

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048352.D
 Acq On : 24 Oct 2025 15:28
 Operator : JC/MD
 Sample : Q3464-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

Quant Time: Oct 24 23:05:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

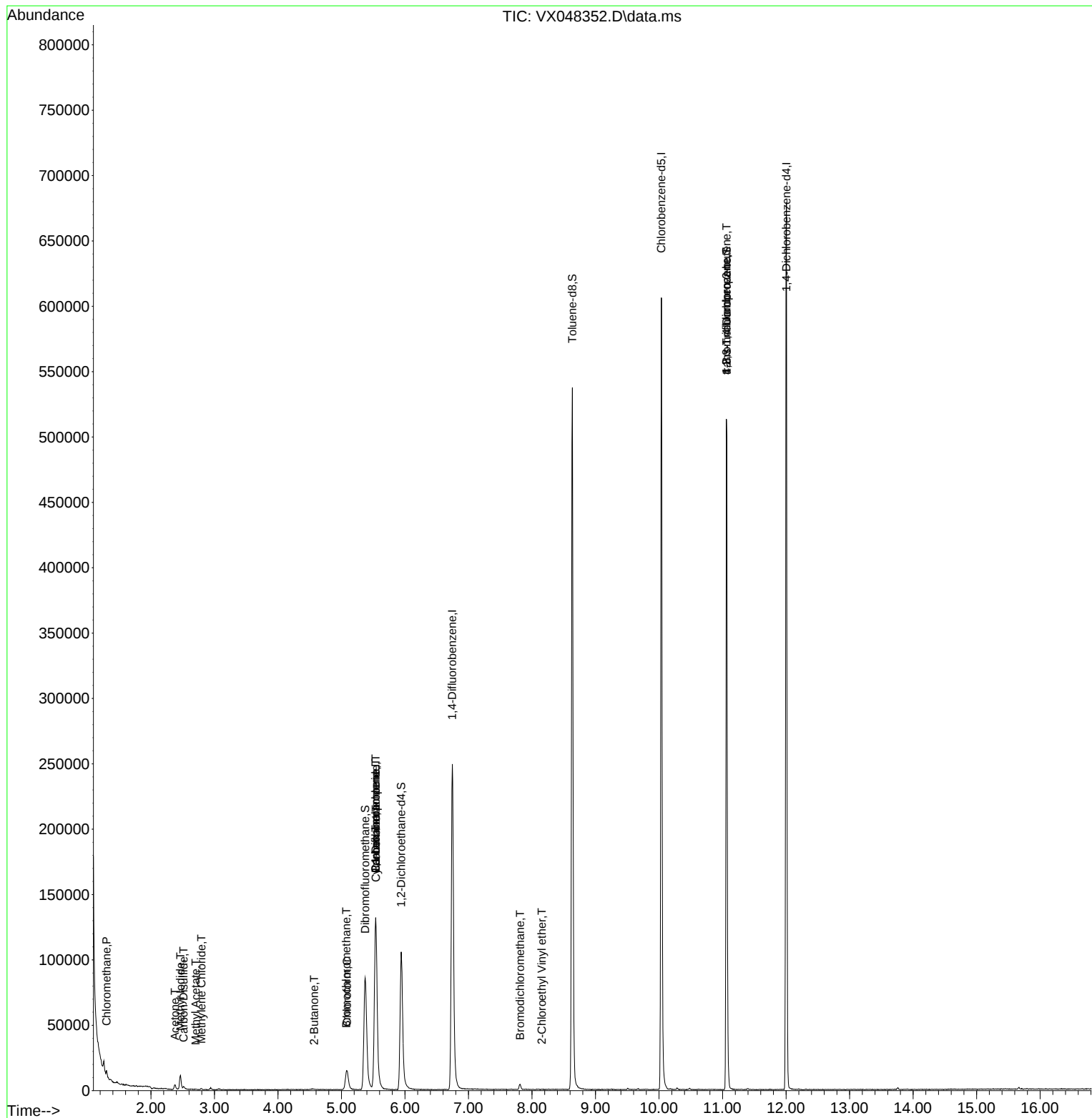
Internal Standards						
1) Pentafluorobenzene	5.538	168	129906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	264454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	116702	64.074	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 128.140%#	
35) Dibromofluoromethane	5.373	113	84364	46.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.460%	
50) Toluene-d8	8.635	98	332386	52.525	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	11.061	95	141517	58.784	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.560%	
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	2718	2.180	ug/l	98
10) Methyl Iodide	2.465	142	12701	7.207	ug/l	99
16) Acetone	2.380	43	5340	8.546	ug/l #	84
17) Carbon Disulfide	2.514	76	1820	0.423	ug/l	100
18) Methyl Acetate	2.703	43	623	0.477	ug/l #	54
20) Methylene Chloride	2.794	84	322	0.211	ug/l #	47
25) 2-Butanone	4.568	43	446	0.564	ug/l #	50
28) Bromochloromethane	5.074	49	1566	1.383	ug/l #	15
30) Chloroform	5.087	83	20100	6.889	ug/l	95
31) Cyclohexane	5.544	56	3221	1.425	ug/l #	27
36) 1,1-Dichloropropene	5.538	75	11411	4.447	ug/l #	46
38) Carbon Tetrachloride	5.538	117	14166	4.475	ug/l #	16
47) Bromodichloromethane	7.812	83	2970	0.997	ug/l	87
58) 2-Chloroethyl Vinyl ether	8.153	63	173	1.822	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	76820	34.262	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	76820	83.358	ug/l #	10

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

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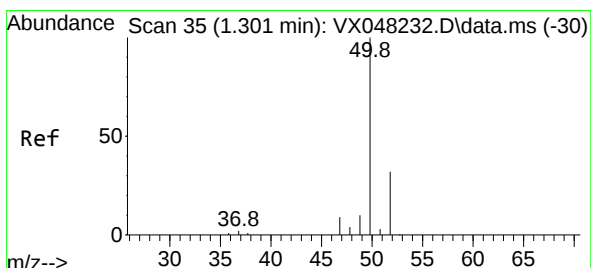
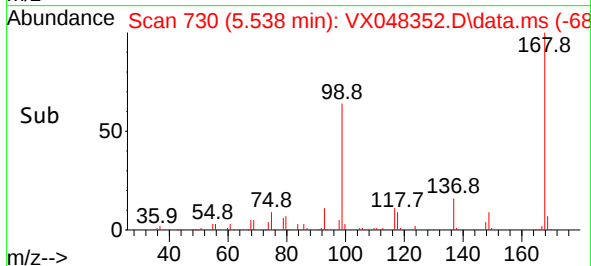
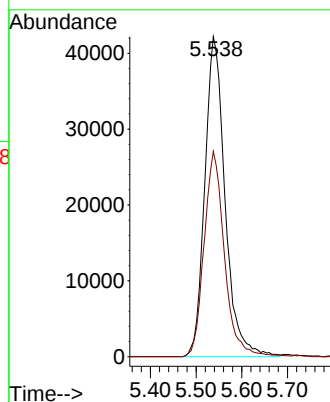
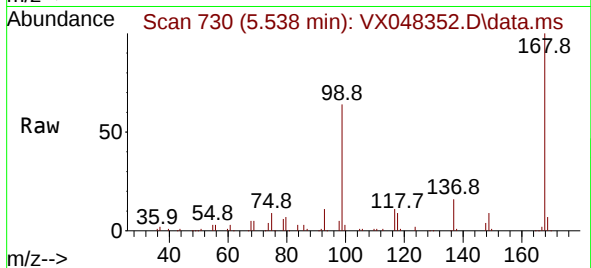




