

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042098.D
 Acq On : 05 Mar 2025 11:37
 Operator : SY/MD
 Sample : Q1483-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

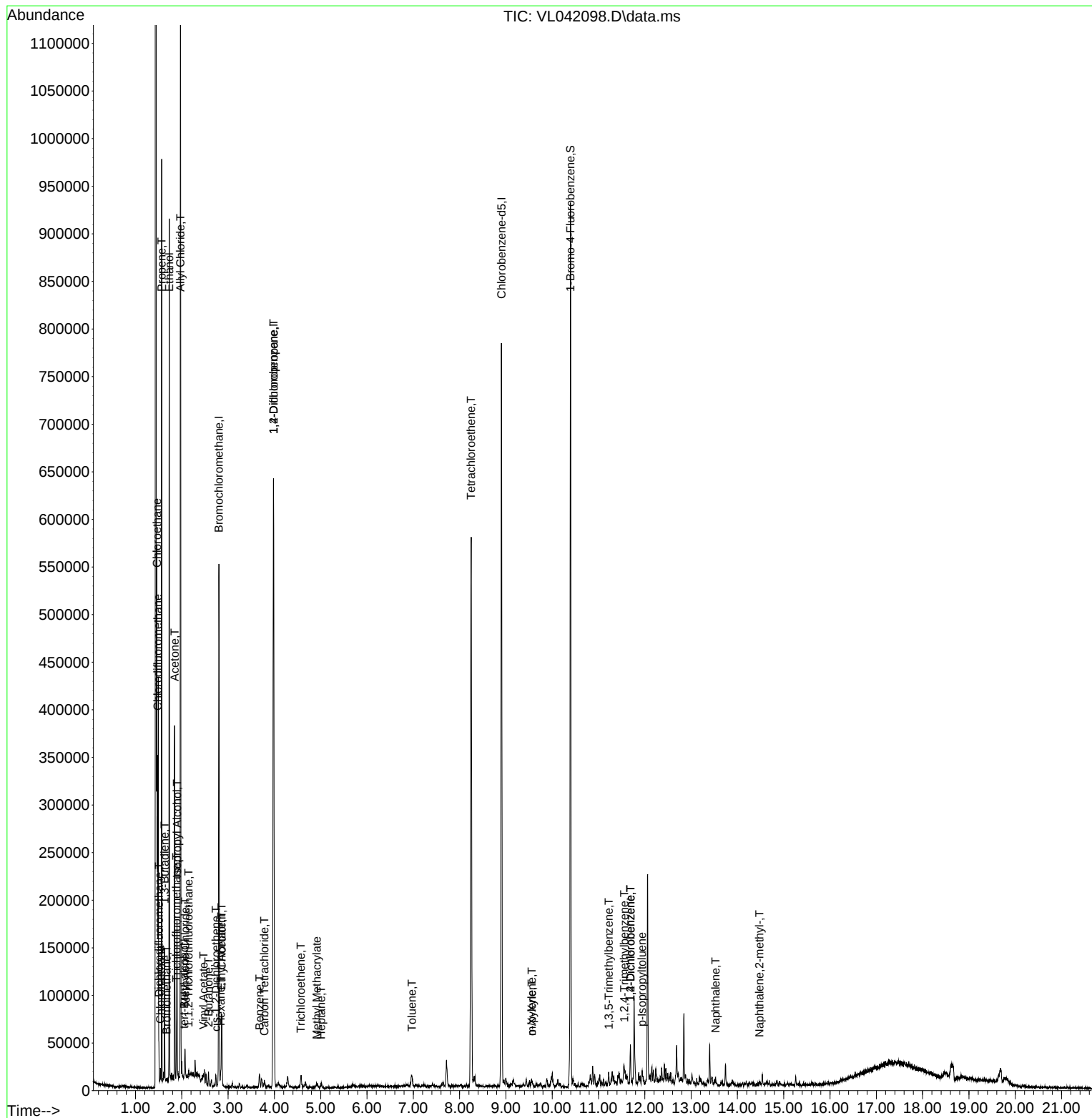
Quant Time: Mar 06 01:05:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

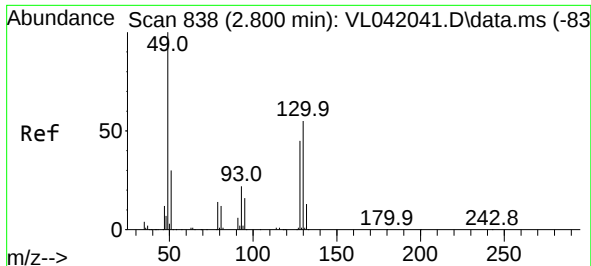
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	164488	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	384682	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	315662	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	236783	9.750	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	10655	0.623	ppbv	96
3) Chlorodifluoromethane	1.482	51	161899	6.772	ppbv #	89
4) Chloromethane	1.538	50	4062	0.642	ppbv	100
6) Bromomethane	1.673	94	91	0.032	ppbv #	33
7) Chloroethane	1.463	64	59302	24.394	ppbv #	39
9) Propene	1.567	41	104252	10.704	ppbv	99
10) Heptane	5.007	43	1362	0.045	ppbv	88
11) Trichlorofluoromethane	1.884	101	14547	0.849	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	740	0.054	ppbv #	41
13) Ethanol	1.728	45	303330	490.628	ppbv	93
15) Acetone	1.845	43	161545	11.121	ppbv	97
16) 1,3-Butadiene	1.628	39	6970	1.031	ppbv #	22
17) tert-Butyl alcohol	2.055	59	2111	0.116	ppbv #	70
19) Isopropyl Alcohol	1.897	45	70629	8.465	ppbv #	73
20) Methylene Chloride	2.072	84	3119	0.568	ppbv	93
21) Allyl Chloride	1.971	41	172619	16.447	ppbv #	51
23) Vinyl Acetate	2.466	43	4419	0.433	ppbv #	62
25) Ethyl Acetate	2.855	43	17224	0.296	ppbv #	86
26) Hexane	2.842	57	2426	0.103	ppbv #	1
29) Chloroform	2.861	83	23443	0.741	ppbv	93
31) cis-1,2-Dichloroethene	2.738	61	2273	0.102	ppbv #	74
34) 2-Butanone	2.576	43	8675	0.289	ppbv	92
35) Carbon Tetrachloride	3.784	117	1848	0.070	ppbv #	64
36) Benzene	3.677	78	8514	0.211	ppbv #	89
38) Trichloroethene	4.573	130	2124	0.129	ppbv #	61
39) 1,2-Dichloropropane	3.981	63	101208	6.621	ppbv #	24
43) Methyl Methacrylate	4.917	69	902	0.057	ppbv #	1
52) Tetrachloroethene	8.247	164	104028	7.546	ppbv	97
53) Toluene	6.969	91	3030	0.067	ppbv #	1
59) m/p-Xylene	9.558	91	4431	0.096	ppbv #	100
60) o-Xylene	9.558	91	4431	0.095	ppbv	84
69) p-Isopropyltoluene	11.940	119	4340	0.060	ppbv #	91
73) 1,3,5-Trimethylbenzene	11.222	105	1498	0.030	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.555	105	4400	0.079	ppbv #	70
76) 1,4-Dichlorobenzene	11.691	146	9825	0.310	ppbv	88
77) 1,2-Dichlorobenzene	11.691	146	9825	0.317	ppbv	90
79) Naphthalene	13.529	128	2569	0.068	ppbv #	90
80) Naphthalene,2-methyl-	14.478	142	1071	0.103	ppbv #	78

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

Quant Time: Mar 06 01:05:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

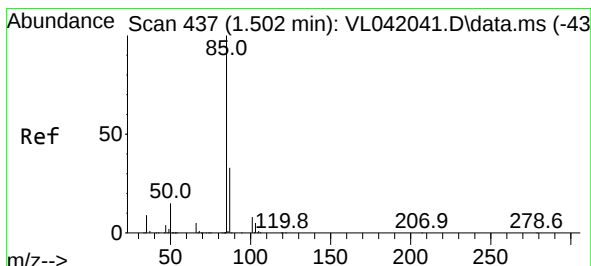
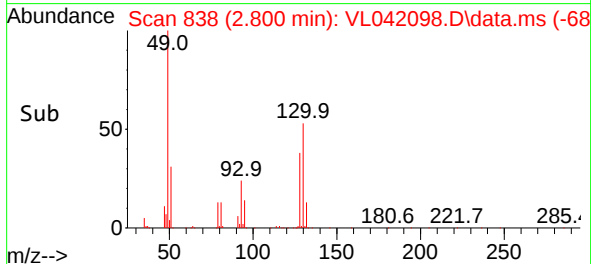
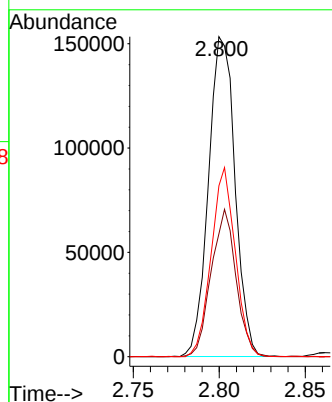
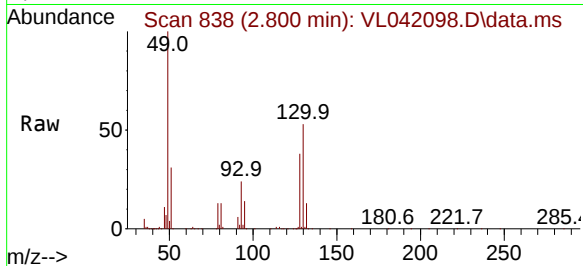




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

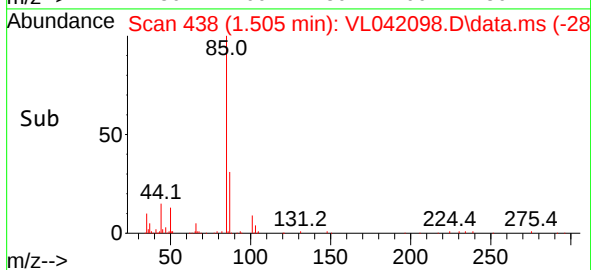
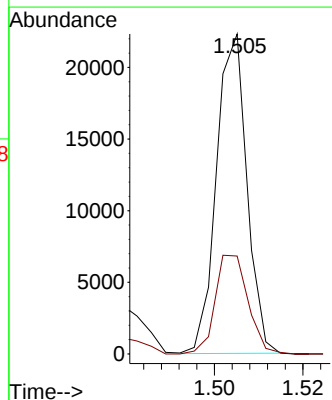
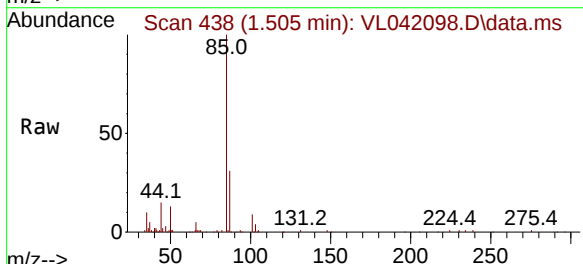
Instrument :
MSVOA_L
ClientSampleId :
IA1

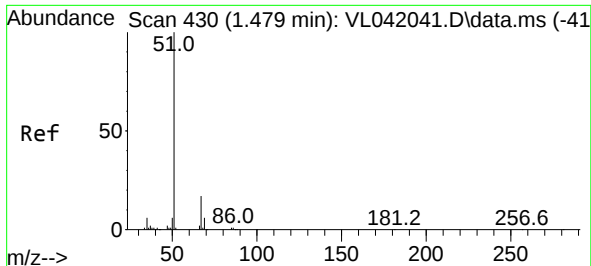
Tgt Ion: 49 Resp: 164488
Ion Ratio Lower Upper
49 100
128 43.1 21.6 64.8
130 53.9 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.623 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 85 Resp: 10655
Ion Ratio Lower Upper
85 100
87 30.7 26.4 39.6

