

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048532.D
 Acq On : 10 Nov 2025 12:37
 Operator : JC/MD
 Sample : Q3573-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:45:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

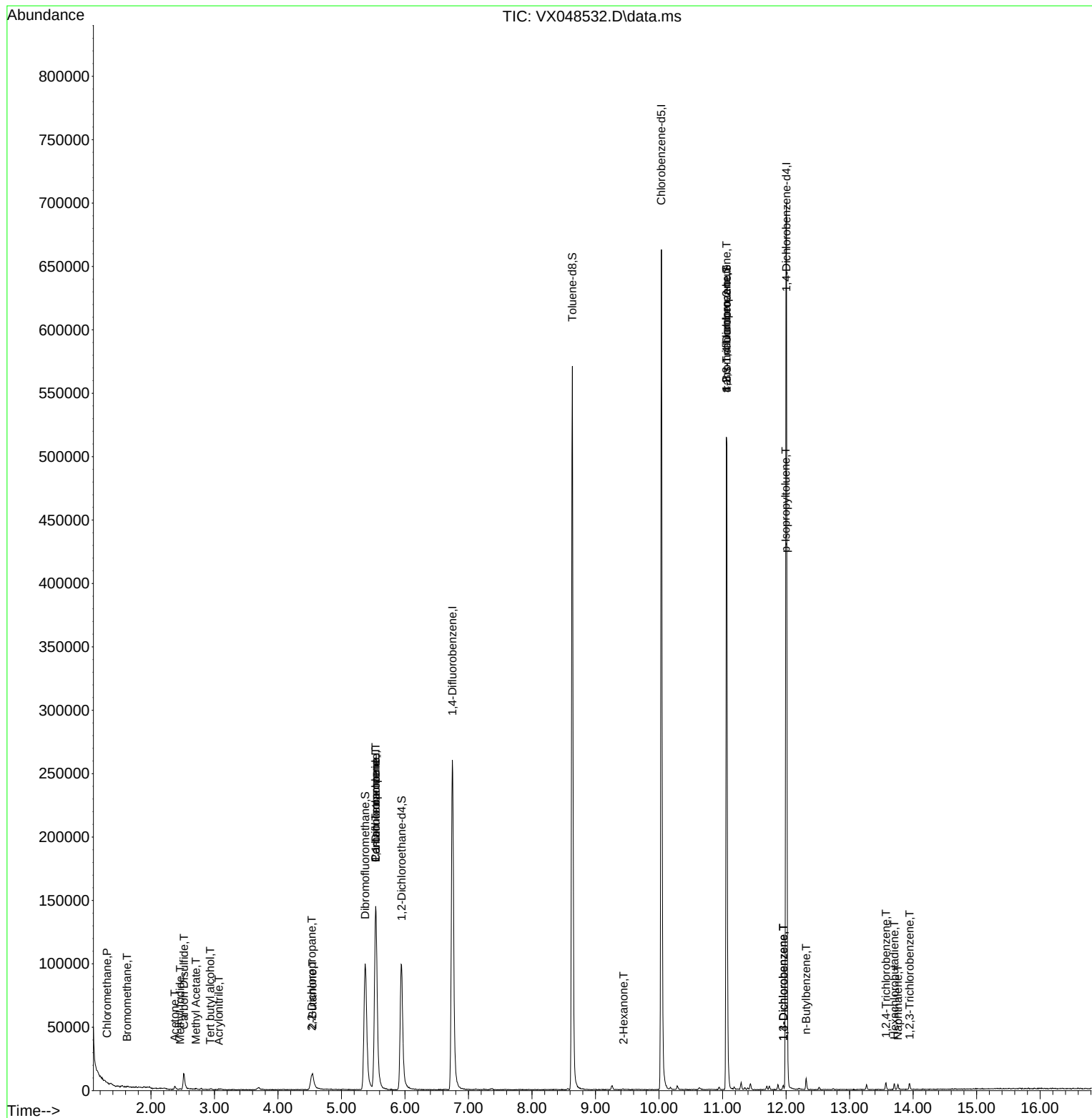
Internal Standards						
1) Pentafluorobenzene	5.537	168	154204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	305047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	320823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	164496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	107598	50.076	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.160%		
35) Dibromofluoromethane	5.373	113	100948	43.723	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 87.440%		
50) Toluene-d8	8.634	98	360106	50.010	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.020%		
62) 4-Bromofluorobenzene	11.061	95	154270	57.489	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 114.980%		
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	353	0.213	ug/l	91
5) Bromomethane	1.624	94	291	0.246	ug/l	83
10) Methyl Iodide	2.459	142	572	0.225	ug/l #	88
11) Tert butyl alcohol	2.934	59	164	0.403	ug/l #	71
15) Acrylonitrile	3.068	53	357	0.300	ug/l #	63
16) Acetone	2.373	43	3153	3.100	ug/l	96
17) Carbon Disulfide	2.520	76	1717	0.340	ug/l #	89
18) Methyl Acetate	2.709	43	1140	0.408	ug/l #	81
25) 2-Butanone	4.544	43	1088	0.723	ug/l	93
26) 2,2-Dichloropropane	4.532	77	1074	0.358	ug/l #	52
36) 1,1-Dichloropropene	5.537	75	11135	3.602	ug/l #	49
38) Carbon Tetrachloride	5.537	117	14893	4.232	ug/l #	18
59) 2-Hexanone	9.439	43	591	0.228	ug/l	74
76) 1,2,3-Trichloropropane	11.061	75	73364	18.512	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	73364	52.952	ug/l #	12
86) p-Isopropyltoluene	11.994	119	2145	0.205	ug/l #	75
87) 1,3-Dichlorobenzene	11.957	146	1459	0.252	ug/l	98
88) 1,4-Dichlorobenzene	11.957	146	1459	0.244	ug/l	98
89) n-Butylbenzene	12.317	91	3303	0.337	ug/l	92
93) 1,2,4-Trichlorobenzene	13.573	180	1847	0.501	ug/l	86
94) Hexachlorobutadiene	13.707	225	897	0.582	ug/l	90
95) Naphthalene	13.762	128	3416	0.288	ug/l	96
96) 1,2,3-Trichlorobenzene	13.945	180	1358	0.396	ug/l	84

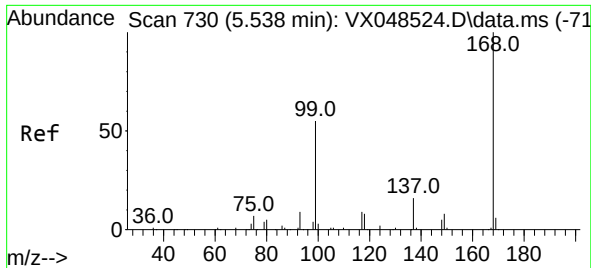
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

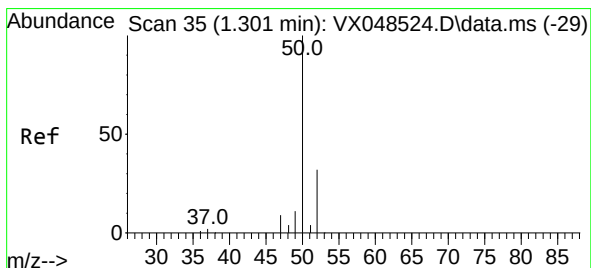
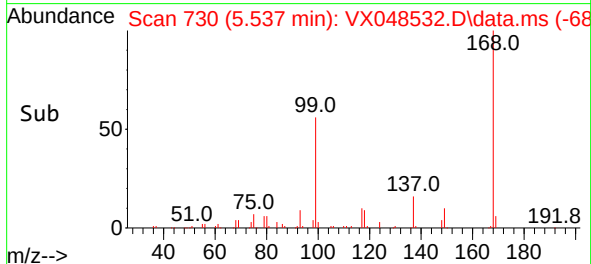
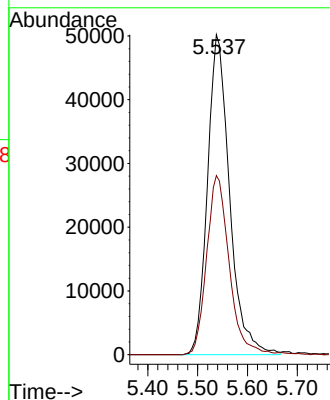
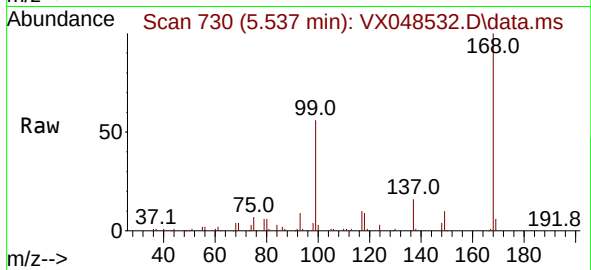




