

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
 Data File : VX048635.D
 Acq On : 20 Nov 2025 14:09
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Nov 21 00:33:10 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)

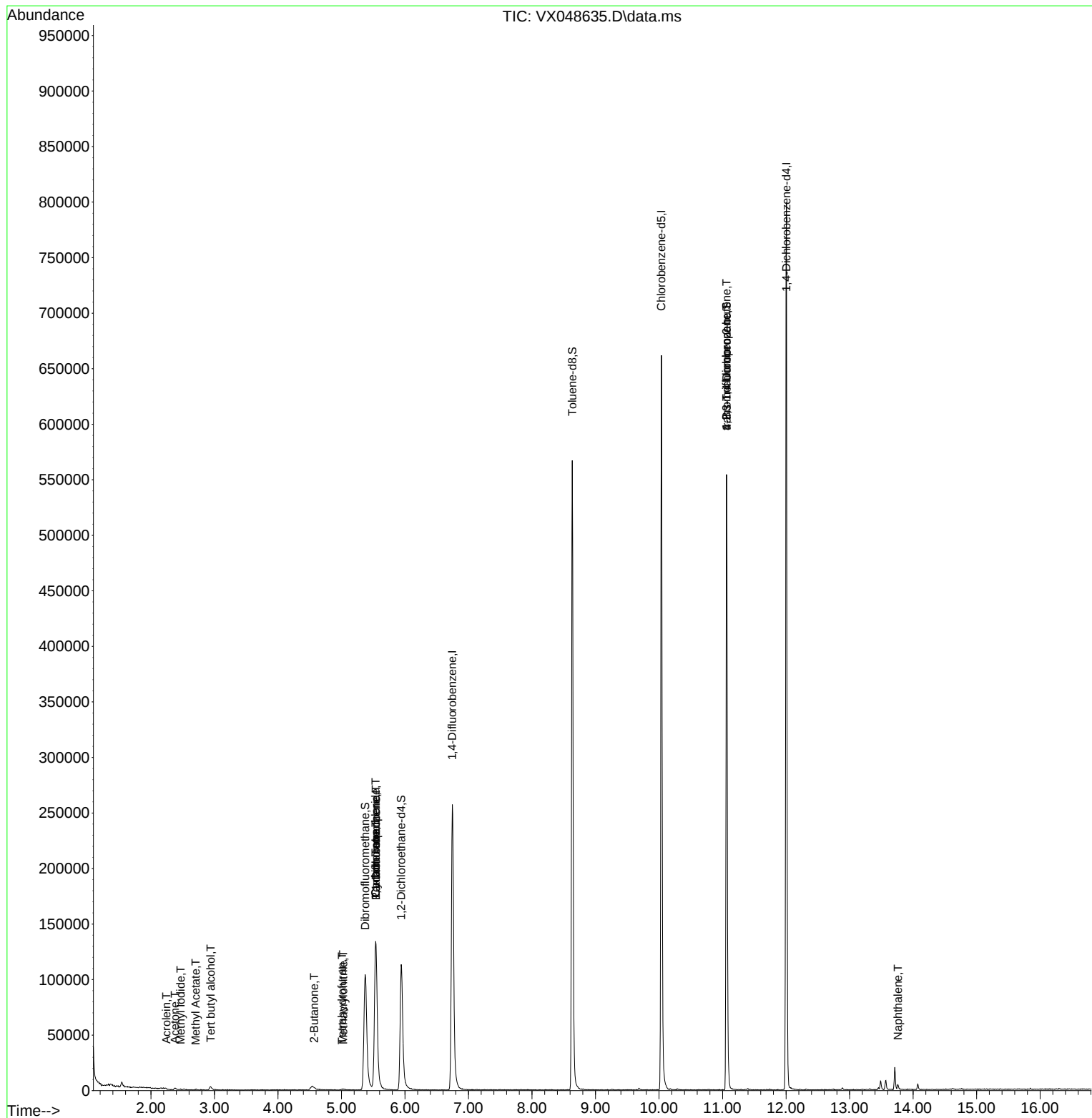
Internal Standards						
1) Pentafluorobenzene	5.543	168	142249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	288040	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	170056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	126609	63.875	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 127.760%#			
35) Dibromofluoromethane	5.373	113	106562	48.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	8.634	98	363316	53.435	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.860%			
62) 4-Bromofluorobenzene	11.061	95	162620	64.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 128.360%#			
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	491	0.209	ug/l #	83
11) Tert butyl alcohol	2.940	59	3574	9.516	ug/l	96
13) Acrolein	2.239	56	27	0.497	ug/l #	1
16) Acetone	2.379	43	2036	2.170	ug/l #	80
18) Methyl Acetate	2.703	43	882	0.342	ug/l #	56
25) 2-Butanone	4.568	43	1497	1.079	ug/l #	48
29) Tetrahydrofuran	5.007	42	609	0.615	ug/l #	57
31) Cyclohexane	5.537	56	2928	1.100	ug/l #	17
36) 1,1-Dichloropropene	5.543	75	11468	3.928	ug/l #	49
38) Carbon Tetrachloride	5.537	117	14733	4.434	ug/l #	15
41) Methacrylonitrile	5.025	41	387	0.214	ug/l #	41
76) 1,2,3-Trichloropropane	11.061	75	84550	20.637	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	84550	59.030	ug/l #	12
95) Naphthalene	13.762	128	3066	0.250	ug/l	96

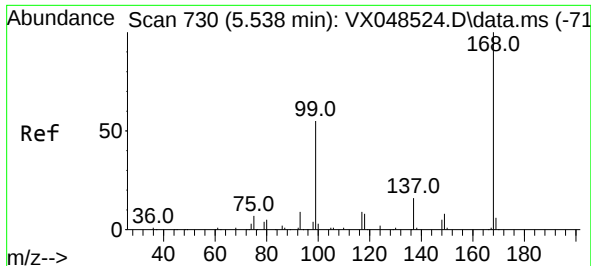
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
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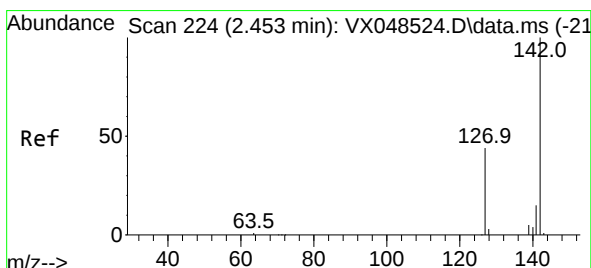
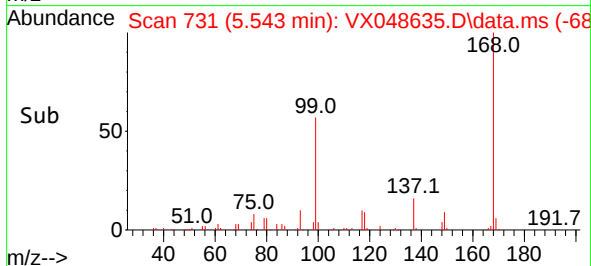
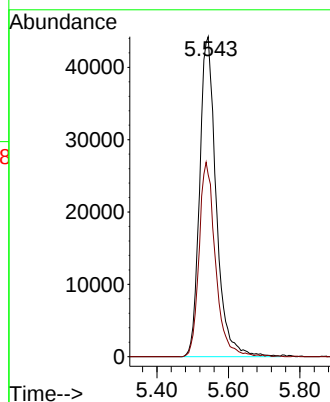
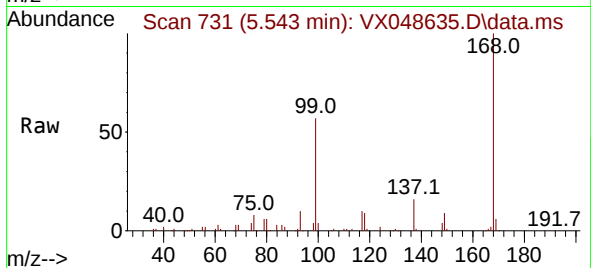




