

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048137.D
 Acq On : 13 Oct 2025 13:27
 Operator : JC/MD
 Sample : Q3311-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-215D

Quant Time: Oct 14 01:54:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

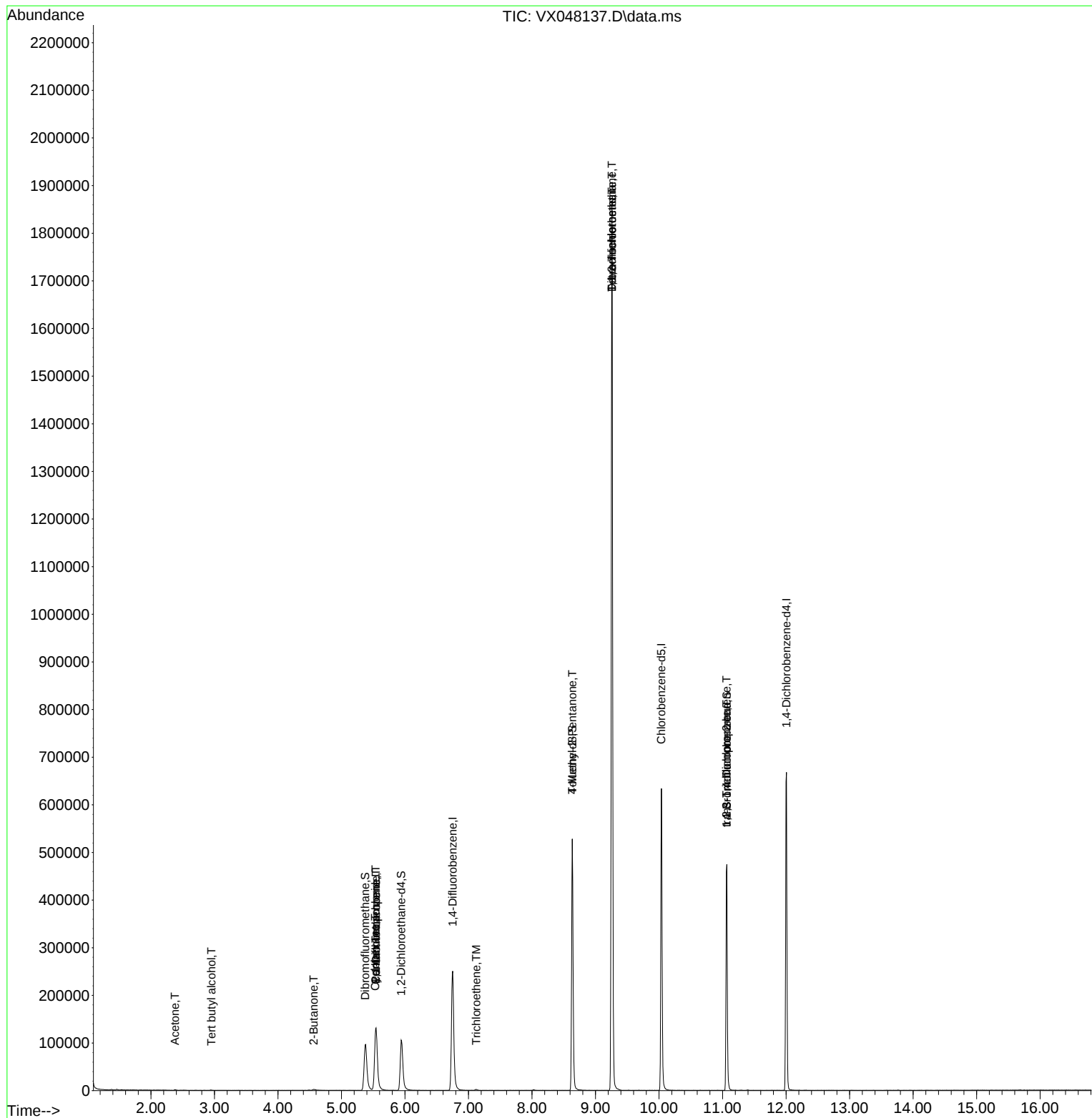
Internal Standards						
1) Pentafluorobenzene	5.544	168	132600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	277826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	287289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	115745	54.838	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.680%	
35) Dibromofluoromethane	5.373	113	94255	50.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.180%	
50) Toluene-d8	8.635	98	315217	48.892	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	11.067	95	138613	56.650	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	318	1.353	ug/l #	72
16) Acetone	2.380	43	1749	1.906	ug/l	91
25) 2-Butanone	4.562	43	4914	4.293	ug/l #	85
31) Cyclohexane	5.532	56	2979	1.068	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11333	4.162	ug/l #	53
38) Carbon Tetrachloride	5.538	117	14357	4.853	ug/l #	18
44) Trichloroethene	7.123	130	1076	0.538	ug/l	60
51) 4-Methyl-2-Pentanone	8.635	43	1557	0.587	ug/l #	1
55) 1,1,2-Trichloroethane	9.257	97	3558	1.811	ug/l #	1
60) Dibromochloromethane	9.257	129	351899	155.463	ug/l #	11
64) Tetrachloroethene	9.257	164	348954	186.325	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	73842	25.667	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	73842	65.455	ug/l #	8

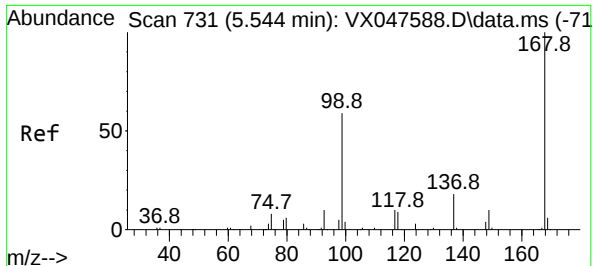
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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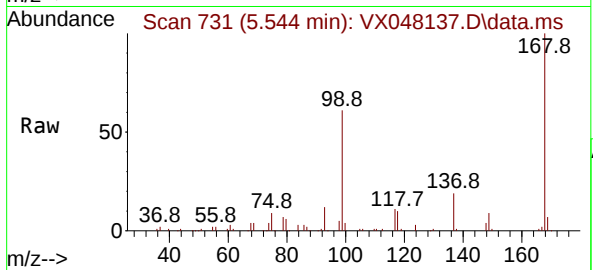
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



