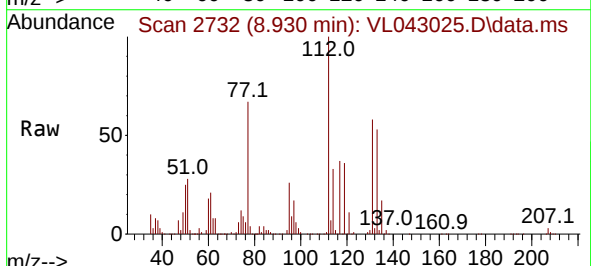
Tgt Ion:131 Resp: 227977

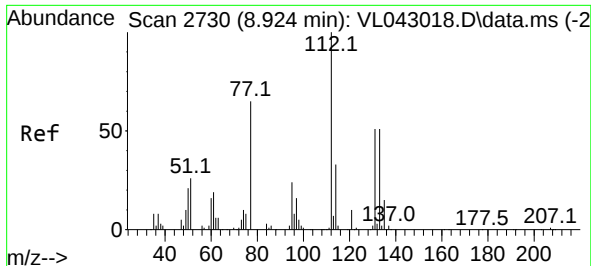
Ion Ratio Lower Upper

131 100

133 96.1 76.6 114.8

119 63.2 48.8 73.2

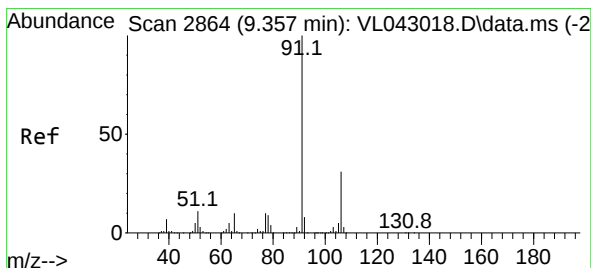
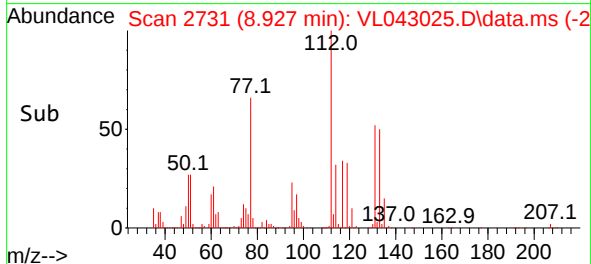
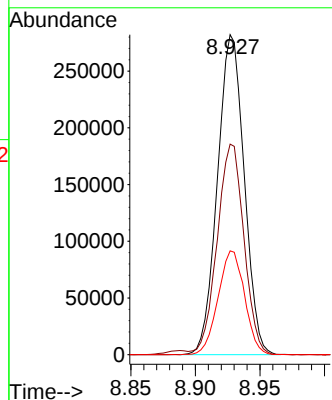
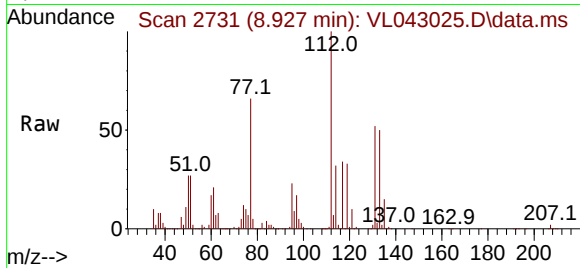




#57
Chlorobenzene
Concen: 10.051 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

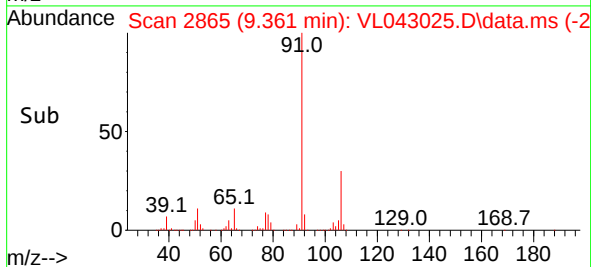
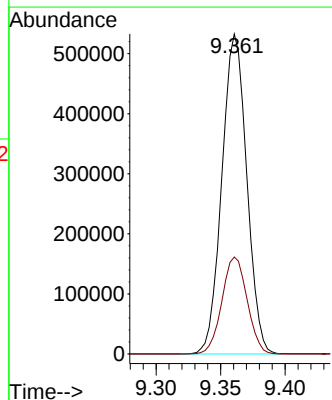
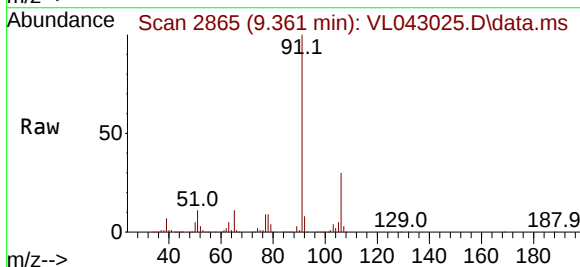
Instrument :
MSVOA_L
ClientSampleId :

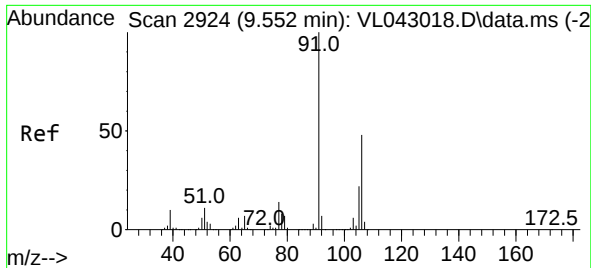
Tgt Ion:112 Resp: 406310
Ion Ratio Lower Upper
112 100
77 65.7 52.7 79.1
114 32.4 29.5 36.1



#58
Ethyl Benzene
Concen: 10.732 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 91 Resp: 713336
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2

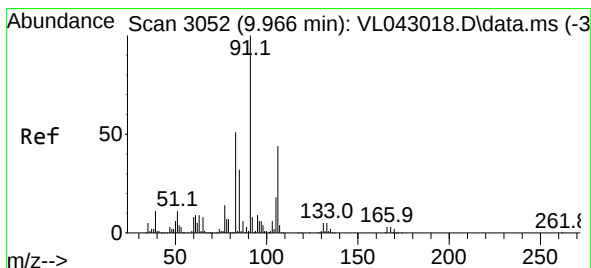
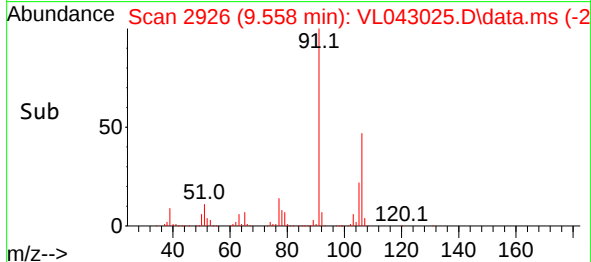
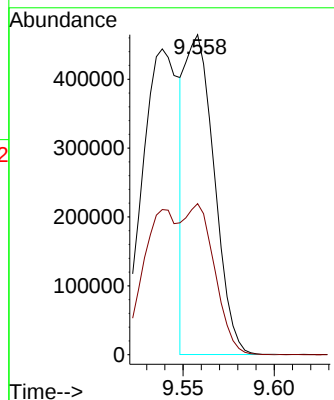
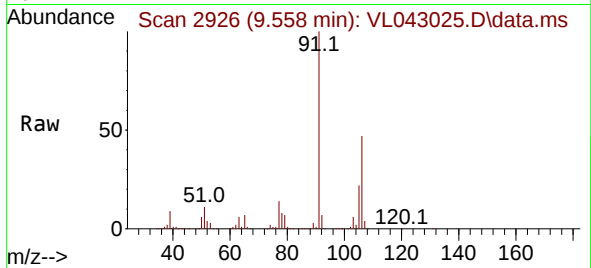