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

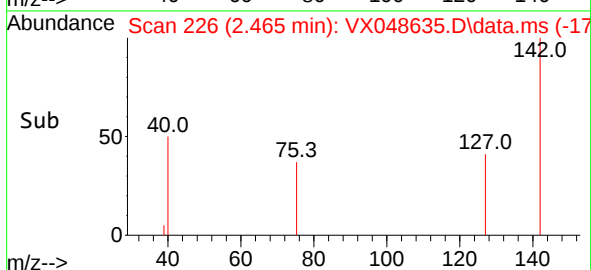
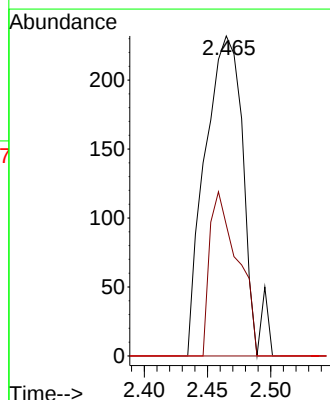
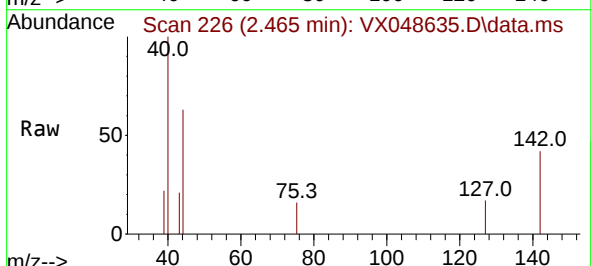
Instrument :
MSVOA_X
ClientSampleId :
IBLK

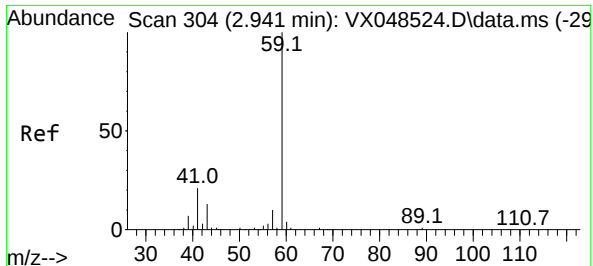
Tgt Ion:168 Resp: 142249
Ion Ratio Lower Upper
168 100
99 56.9 45.2 67.8



#10
Methyl Iodide
Concen: 0.209 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion:142 Resp: 491
Ion Ratio Lower Upper
142 100
127 37.7 35.8 53.6
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 9.516 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX048635.D

Acq: 20 Nov 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

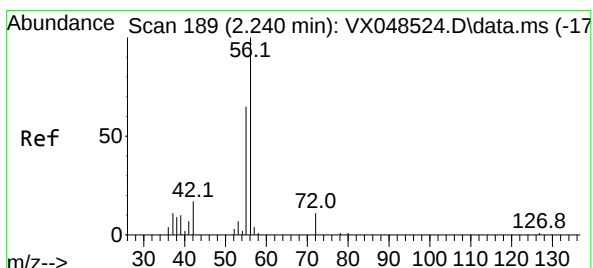
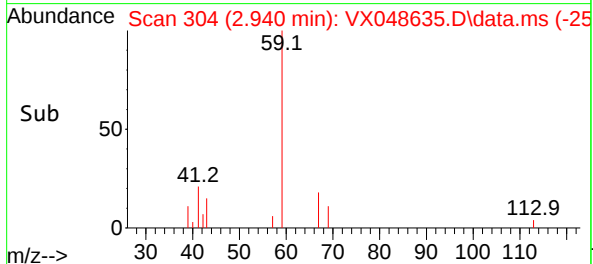
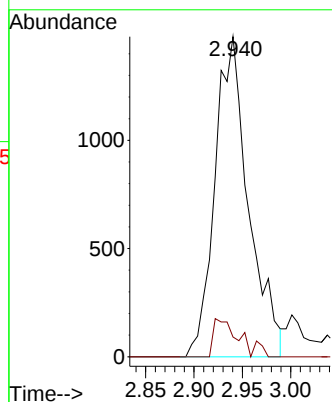
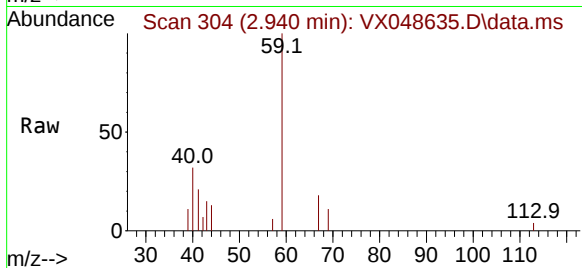
IBLK