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

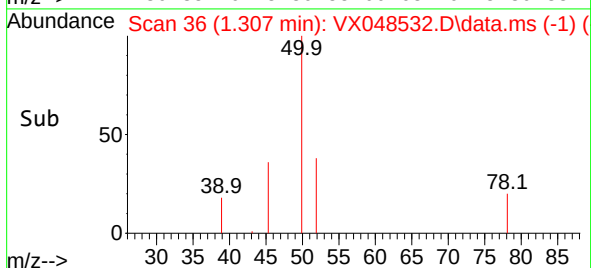
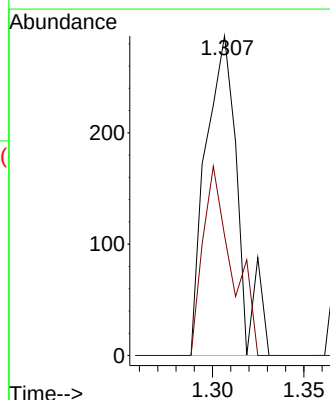
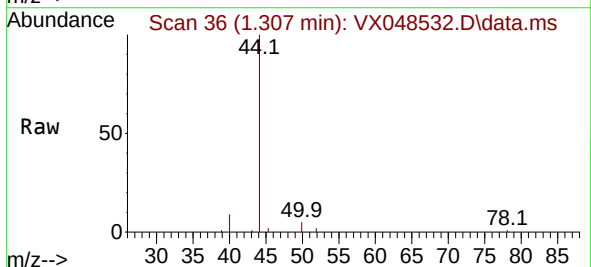
Instrument :
MSVOA_X
ClientSampleId :

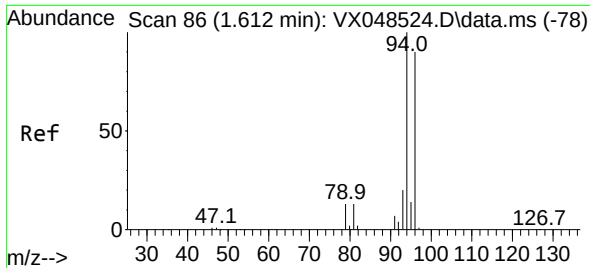
Tgt Ion:168 Resp: 154204
Ion Ratio Lower Upper
168 100
99 56.0 45.2 67.8



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 37.6 26.0 39.0

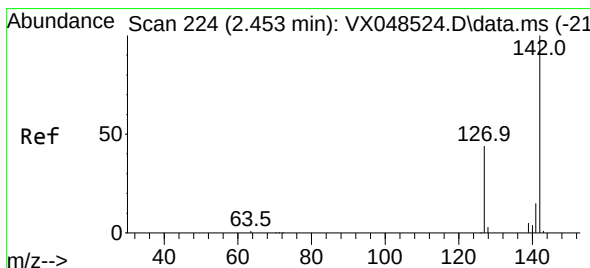
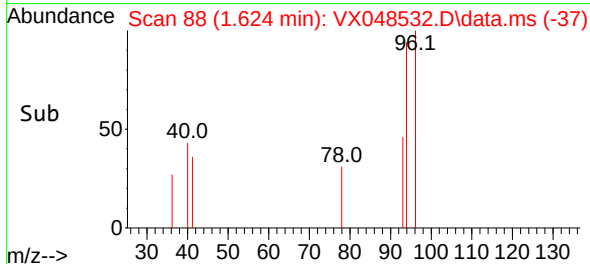
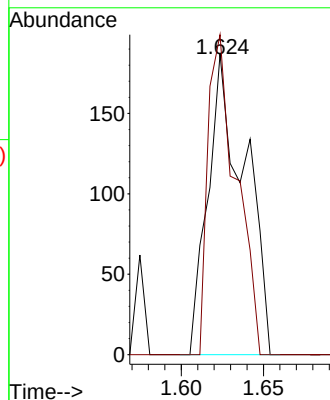
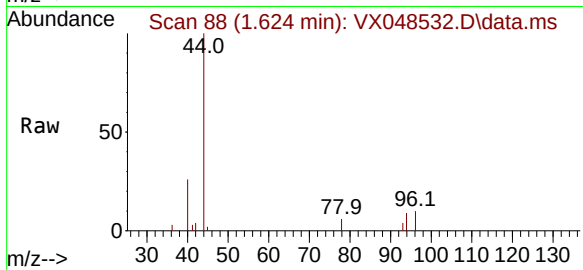




#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.624 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

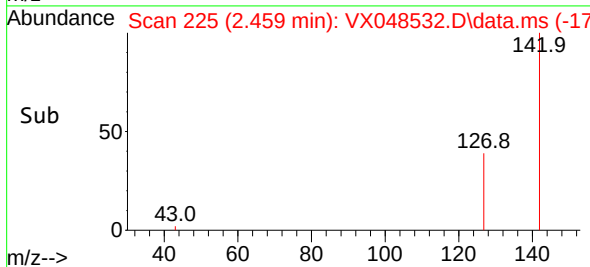
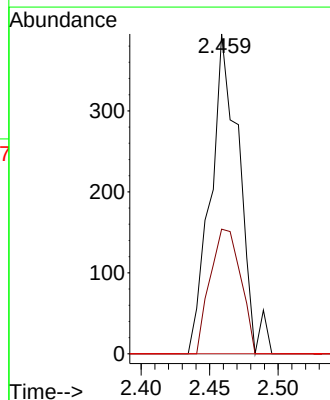
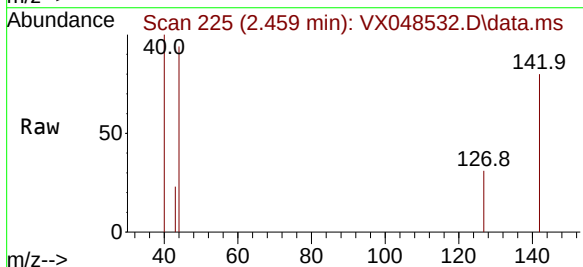
Instrument :
MSVOA_X
ClientSampleId :

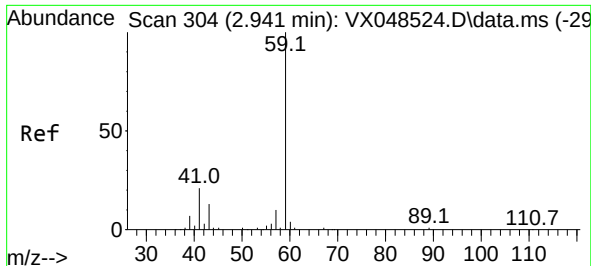
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 106.4 72.3 108.5



#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion:142 Resp: 572
Ion Ratio Lower Upper
142 100
127 41.6 35.8 53.6
141 0.0 11.4 17.0#

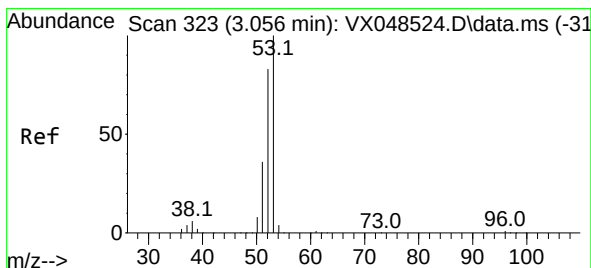
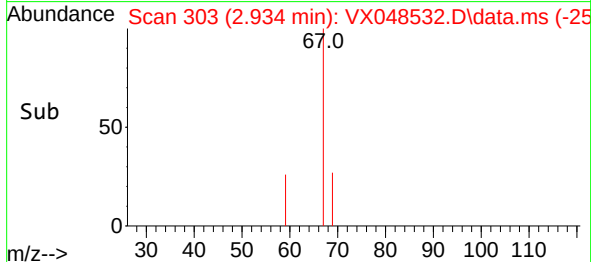
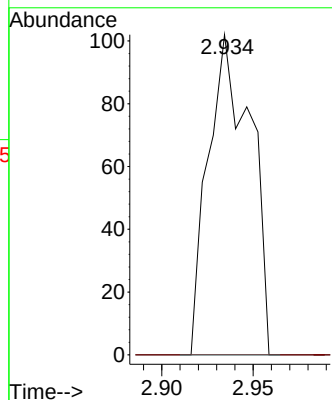
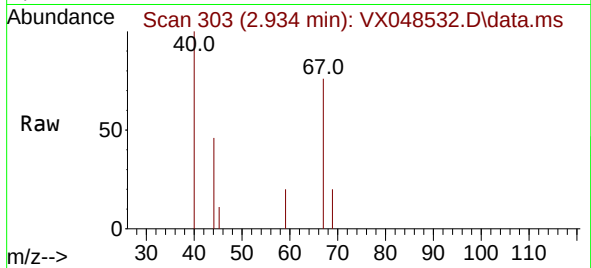




#11
Tert butyl alcohol
Concen: 0.403 ug/l
RT: 2.934 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

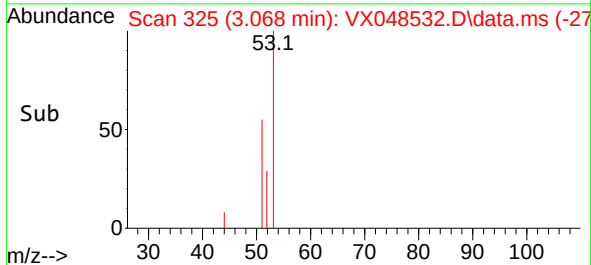
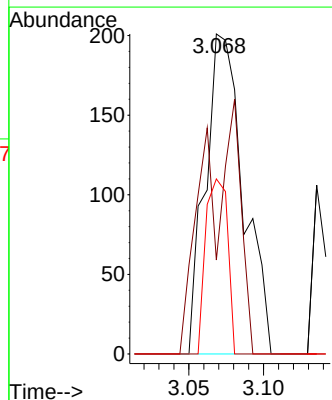
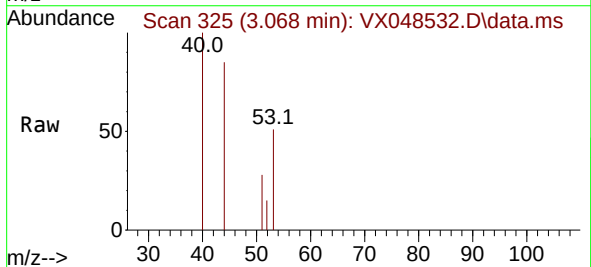
Instrument :
MSVOA_X
ClientSampleId :