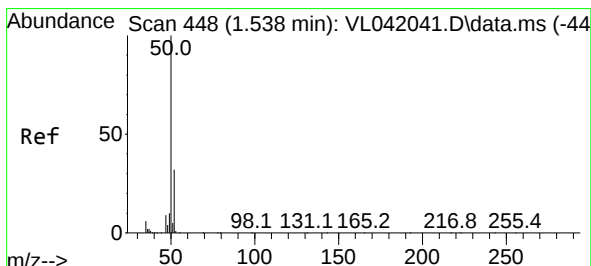
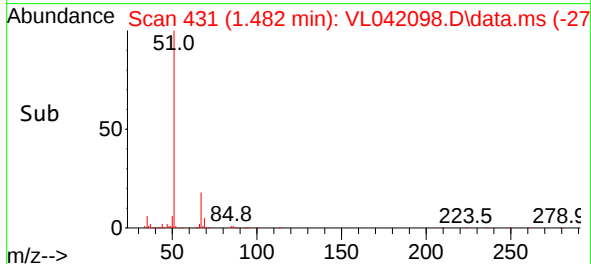
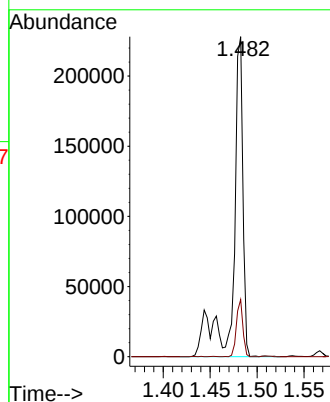
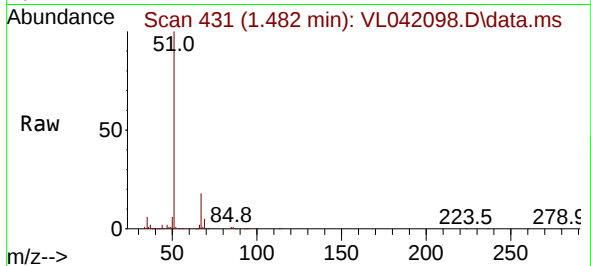




#3
Chlorodifluoromethane
Concen: 6.772 ppbv
RT: 1.482 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

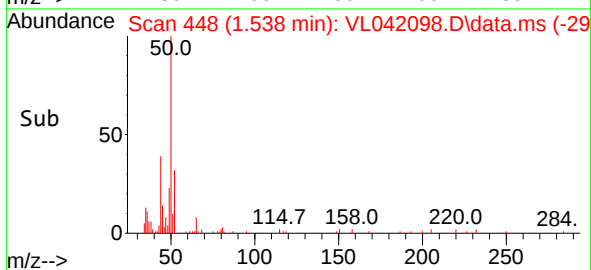
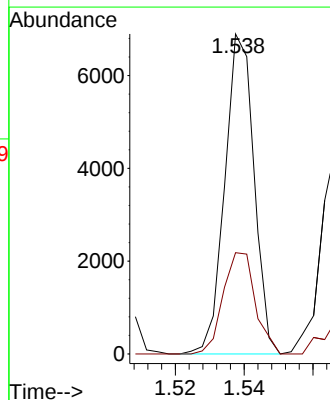
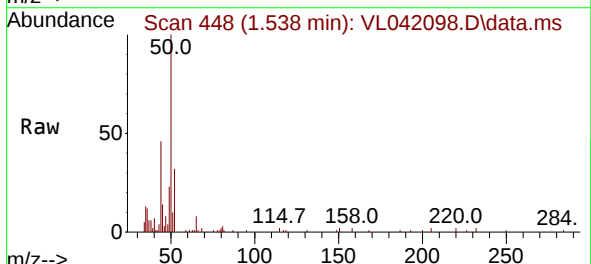
Instrument :
MSVOA_L
ClientSampleId :
IA1

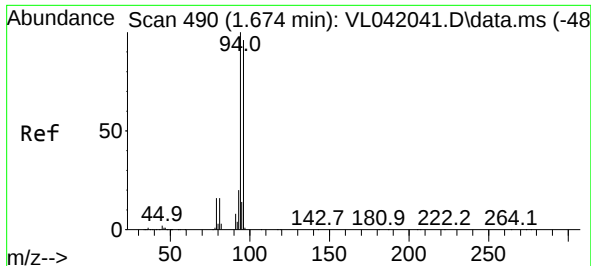
Tgt Ion: 51 Resp: 161899
Ion Ratio Lower Upper
51 100
67 12.2 13.7 20.5#



#4
Chloromethane
Concen: 0.642 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 50 Resp: 4062
Ion Ratio Lower Upper
50 100
52 31.6 25.4 38.0

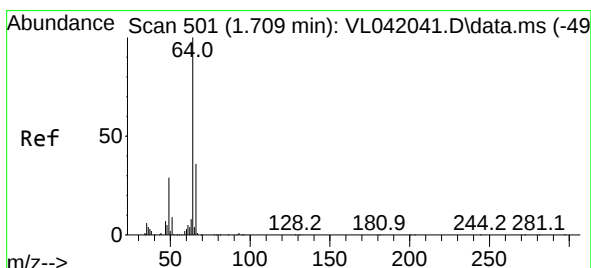
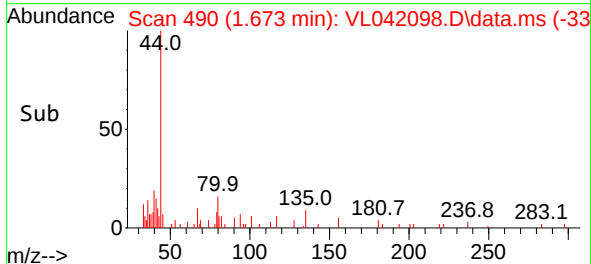
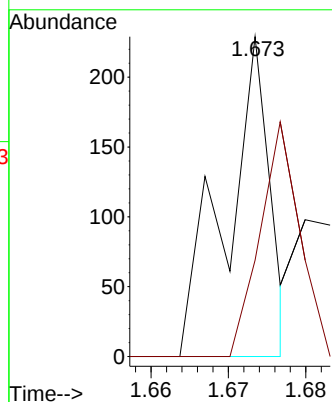
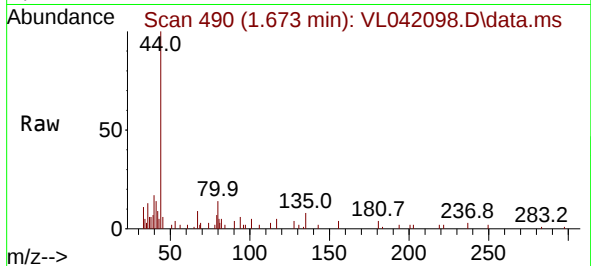




#6
Bromomethane
Concen: 0.032 ppbv
RT: 1.673 min Scan# 491
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

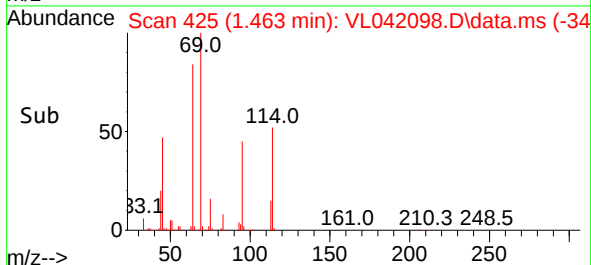
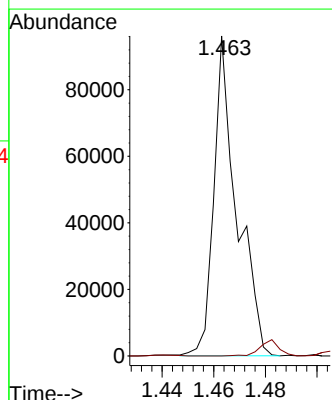
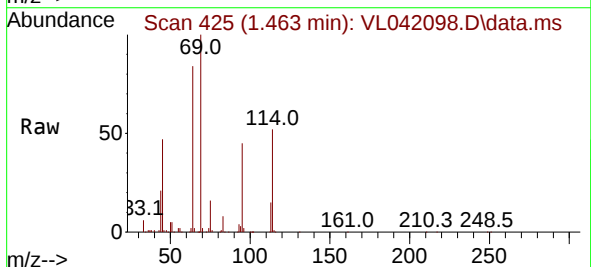
Instrument :
MSVOA_L
ClientSampleId :
IA1

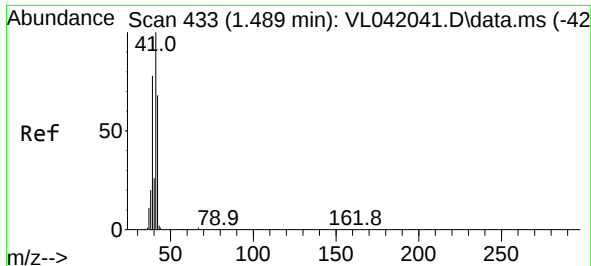
Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 30.1 76.5 114.7#



#7
Chloroethane
Concen: 24.394 ppbv
RT: 1.463 min Scan# 425
Delta R.T. -0.246 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 64 Resp: 59302
Ion Ratio Lower Upper
64 100
66 0.0 28.4 42.6#





#9

Propene

Concen: 10.704 ppbv

RT: 1.567 min Scan# 41

Delta R.T. 0.077 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

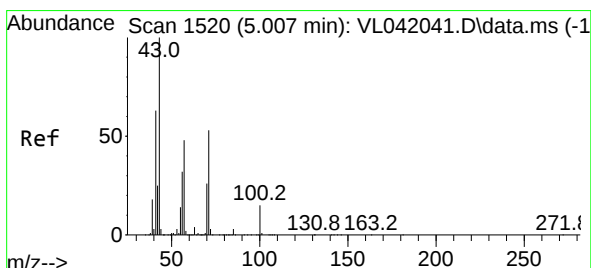
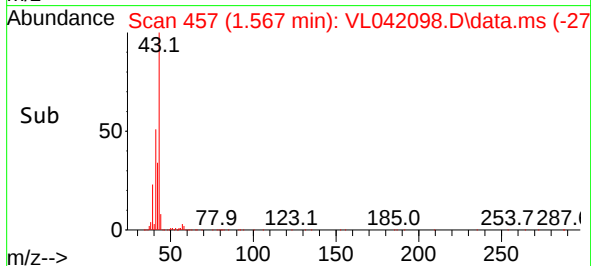
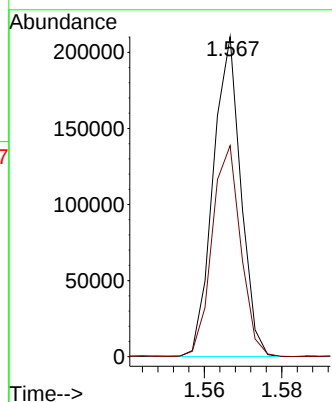
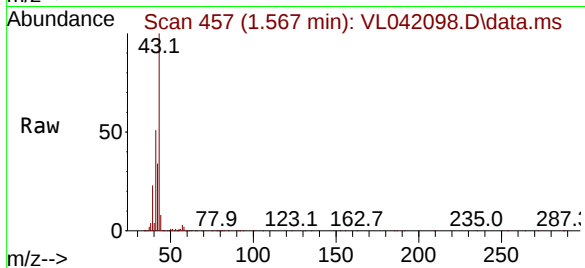
IA1

Tgt Ion: 41 Resp: 104252

Ion Ratio Lower Upper

41 100

42 68.6 55.8 83.6



#10

Heptane

Concen: 0.045 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. -0.000 min

Lab File: VL042098.D

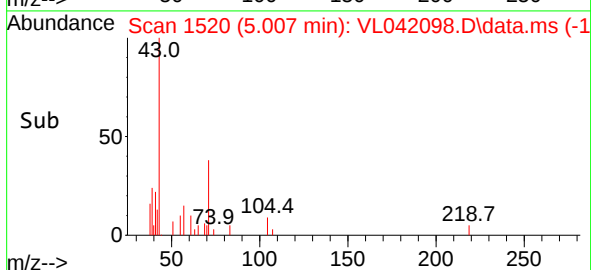
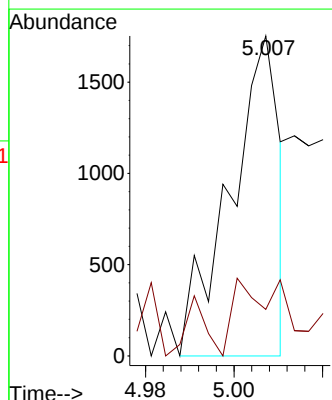
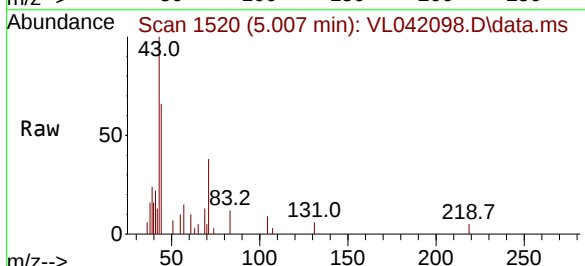
Acq: 05 Mar 2025 11:37

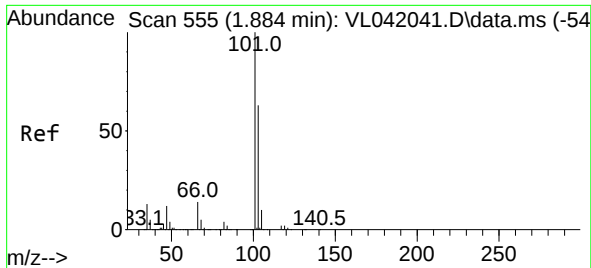
Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