#59
m/p-Xylene
Concen: 9.664 ppbv
RT: 9.558 min Scan# 2924
Delta R.T. 0.006 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

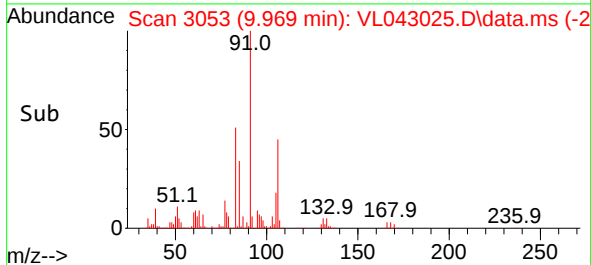
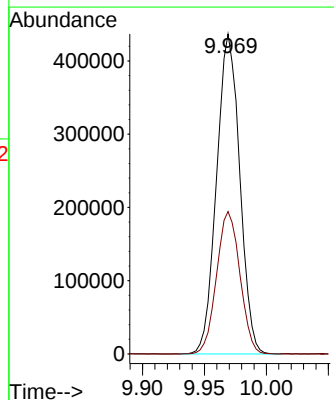
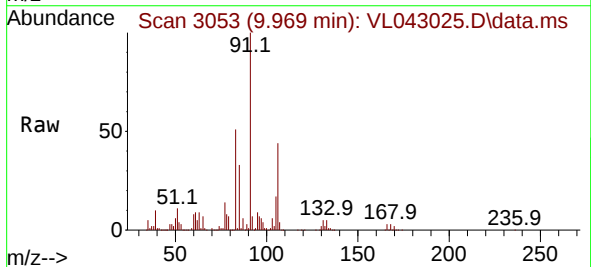
Instrument :
MSVOA_L
ClientSampleId :

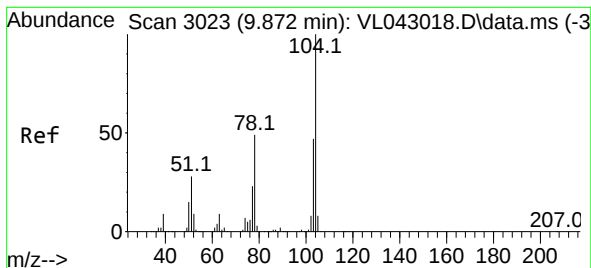
Tgt Ion: 91 Resp: 516803
Ion Ratio Lower Upper
91 100
106 104.7 38.1 57.1#



#60
o-Xylene
Concen: 10.695 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 91 Resp: 568505
Ion Ratio Lower Upper
91 100
106 44.8 22.2 66.6





#61

Styrene

Concen: 11.337 ppbv

RT: 9.875 min Scan# 3023

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

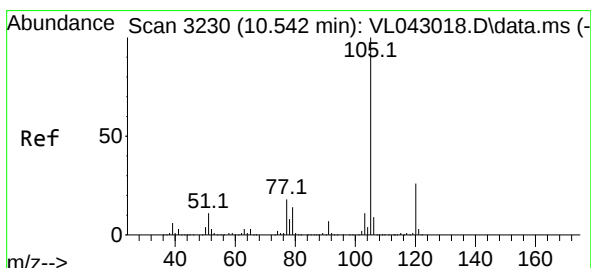
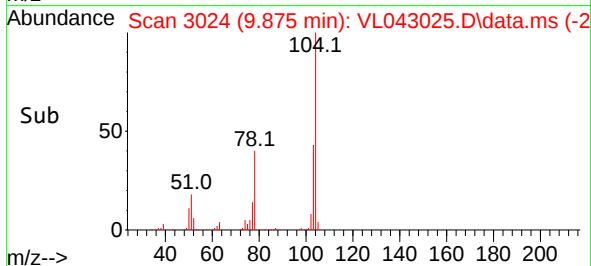
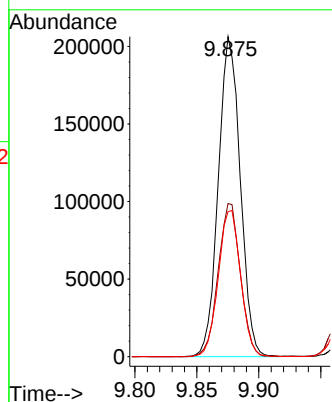
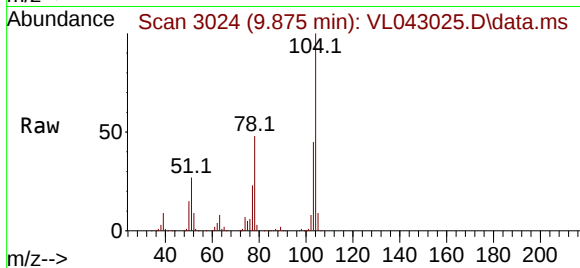
Tgt Ion:104 Resp: 255062

Ion Ratio Lower Upper

104 100

78 48.4 39.0 58.4

103 46.5 37.4 56.2



#62

Isopropylbenzene

Concen: 10.611 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.003 min

Lab File: VL043025.D

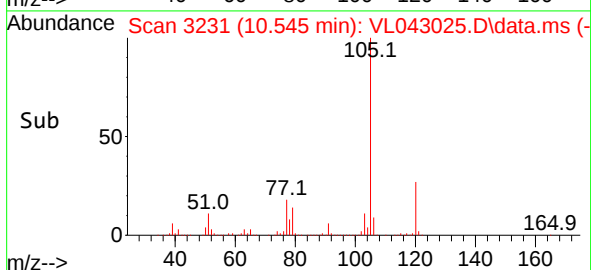
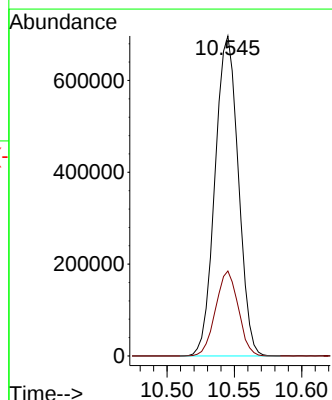
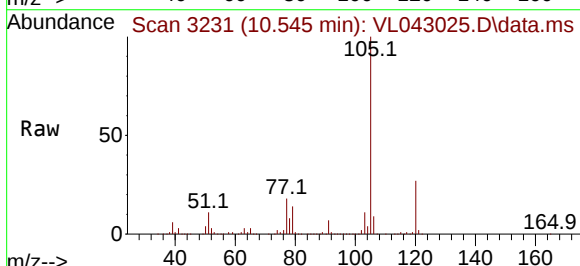
Acq: 30 Sep 2025 13:25