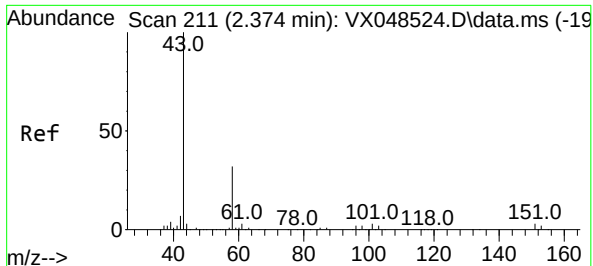
Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#15
Acrylonitrile
Concen: 0.300 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.012 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 53 Resp: 357
Ion Ratio Lower Upper
53 100
52 36.7 65.3 97.9#
51 31.4 27.8 41.6

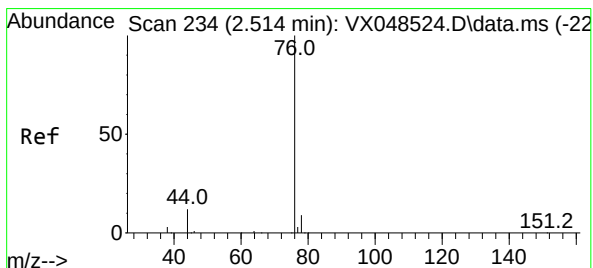
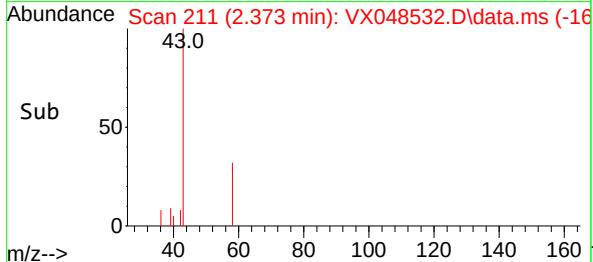
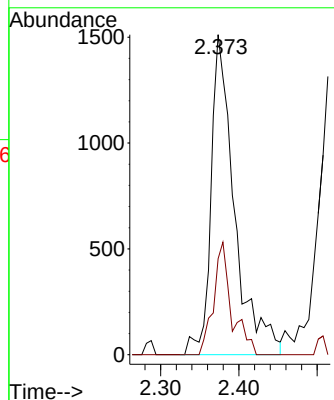
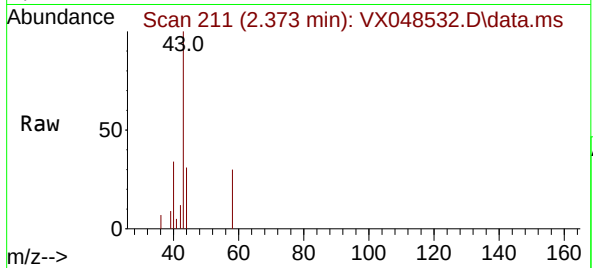




#16
Acetone
Concen: 3.100 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

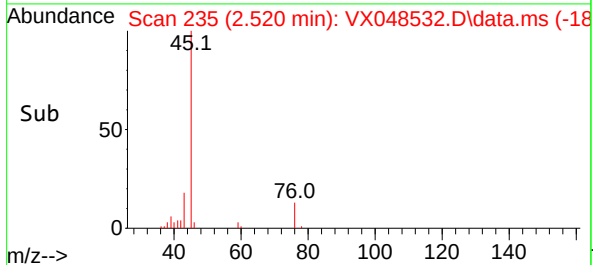
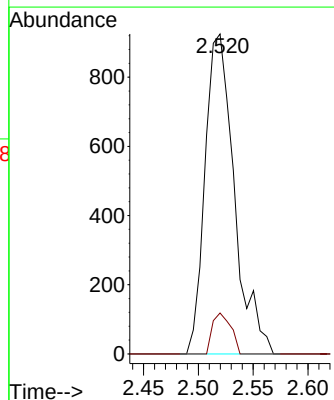
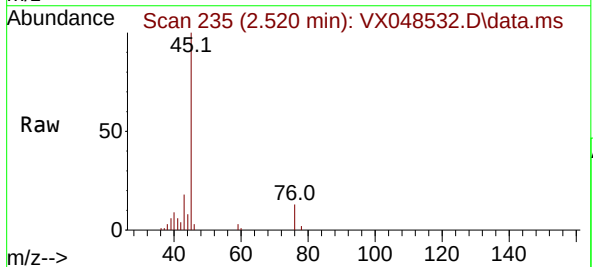
Instrument :
MSVOA_X
ClientSampleId :

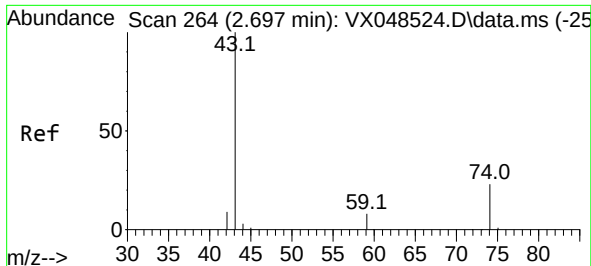
Tgt Ion: 43 Resp: 3153
Ion Ratio Lower Upper
43 100
58 30.0 25.8 38.6



#17
Carbon Disulfide
Concen: 0.340 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 76 Resp: 1717
Ion Ratio Lower Upper
76 100
78 12.8 7.1 10.7#

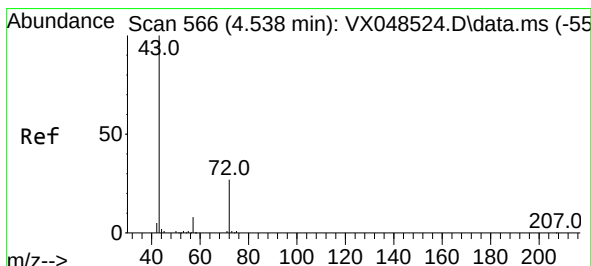
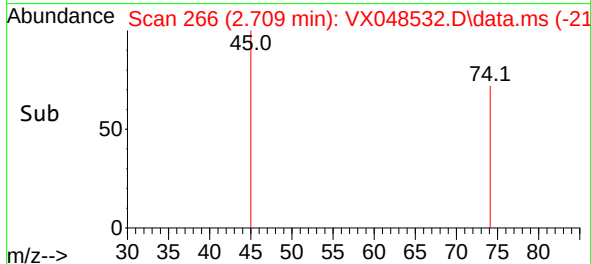
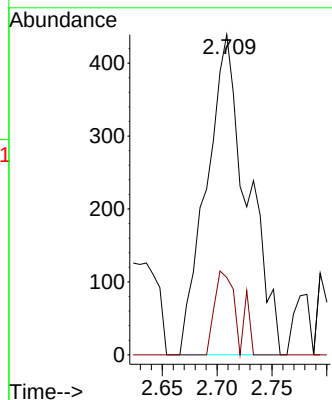
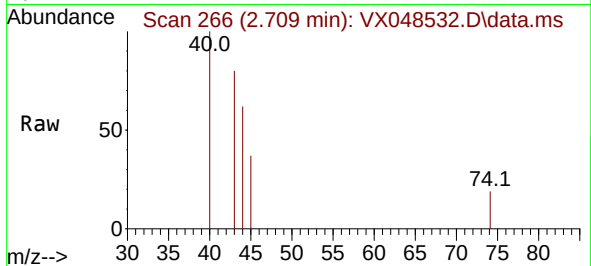




#18
Methyl Acetate
Concen: 0.408 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

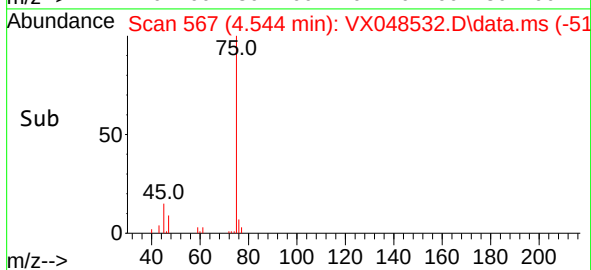
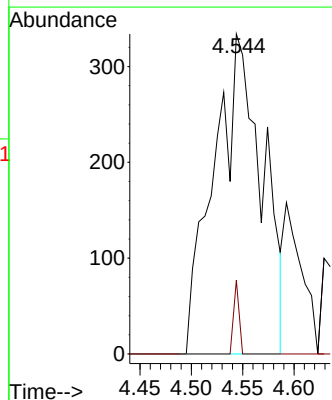
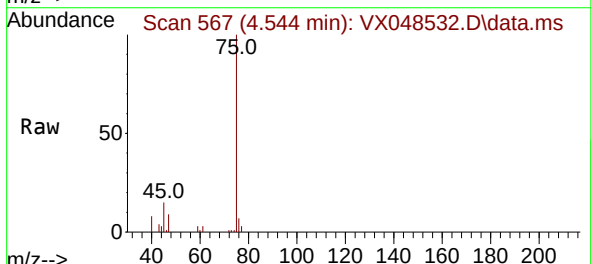
Instrument :
MSVOA_X
ClientSampleId :