Tgt Ion: 59 Resp: 3574

Ion Ratio Lower Upper

59 100

57 9.2 8.6 13.0



#13

Acrolein

Concen: 0.497 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX048635.D

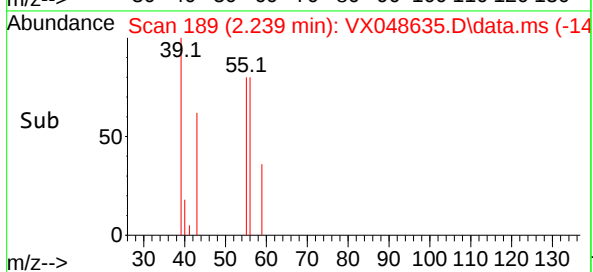
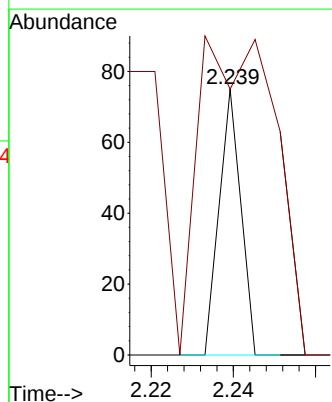
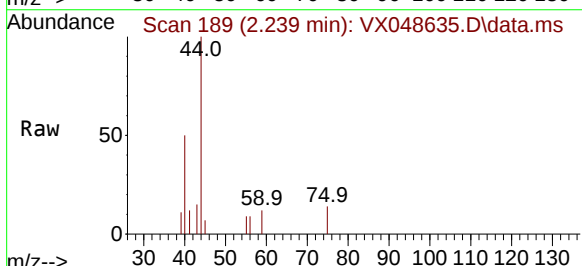
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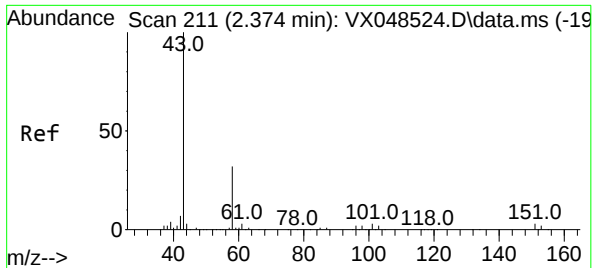
Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 429.6 54.9 82.3#

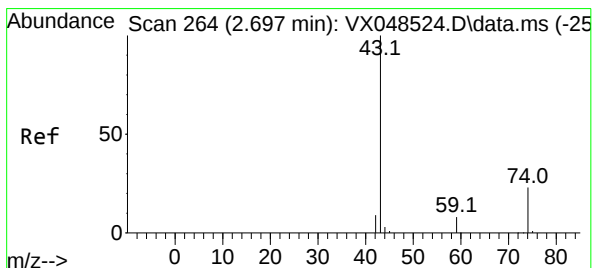
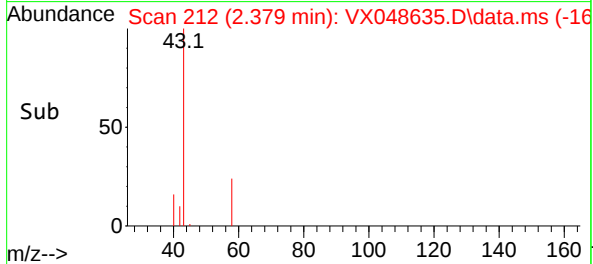
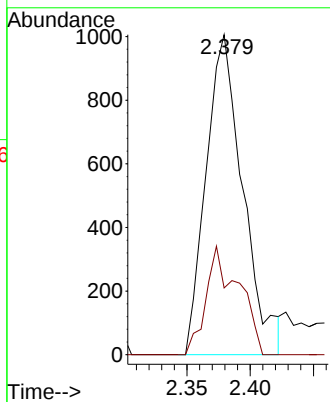
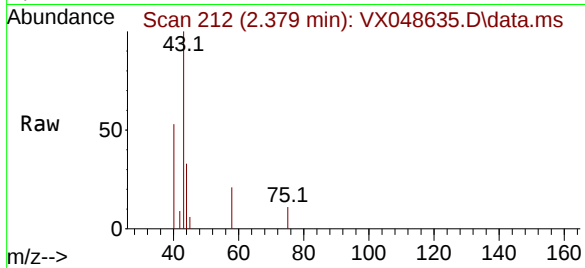




#16
Acetone
Concen: 2.170 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

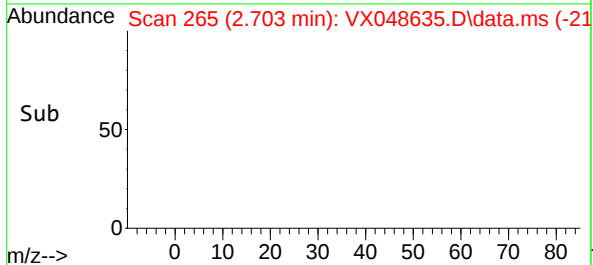
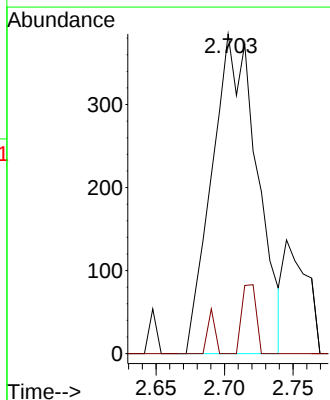
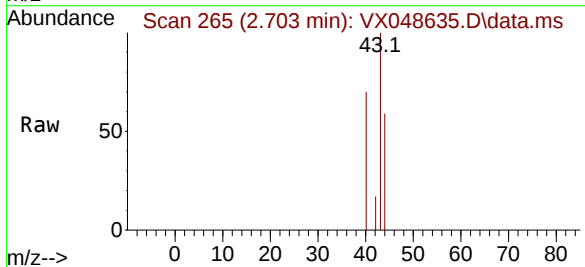
Instrument :
MSVOA_X
ClientSampleId :
IBLK

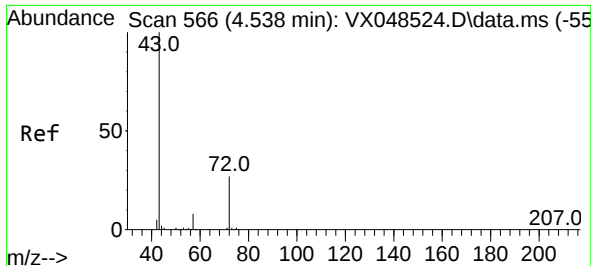
Tgt Ion: 43 Resp: 2036
Ion Ratio Lower Upper
43 100
58 20.9 25.8 38.6#



#18
Methyl Acetate
Concen: 0.342 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion: 43 Resp: 882
Ion Ratio Lower Upper
43 100
74 2.3 19.1 28.7#