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

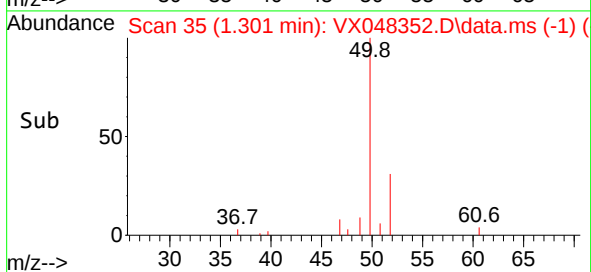
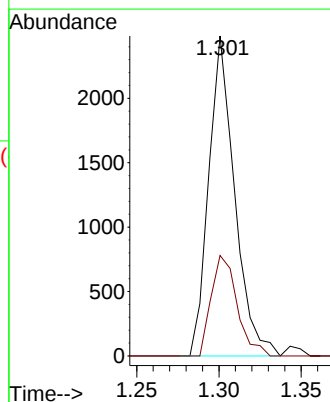
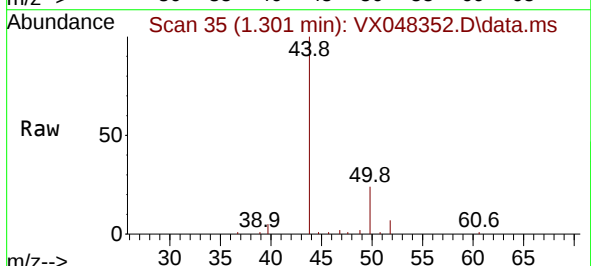
Instrument :
MSVOA_X
ClientSampleId :
MW3

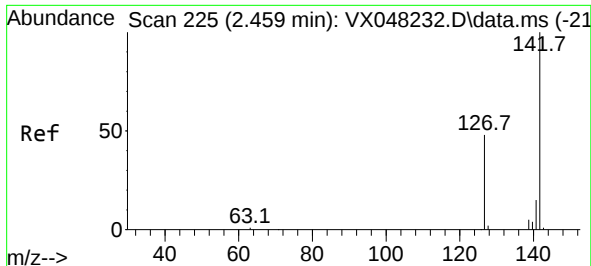
Tgt Ion:168 Resp: 129906
Ion Ratio Lower Upper
168 100
99 64.1 46.4 69.6



#3
Chloromethane
Concen: 2.180 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 50 Resp: 2718
Ion Ratio Lower Upper
50 100
52 31.4 25.9 38.9

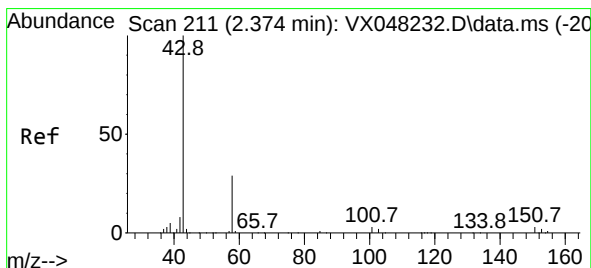
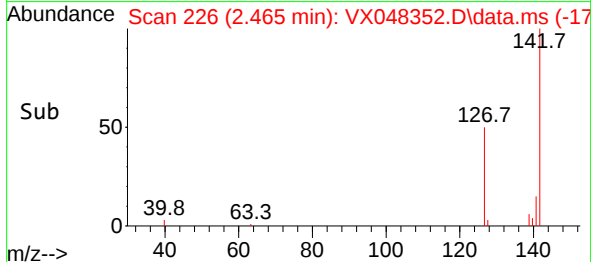
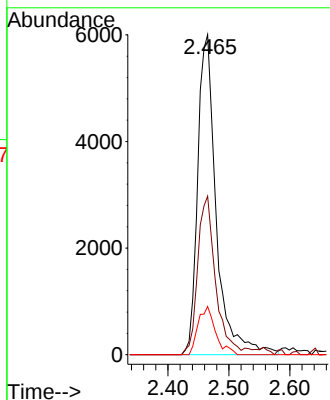
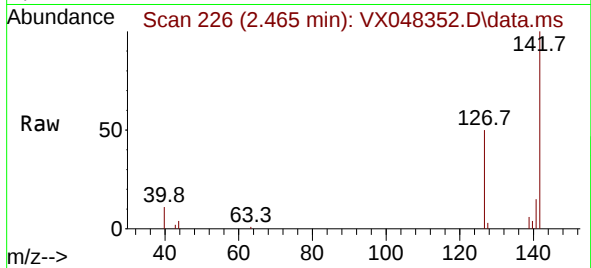




#10
Methyl Iodide
Concen: 7.207 ug/l
RT: 2.465 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

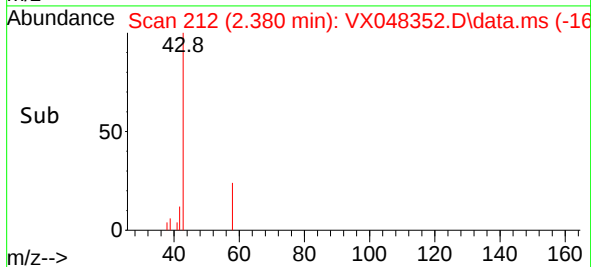
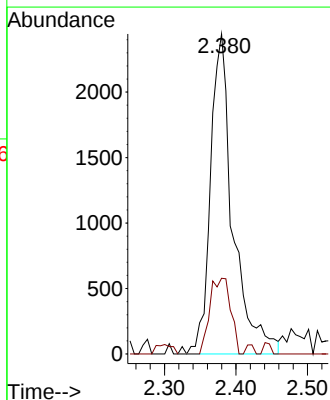
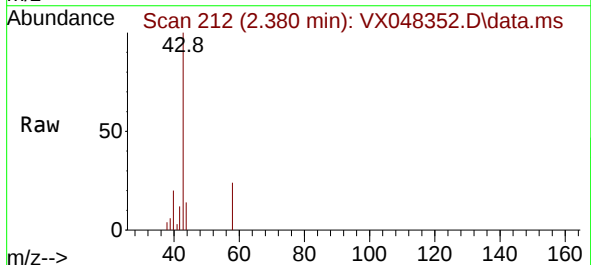
Instrument :
MSVOA_X
ClientSampleId :
MW3

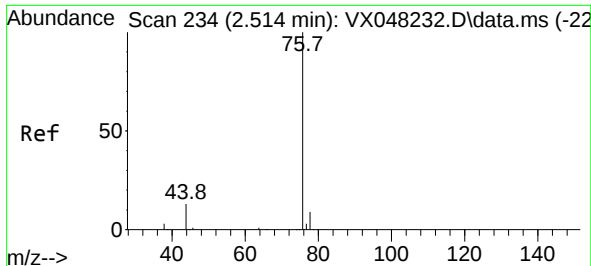
Tgt Ion:142 Resp: 12701
Ion Ratio Lower Upper
142 100
127 48.4 38.5 57.7
141 14.1 11.6 17.4