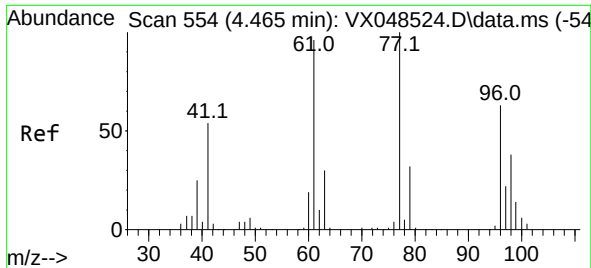
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
74 14.7 19.1 28.7#



#25
2-Butanone
Concen: 0.723 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
72 23.1 21.5 32.3

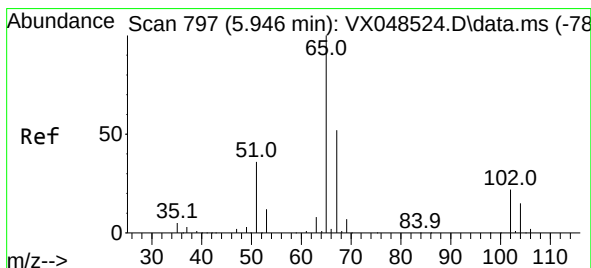
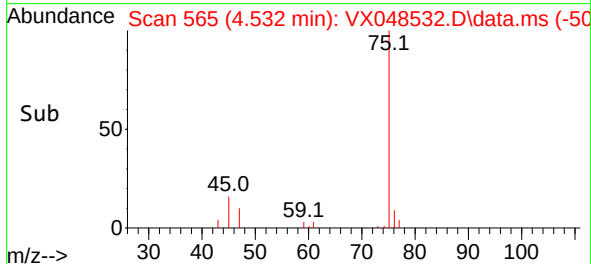
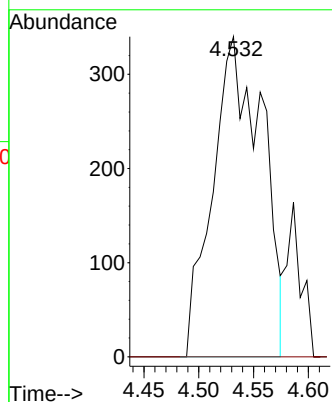
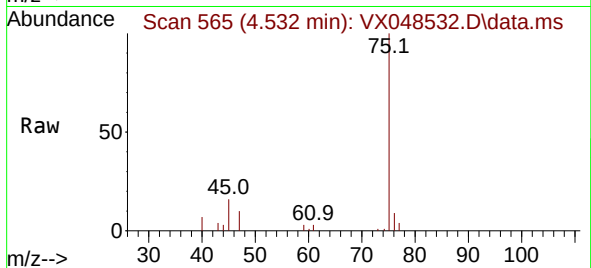




#26
2,2-Dichloropropane
Concen: 0.358 ug/l
RT: 4.532 min Scan# 50
Delta R.T. 0.067 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

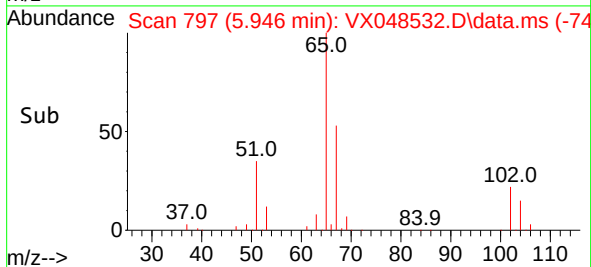
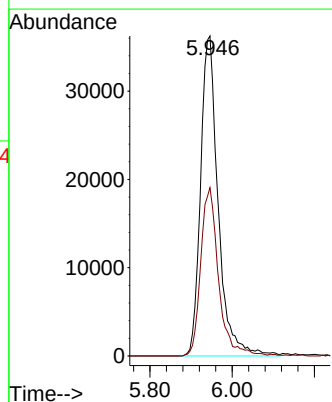
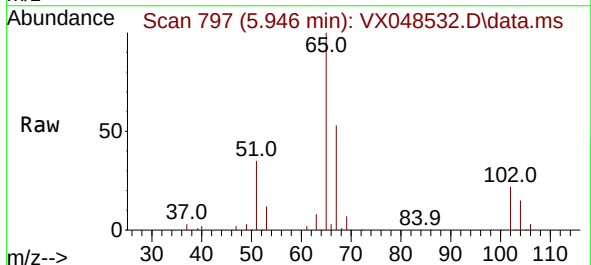
Instrument :
MSVOA_X
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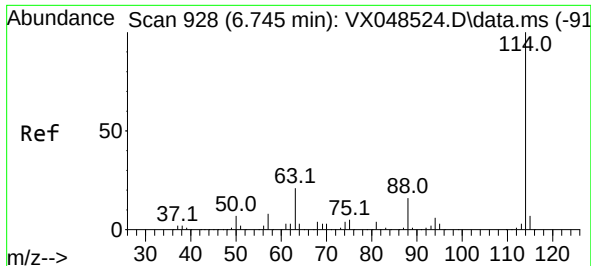
Tgt Ion: 77 Resp: 1074
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#33
1,2-Dichloroethane-d4
Concen: 50.076 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

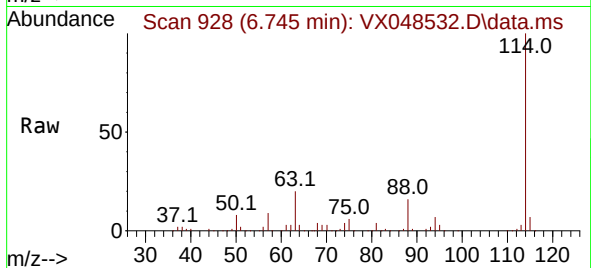
Tgt Ion: 65 Resp: 107598
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.2



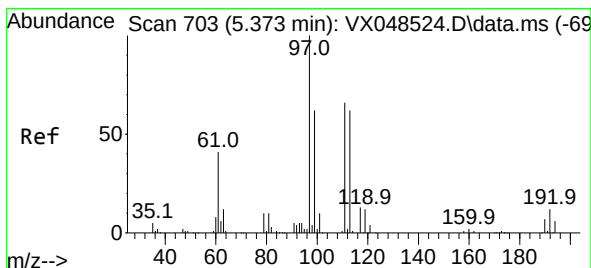
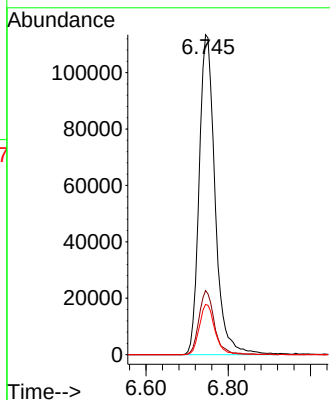
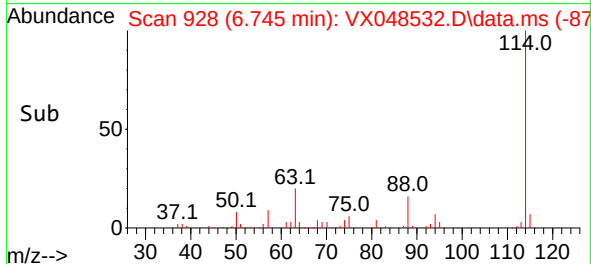


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :

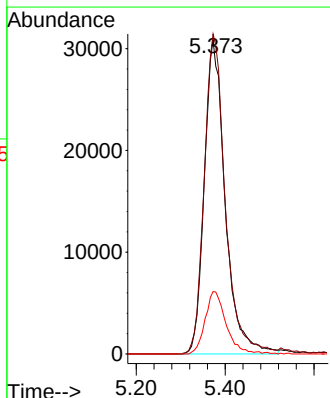
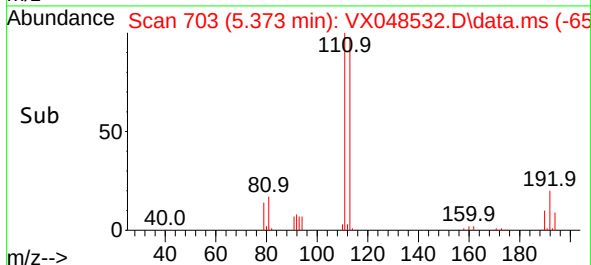
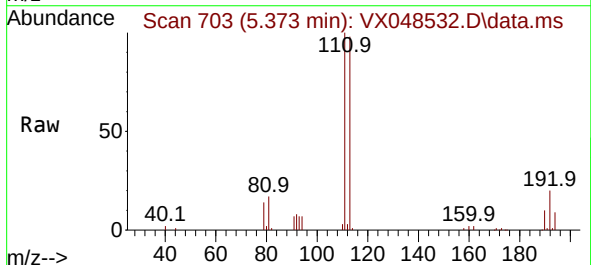


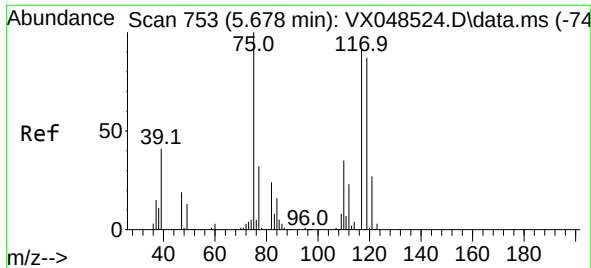
Tgt Ion:114 Resp: 305047
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.2
88 15.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 43.723 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion:113 Resp: 100948
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.0 15.8 23.6