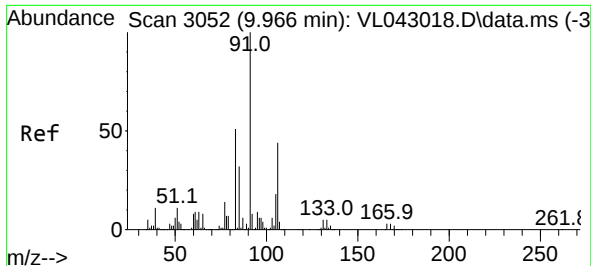
Tgt Ion:105 Resp: 839776

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

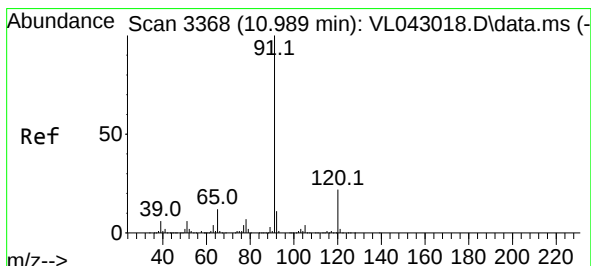
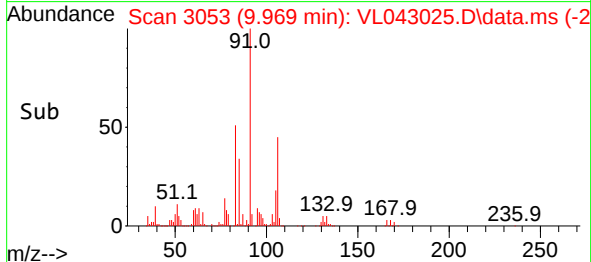
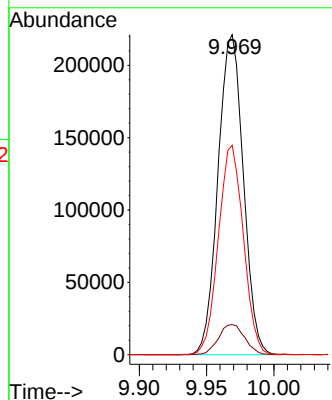
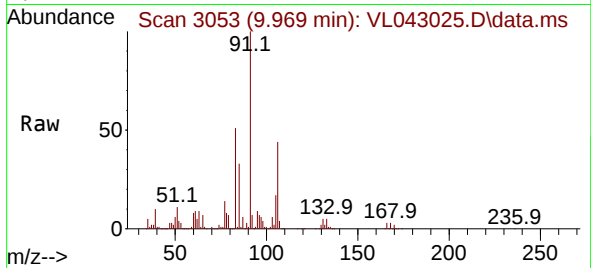




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.145 ppbv
 RT: 9.969 min Scan# 3053
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

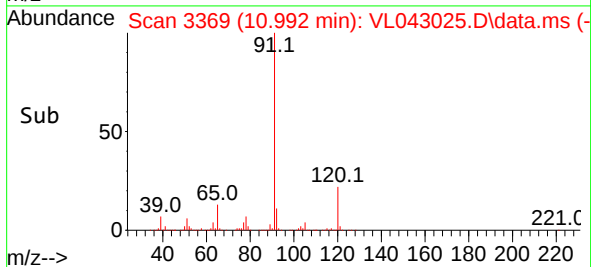
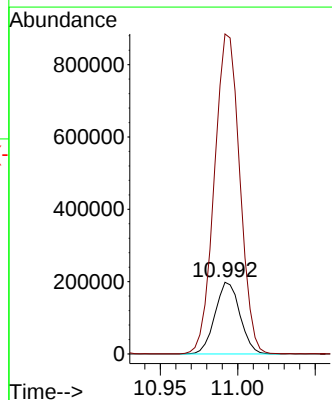
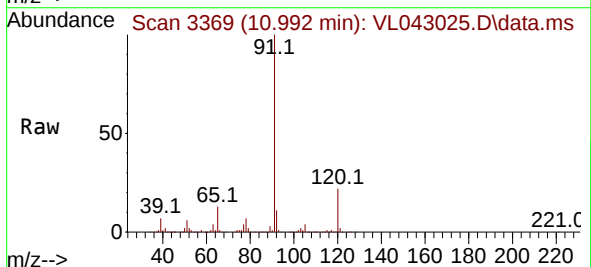
Instrument :
 MSVOA_L
 ClientSampleId :

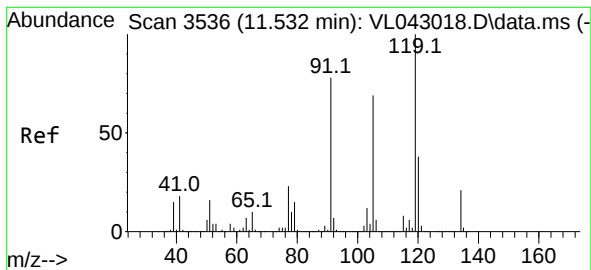
Tgt Ion: 83 Resp: 289419
 Ion Ratio Lower Upper
 83 100
 131 9.8 5.0 14.9
 85 64.6 32.2 96.6



#64
 n-propylbenzene
 Concen: 10.733 ppbv
 RT: 10.992 min Scan# 3369
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion: 120 Resp: 221371
 Ion Ratio Lower Upper
 120 100
 91 456.9 365.6 548.4

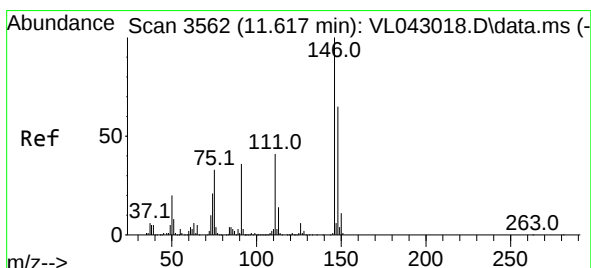
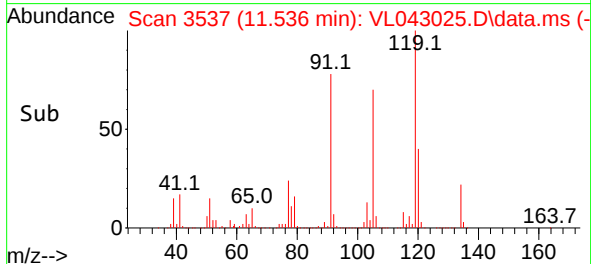
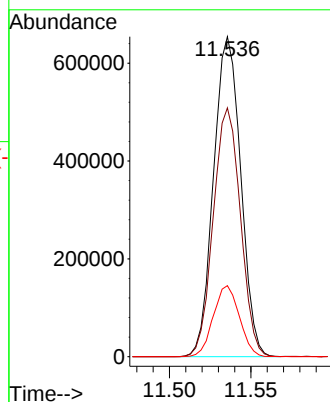
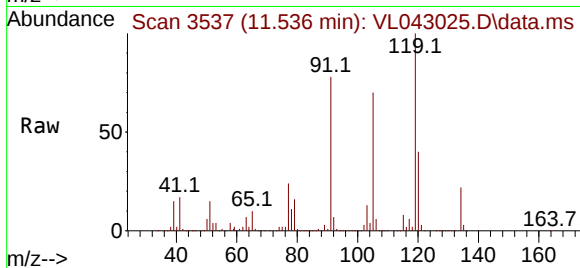