#16
Acetone
Concen: 8.546 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 43 Resp: 5340
Ion Ratio Lower Upper
43 100
58 20.8 23.4 35.2#

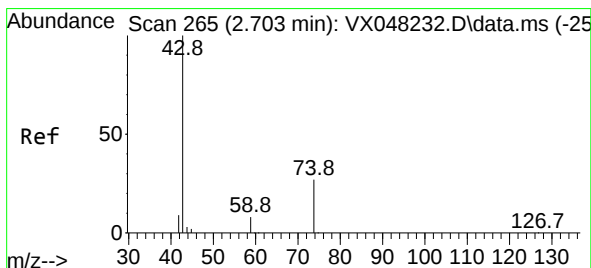
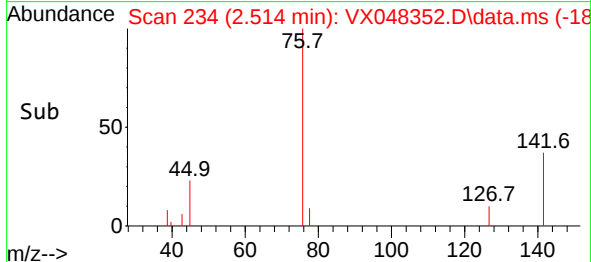
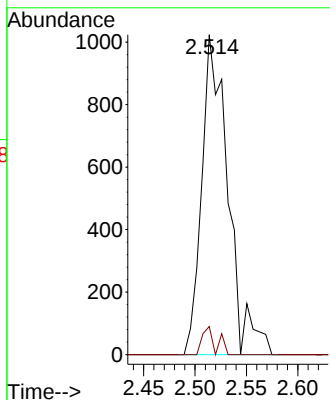
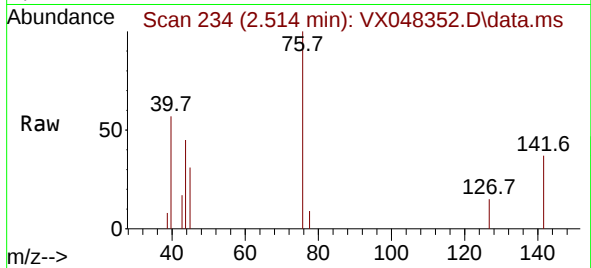




#17
Carbon Disulfide
Concen: 0.423 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

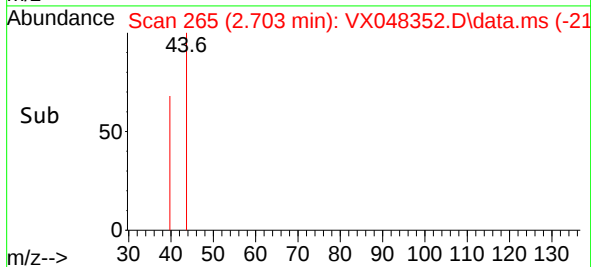
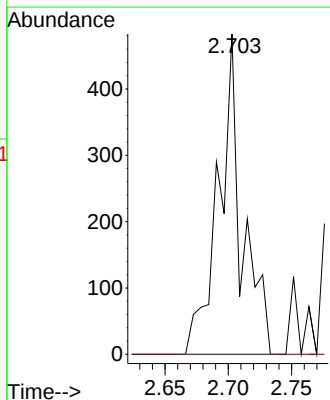
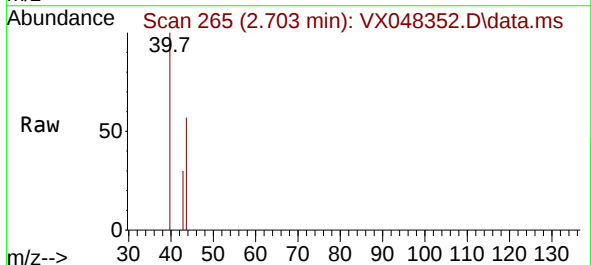
Instrument :
MSVOA_X
ClientSampleId :
MW3

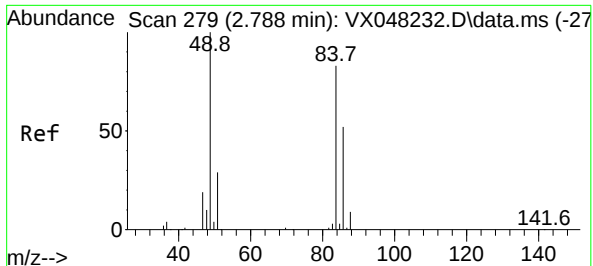
Tgt Ion: 76 Resp: 1820
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

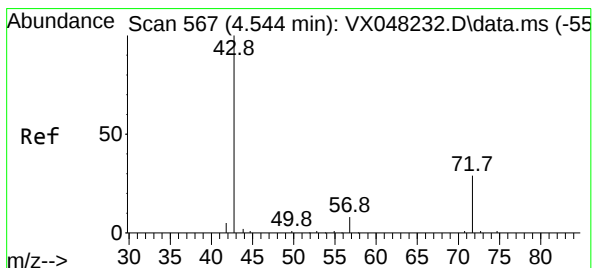
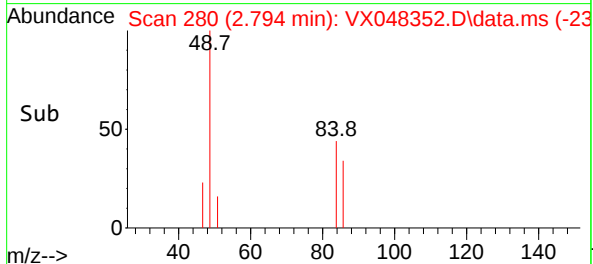
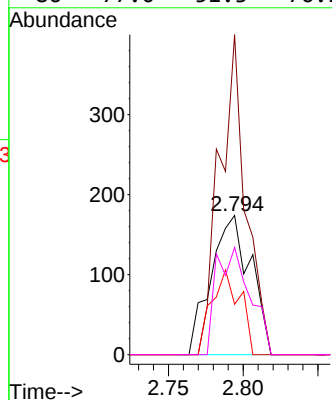
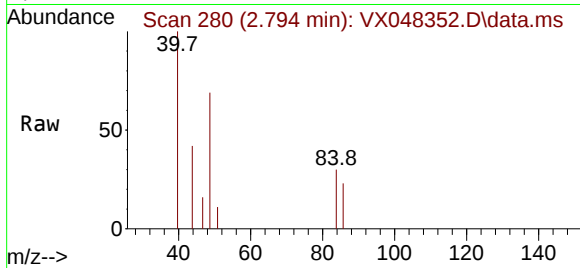