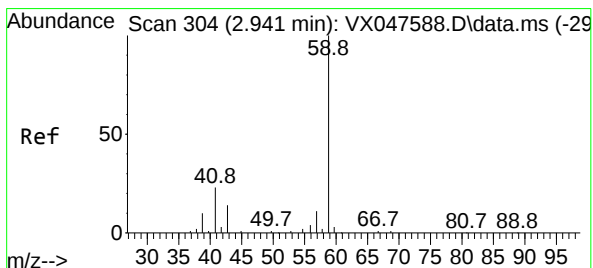
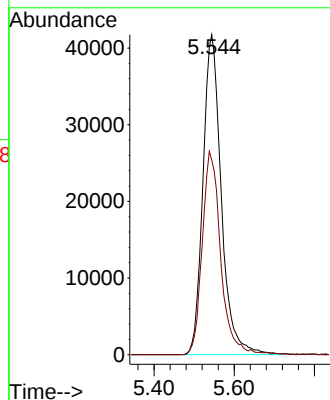
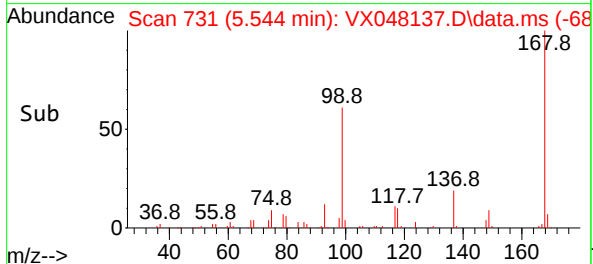


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :
MW-215D

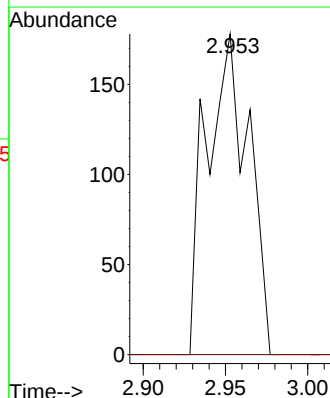
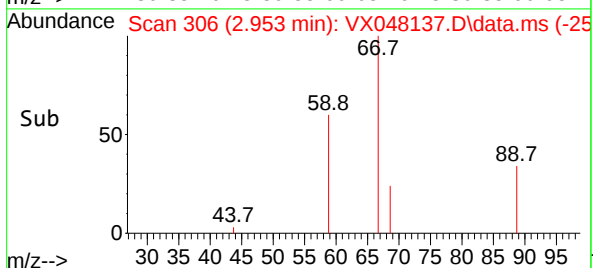
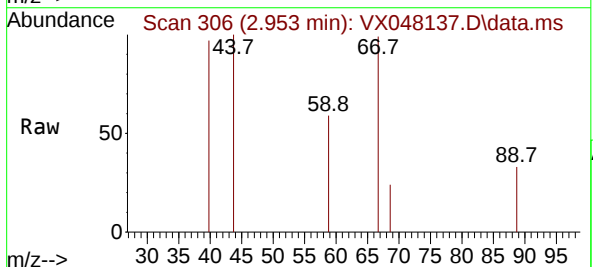


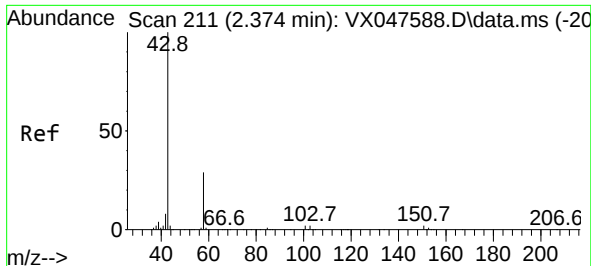
Tgt Ion:168 Resp: 132600
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.353 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

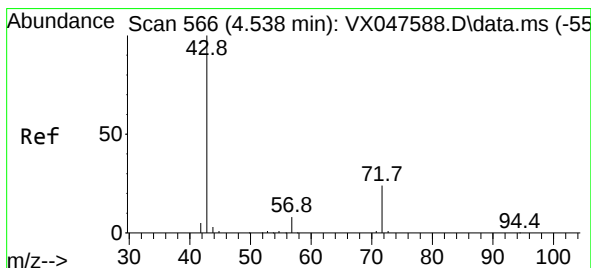
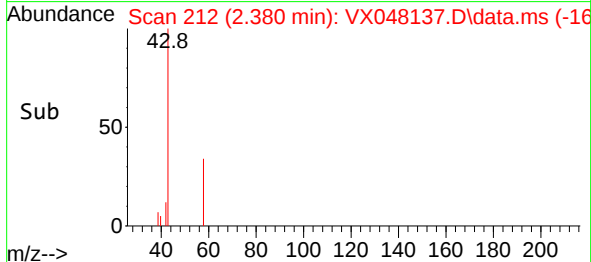
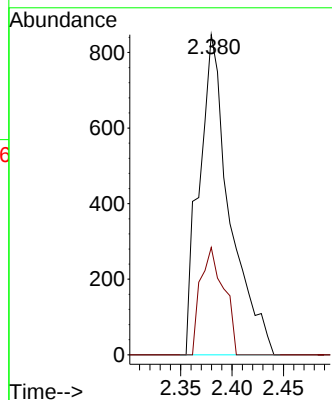
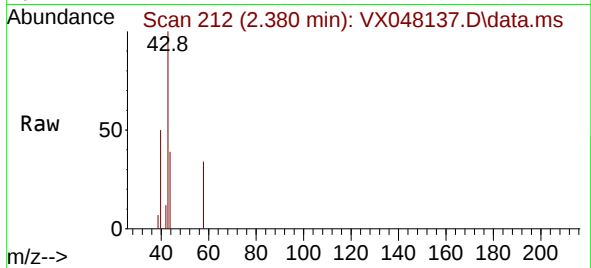