#65
tert-Butylbenzene
Concen: 10.577 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

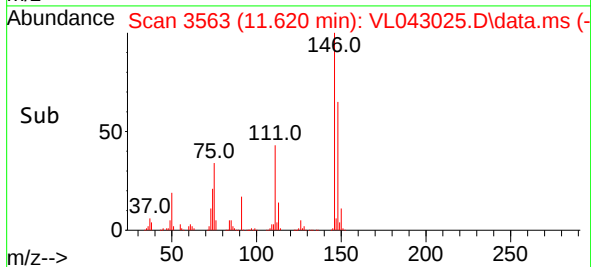
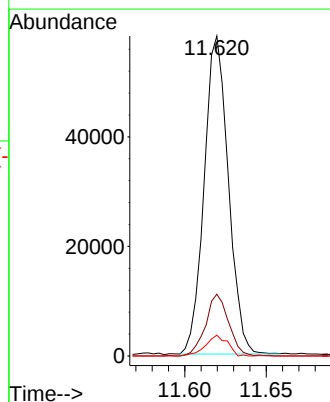
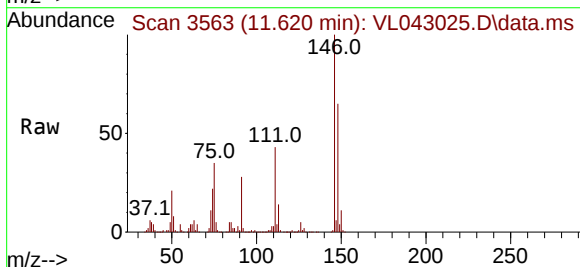
Instrument :
MSVOA_L
ClientSampleId :

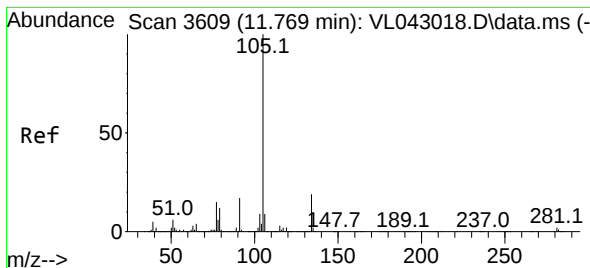
Tgt Ion:119 Resp: 758042
Ion Ratio Lower Upper
119 100
91 77.7 62.6 93.8
134 21.3 16.7 25.1



#66
Benzyl Chloride
Concen: 10.477 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 91 Resp: 59902
Ion Ratio Lower Upper
91 100
126 18.5 14.1 21.1
128 5.9 4.9 7.3





#67

sec-Butylbenzene

Concen: 10.410 ppbv

RT: 11.772 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

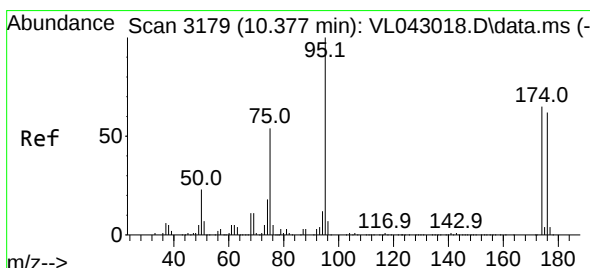
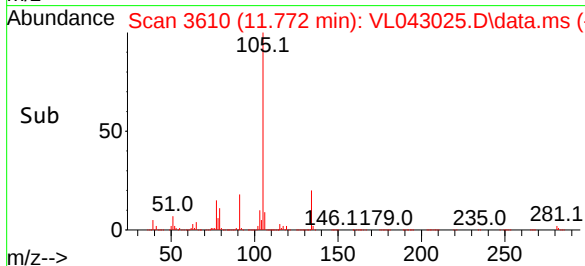
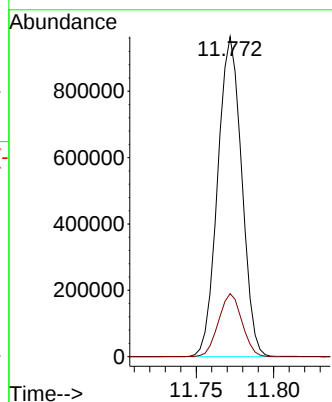
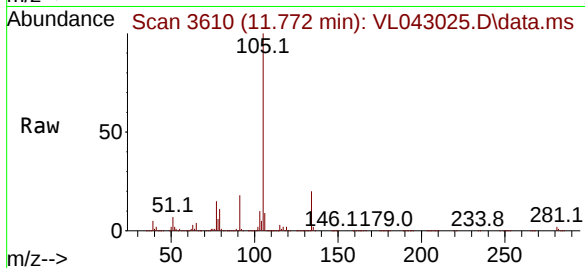
ClientSampleId :

Tgt Ion:105 Resp: 1040426

Ion Ratio Lower Upper

105 100

134 19.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.139 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

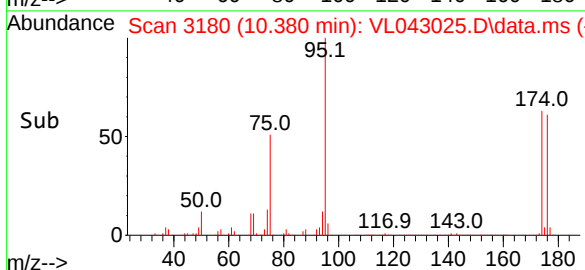
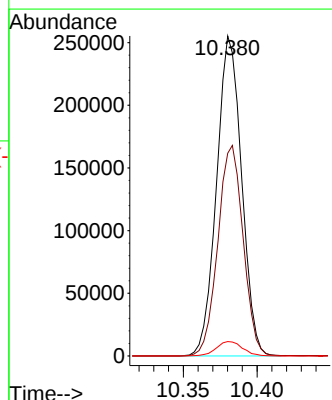
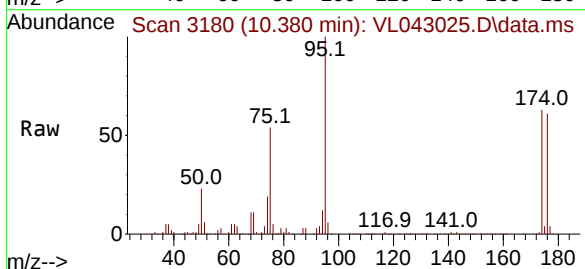
Tgt Ion: 95 Resp: 301195