#25

2-Butanone

Concen: 1.079 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX048635.D

Acq: 20 Nov 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

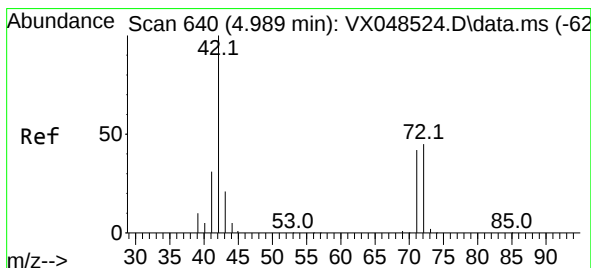
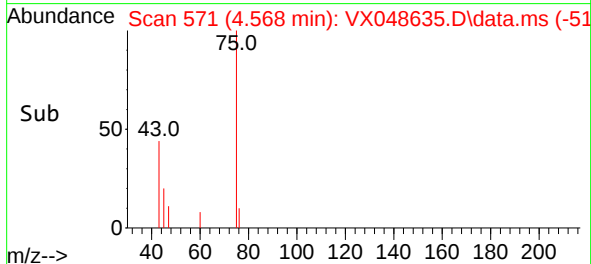
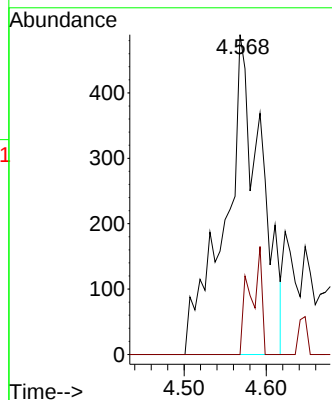
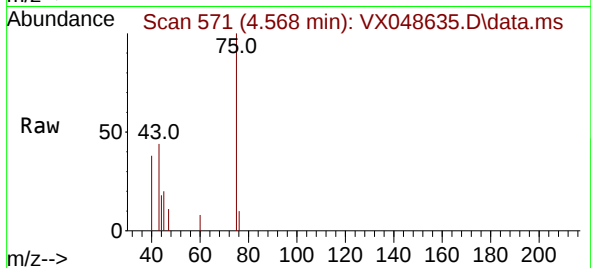
IBLK

Tgt Ion: 43 Resp: 1497

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.615 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX048635.D

Acq: 20 Nov 2025 14:09

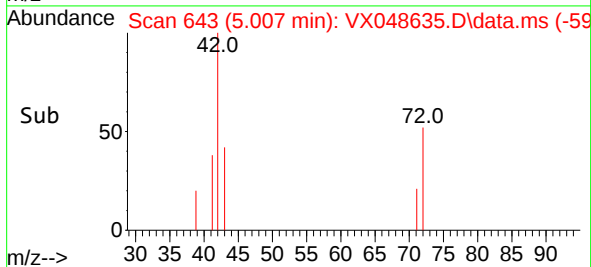
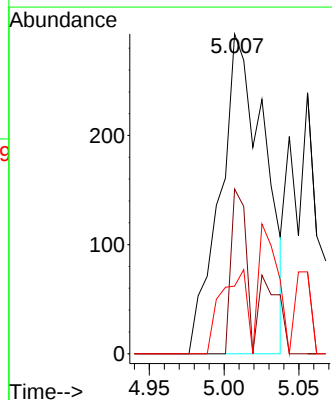
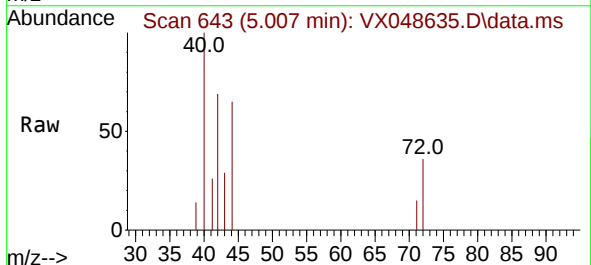
Tgt Ion: 42 Resp: 609

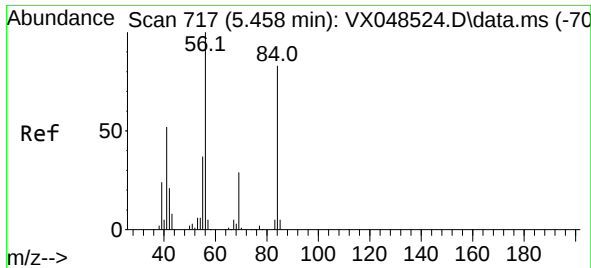
Ion Ratio Lower Upper

42 100

72 17.2 36.3 54.5#

71 14.9 34.1 51.1#

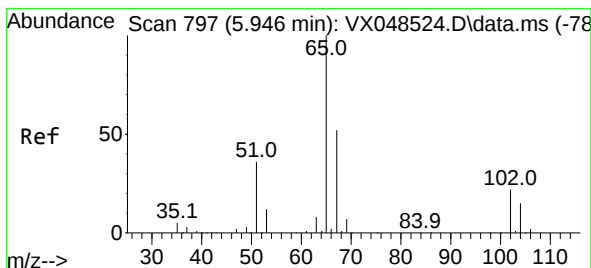
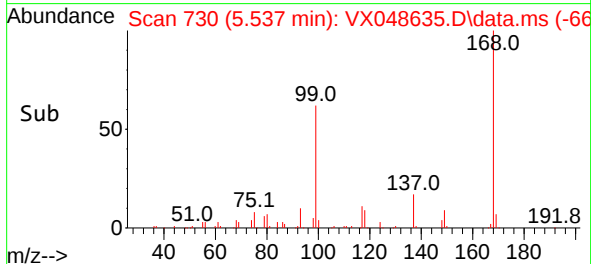
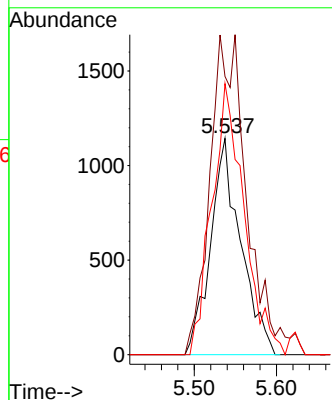
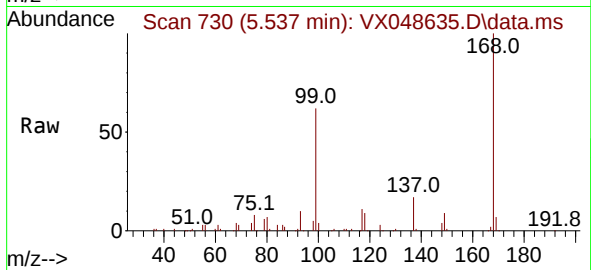