57 57.3 39.4 59.0

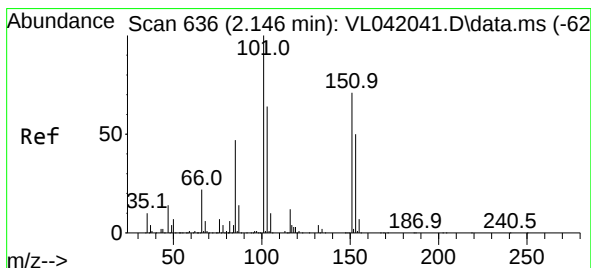
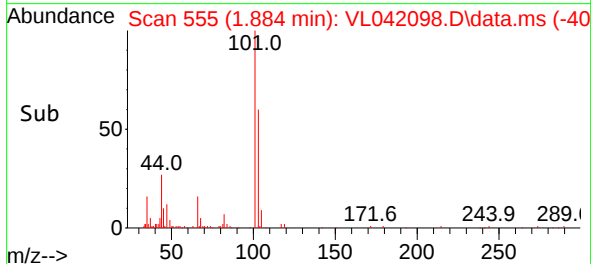
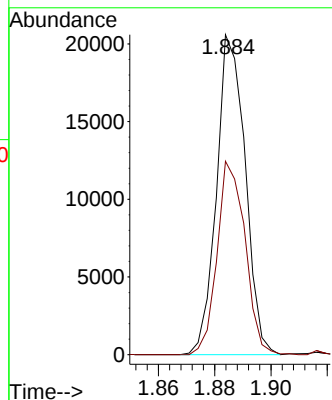
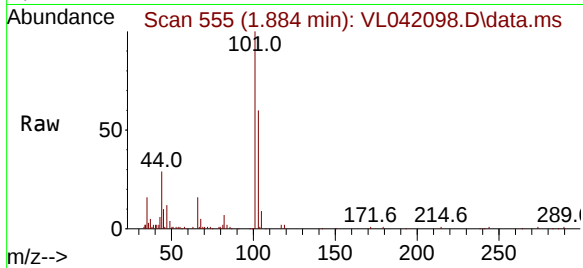




#11
 Trichlorofluoromethane
 Concen: 0.849 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042098.D
 Acq: 05 Mar 2025 11:37

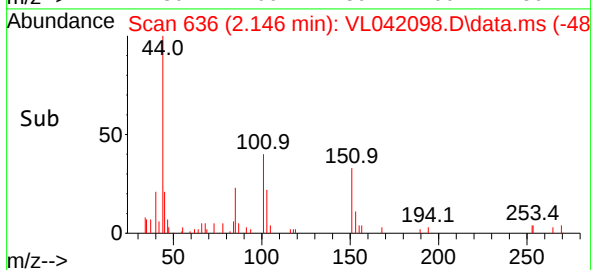
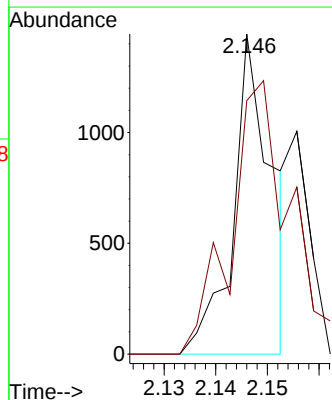
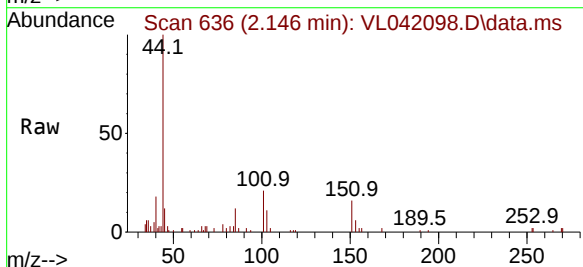
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

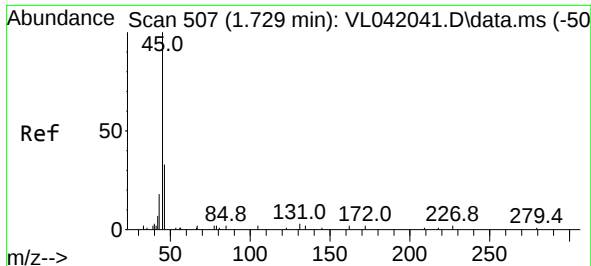
Tgt Ion:101 Resp: 14547
 Ion Ratio Lower Upper
 101 100
 103 60.5 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.054 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.000 min
 Lab File: VL042098.D
 Acq: 05 Mar 2025 11:37

Tgt Ion:101 Resp: 740
 Ion Ratio Lower Upper
 101 100
 151 129.6 62.6 94.0#

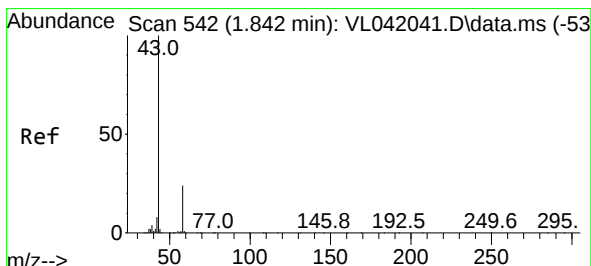
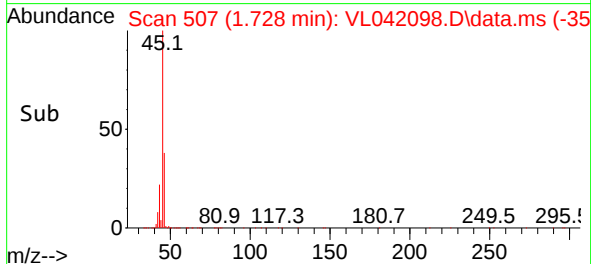
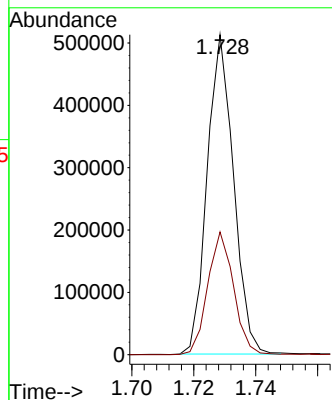
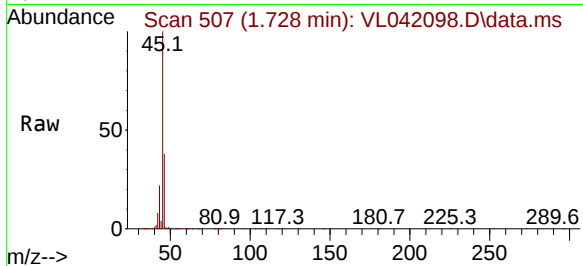




#13
Ethanol
Concen: 490.628 ppbv
RT: 1.728 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

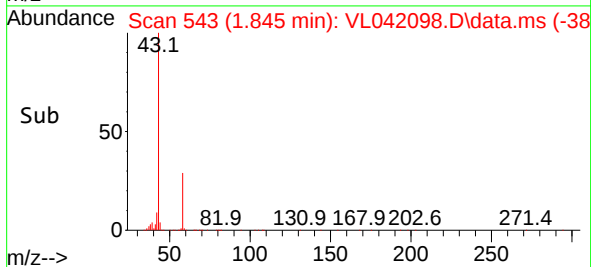
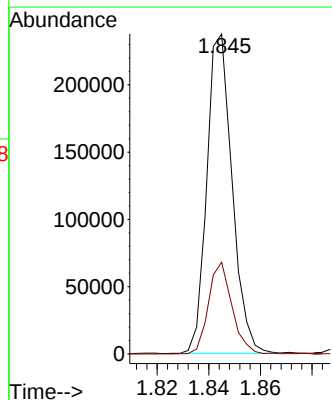
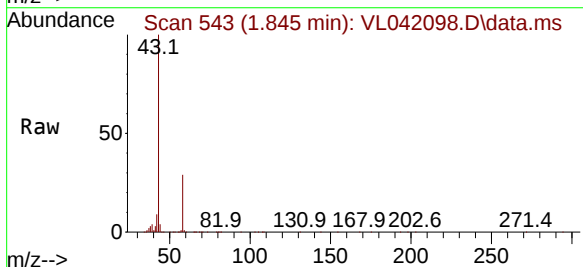
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MSVOA_L
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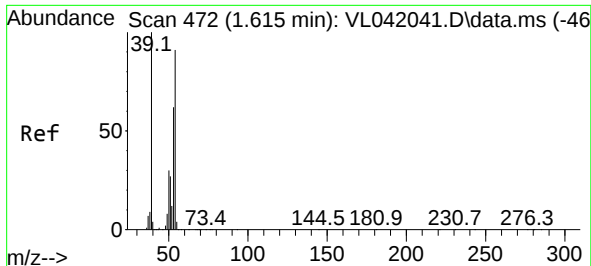
Tgt Ion: 45 Resp: 303330
Ion Ratio Lower Upper
45 100
46 38.0 17.1 68.3



#15
Acetone
Concen: 11.121 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 43 Resp: 161545
Ion Ratio Lower Upper
43 100
58 27.4 20.7 31.1

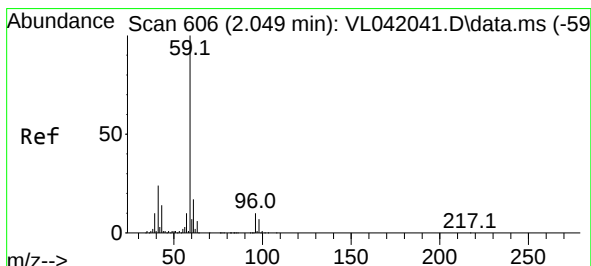
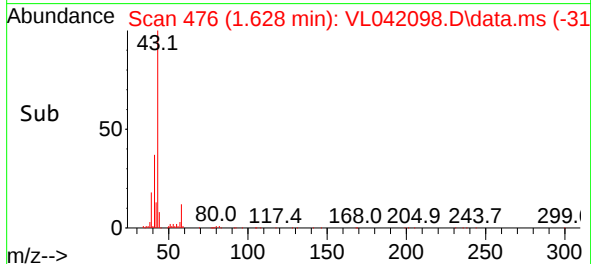
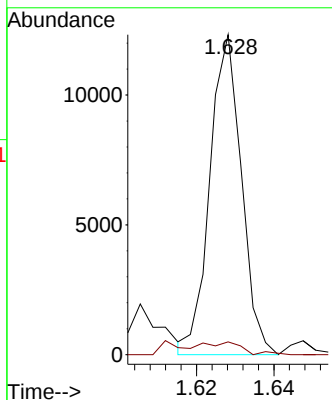
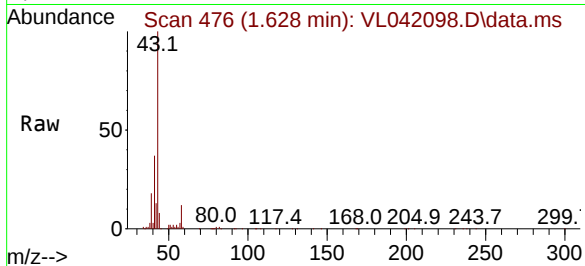




#16
1,3-Butadiene
Concen: 1.031 ppbv
RT: 1.628 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

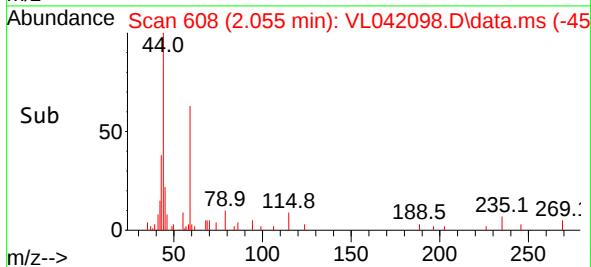
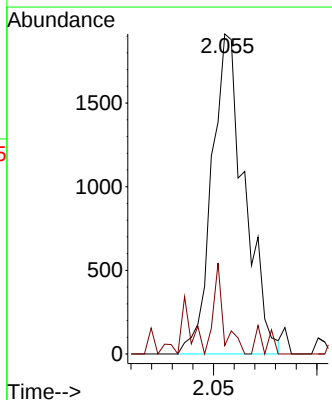
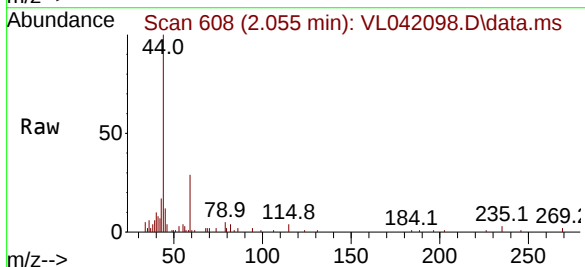
Instrument :
MSVOA_L
ClientSampleId :
IA1