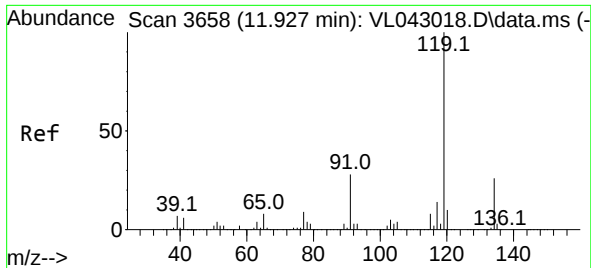
Ion Ratio Lower Upper

95 100

174 66.7 53.4 80.2

175 4.7 3.8 5.8

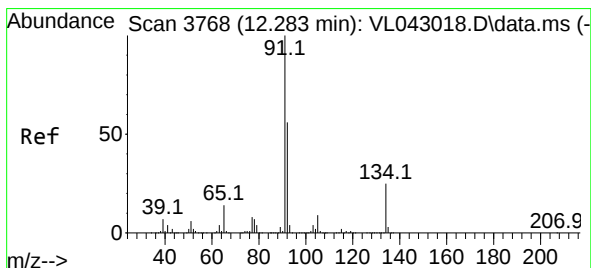
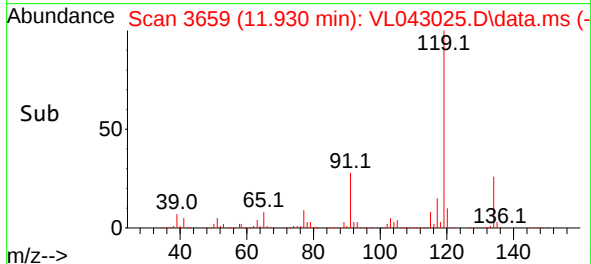
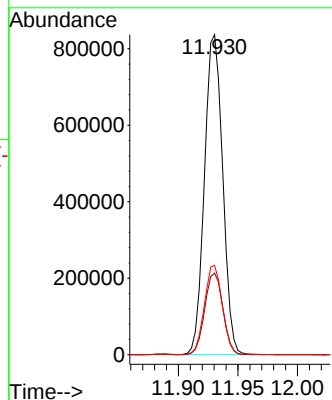
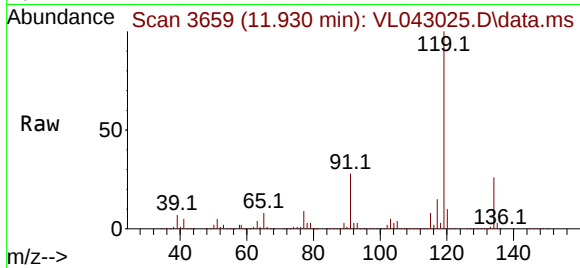




#69
 p-Isopropyltoluene
 Concen: 10.695 ppbv
 RT: 11.930 min Scan# 3659
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

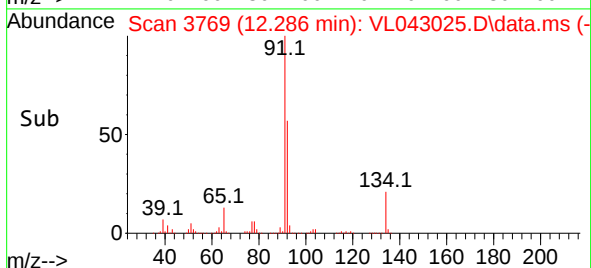
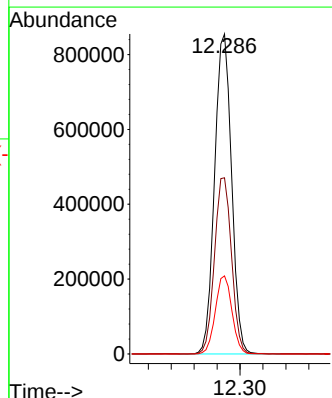
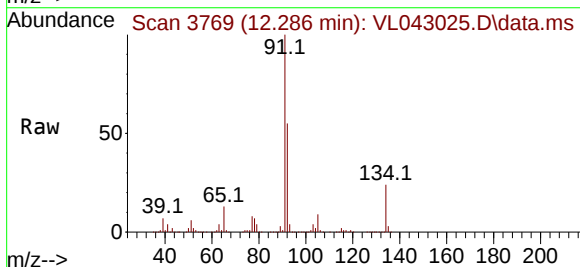
Instrument :
 MSVOA_L
 ClientSampleId :

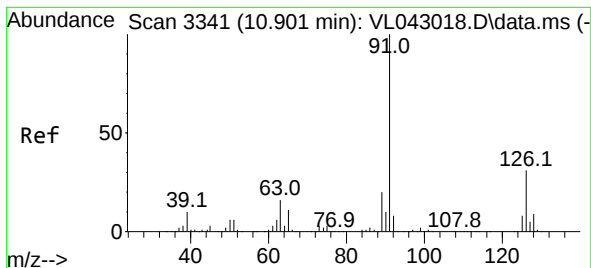
Tgt Ion:	119	Resp:	890156
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	27.5	22.1	33.1



#70
 n-Butylbenzene
 Concen: 10.924 ppbv
 RT: 12.286 min Scan# 3769
 Delta R.T. 0.003 min
 Lab File: VL043025.D
 Acq: 30 Sep 2025 13:25

Tgt Ion:	91	Resp:	878430
Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	23.9	19.5	29.3

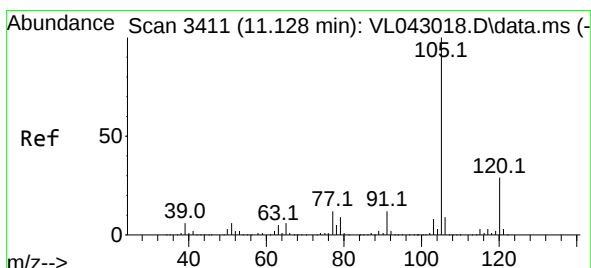
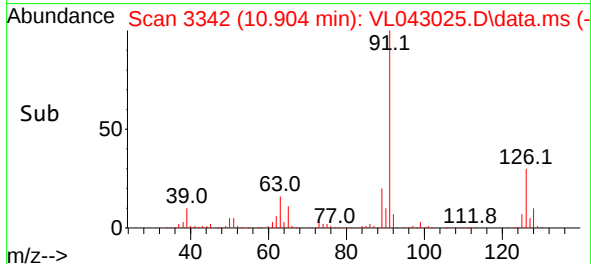
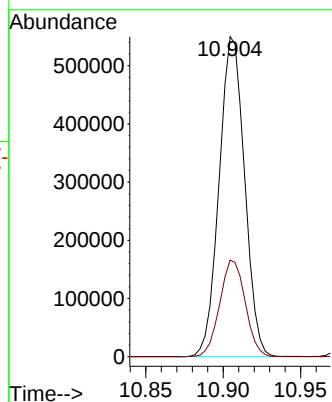
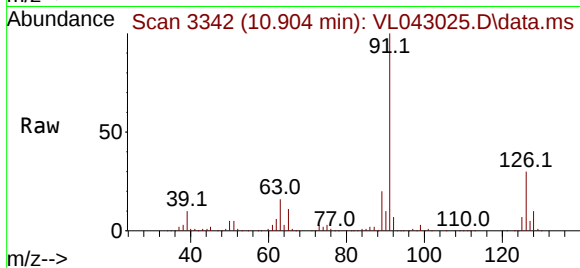