#16
Acetone
Concen: 1.906 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

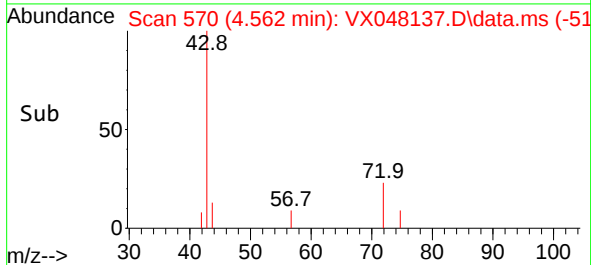
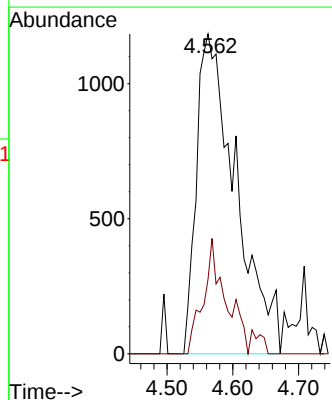
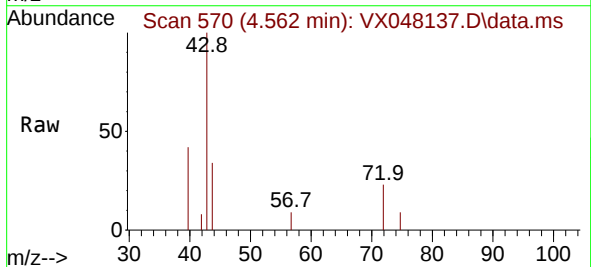
Instrument :
MSVOA_X
ClientSampleId :
MW-215D

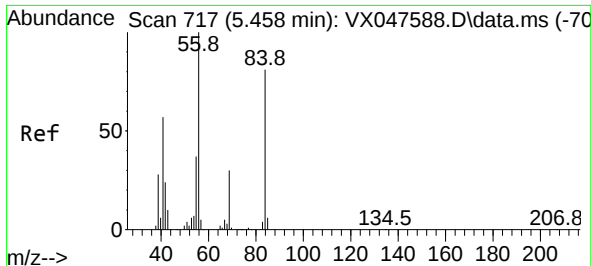
Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
58 24.1 23.4 35.0



#25
2-Butanone
Concen: 4.293 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 43 Resp: 4914
Ion Ratio Lower Upper
43 100
72 17.4 20.1 30.1#

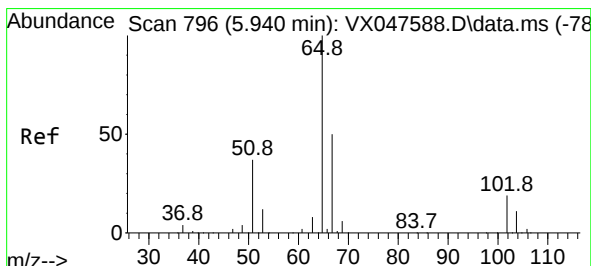
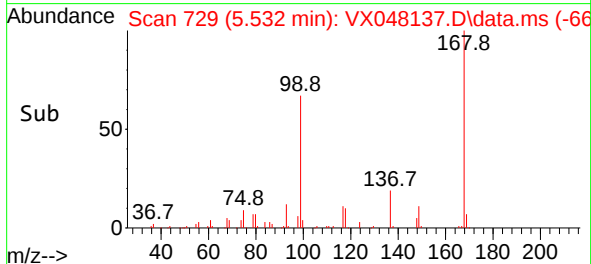
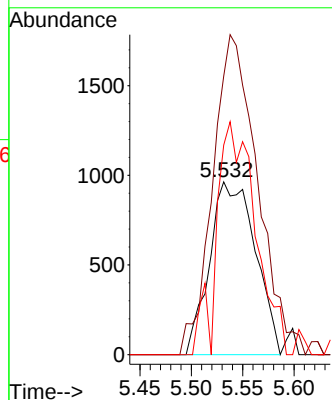
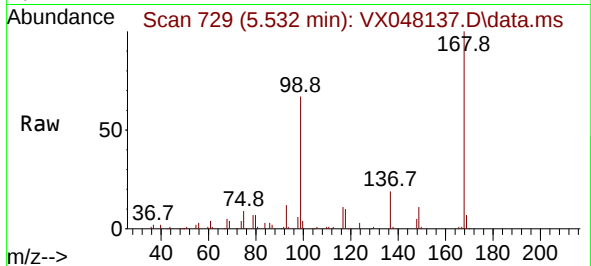




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 5.532 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

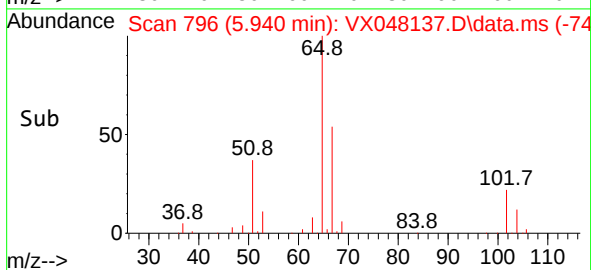
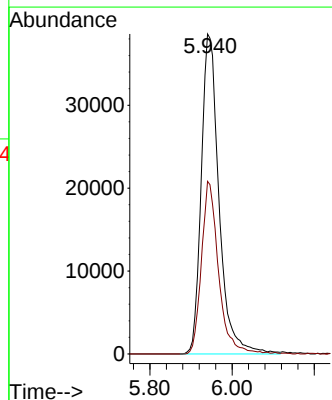
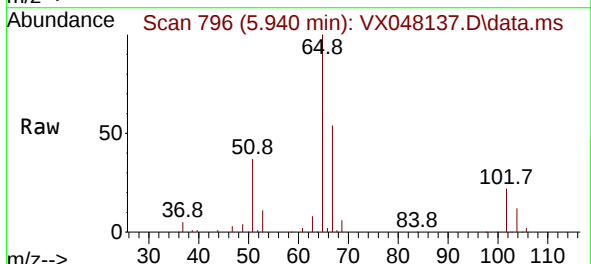
Instrument :
MSVOA_X
ClientSampleId :
MW-215D

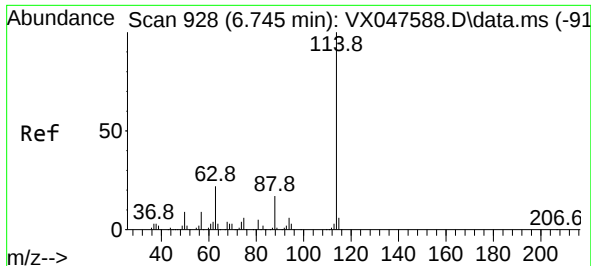
Tgt Ion: 56 Resp: 2979
Ion Ratio Lower Upper
56 100
69 161.2 23.8 35.8#
84 121.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.838 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 65 Resp: 115745
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX048137.D