#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

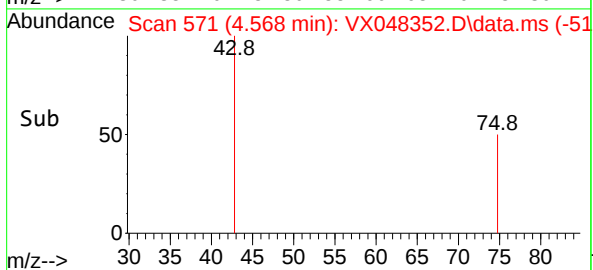
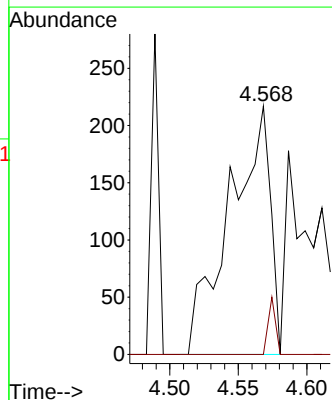
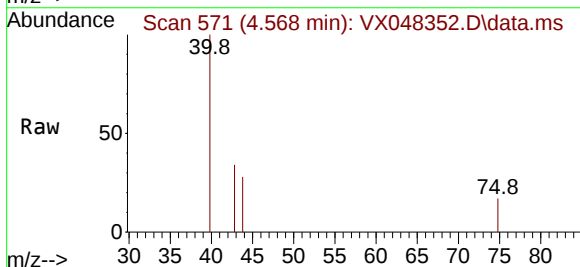
Instrument :
MSVOA_X
ClientSampleId :
MW3

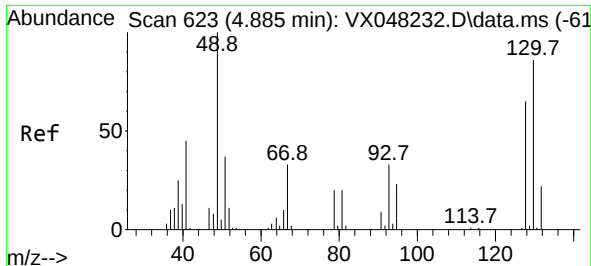
Tgt Ion: 84 Resp: 322
Ion Ratio Lower Upper
84 100
49 229.9 104.1 156.1#
51 36.2 31.3 46.9
86 77.0 51.3 76.9#



#25
2-Butanone
Concen: 0.564 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#28

Bromochloromethane

Concen: 1.383 ug/l

RT: 5.074 min Scan# 61

Delta R.T. 0.189 min

Lab File: VX048352.D

Acq: 24 Oct 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

MW3

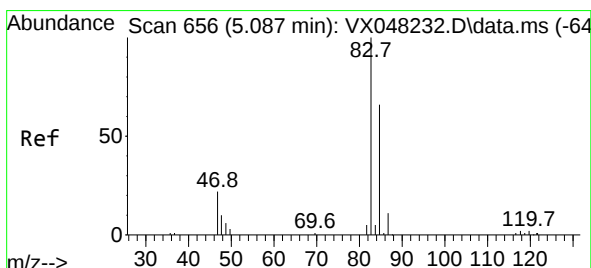
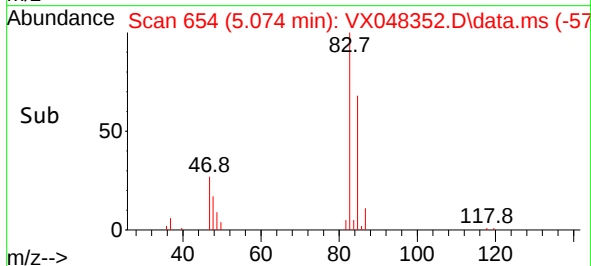
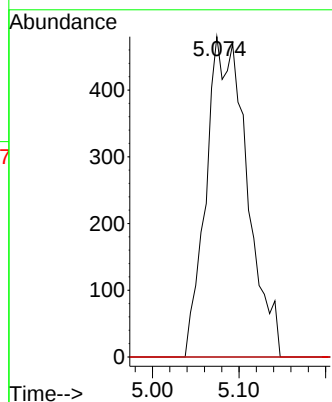
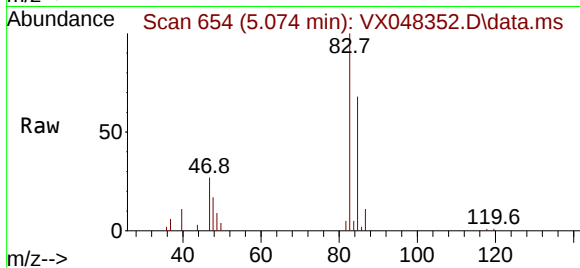
Tgt Ion: 49 Resp: 1566

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 59.3 88.9#



#30

Chloroform

Concen: 6.889 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX048352.D

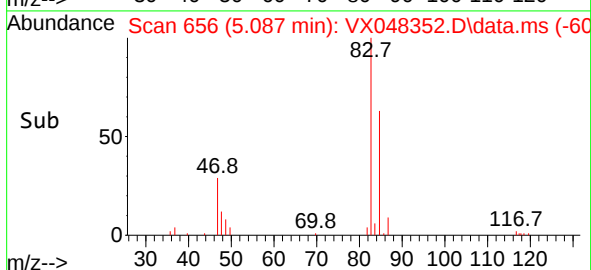
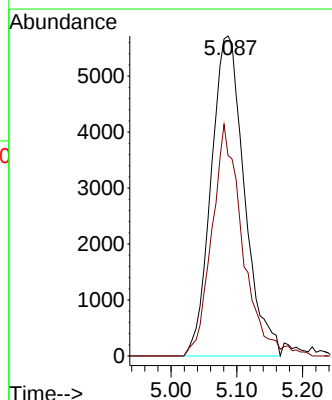
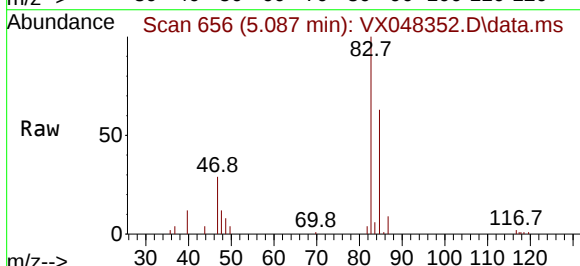
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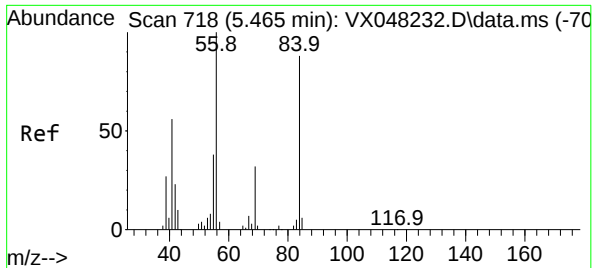
Tgt Ion: 83 Resp: 20100