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

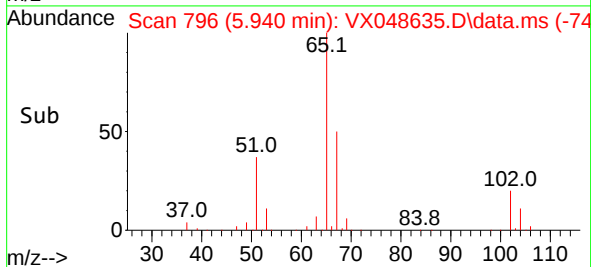
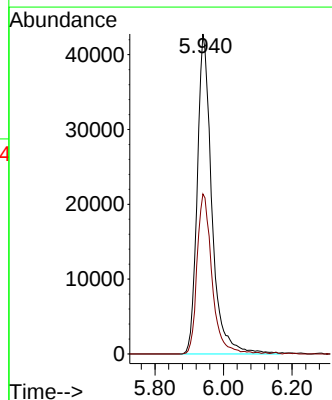
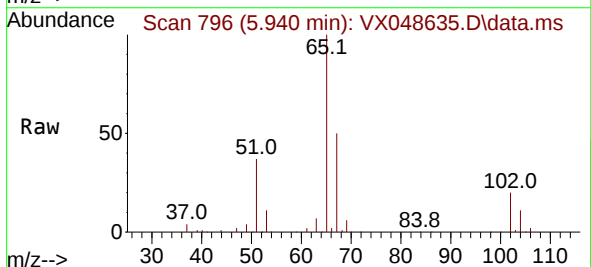
Instrument :
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ClientSampleId :
IBLK

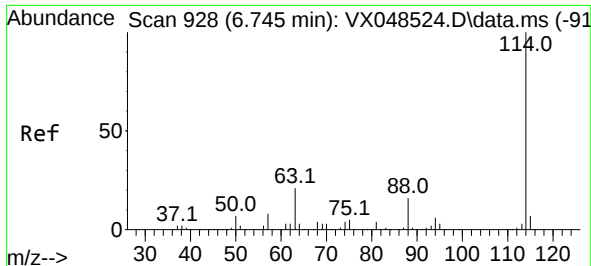
Tgt Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 128.6 23.4 35.2#
84 125.3 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 63.875 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion: 65 Resp: 126609
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2

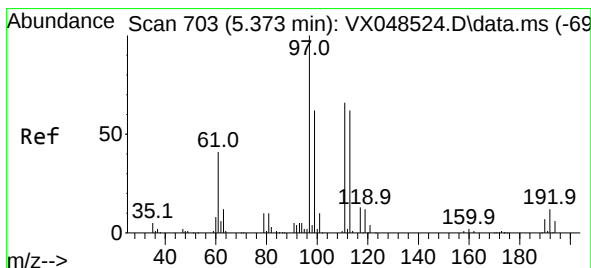
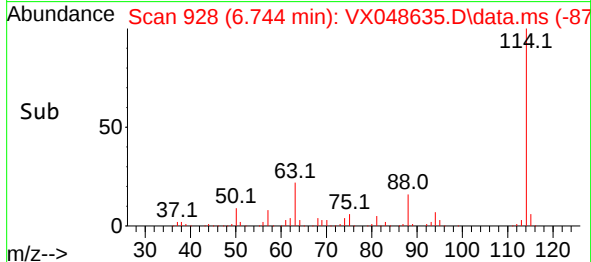
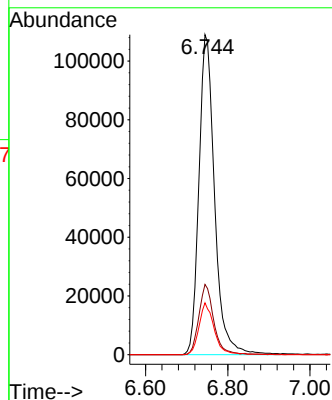
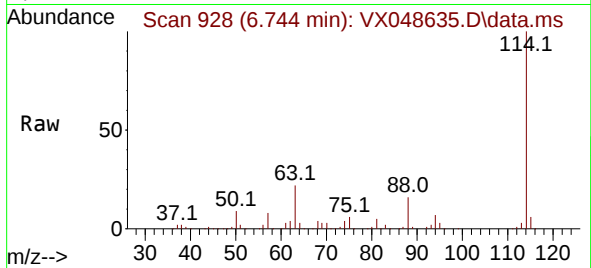




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

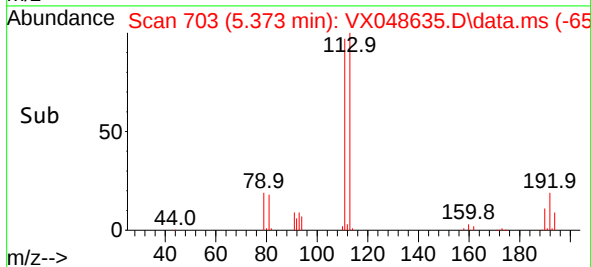
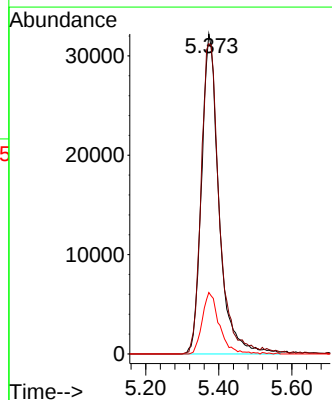
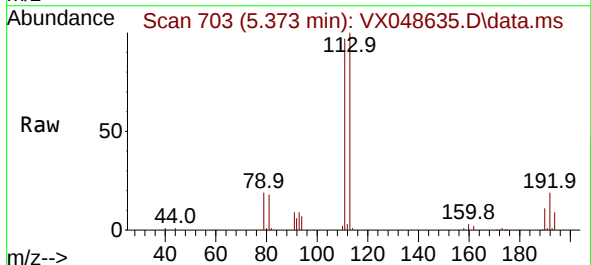
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MSVOA_X
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IBLK

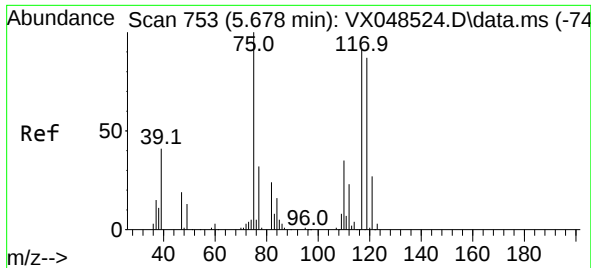
Tgt Ion:114 Resp: 288040
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.2
88 16.2 0.0 32.2



#35
Dibromofluoromethane
Concen: 48.880 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion:113 Resp: 106562
Ion Ratio Lower Upper
113 100
111 100.9 81.9 122.9
192 18.9 15.8 23.6