Acq: 13 Oct 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

MW-215D

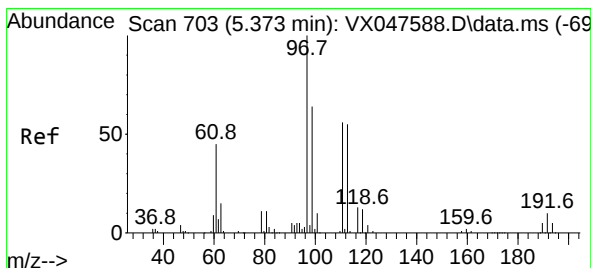
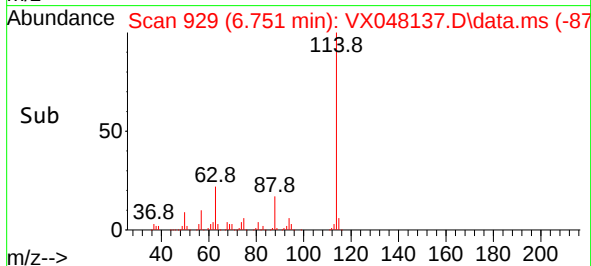
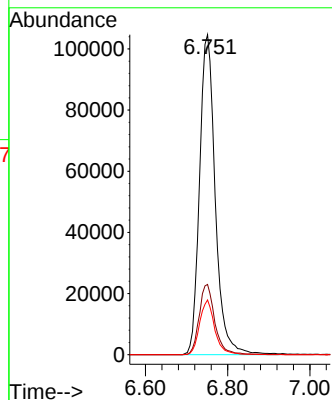
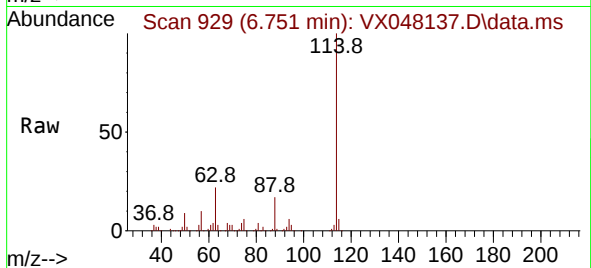
Tgt Ion:114 Resp: 277826

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 17.1 0.0 34.2



#35

Dibromofluoromethane

Concen: 50.586 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048137.D

Acq: 13 Oct 2025 13:27

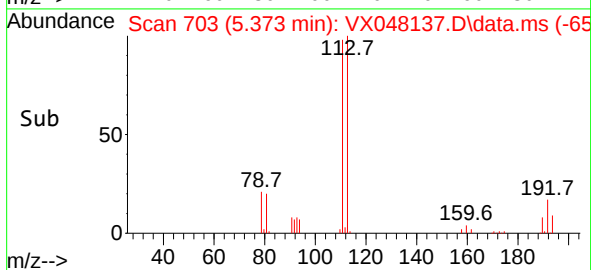
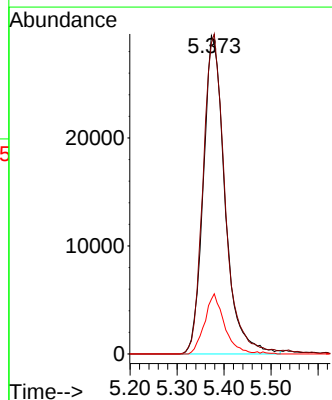
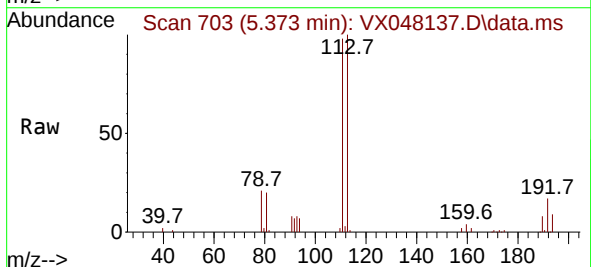
Tgt Ion:113 Resp: 94255

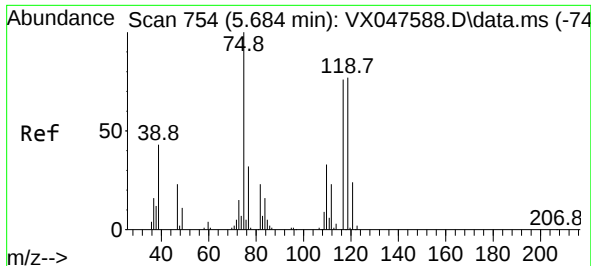
Ion Ratio Lower Upper

113 100

111 101.8 80.9 121.3

192 17.3 14.2 21.4

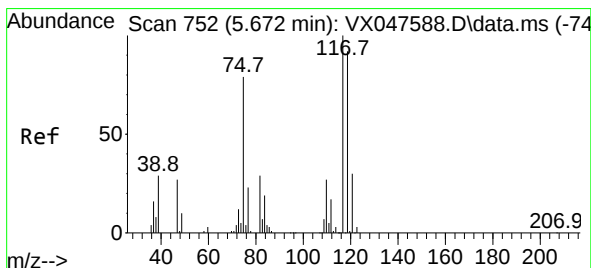
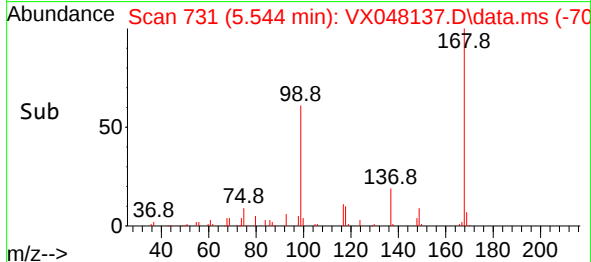
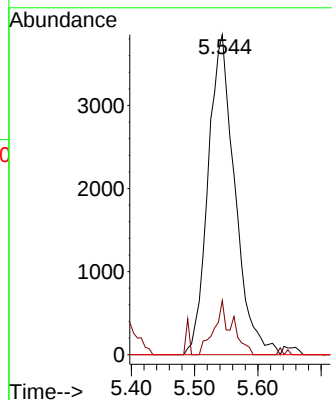
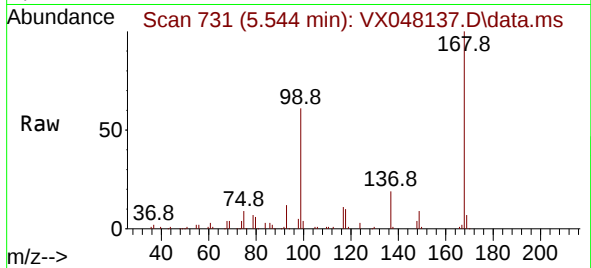