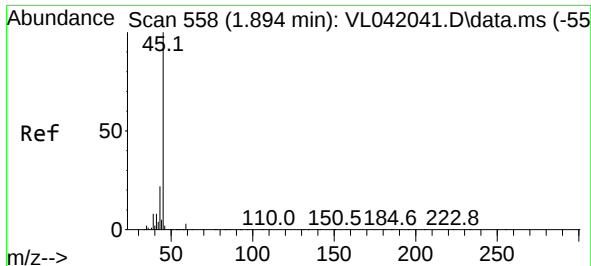
Tgt Ion: 39 Resp: 6970
Ion Ratio Lower Upper
39 100
54 8.7 59.6 89.4#



#17
tert-Butyl alcohol
Concen: 0.116 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.006 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 59 Resp: 2111
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

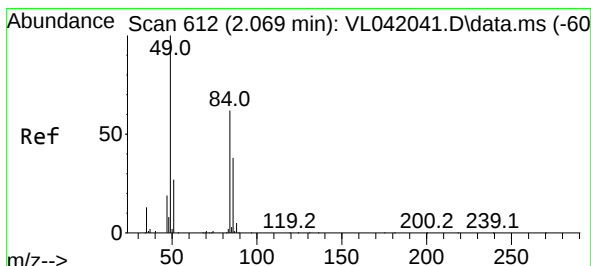
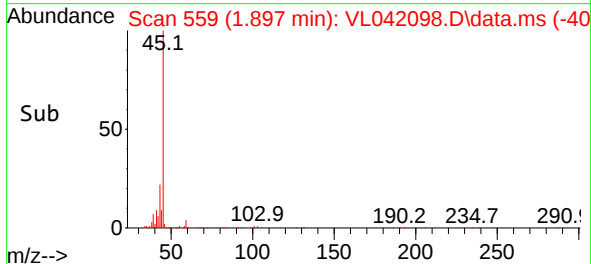
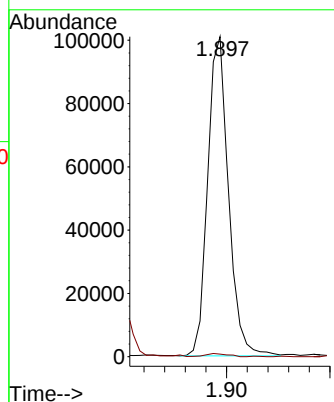
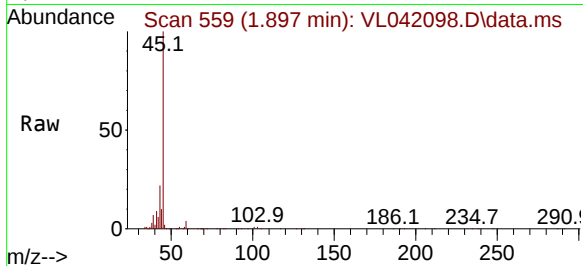




#19
Isopropyl Alcohol
Concen: 8.465 ppbv
RT: 1.897 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

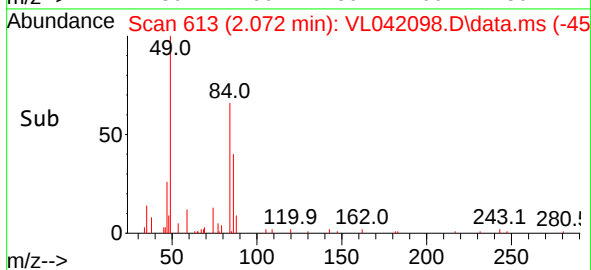
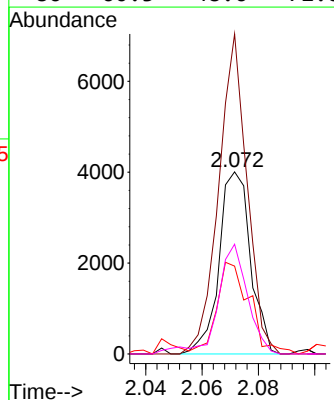
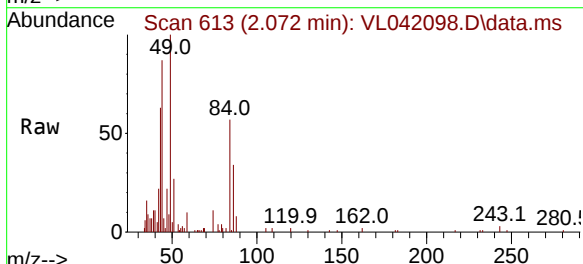
Instrument :
MSVOA_L
ClientSampleId :
IA1

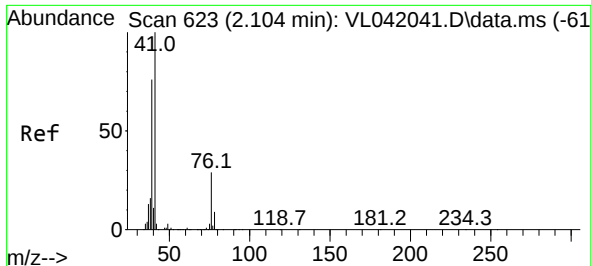
Tgt Ion: 45 Resp: 70629
Ion Ratio Lower Upper
45 100
58 61.4 35.3 52.9#



#20
Methylene Chloride
Concen: 0.568 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 84 Resp: 3119
Ion Ratio Lower Upper
84 100
49 175.8 130.0 195.0
51 45.2 37.4 56.0
86 60.3 48.6 72.8

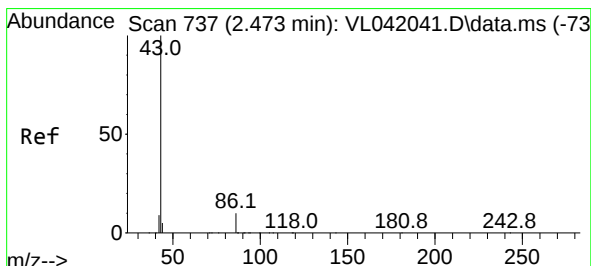
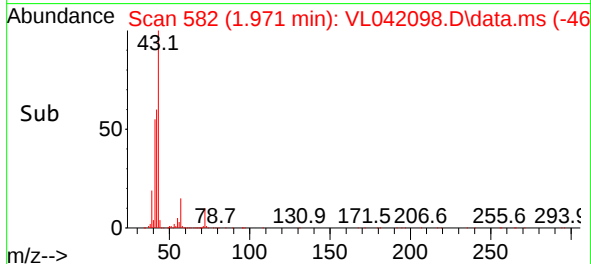
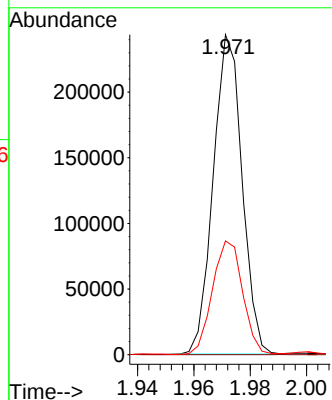
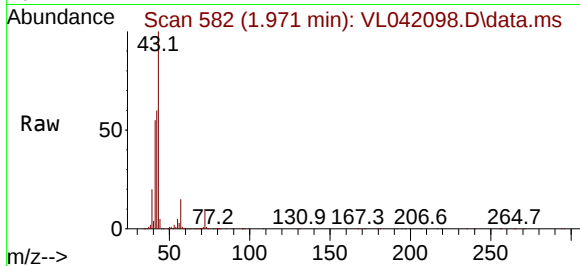




#21
 Allyl Chloride
 Concen: 16.447 ppbv
 RT: 1.971 min Scan# 51
 Delta R.T. -0.133 min
 Lab File: VL042098.D
 Acq: 05 Mar 2025 11:37

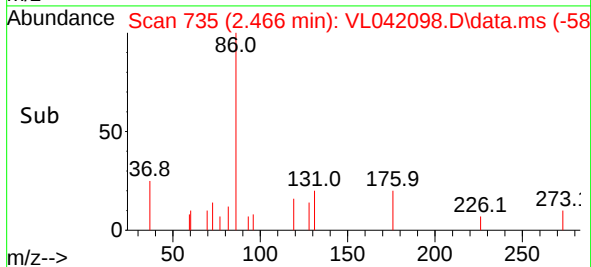
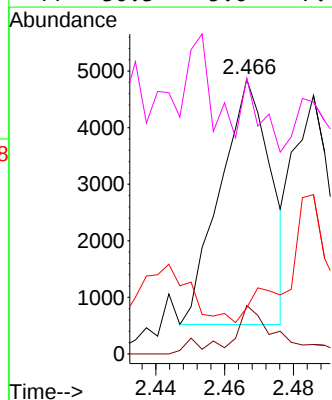
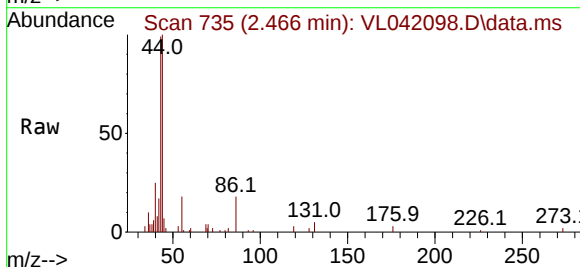
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

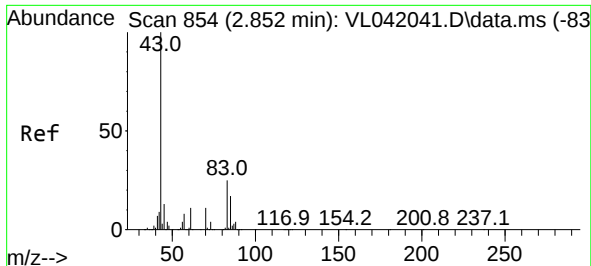
Tgt Ion: 41 Resp: 172619
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.8 35.6#
 39 38.4 63.8 95.6#



#23
 Vinyl Acetate
 Concen: 0.433 ppbv
 RT: 2.466 min Scan# 735
 Delta R.T. -0.007 min
 Lab File: VL042098.D
 Acq: 05 Mar 2025 11:37

Tgt Ion: 43 Resp: 4419
 Ion Ratio Lower Upper
 43 100
 86 18.3 7.0 10.4#
 42 0.0 7.6 11.4#
 44 30.3 5.0 7.4#

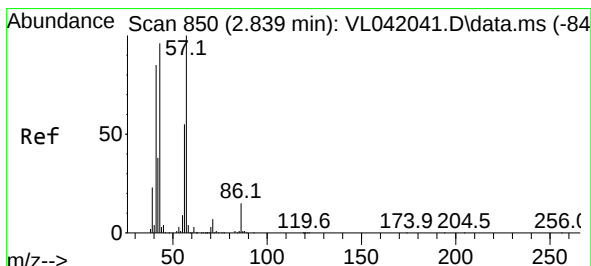
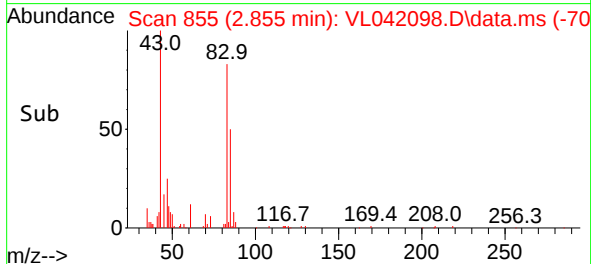
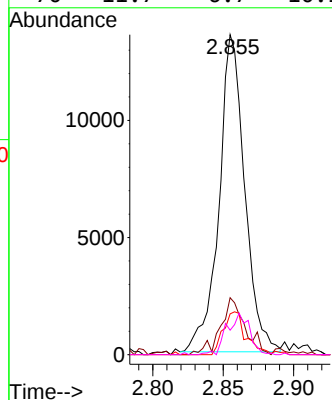
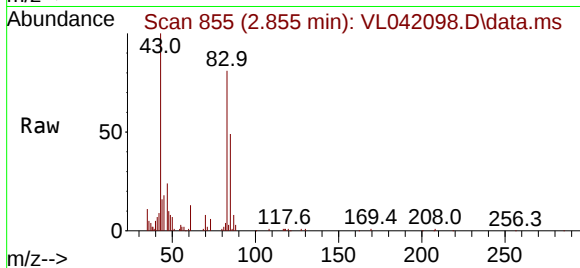




#25
Ethyl Acetate
Concen: 0.296 ppbv
RT: 2.855 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