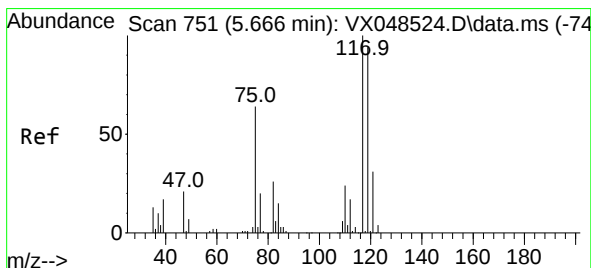
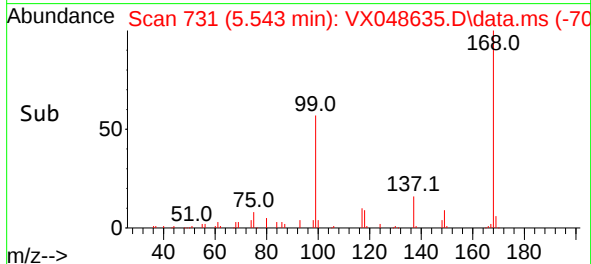
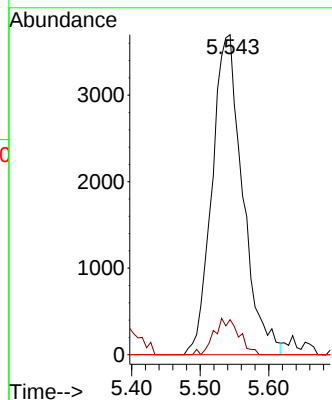
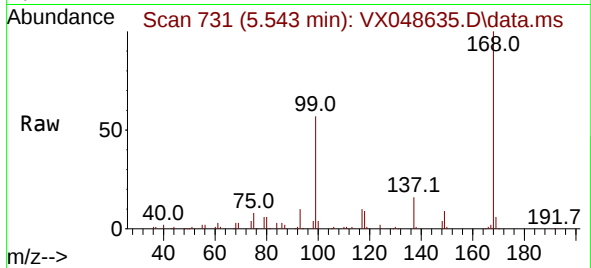




#36
1,1-Dichloropropene
Concen: 3.928 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

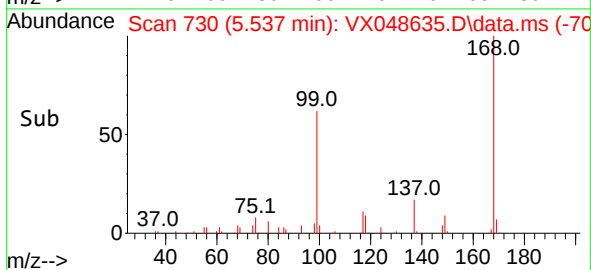
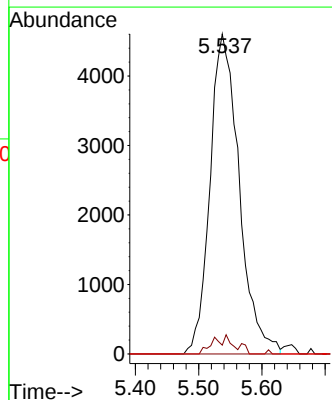
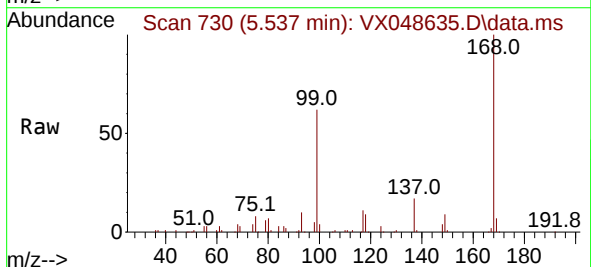
Instrument :
MSVOA_X
ClientSampleId :
IBLK

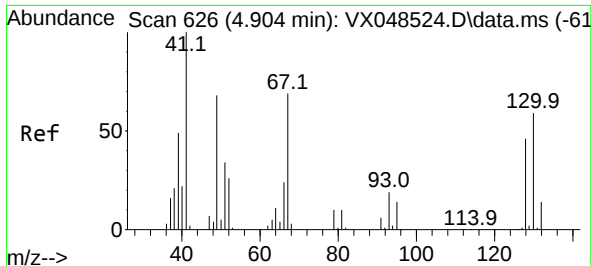
Tgt Ion: 75 Resp: 11468
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.434 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion: 117 Resp: 14733
Ion Ratio Lower Upper
117 100
119 2.8 74.5 111.7#
121 0.0 24.8 37.2#

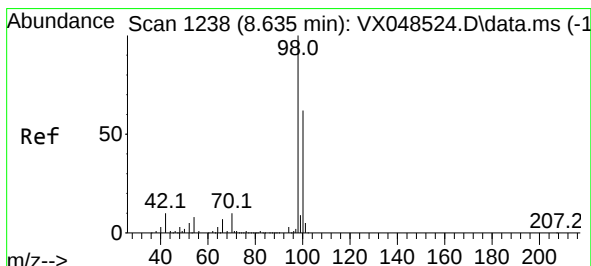
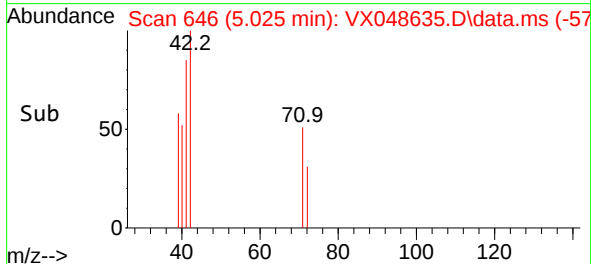
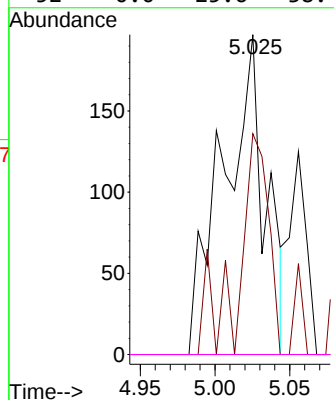
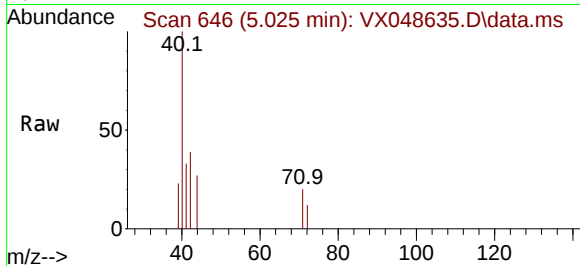




#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.122 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