#71
2-Chlorotoluene
Concen: 10.622 ppbv
RT: 10.904 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

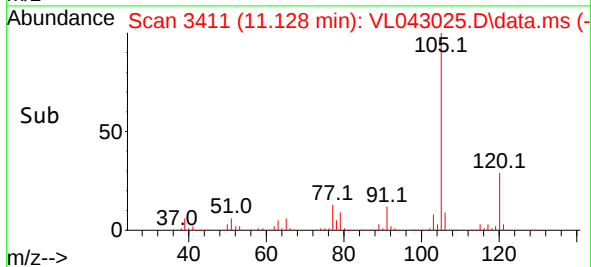
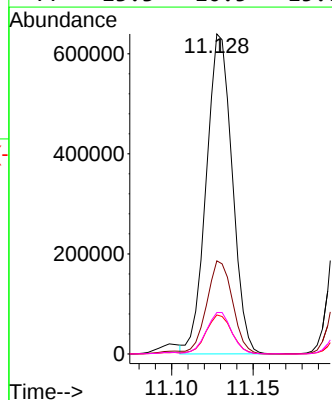
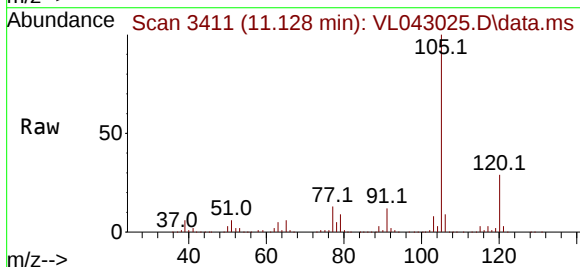
Instrument :
MSVOA_L
ClientSampleId :

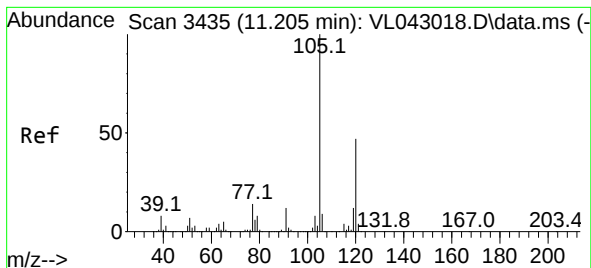
Tgt Ion: 91 Resp: 627009
Ion Ratio Lower Upper
91 100
126 30.3 12.3 49.3



#72
4-Ethyltoluene
Concen: 10.799 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043025.D
Acq: 30 Sep 2025 13:25

Tgt Ion: 105 Resp: 706144
Ion Ratio Lower Upper
105 100
120 29.9 23.6 35.4
91 12.7 10.0 15.0
77 13.3 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 10.646 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

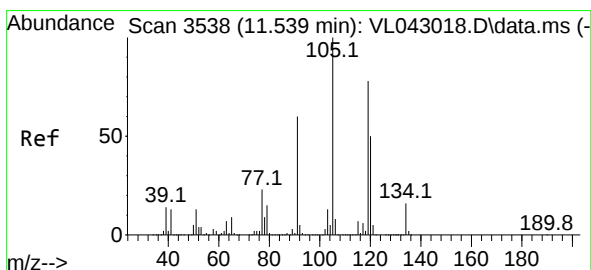
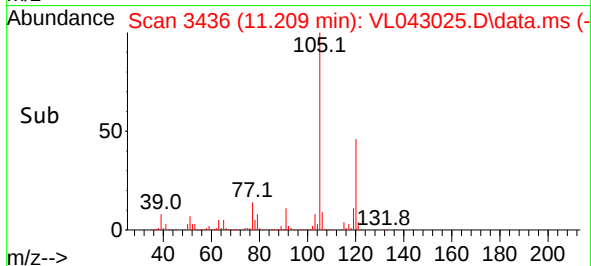
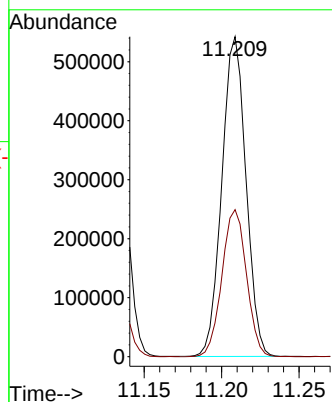
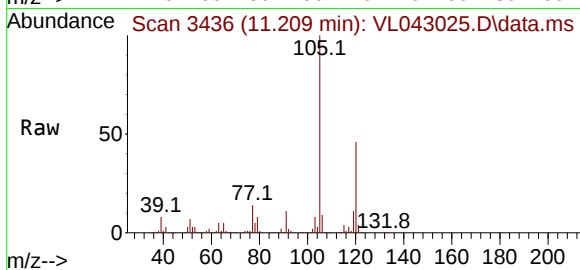
ClientSampleId :

Tgt Ion:105 Resp: 586992

Ion Ratio Lower Upper

105 100

120 46.0 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 10.445 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Tgt Ion:105 Resp: 650046

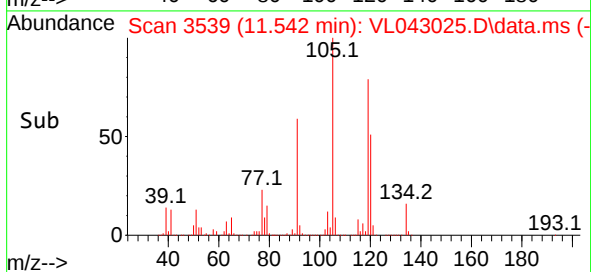
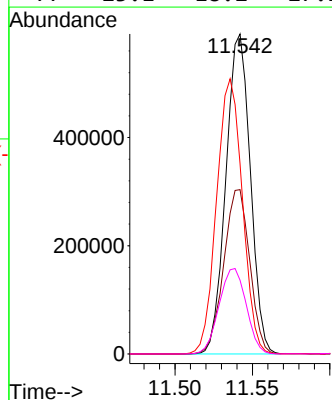
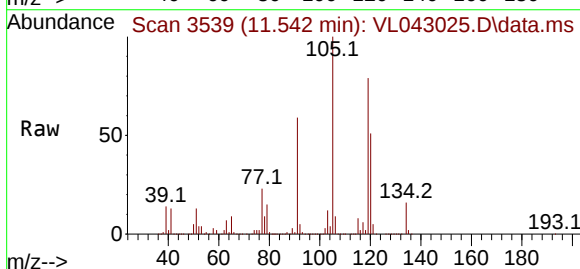
Ion Ratio Lower Upper

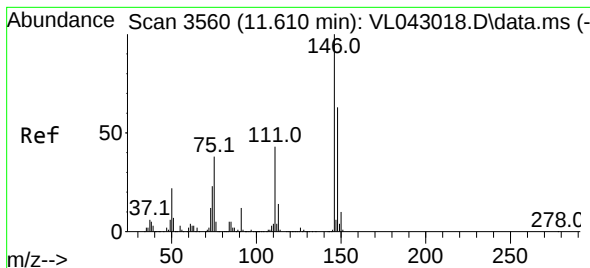
105 100

120 51.3 40.3 60.5

91 59.4 47.7 71.5

77 23.1 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 10.187 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