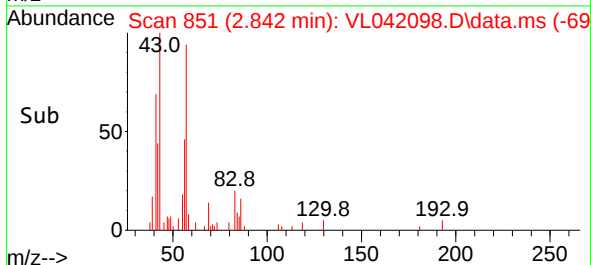
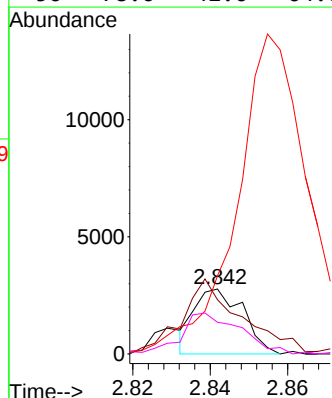
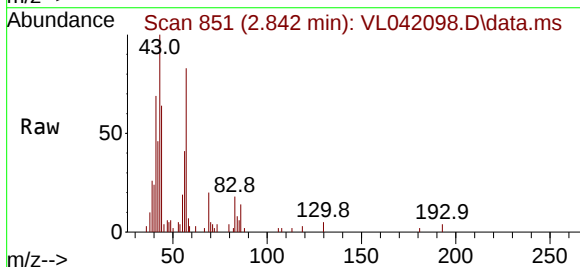
Instrument :
MSVOA_L
ClientSampleId :
IA1

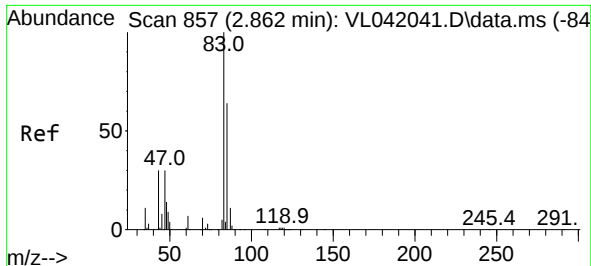
Tgt Ion: 43	Resp: 17224
Ion Ratio	Lower Upper
43 100	
45 18.5	8.1 12.1#
61 12.2	7.2 10.8#
70 11.7	6.7 10.1#



#26
Hexane
Concen: 0.103 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 57	Resp: 2426
Ion Ratio	Lower Upper
57 100	
41 161.0	70.6 106.0#
43 760.0	199.4 299.0#
56 78.6	42.6 64.0#





#29

Chloroform

Concen: 0.741 ppbv

RT: 2.861 min Scan# 819

Delta R.T. -0.000 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

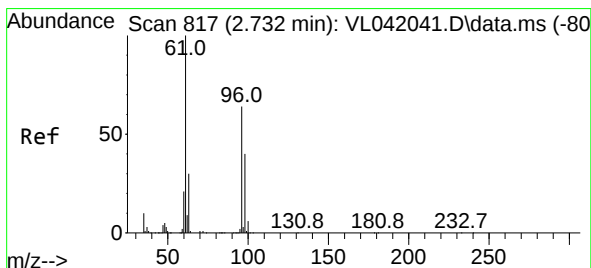
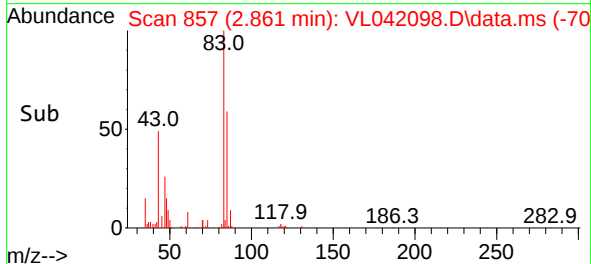
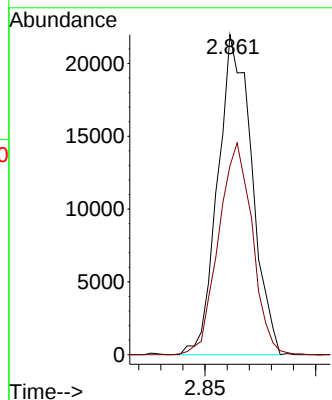
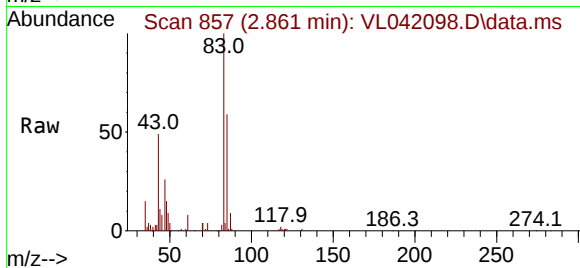
IA1

Tgt Ion: 83 Resp: 23443

Ion Ratio Lower Upper

83 100

85 58.7 51.2 76.8



#31

cis-1,2-Dichloroethene

Concen: 0.102 ppbv

RT: 2.738 min Scan# 819

Delta R.T. 0.006 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

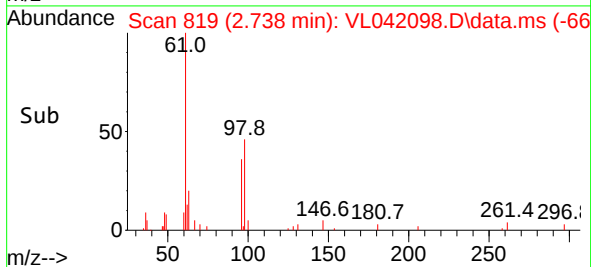
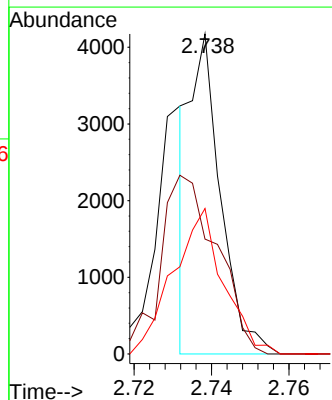
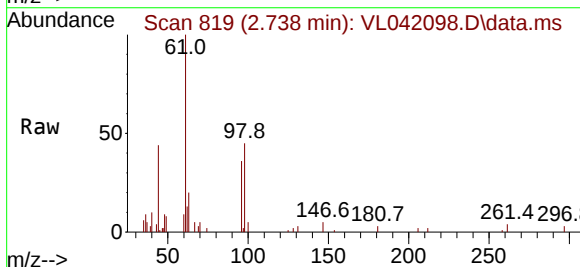
Tgt Ion: 61 Resp: 2273

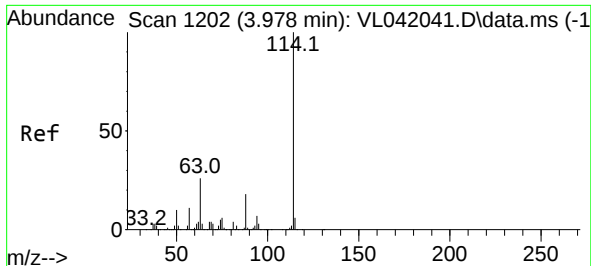
Ion Ratio Lower Upper

61 100

96 35.9 51.5 77.3#

98 45.5 32.0 48.0

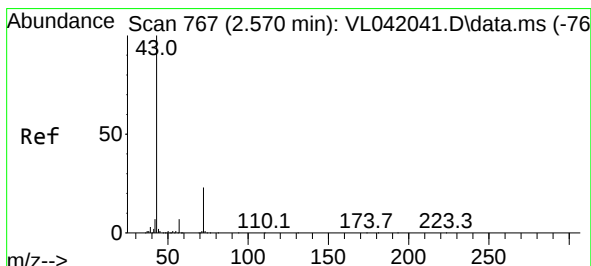
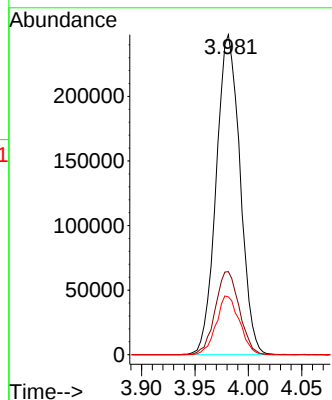
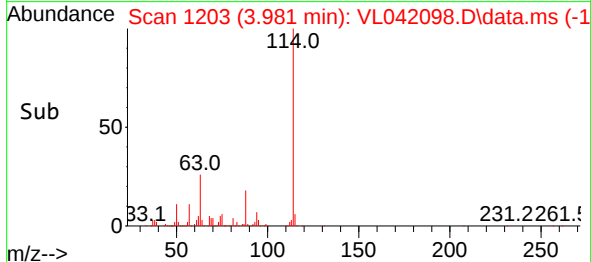
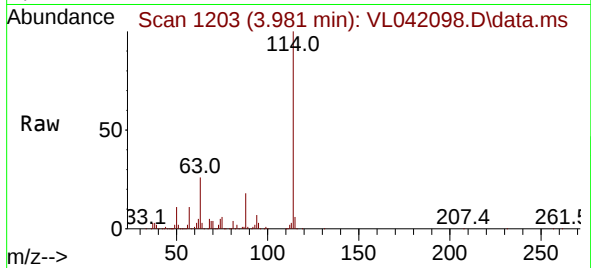




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

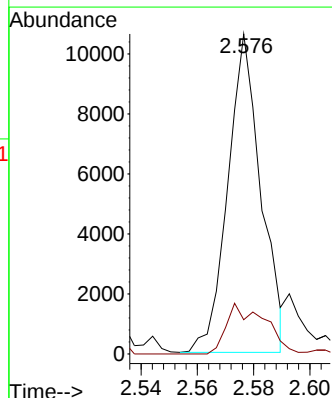
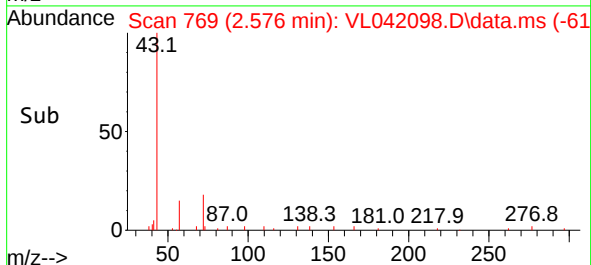
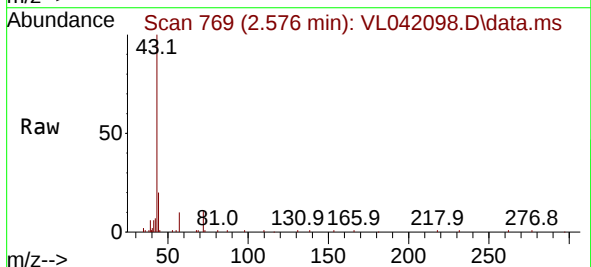
Instrument :
MSVOA_L
ClientSampleId :
IA1

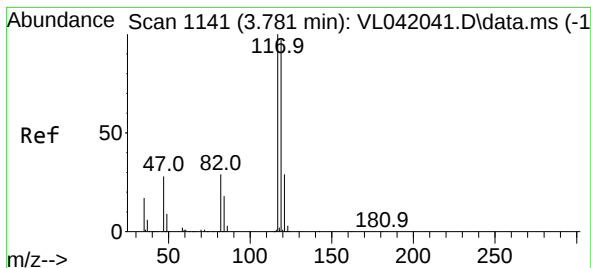
Tgt Ion:114 Resp: 384682
Ion Ratio Lower Upper
114 100
63 26.4 20.1 30.1
88 17.9 14.3 21.5



#34
2-Butanone
Concen: 0.289 ppbv
RT: 2.576 min Scan# 769
Delta R.T. 0.006 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 43 Resp: 8675
Ion Ratio Lower Upper
43 100
72 19.3 18.5 27.7





#35

Carbon Tetrachloride

Concen: 0.070 ppbv

RT: 3.784 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

IA1

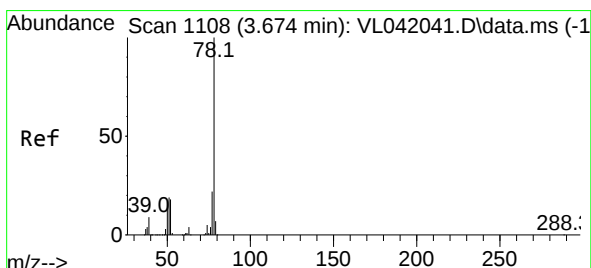
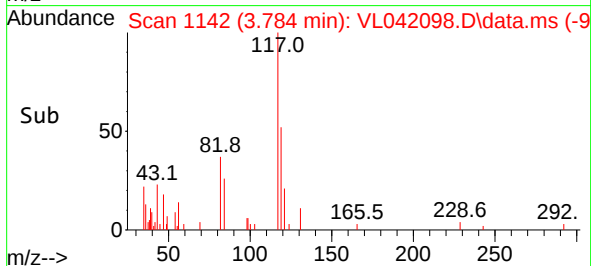
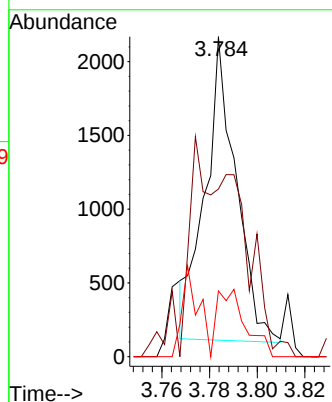
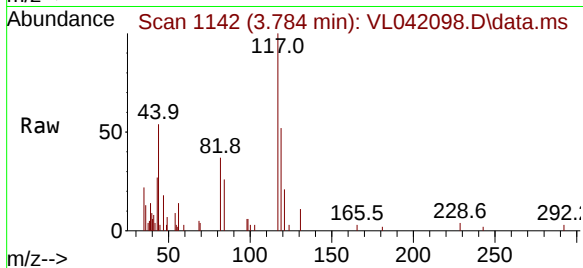
Tgt Ion:117 Resp: 1848