Ion Ratio Lower Upper

83 100

85 58.8 50.1 75.1

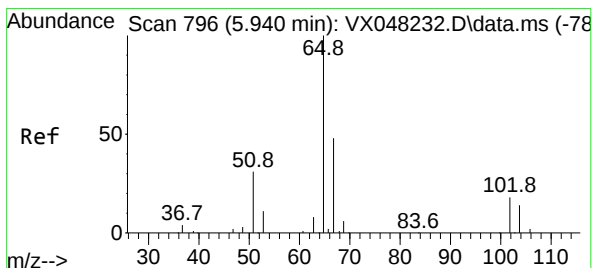
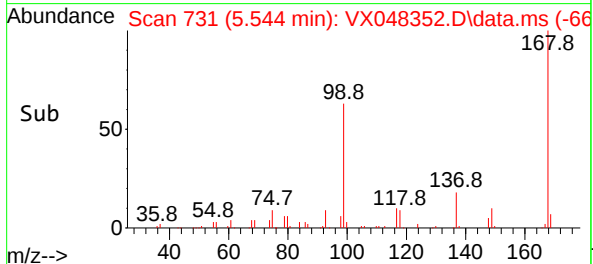
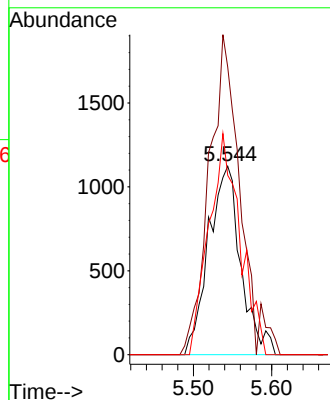
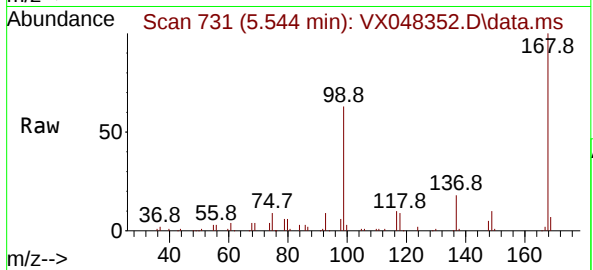




#31
Cyclohexane
Concen: 1.425 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

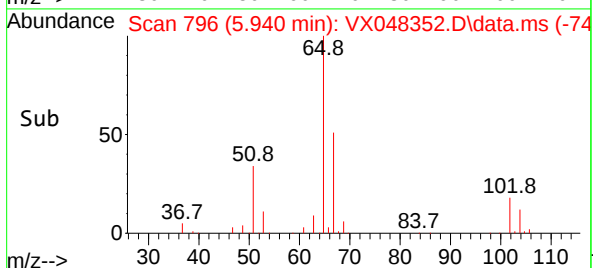
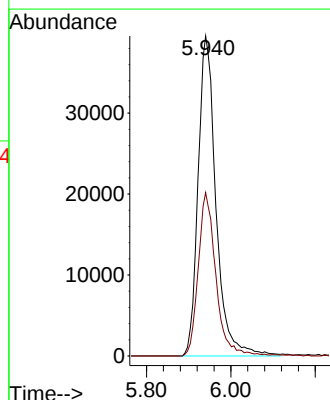
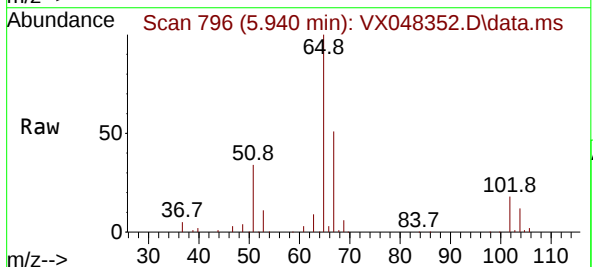
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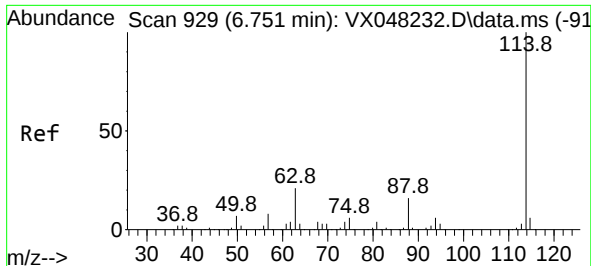
Tgt Ion: 56 Resp: 3221
Ion Ratio Lower Upper
56 100
69 152.6 23.0 34.6#
84 95.2 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 64.074 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 65 Resp: 116702
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.0

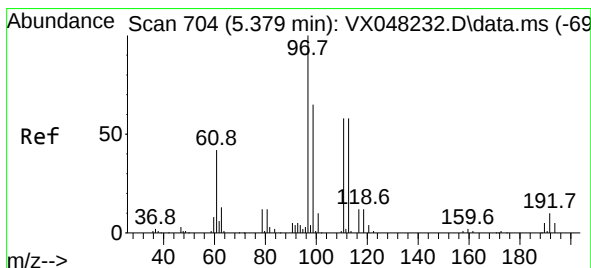
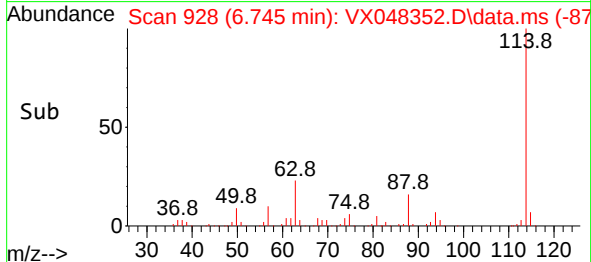
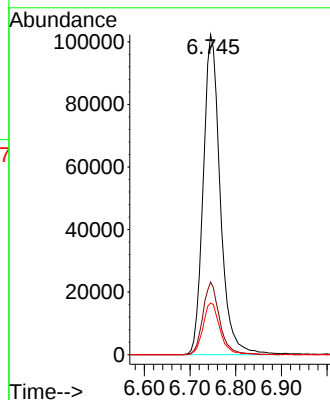
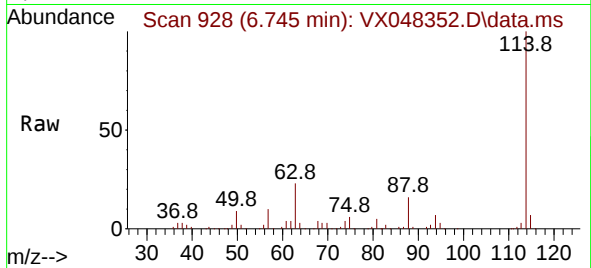




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

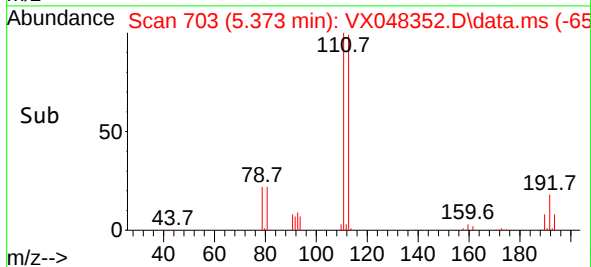
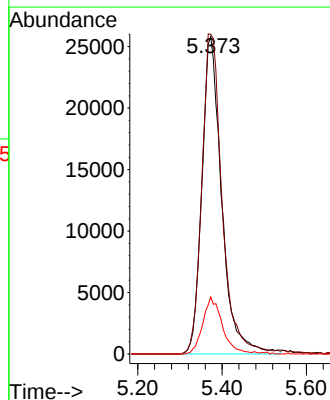
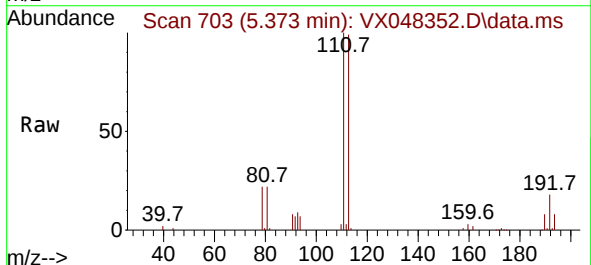
Instrument :
MSVOA_X
ClientSampleId :
MW3