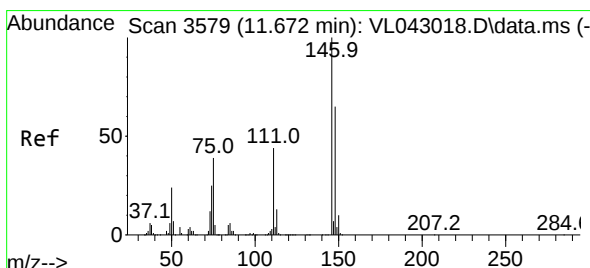
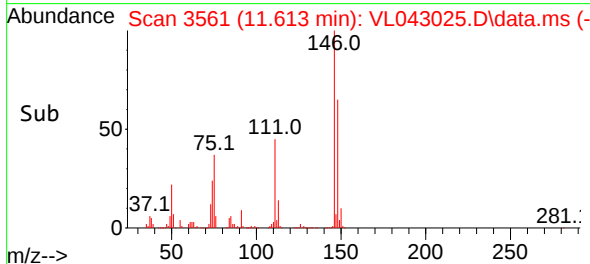
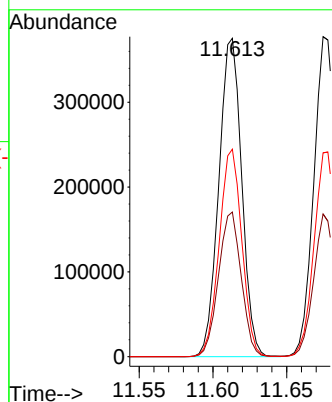
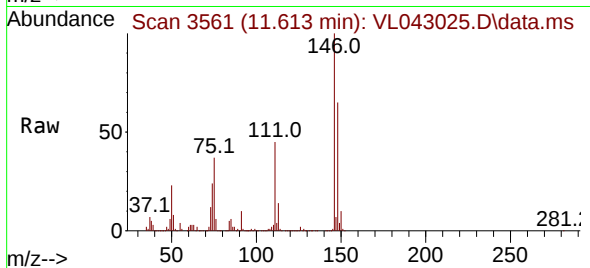
Tgt Ion:146 Resp: 405004

Ion Ratio Lower Upper

146 100

111 45.2 22.0 66.0

148 64.6 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 10.375 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

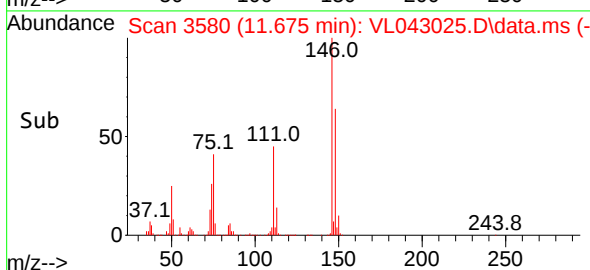
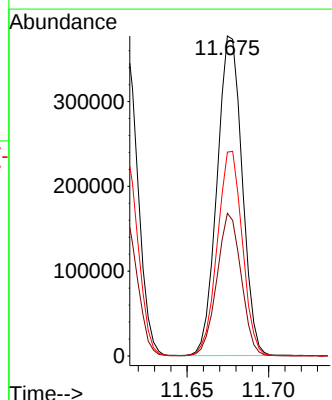
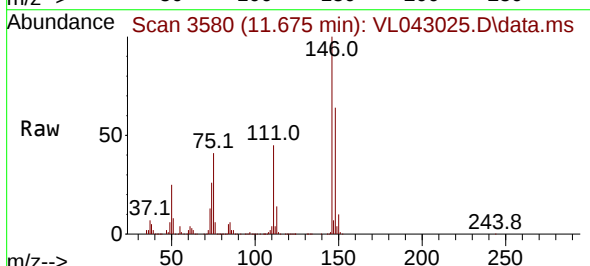
Tgt Ion:146 Resp: 403123

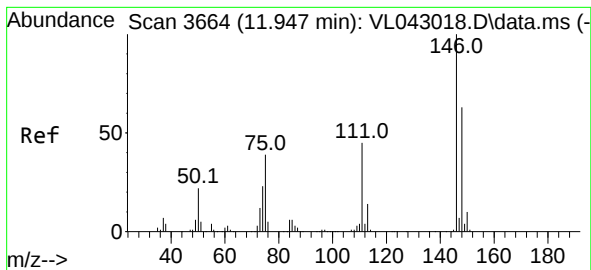
Ion Ratio Lower Upper

146 100

111 43.4 21.9 65.5

148 64.2 32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 10.039 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

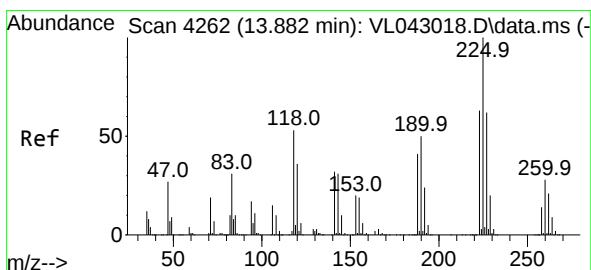
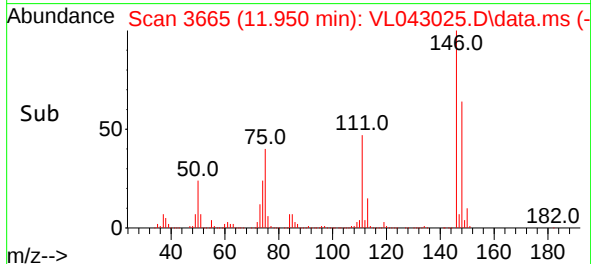
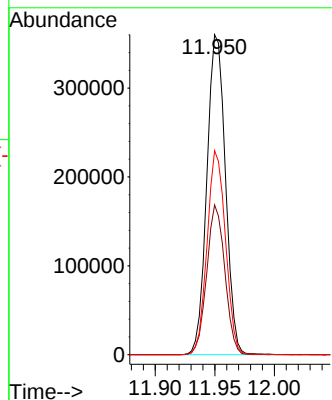
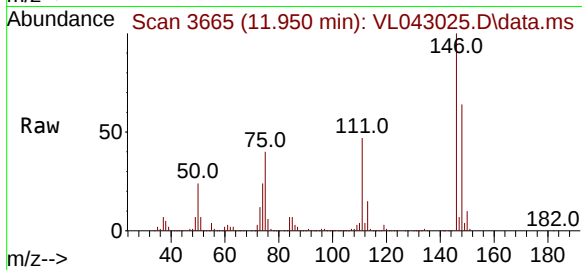
Tgt Ion:146 Resp: 389742

Ion Ratio Lower Upper

146 100

111 45.8 22.9 68.5

148 63.2 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 9.127 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