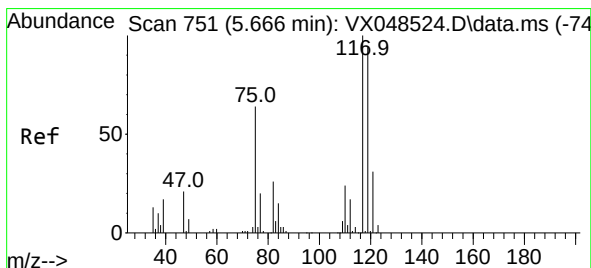
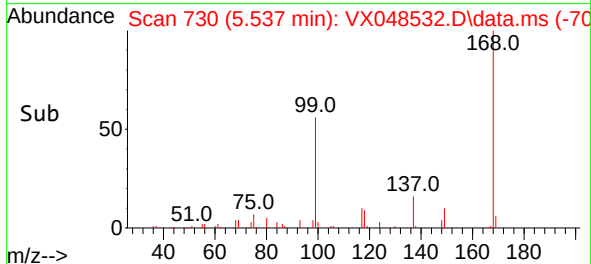
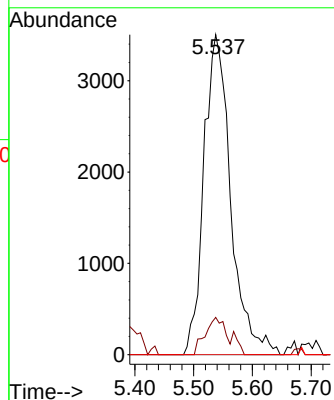
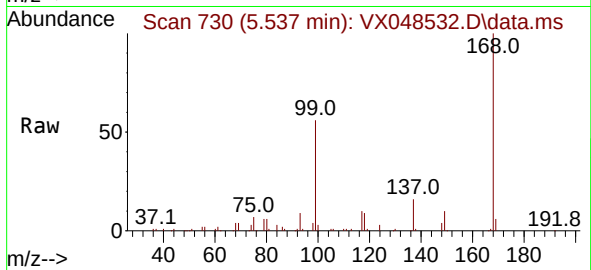




#36
1,1-Dichloropropene
Concen: 3.602 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

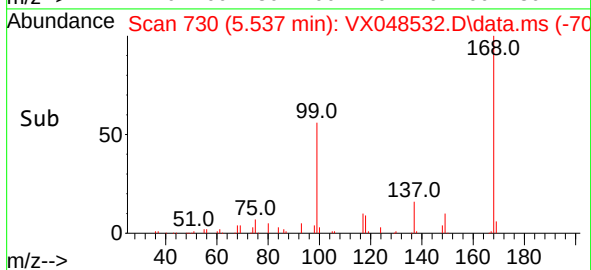
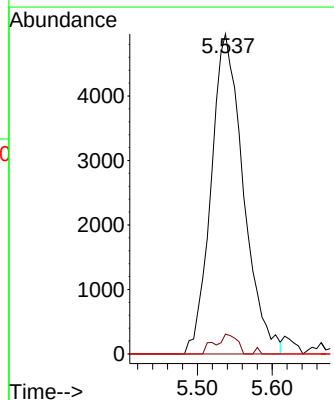
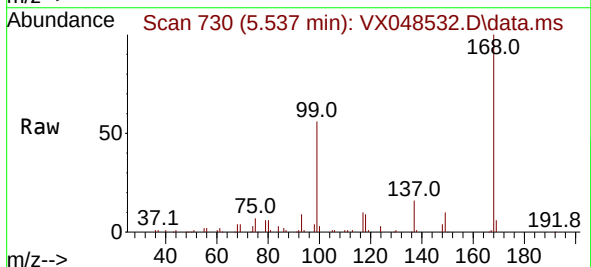
Instrument :
MSVOA_X
ClientSampleId :

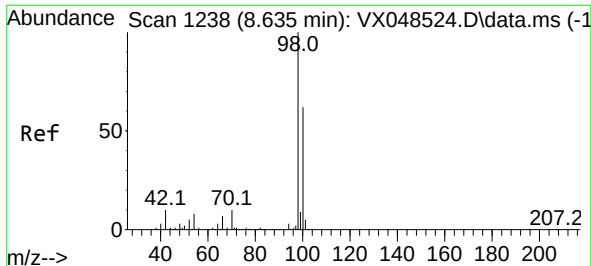
Tgt Ion: 75 Resp: 11135
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.232 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 117 Resp: 14893
Ion Ratio Lower Upper
117 100
119 6.2 74.5 111.7#
121 0.0 24.8 37.2#

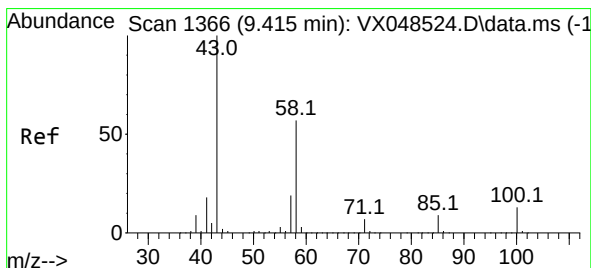
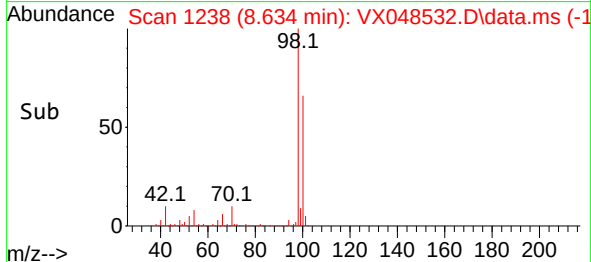
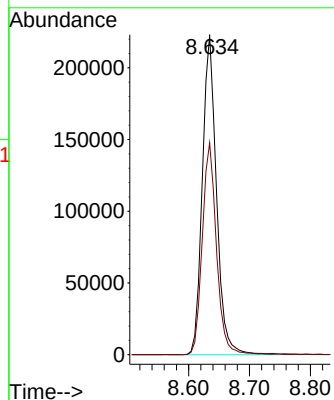
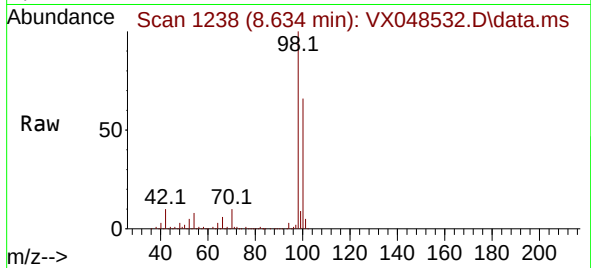




#50
Toluene-d8
Concen: 50.010 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

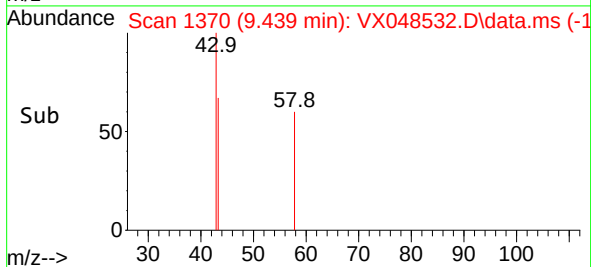
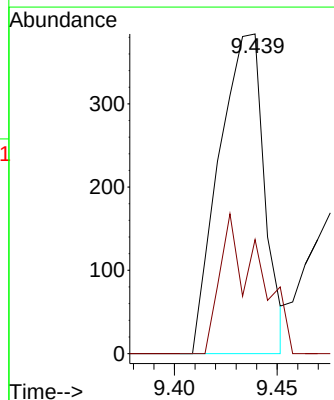
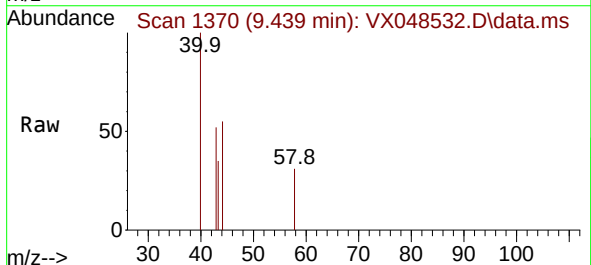
Instrument :
MSVOA_X
ClientSampleId :

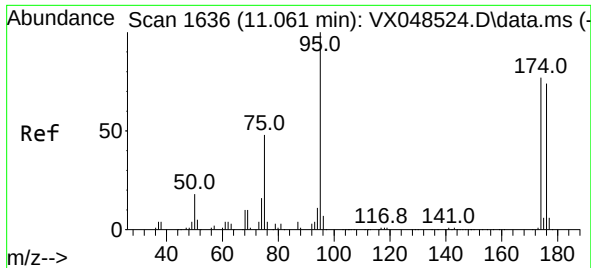
Tgt Ion: 98 Resp: 360106
Ion Ratio Lower Upper
98 100
100 66.4 53.6 80.4



#59
2-Hexanone
Concen: 0.228 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.024 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
58 37.1 28.1 84.2