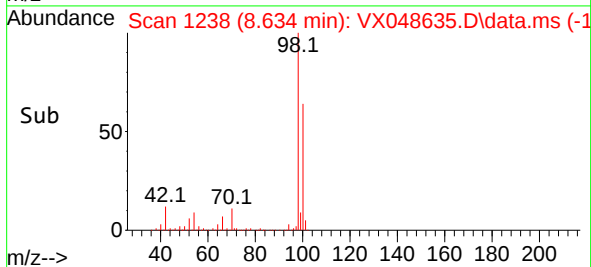
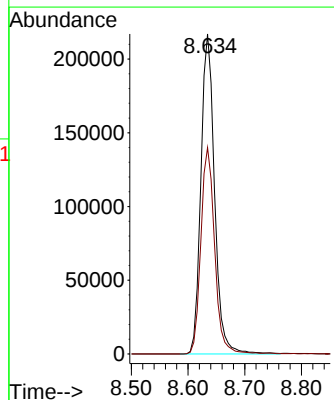
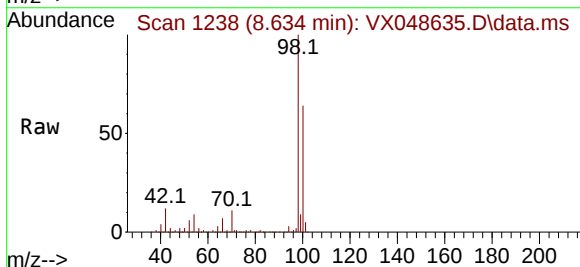
Instrument :
MSVOA_X
ClientSampleId :
IBLK

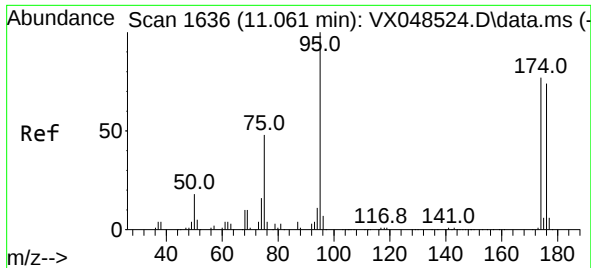
Tgt Ion: 41 Resp: 387
Ion Ratio Lower Upper
41 100
39 43.2 41.1 61.7
67 0.0 64.2 96.2#
52 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 53.435 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion: 98 Resp: 363316
Ion Ratio Lower Upper
98 100
100 64.9 53.6 80.4





#62

4-Bromofluorobenzene

Concen: 64.179 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048635.D

Acq: 20 Nov 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IBLK

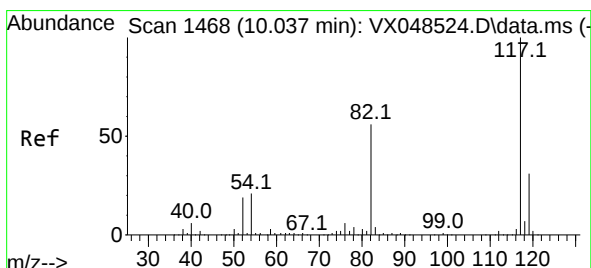
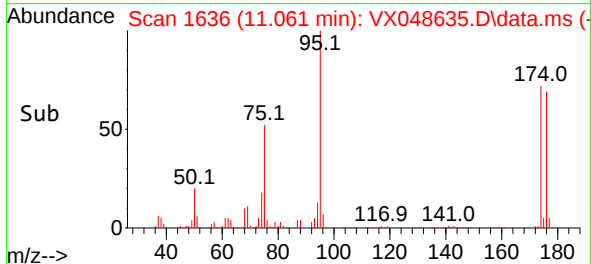
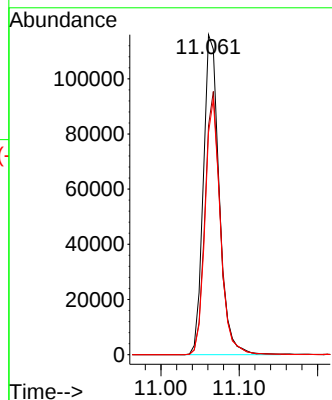
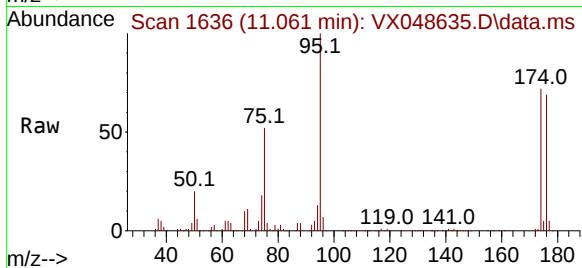
Tgt Ion: 95 Resp: 162620

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.8

176 77.3 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: VX048635.D

Acq: 20 Nov 2025 14:09

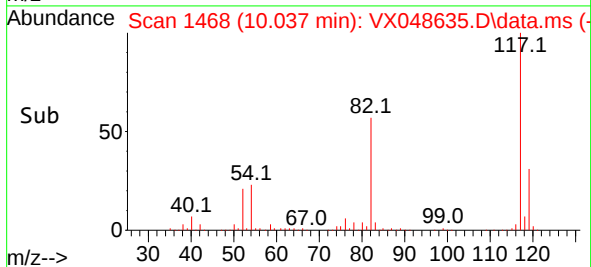
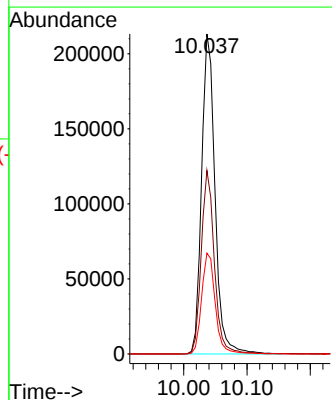
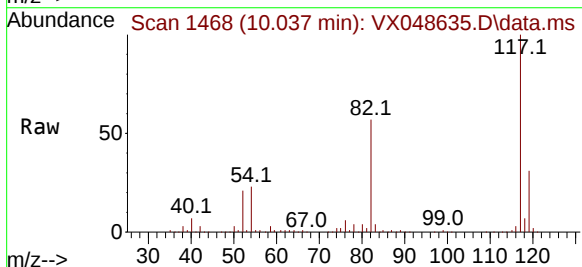
Tgt Ion: 117 Resp: 314669