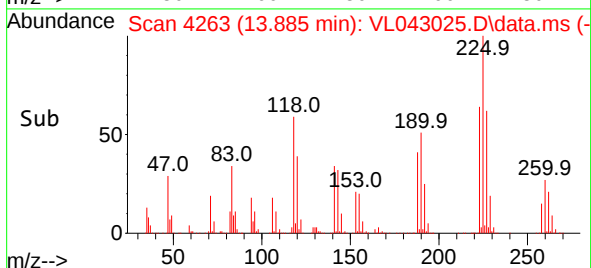
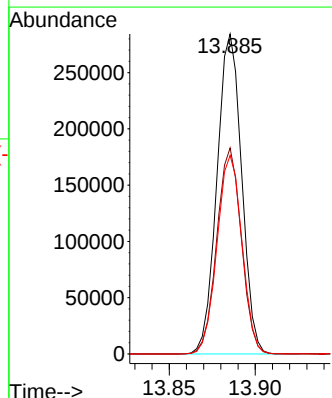
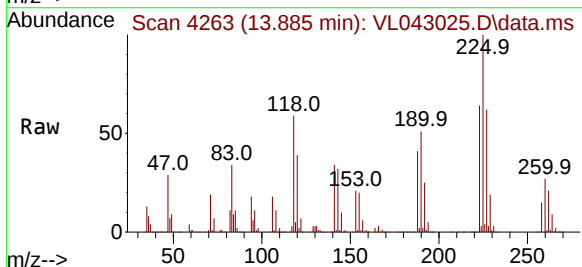
Tgt Ion:225 Resp: 283380

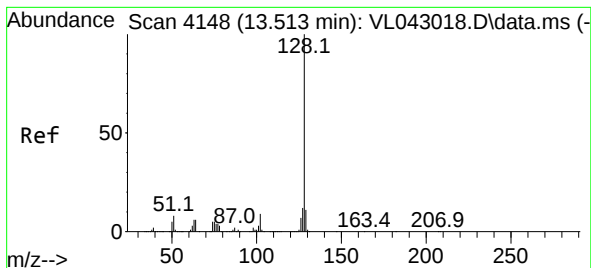
Ion Ratio Lower Upper

225 100

223 64.0 50.9 76.3

227 62.8 50.3 75.5





#79

Naphthalene

Concen: 12.089 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

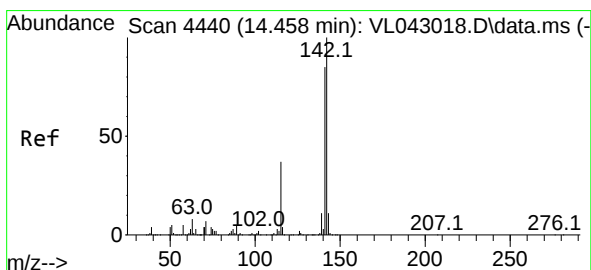
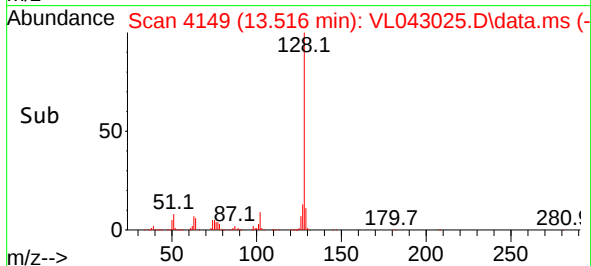
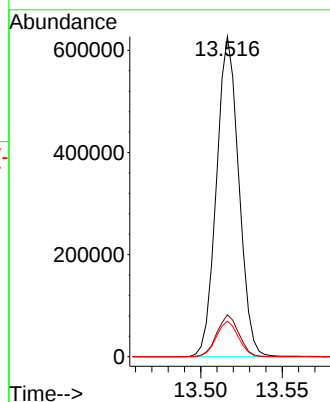
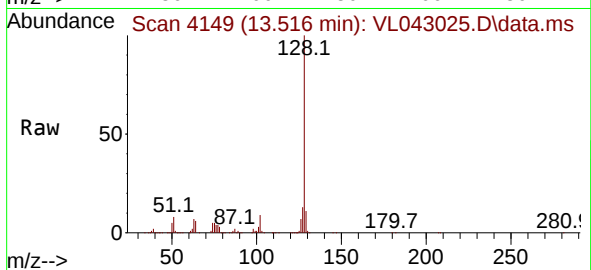
Tgt Ion:128 Resp: 596815

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

129 11.1 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 12.068 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

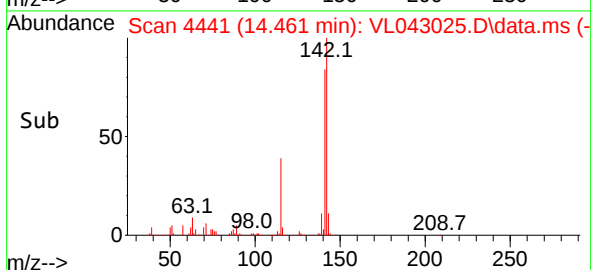
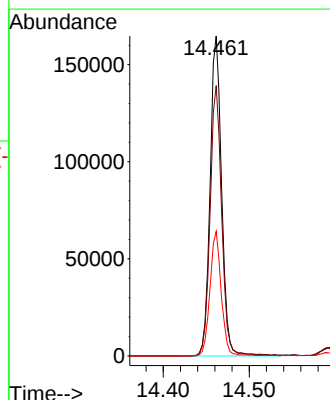
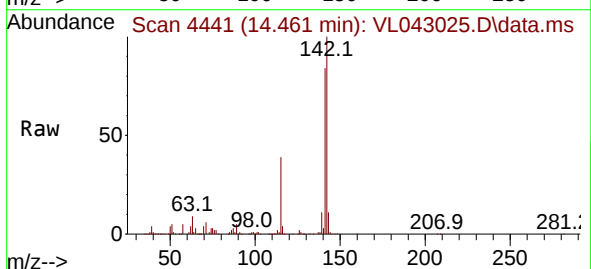
Tgt Ion:142 Resp: 153586

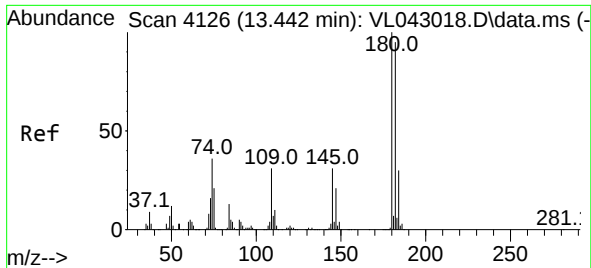
Ion Ratio Lower Upper

142 100

141 84.9 67.0 100.4

115 38.4 29.8 44.6





#81

1,2,4-Trichlorobenzene

Concen: 10.900 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.003 min

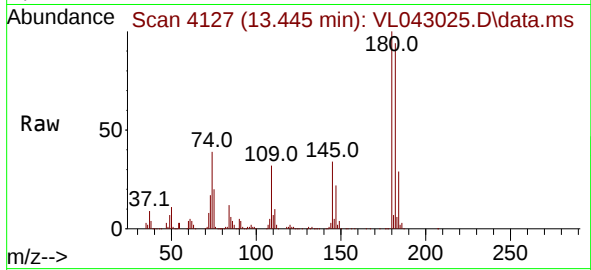
Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 324543

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.8

184 30.3 24.2 36.4