#36
1,1-Dichloropropene
Concen: 4.162 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

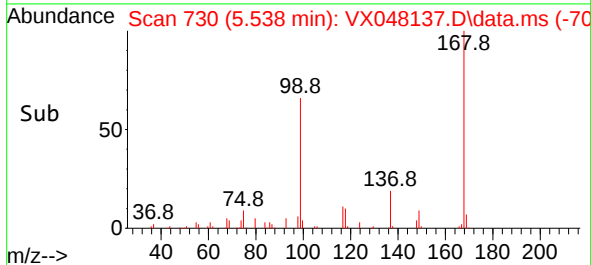
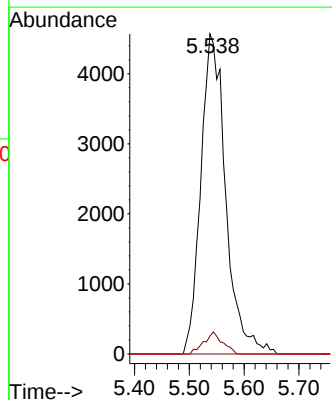
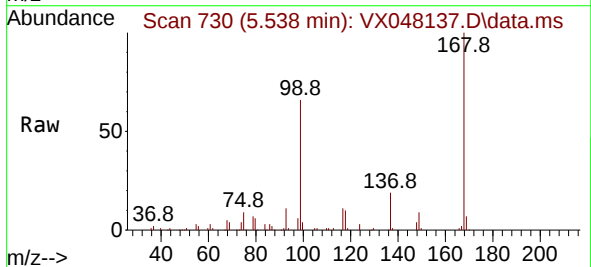
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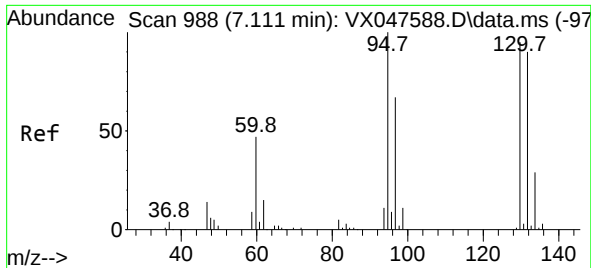
Tgt Ion: 75 Resp: 11333
Ion Ratio Lower Upper
75 100
110 11.4 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.853 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 117 Resp: 14357
Ion Ratio Lower Upper
117 100
119 5.6 73.4 110.2#
121 0.0 23.8 35.6#

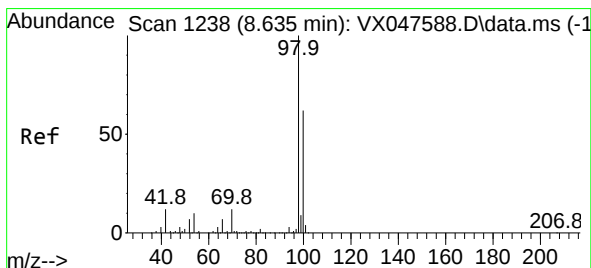
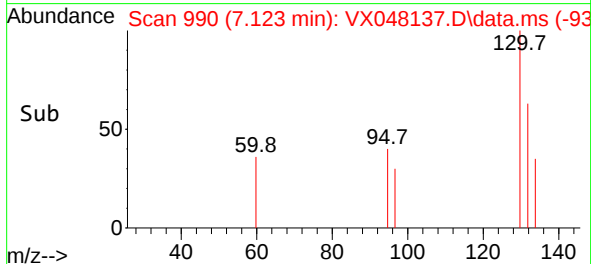
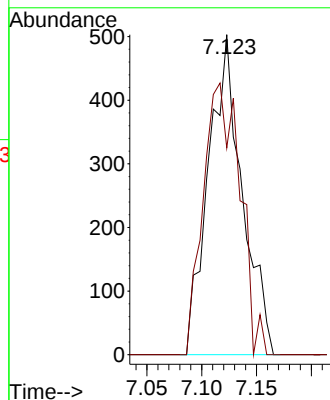
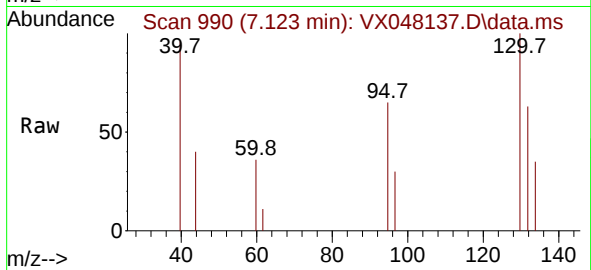




#44
Trichloroethene
Concen: 0.538 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

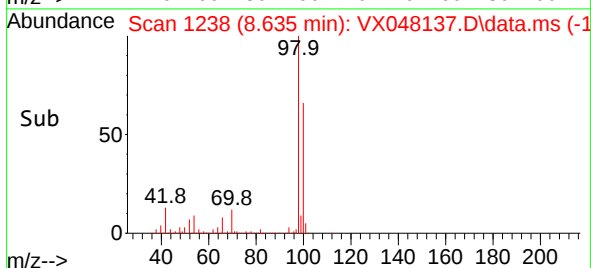
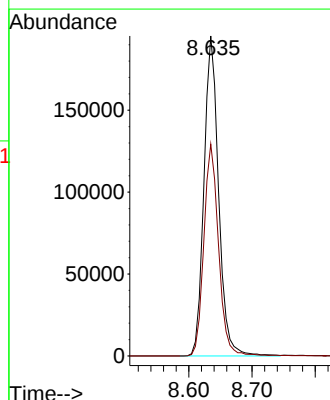
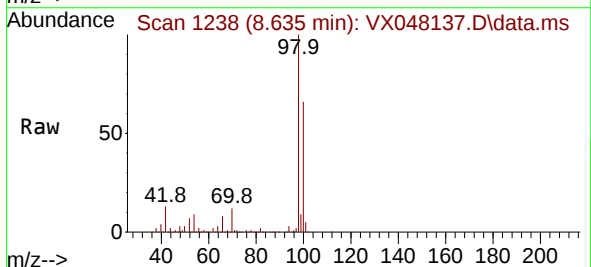
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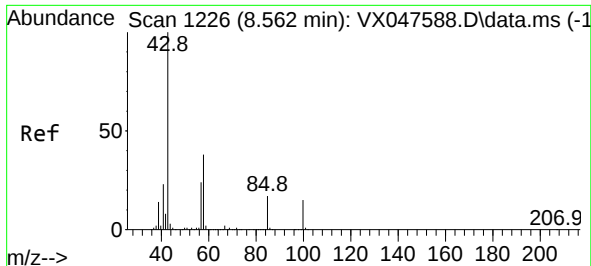
Tgt Ion:130 Resp: 1076
Ion Ratio Lower Upper
130 100
95 64.6 0.0 210.8