Ion Ratio Lower Upper

117 100

119 55.5 77.8 116.8#

121 21.8 23.4 35.0#



#36

Benzene

Concen: 0.211 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

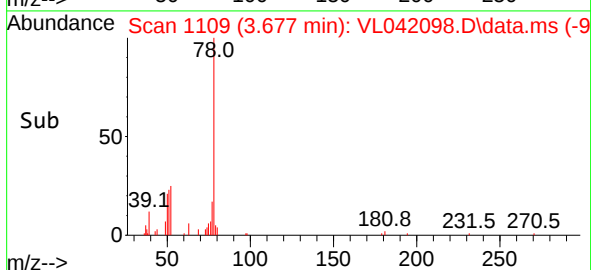
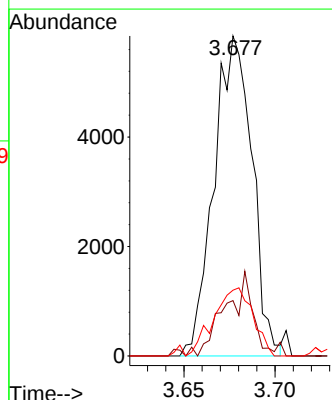
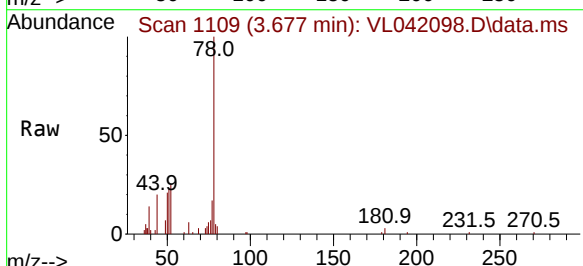
Tgt Ion: 78 Resp: 8514

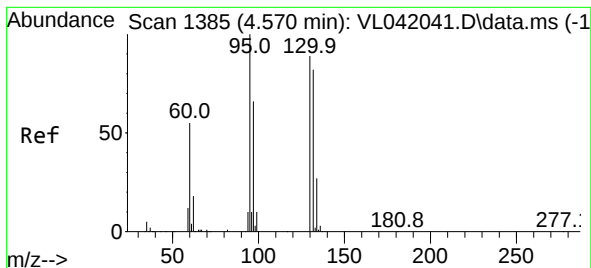
Ion Ratio Lower Upper

78 100

77 15.5 17.7 26.5#

50 20.6 13.9 20.9





#38

Trichloroethene

Concen: 0.129 ppbv

RT: 4.573 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:130 Resp: 2124

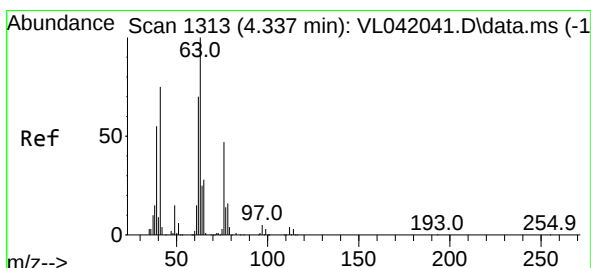
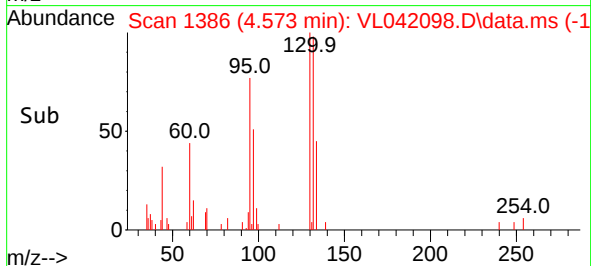
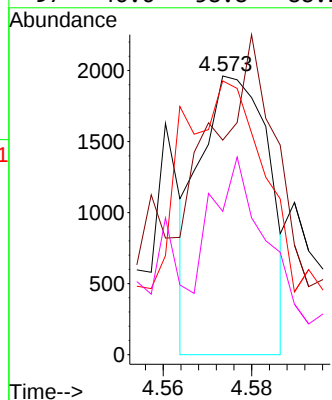
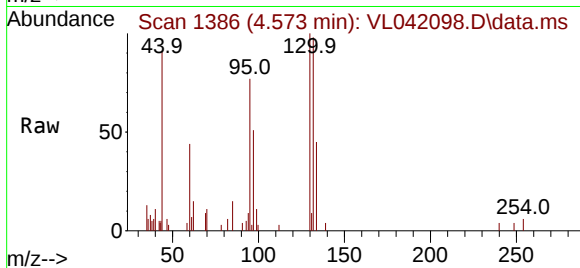
Ion Ratio Lower Upper

130 100

95 48.5 89.5 134.3#

132 74.6 73.8 110.6

97 46.6 58.8 88.2#



#39

1,2-Dichloropropane

Concen: 6.621 ppbv

RT: 3.981 min Scan# 1203

Delta R.T. -0.356 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

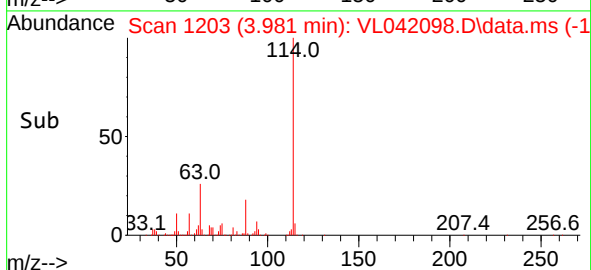
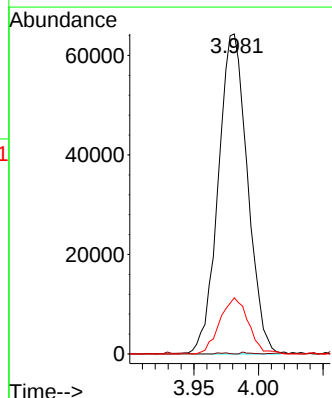
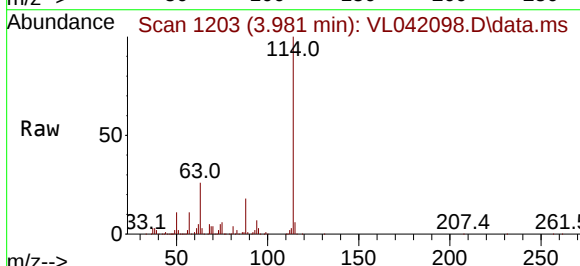
Tgt Ion: 63 Resp: 101208

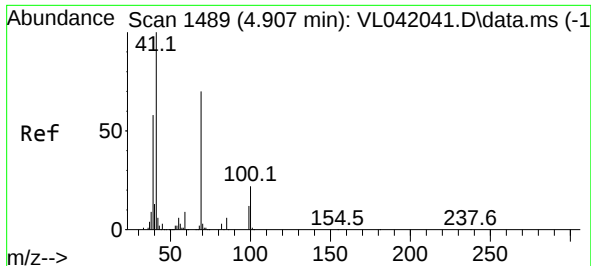
Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 17.6 55.8 83.8#

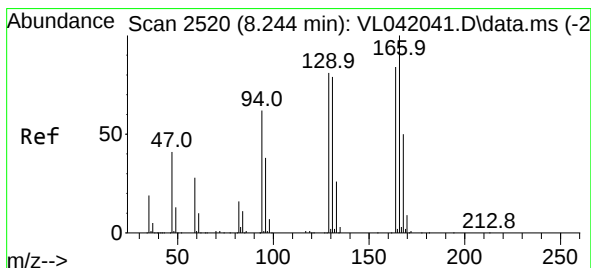
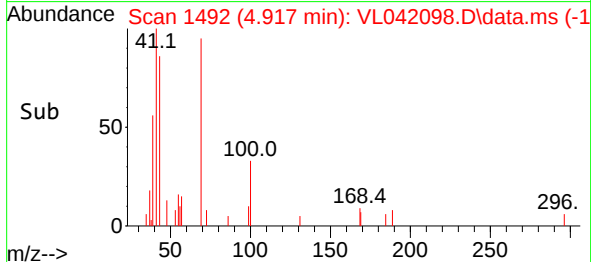
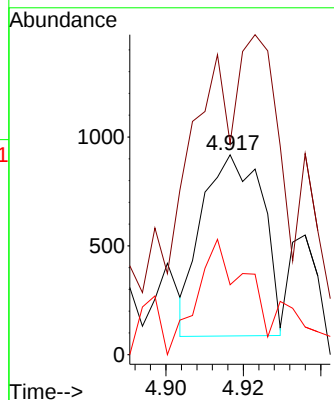
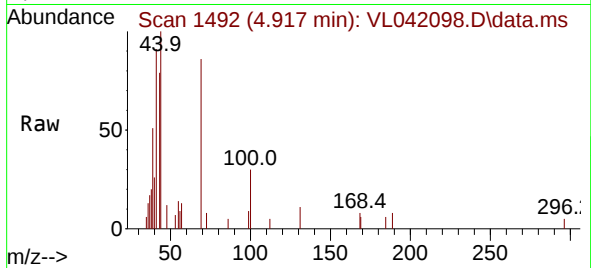




#43
Methyl Methacrylate
Concen: 0.057 ppbv
RT: 4.917 min Scan# 1489
Delta R.T. 0.009 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

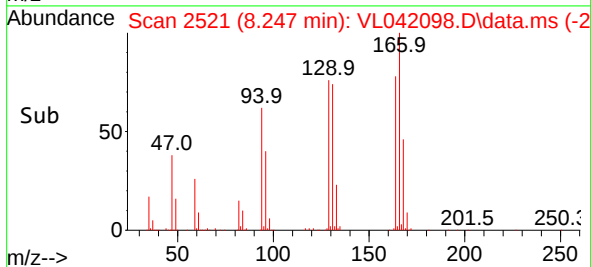
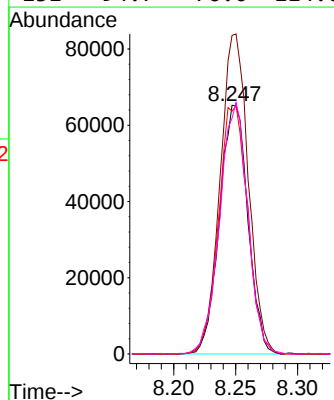
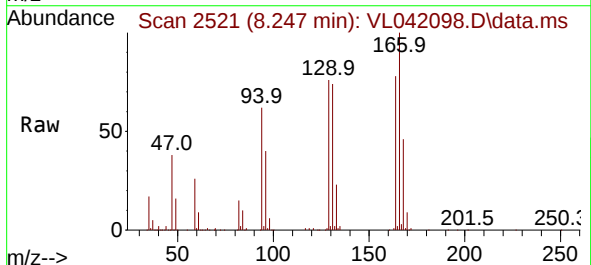
Instrument :
MSVOA_L
ClientSampleId :
IA1

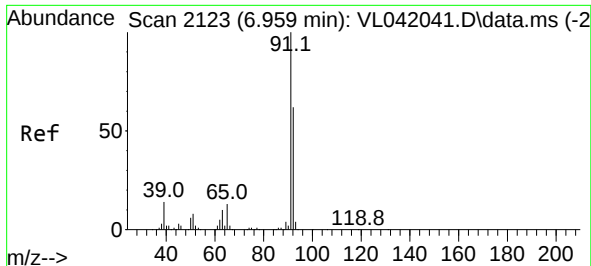
Tgt Ion: 69 Resp: 902
Ion Ratio Lower Upper
69 100
41 336.6 118.2 177.4#
100 91.2 27.0 40.4#



#52
Tetrachloroethene
Concen: 7.546 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion:164 Resp: 104028
Ion Ratio Lower Upper
164 100
166 128.1 95.7 143.5
129 97.6 77.1 115.7
131 94.7 76.0 114.0