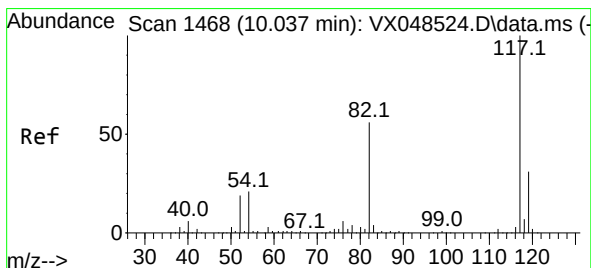
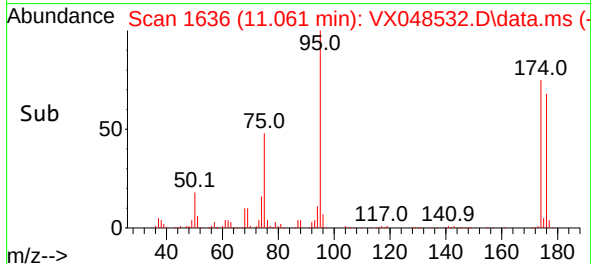
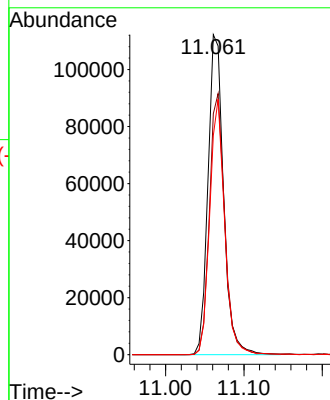
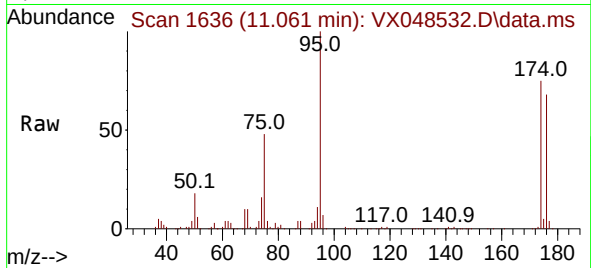




#62
4-Bromofluorobenzene
Concen: 57.489 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

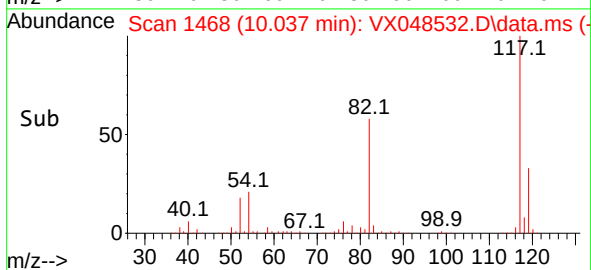
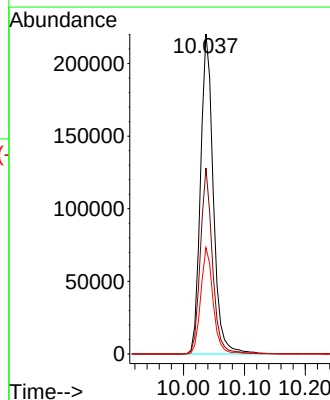
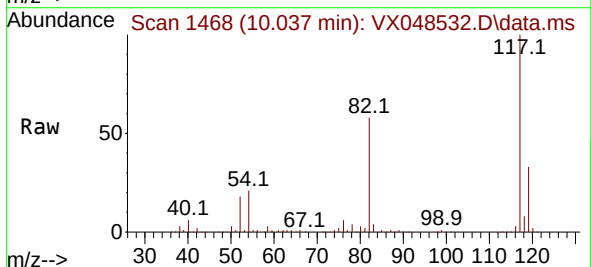
Instrument :
MSVOA_X
ClientSampleId :

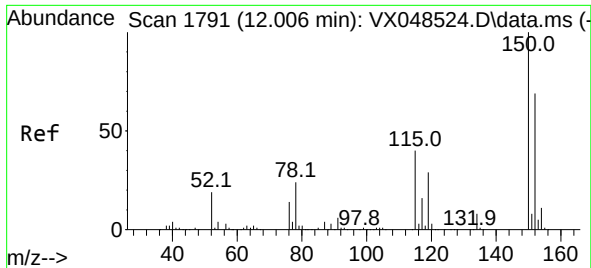
Tgt Ion: 95 Resp: 154270
Ion Ratio Lower Upper
95 100
174 80.8 0.0 161.8
176 76.9 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

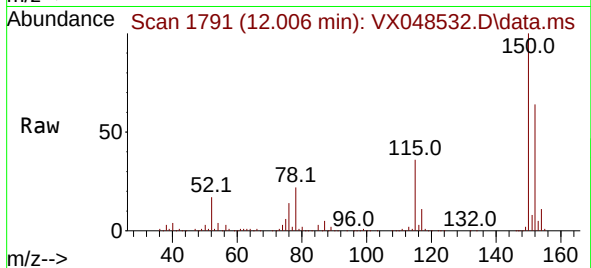
Tgt Ion: 117 Resp: 320823
Ion Ratio Lower Upper
117 100
82 58.1 44.4 66.6
119 33.3 25.1 37.7



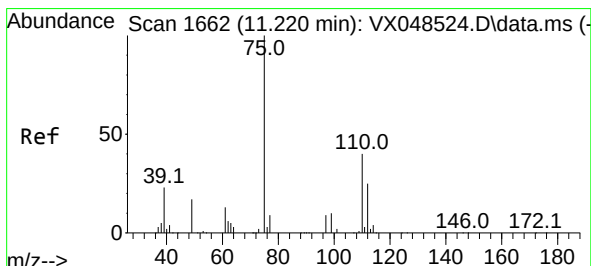
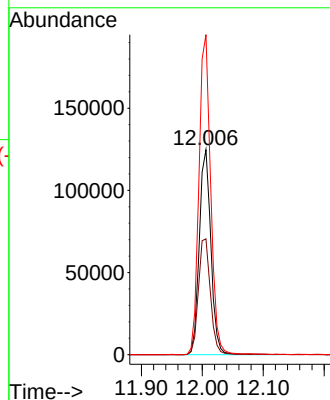
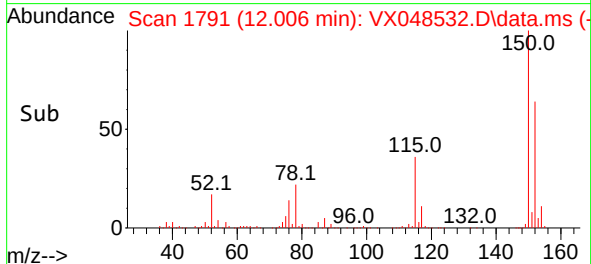


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048532.D
 Acq: 10 Nov 2025 12:37

Instrument :
 MSVOA_X
 ClientSampleId :

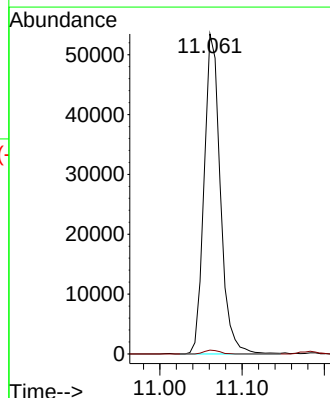
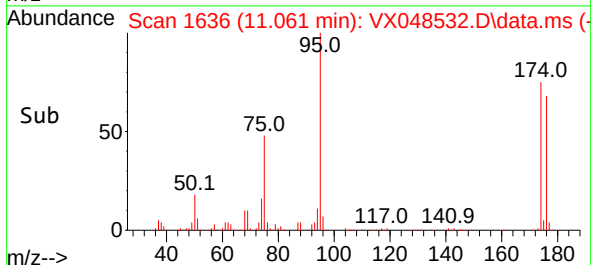
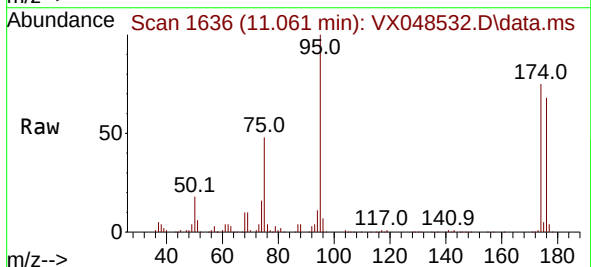


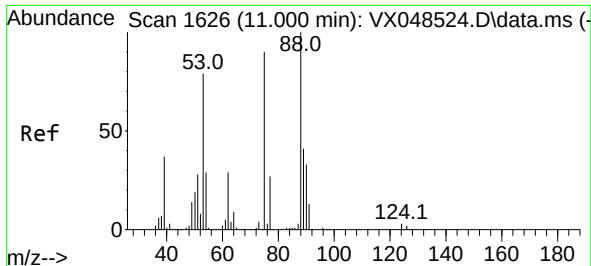
Tgt Ion:152 Resp: 164496
 Ion Ratio Lower Upper
 152 100
 115 58.7 39.2 117.6
 150 157.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 18.512 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048532.D
 Acq: 10 Nov 2025 12:37

Tgt Ion: 75 Resp: 73364
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 72.8#