#50
Toluene-d8
Concen: 48.892 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 98 Resp: 315217
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4

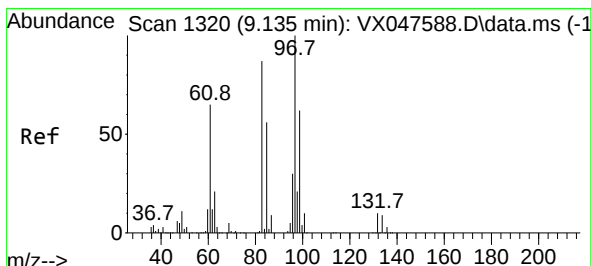
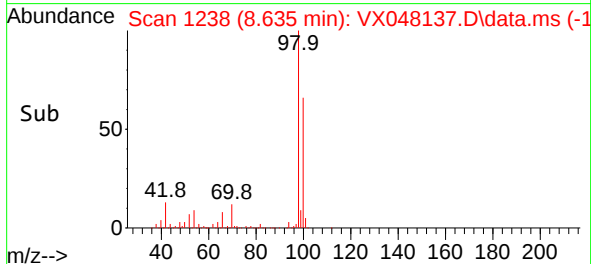
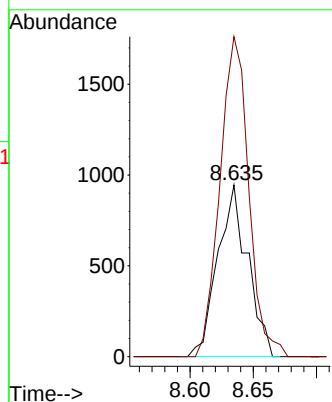
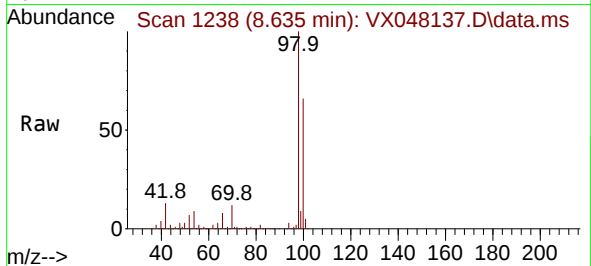




#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

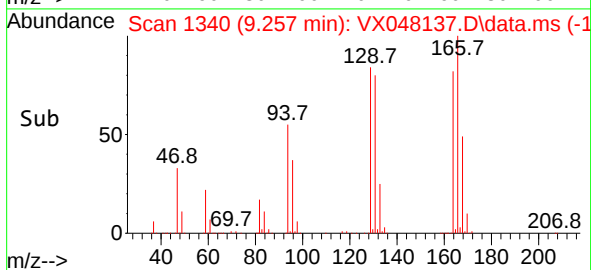
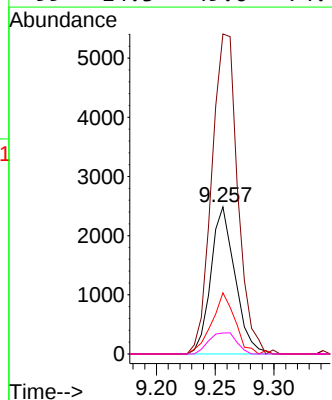
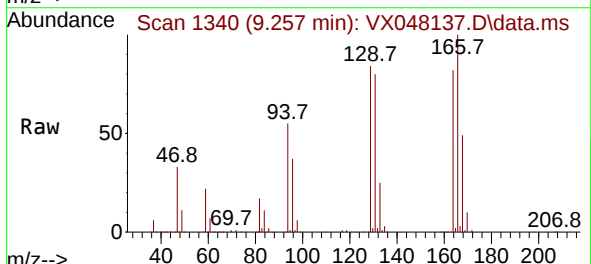
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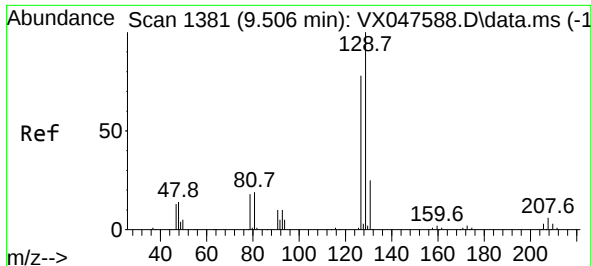
Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
58 179.1 30.3 45.5#



#55
1,1,2-Trichloroethane
Concen: 1.811 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 97 Resp: 3558
Ion Ratio Lower Upper
97 100
83 217.6 69.6 104.4#
85 224.7 45.0 67.6#
99 14.3 49.6 74.4#