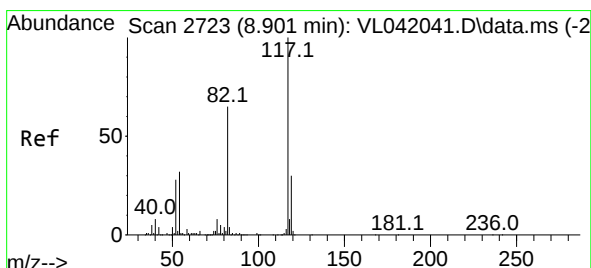
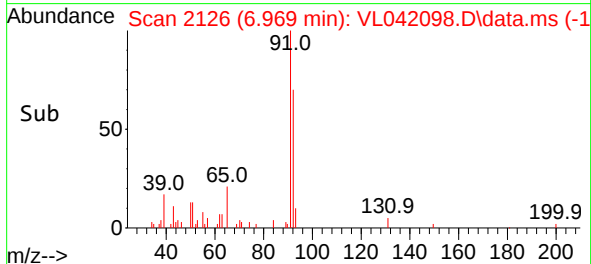
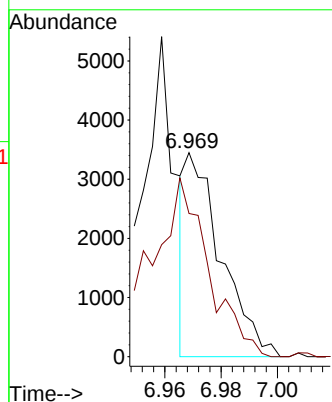
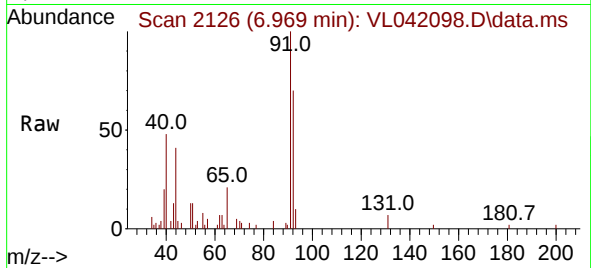




#53
Toluene
Concen: 0.067 ppbv
RT: 6.969 min Scan# 2123
Delta R.T. 0.009 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

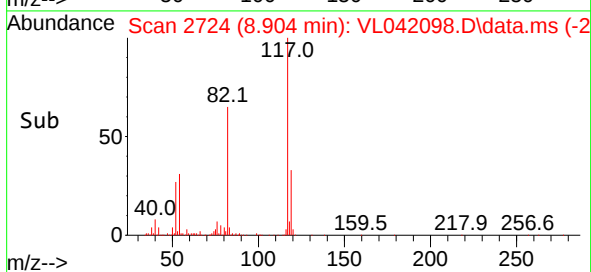
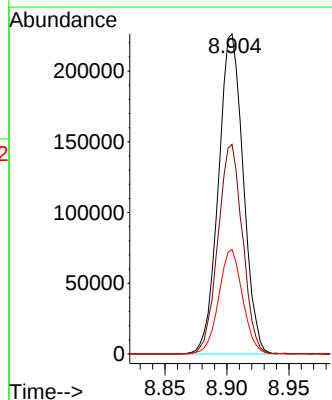
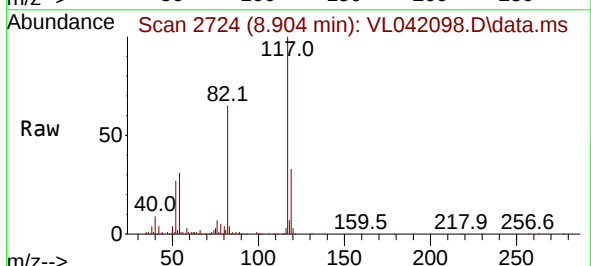
Instrument :
MSVOA_L
ClientSampleId :
IA1

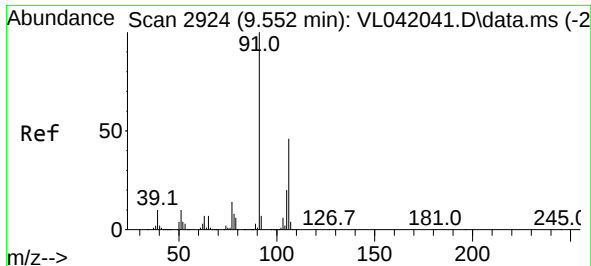
Tgt Ion: 91 Resp: 3030
Ion Ratio Lower Upper
91 100
92 160.7 49.0 73.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 117 Resp: 315662
Ion Ratio Lower Upper
117 100
82 64.9 55.0 82.6
119 31.5 25.9 38.9





#59

m/p-Xylene

Concen: 0.096 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. 0.006 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

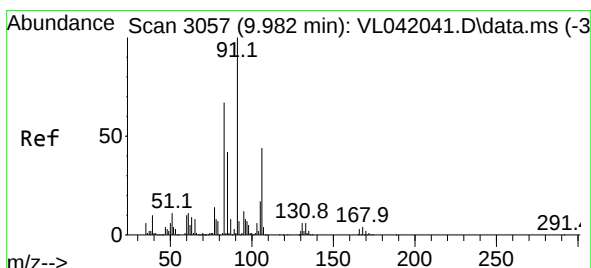
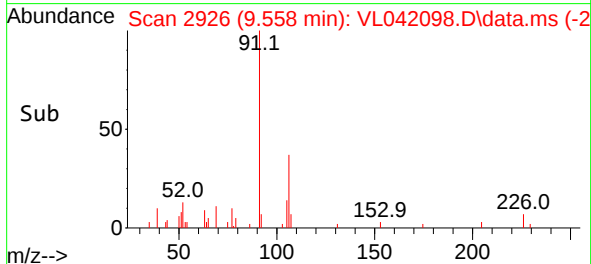
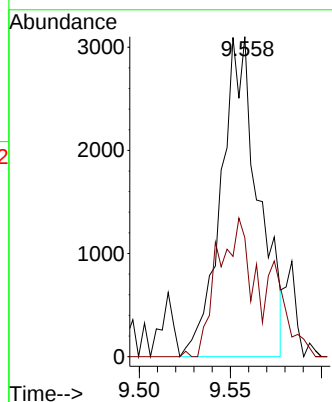
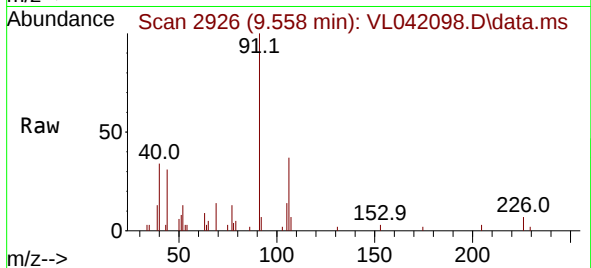
IA1

Tgt Ion: 91 Resp: 4431

Ion Ratio Lower Upper

91 100

106 54.8 0.0 0.0#



#60

o-Xylene

Concen: 0.095 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. -0.424 min

Lab File: VL042098.D

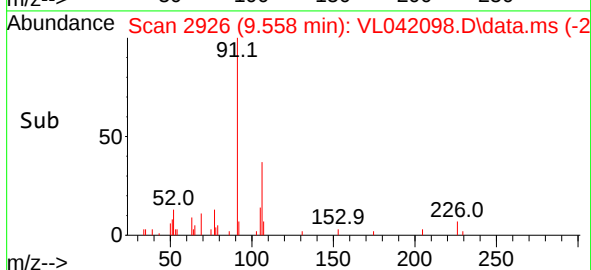
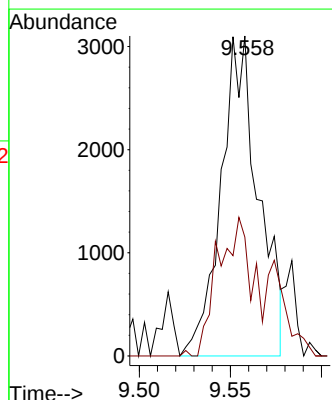
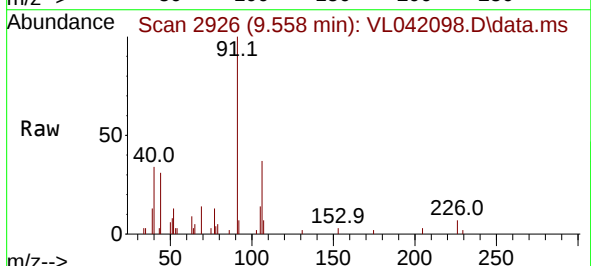
Acq: 05 Mar 2025 11:37

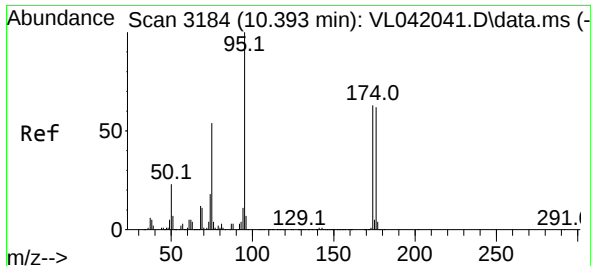
Tgt Ion: 91 Resp: 4431

Ion Ratio Lower Upper

91 100

106 54.7 22.3 66.8

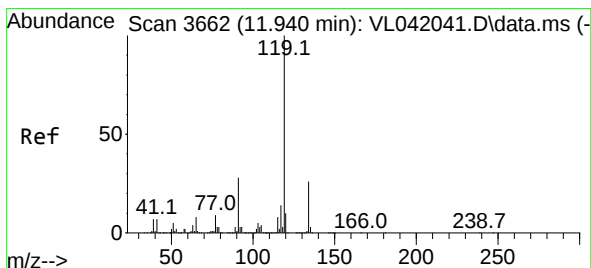
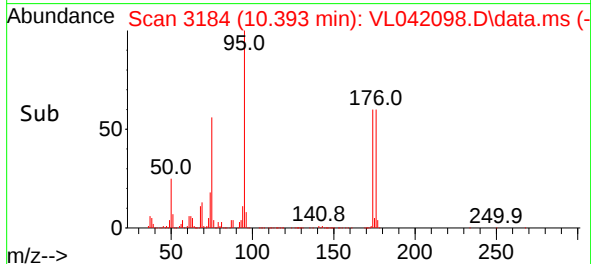
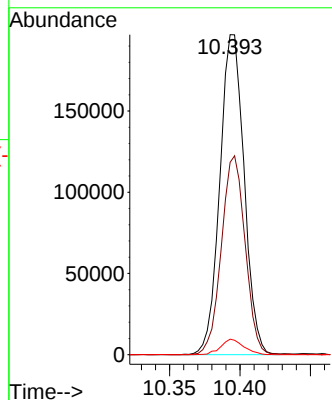
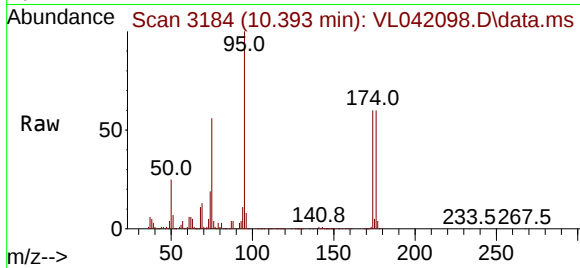




#68
1-Bromo-4-Fluorobenzene
Concen: 9.750 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

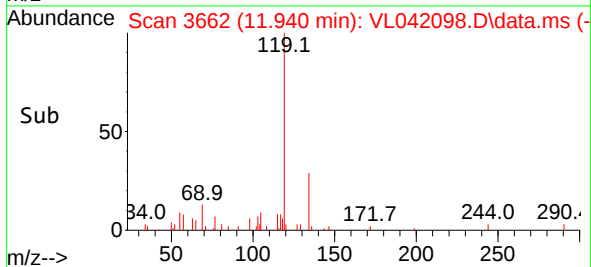
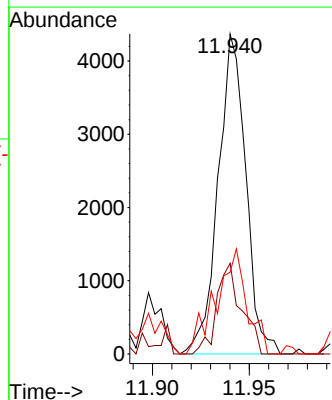
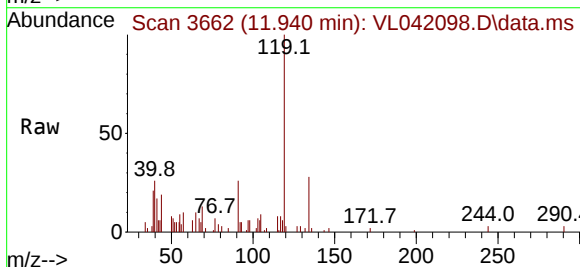
Instrument :
MSVOA_L
ClientSampleId :
IA1