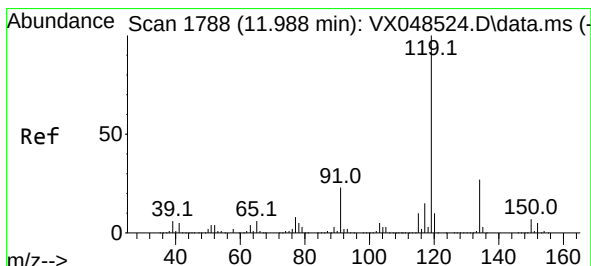
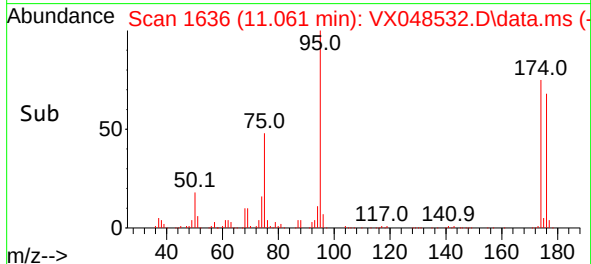
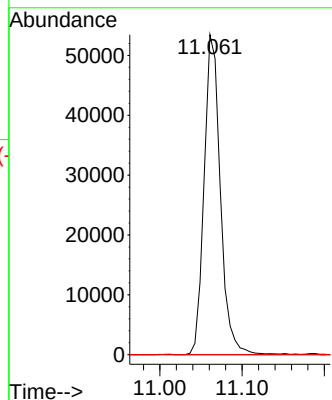
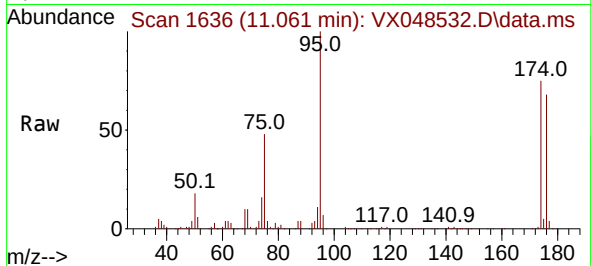




#81
trans-1,4-Dichloro-2-butene
Concen: 52.952 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

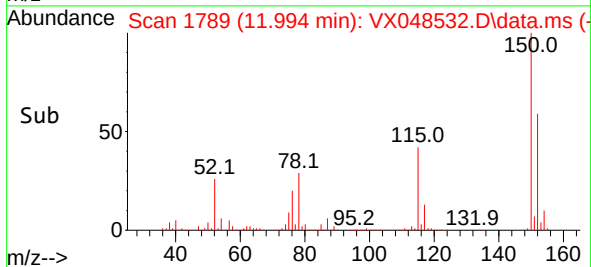
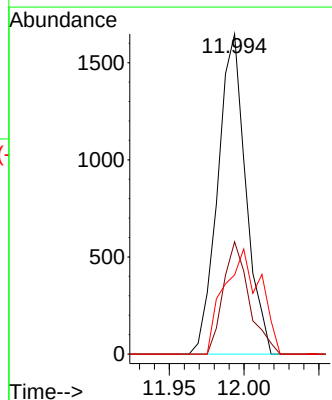
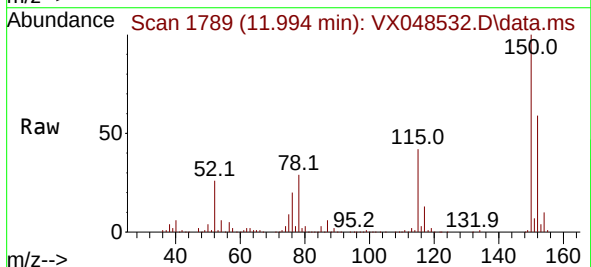
Instrument :
MSVOA_X
ClientSampleId :

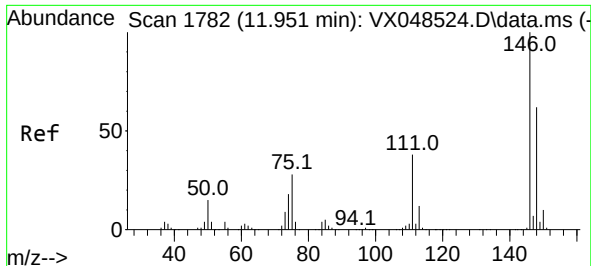
Tgt Ion: 75 Resp: 73364
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#86
p-Isopropyltoluene
Concen: 0.205 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

Tgt Ion: 119 Resp: 2145
Ion Ratio Lower Upper
119 100
134 32.4 13.2 39.5
91 42.4 11.3 33.9#





#87

1,3-Dichlorobenzene

Concen: 0.252 ug/l

RT: 11.957 min Scan# 1783

Delta R.T. 0.006 min

Lab File: VX048532.D

Acq: 10 Nov 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

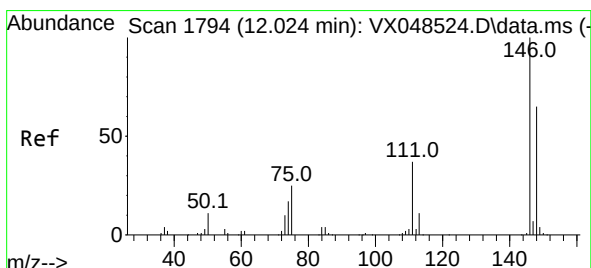
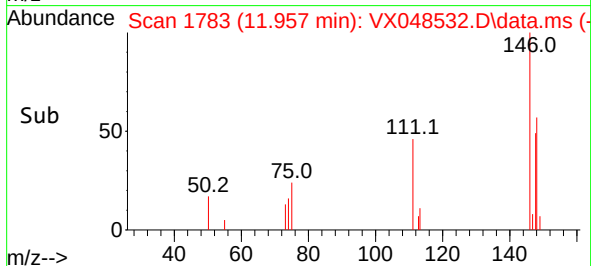
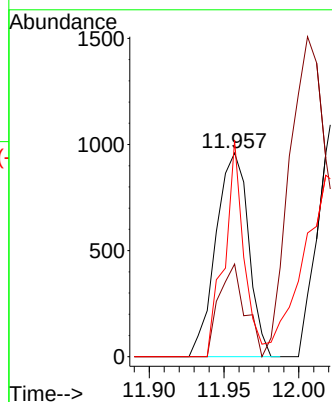
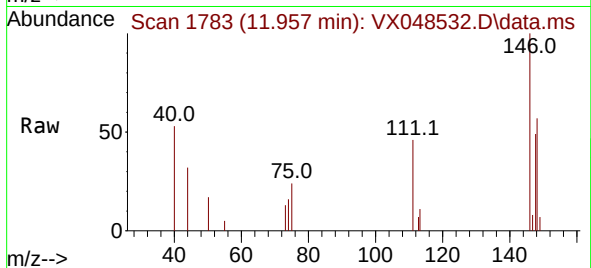
Tgt Ion:146 Resp: 1459

Ion Ratio Lower Upper

146 100

111 36.2 19.8 59.4

148 62.9 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.244 ug/l

RT: 11.957 min Scan# 1783

Delta R.T. -0.067 min

Lab File: VX048532.D

Acq: 10 Nov 2025 12:37

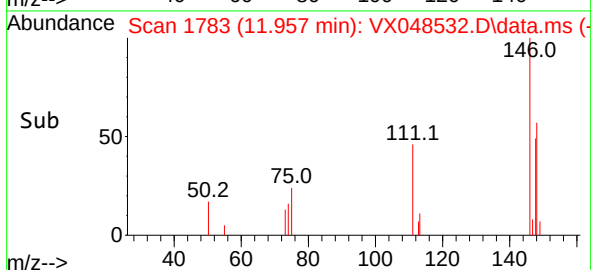
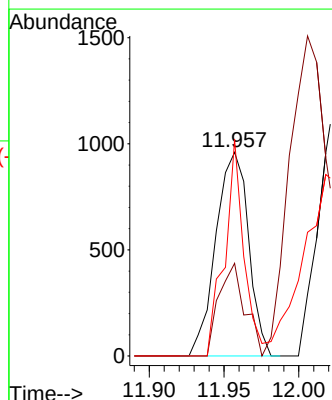
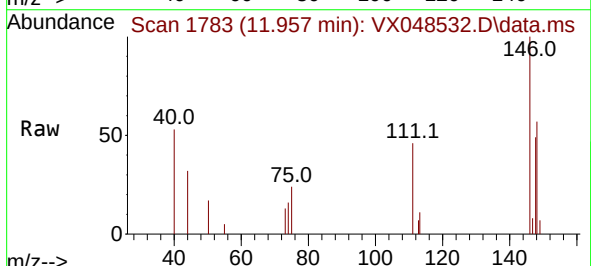
Tgt Ion:146 Resp: 1459