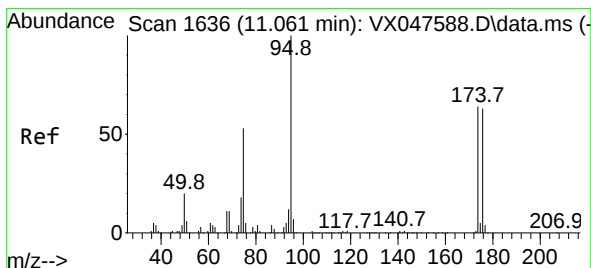
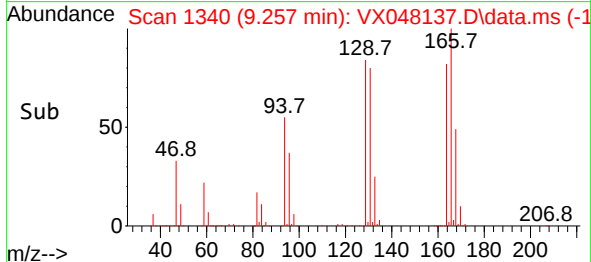
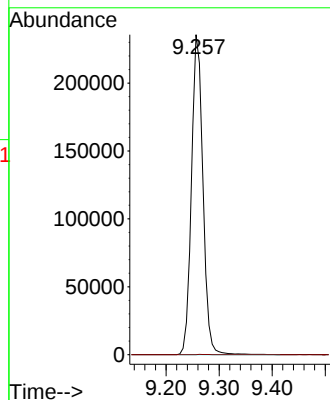
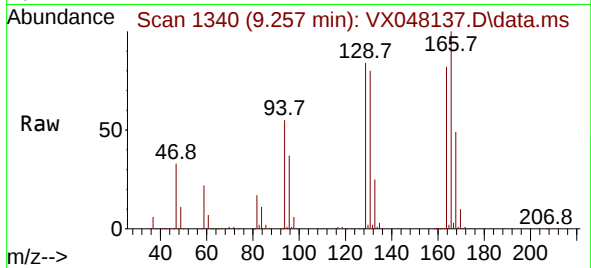




#60
Dibromochloromethane
Concen: 155.463 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

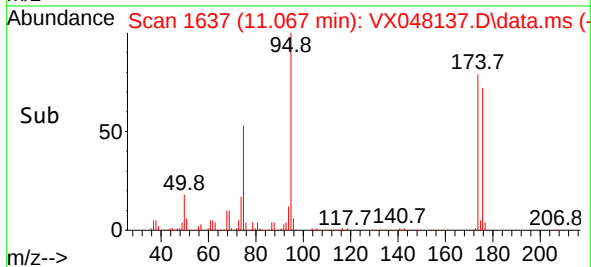
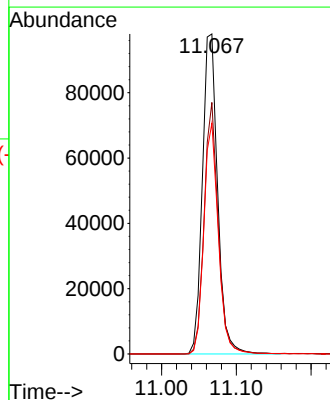
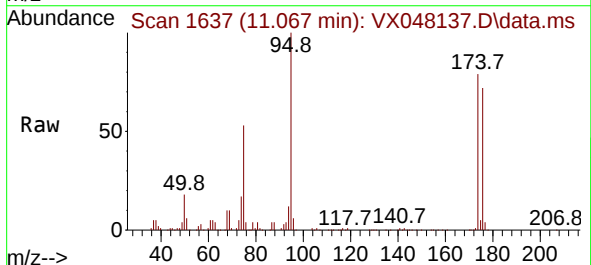
Instrument :
MSVOA_X
ClientSampleId :
MW-215D

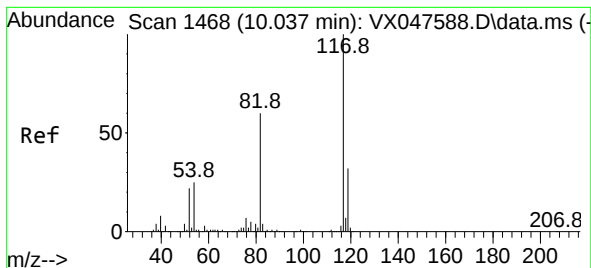
Tgt Ion:129 Resp: 351899
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 56.650 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion: 95 Resp: 138613
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 68.7 0.0 138.4

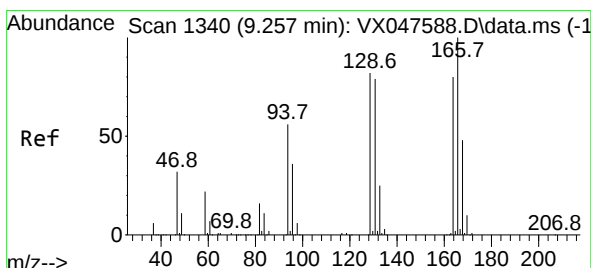
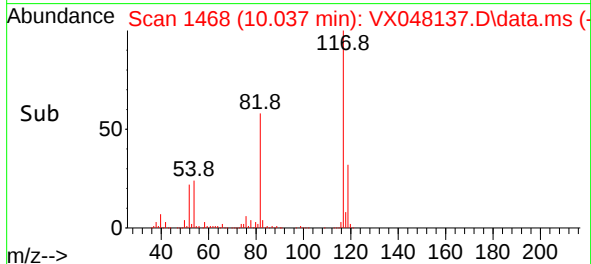
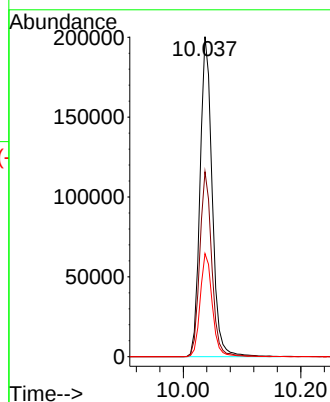
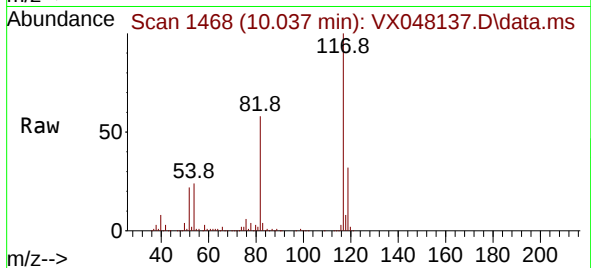