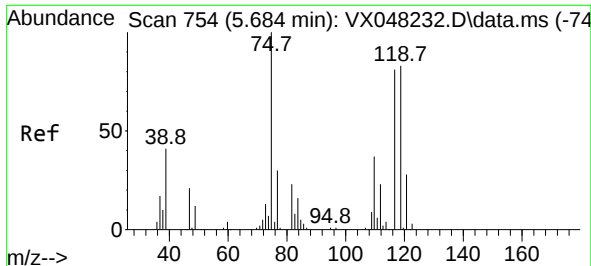
Tgt Ion:114 Resp: 264454
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.2
88 16.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 46.728 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion:113 Resp: 84364
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 17.6 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.447 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX048352.D

Acq: 24 Oct 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

MW3

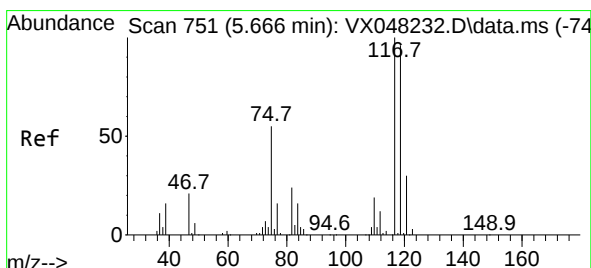
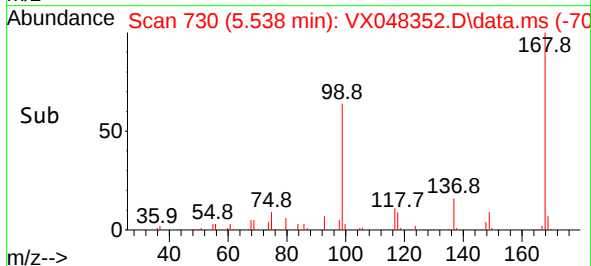
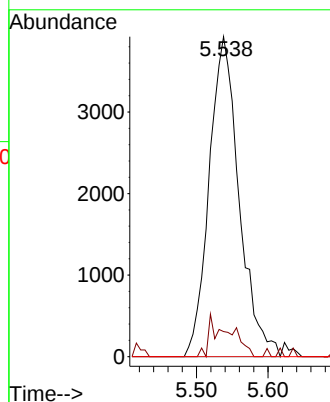
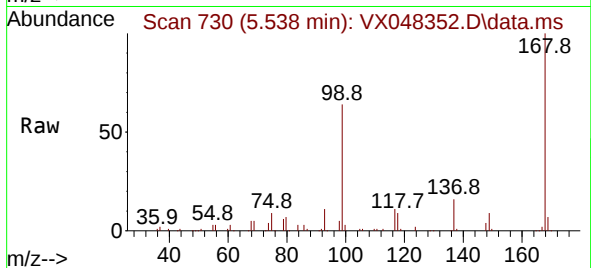
Tgt Ion: 75 Resp: 11411

Ion Ratio Lower Upper

75 100

110 4.8 17.7 53.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.475 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048352.D

Acq: 24 Oct 2025 15:28

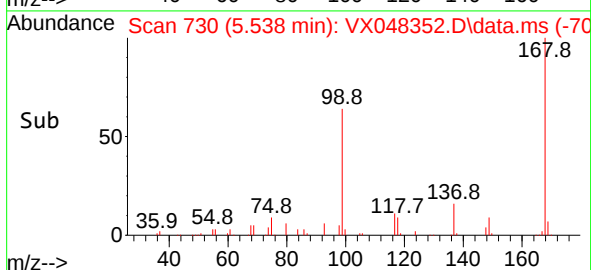
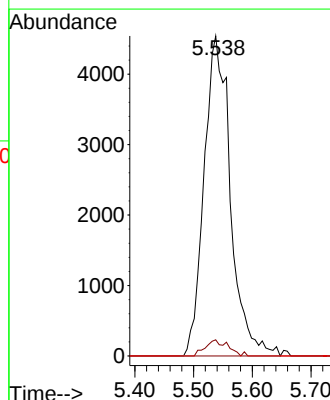
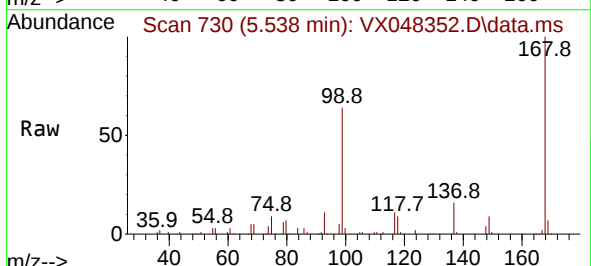
Tgt Ion: 117 Resp: 14166

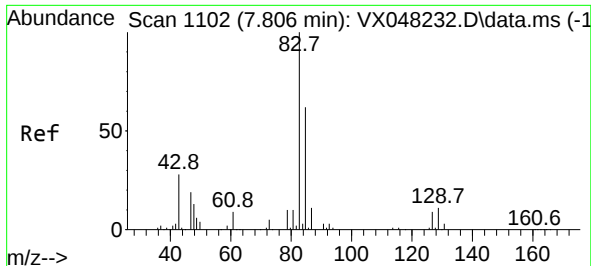
Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

121 0.0 24.8 37.2#

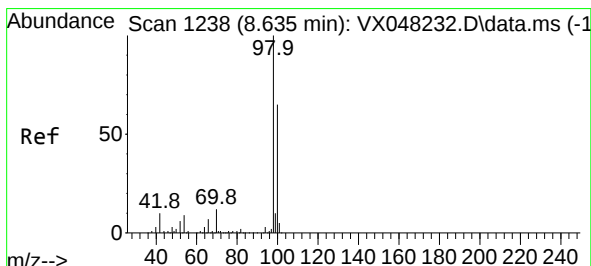
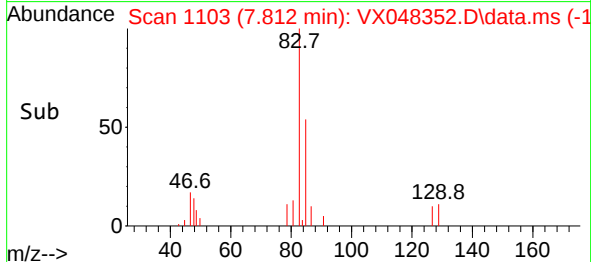
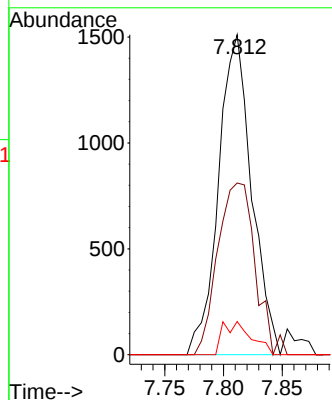
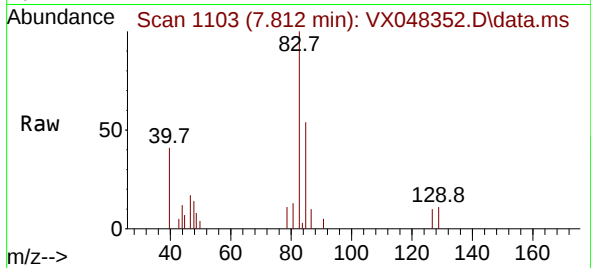