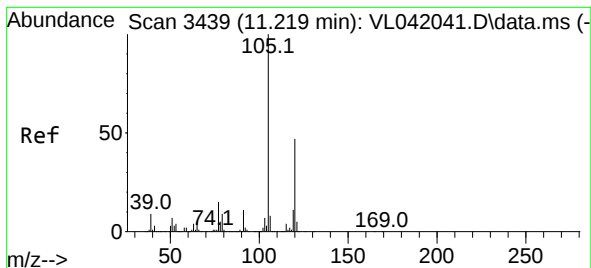
Tgt Ion: 95 Resp: 236783
Ion Ratio Lower Upper
95 100
174 60.7 51.8 77.6
175 4.6 3.9 5.9



#69
p-Isopropyltoluene
Concen: 0.060 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 119 Resp: 4340
Ion Ratio Lower Upper
119 100
134 25.5 20.9 31.3
91 37.9 23.1 34.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.030 ppbv

RT: 11.222 min Scan# 3440

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

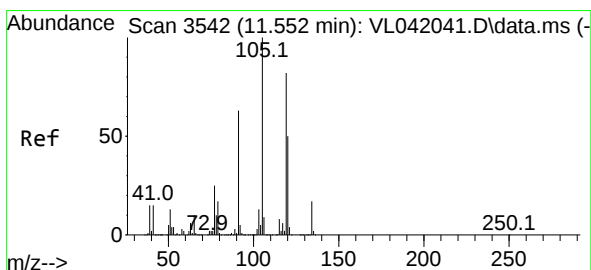
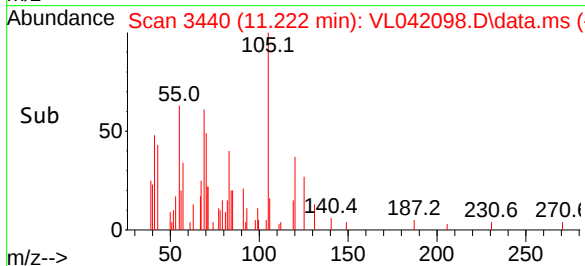
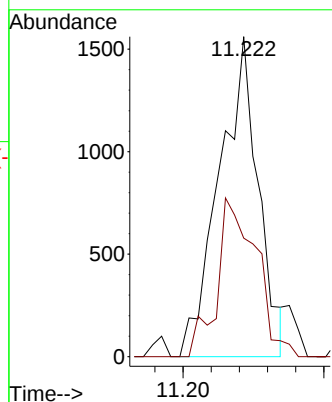
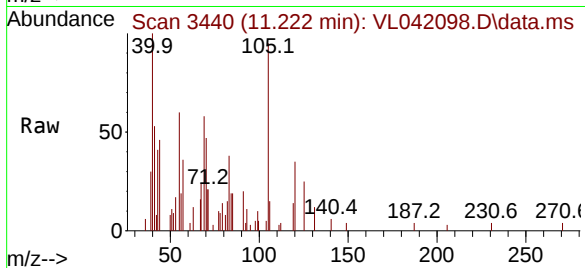
IA1

Tgt Ion:105 Resp: 1498

Ion Ratio Lower Upper

105 100

120 37.0 37.4 56.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.079 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Tgt Ion:105 Resp: 4400

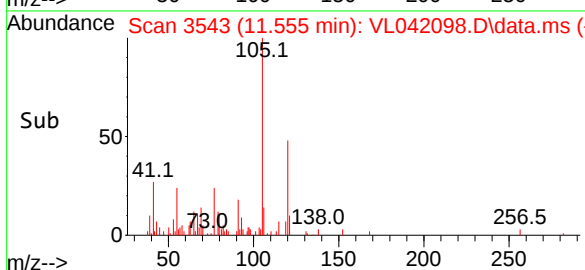
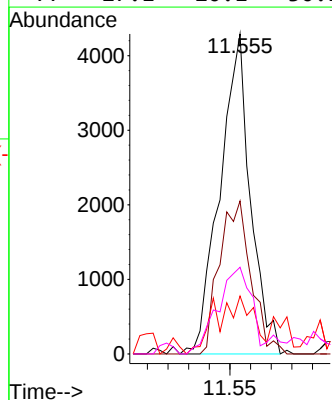
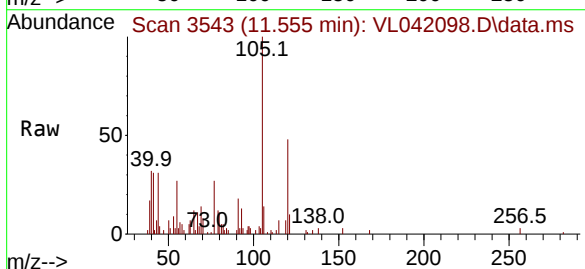
Ion Ratio Lower Upper

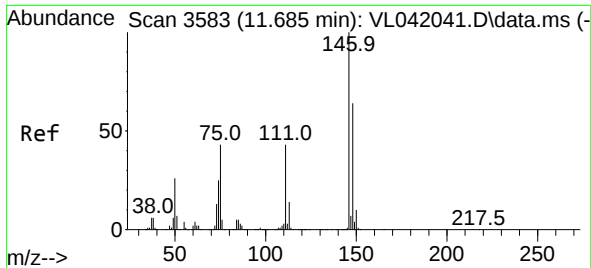
105 100

120 47.8 40.2 60.2

91 15.9 51.4 77.2#

77 27.1 20.1 30.1

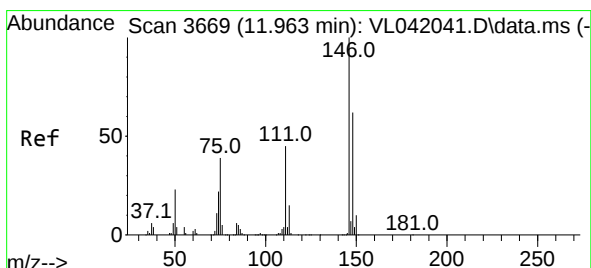
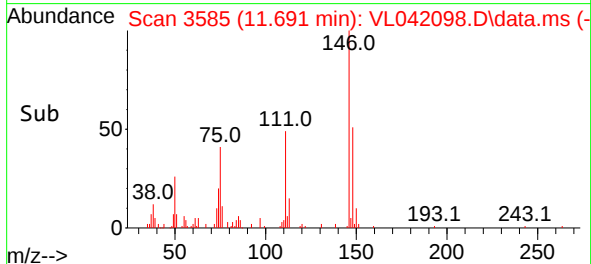
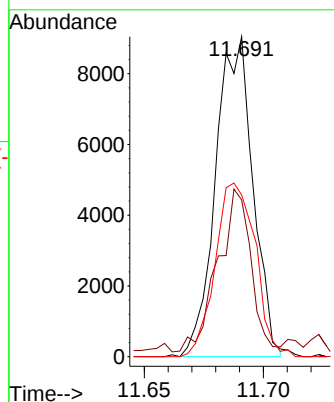
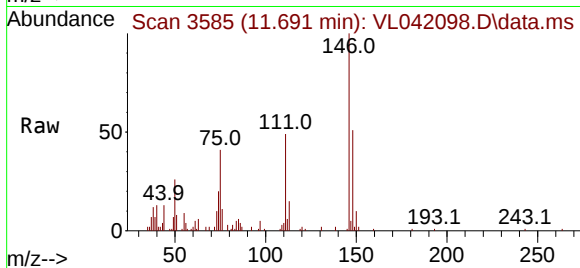




#76
1,4-Dichlorobenzene
Concen: 0.310 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. 0.006 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

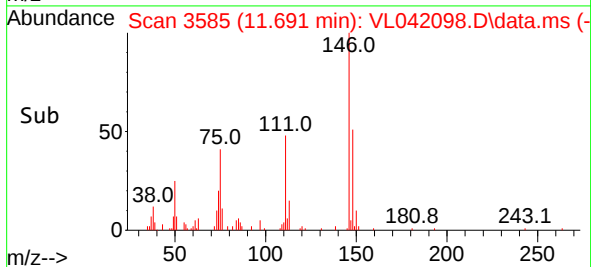
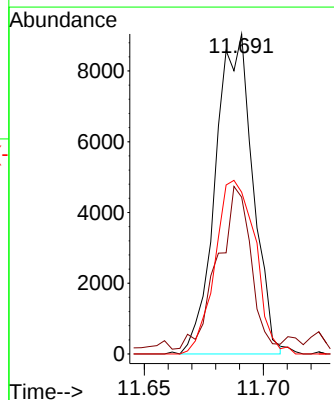
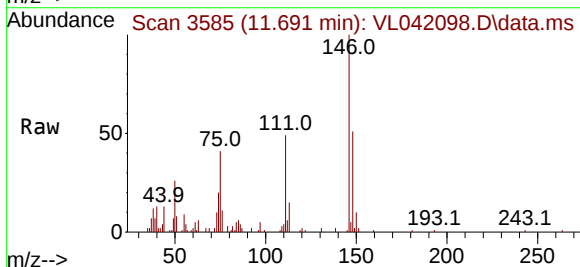
Instrument :
MSVOA_L
ClientSampleId :
IA1

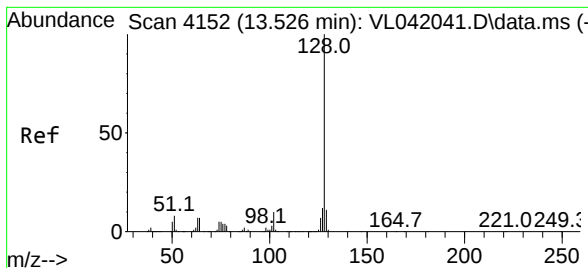
Tgt Ion:	146	Resp:	9825
Ion Ratio	Lower	Upper	
146	100		
111	56.9	21.5	64.5
148	58.5	31.6	95.0



#77
1,2-Dichlorobenzene
Concen: 0.317 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. -0.272 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion:	146	Resp:	9825
Ion Ratio	Lower	Upper	
146	100		
111	57.3	23.2	69.6
148	58.5	31.4	94.2





#79

Naphthalene

Concen: 0.068 ppbv

RT: 13.529 min Scan# 4153

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

IA1

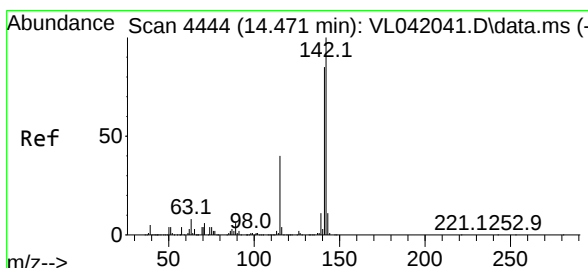
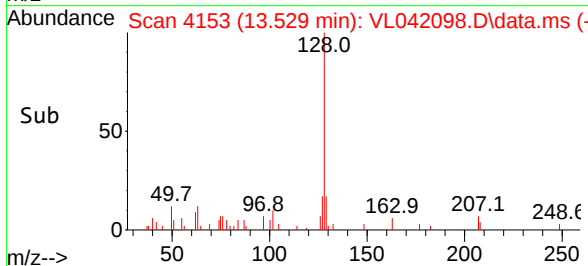
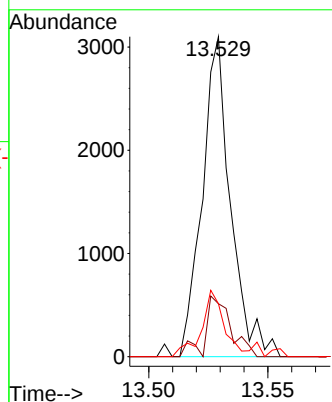
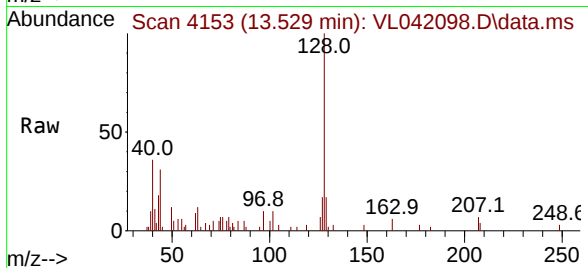
Tgt Ion:128 Resp: 2569

Ion Ratio Lower Upper

128 100

127 16.5 9.8 14.6#

129 14.0 8.6 12.8#



#80

Naphthalene,2-methyl-

Concen: 0.103 ppbv

RT: 14.478 min Scan# 4446

Delta R.T. 0.006 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Tgt Ion:142 Resp: 1071

Ion Ratio Lower Upper

142 100

141 95.1 65.8 98.6

115 61.0 29.5 44.3#