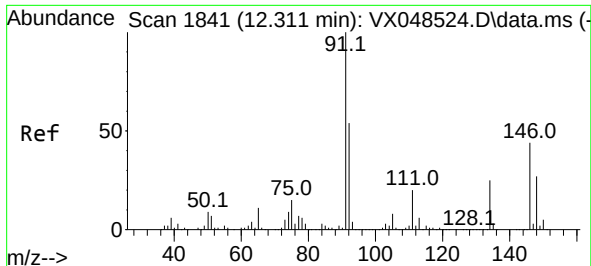
Ion Ratio Lower Upper

146 100

111 36.2 19.2 57.6

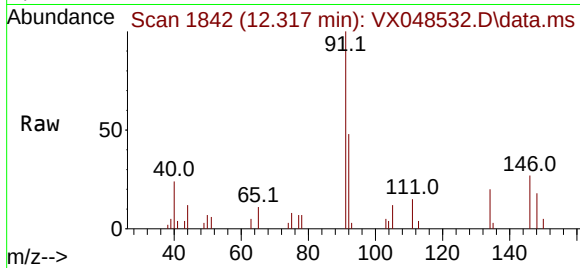
148 62.9 31.9 95.9



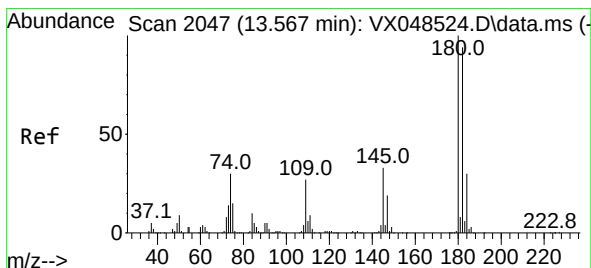
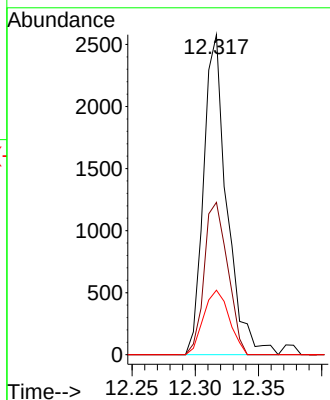
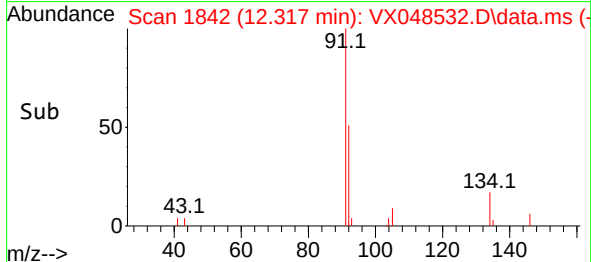


#89
n-Butylbenzene
Concen: 0.337 ug/l
RT: 12.317 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

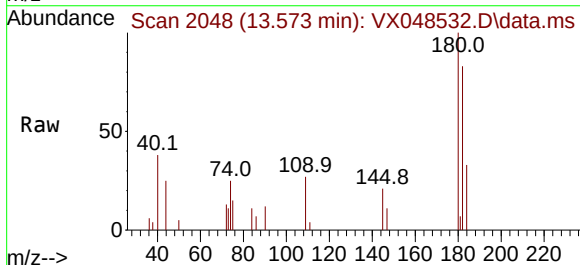
Instrument :
MSVOA_X
ClientSampleId :



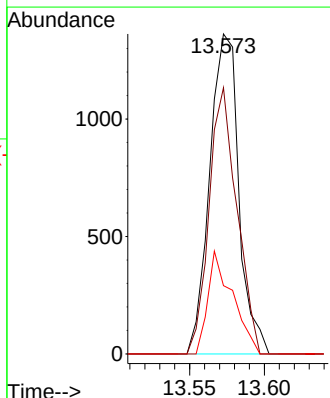
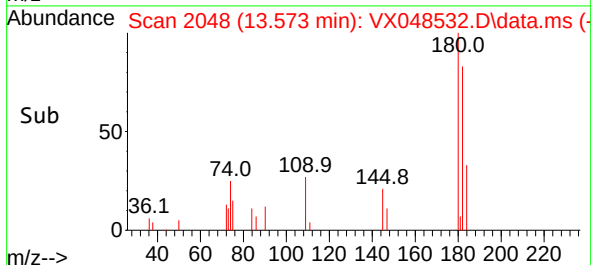
Tgt Ion: 91 Resp: 3303
Ion Ratio Lower Upper
91 100
92 48.1 27.2 81.5
134 22.2 13.0 39.0

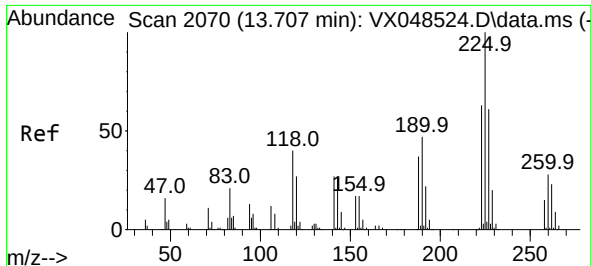


#93
1,2,4-Trichlorobenzene
Concen: 0.501 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37



Tgt Ion: 180 Resp: 1847
Ion Ratio Lower Upper
180 100
182 79.3 47.5 142.6
145 27.2 15.9 47.7

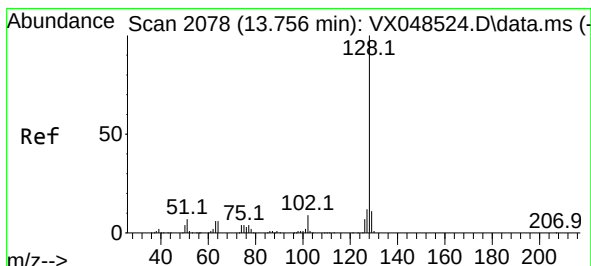
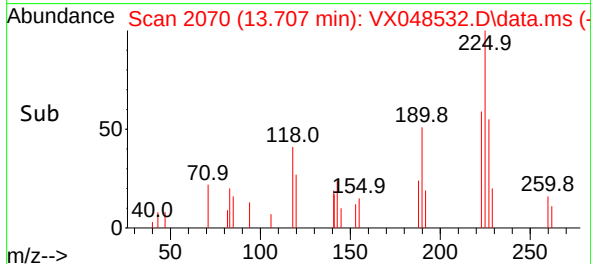
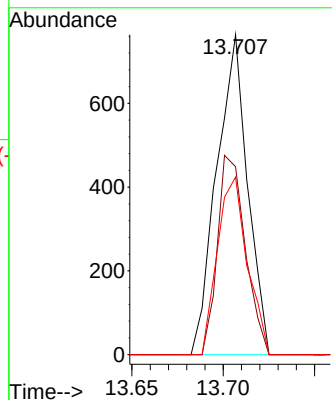
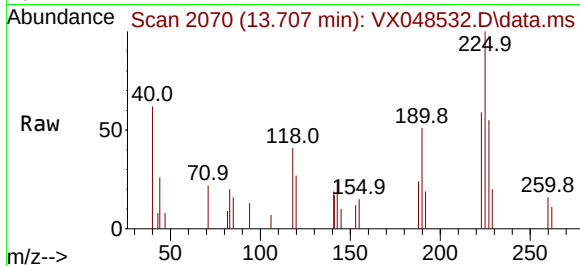




#94
Hexachlorobutadiene
Concen: 0.582 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

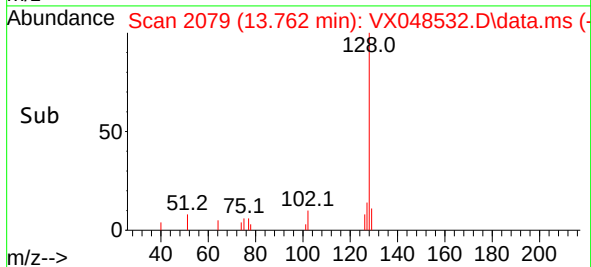
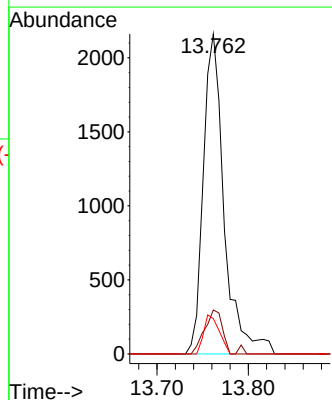
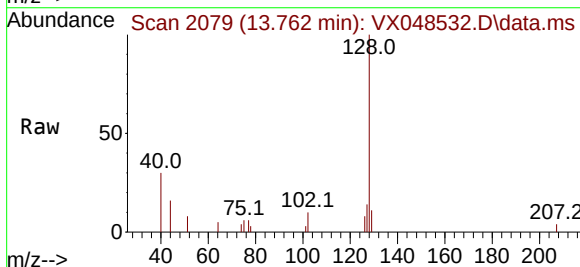
Instrument :
MSVOA_X
ClientSampleId :

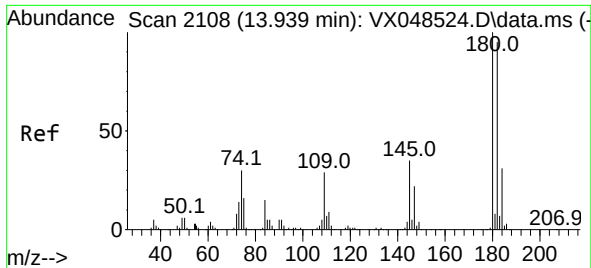
Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.3	30.6	92.0
227	53.7	32.5	97.4



#95
Naphthalene
Concen: 0.288 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048532.D
Acq: 10 Nov 2025 12:37

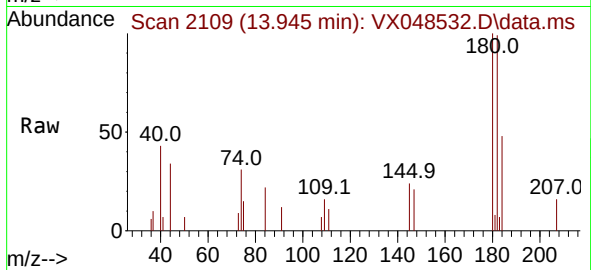
Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.1	15.1
129	9.0	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.396 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX048532.D
 Acq: 10 Nov 2025 12:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1358
Ion	Ratio	Lower	Upper
180	100		
182	113.3	47.3	142.0
145	28.7	16.7	50.0