#47
Bromodichloromethane
Concen: 0.997 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

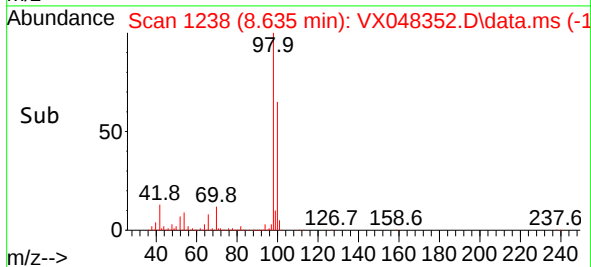
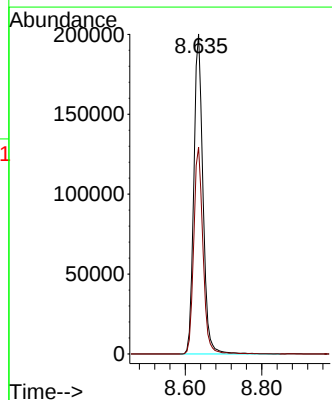
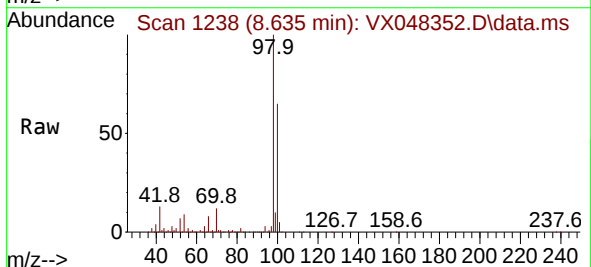
Instrument :
MSVOA_X
ClientSampleId :
MW3

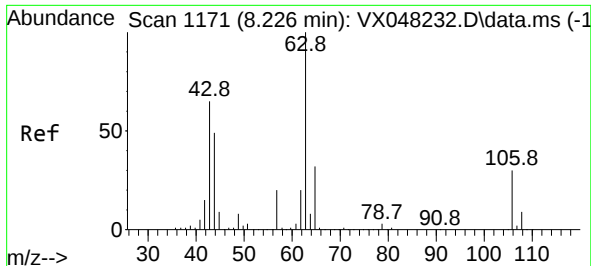
Tgt Ion: 83 Resp: 2970
Ion Ratio Lower Upper
83 100
85 53.7 52.2 78.4
127 10.4 7.3 10.9



#50
Toluene-d8
Concen: 52.525 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 98 Resp: 332386
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4

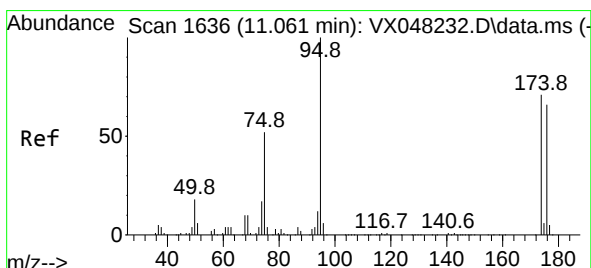
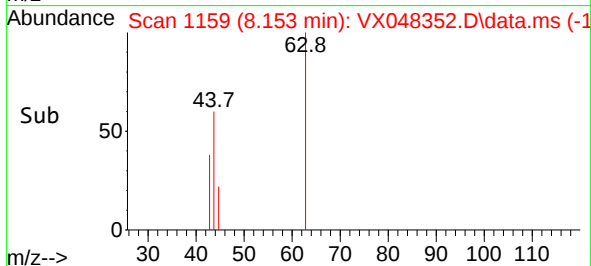
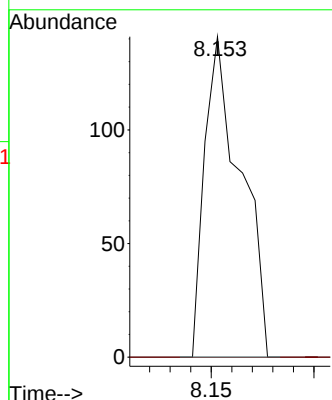
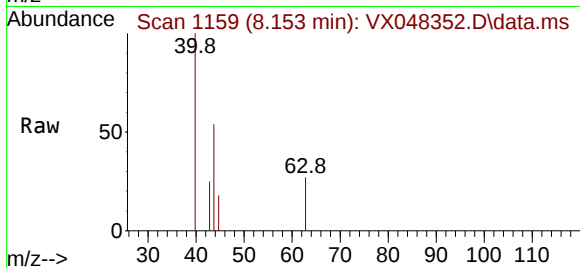




#58
2-Chloroethyl Vinyl ether
Concen: 1.822 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

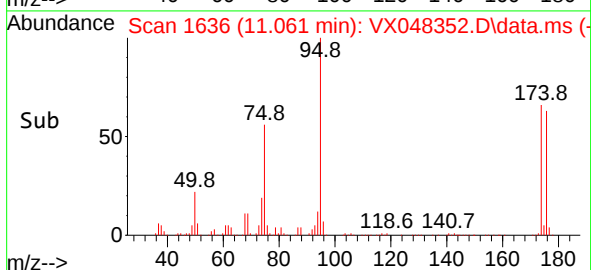
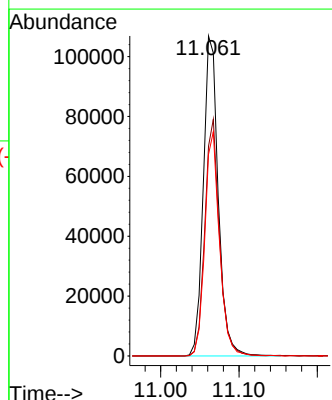
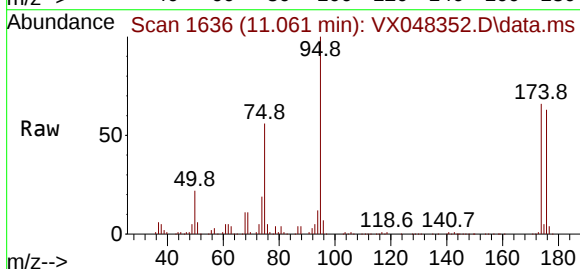
Instrument :
MSVOA_X
ClientSampleId :
MW3

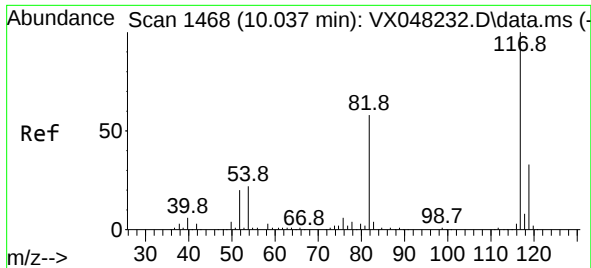
Tgt Ion: 63 Resp: 173
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 58.784 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 95 Resp: 141517
Ion Ratio Lower Upper
95 100
174 72.6 0.0 147.8
176 68.7 0.0 142.8