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

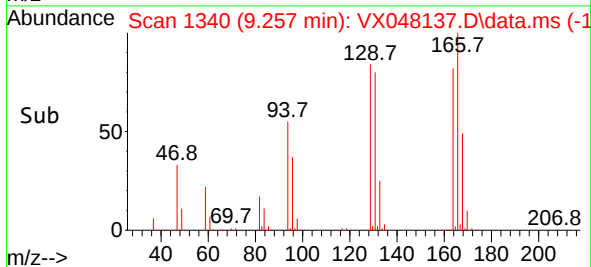
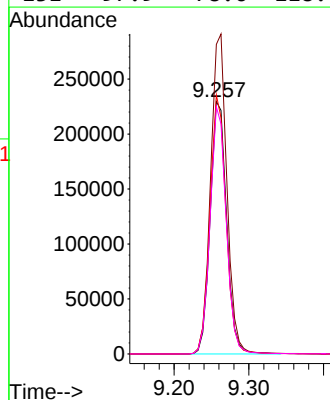
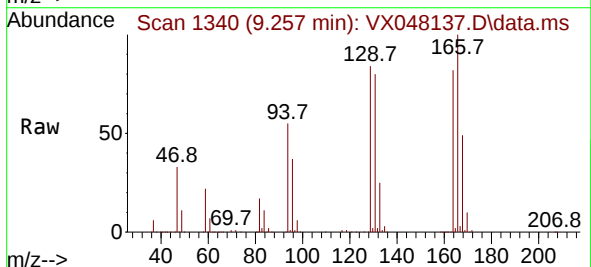
Instrument :
MSVOA_X
ClientSampleId :
MW-215D

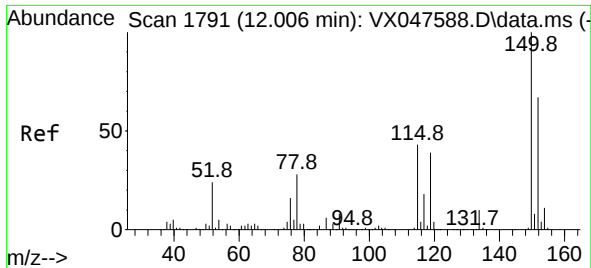
Tgt Ion:117 Resp: 287289
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.6
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 186.325 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Tgt Ion:164 Resp: 348954
Ion Ratio Lower Upper
164 100
166 122.6 100.2 150.2
129 102.6 81.8 122.6
131 97.9 78.6 118.0

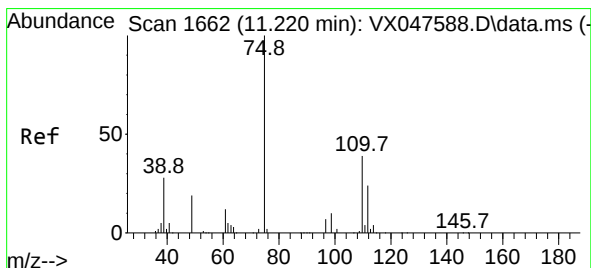
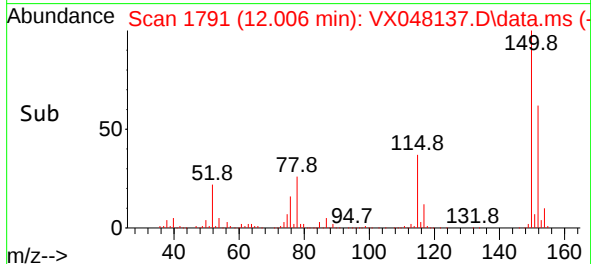
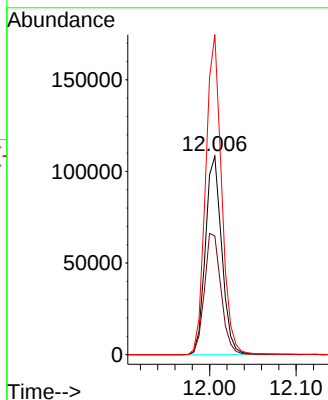
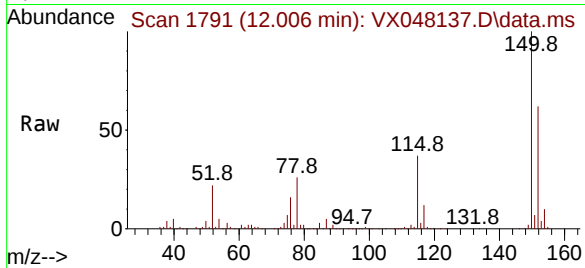




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048137.D
 Acq: 13 Oct 2025 13:27

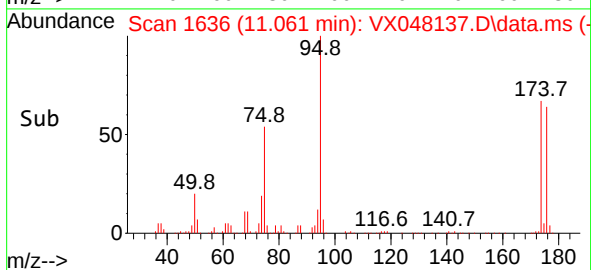
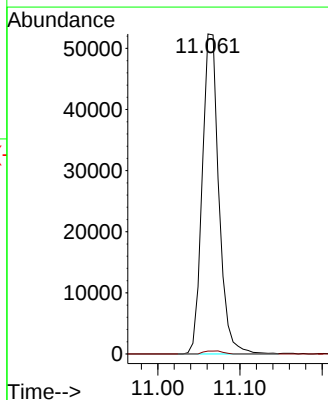
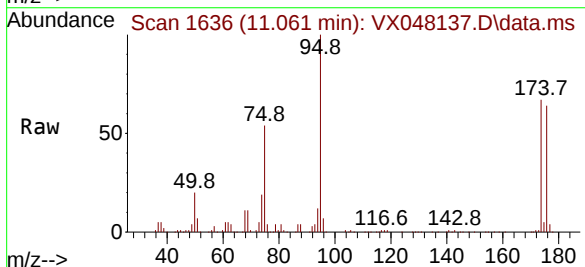
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-215D

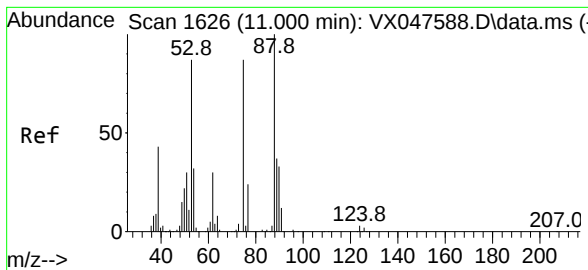
Tgt Ion:152 Resp: 142090
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.9 134.5
 150 157.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 25.667 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048137.D
 Acq: 13 Oct 2025 13:27

Tgt Ion: 75 Resp: 73842
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.8 56.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.455 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048137.D
Acq: 13 Oct 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :
MW-215D

Tgt Ion: 75 Resp: 73842
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