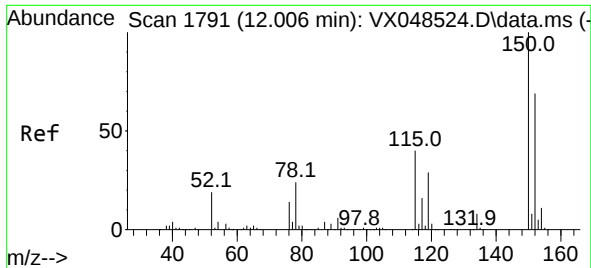
Ion Ratio Lower Upper

117 100

82 57.3 44.4 66.6

119 31.5 25.1 37.7

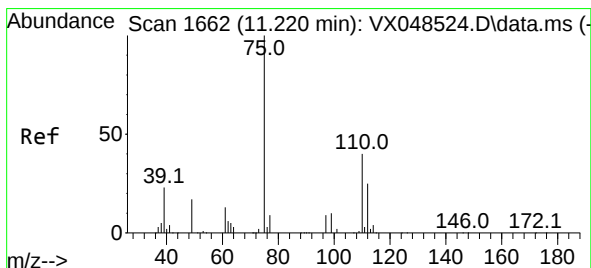
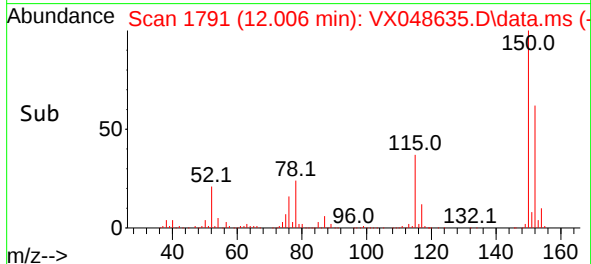
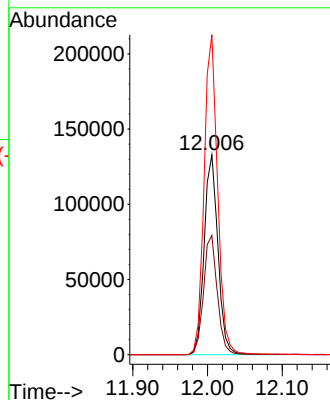
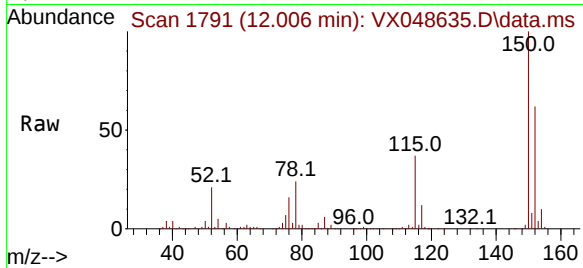




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048635.D
 Acq: 20 Nov 2025 14:09

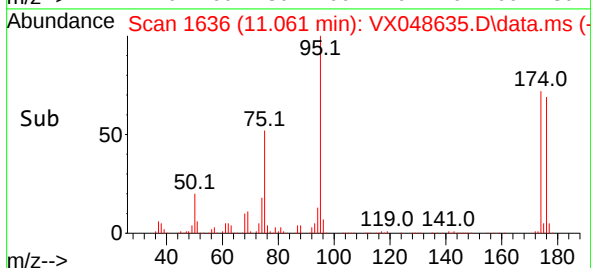
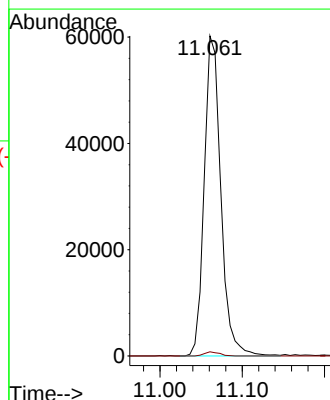
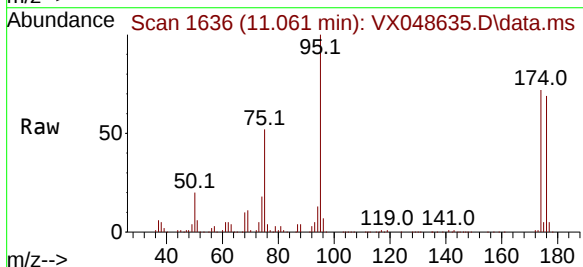
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

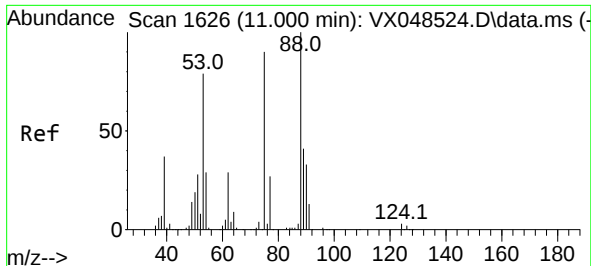
Tgt Ion:152 Resp: 170056
 Ion Ratio Lower Upper
 152 100
 115 59.6 39.2 117.6
 150 157.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.637 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048635.D
 Acq: 20 Nov 2025 14:09

Tgt Ion: 75 Resp: 84550
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 72.8#

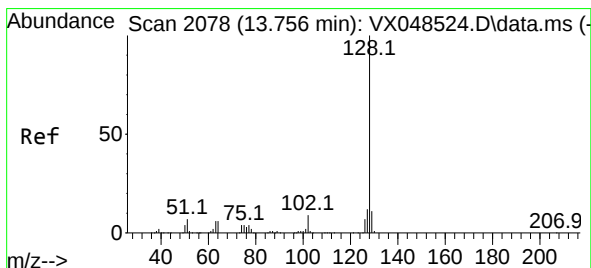
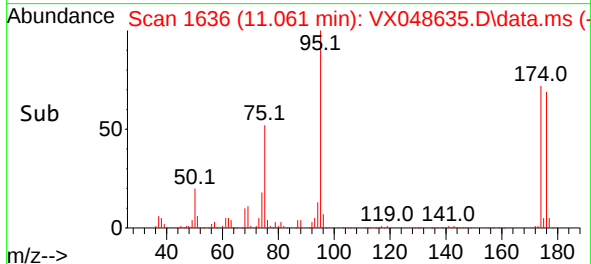
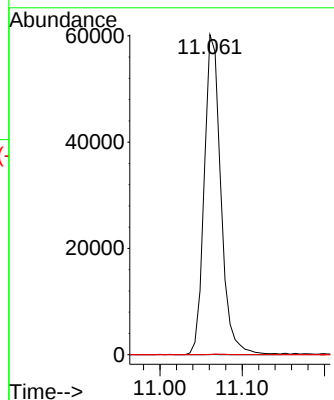
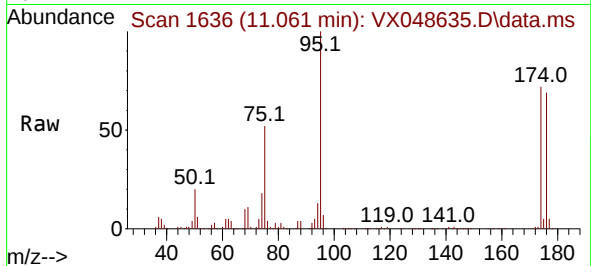




#81
trans-1,4-Dichloro-2-butene
Concen: 59.030 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 84550
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.1 43.6 65.4#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048635.D
Acq: 20 Nov 2025 14:09

Tgt Ion: 128 Resp: 3066
Ion Ratio Lower Upper
128 100
127 14.5 10.1 15.1
129 11.7 8.7 13.1