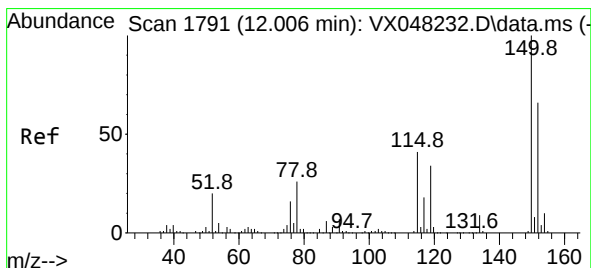
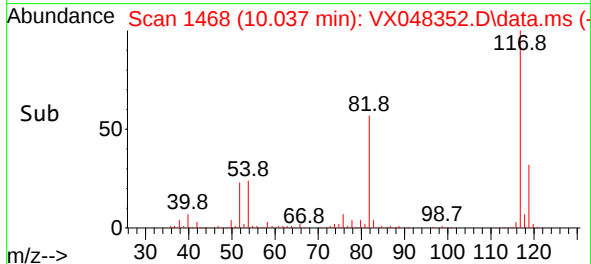
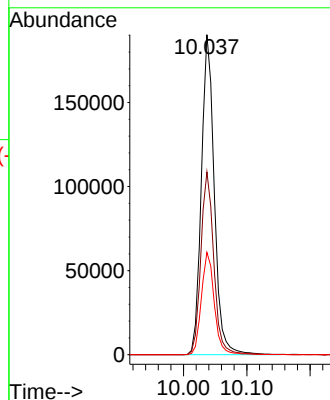
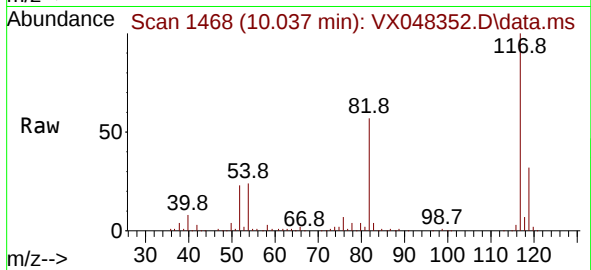




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

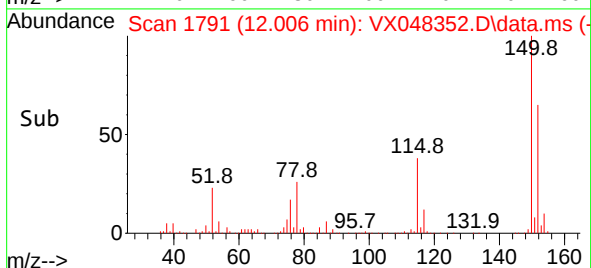
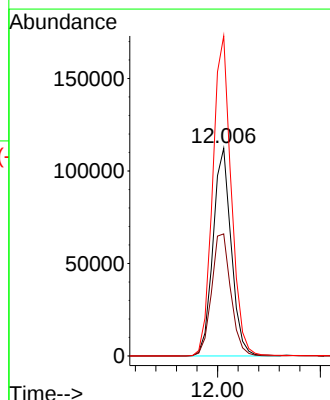
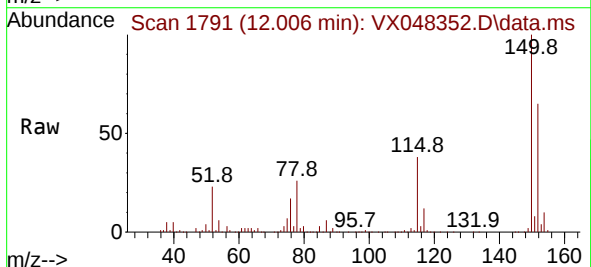
Instrument :
MSVOA_X
ClientSampleId :
MW3

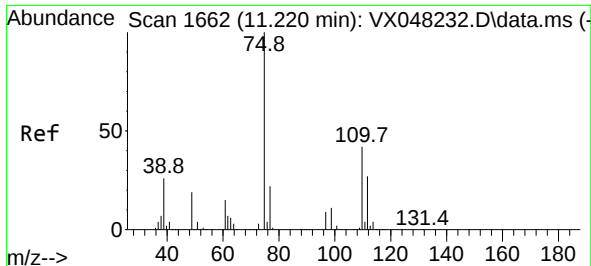
Tgt Ion:117 Resp: 271415
Ion Ratio Lower Upper
117 100
82 57.1 46.5 69.7
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion:152 Resp: 138260
Ion Ratio Lower Upper
152 100
115 62.1 43.1 129.4
150 157.0 0.0 353.0

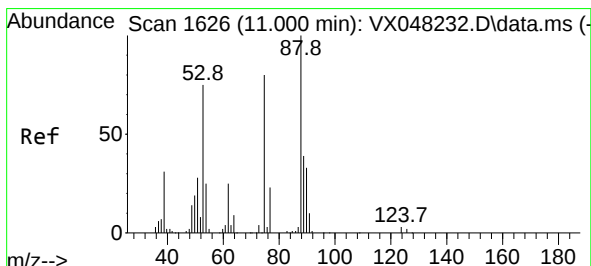
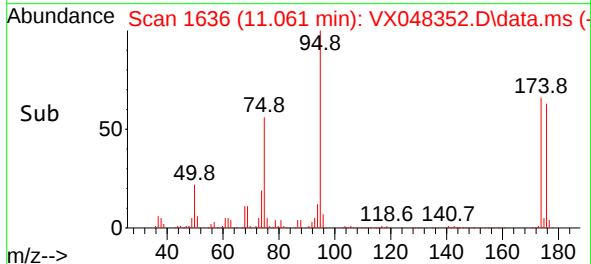
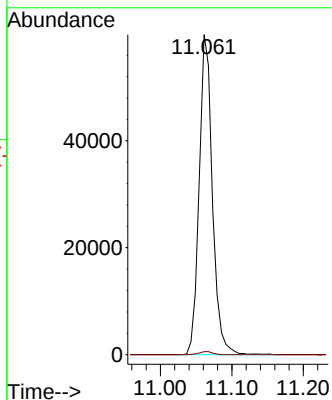
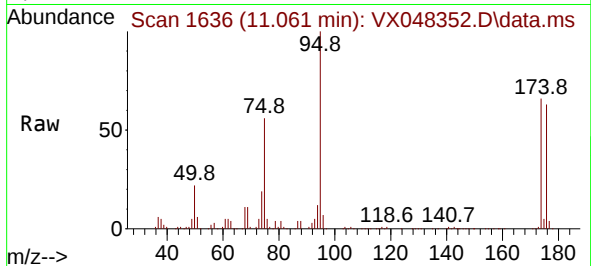




#76
1,2,3-Trichloropropane
Concen: 34.262 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Instrument :
MSVOA_X
ClientSampleId :
MW3

Tgt Ion: 75 Resp: 76820
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.358 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048352.D
Acq: 24 Oct 2025 15:28

Tgt Ion: 75 Resp: 76820
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

