

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048847.D
 Acq On : 12 Dec 2025 12:26
 Operator : JC/MD
 Sample : Q3828-05DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-03B-90-120925DL

Quant Time: Dec 12 22:11:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

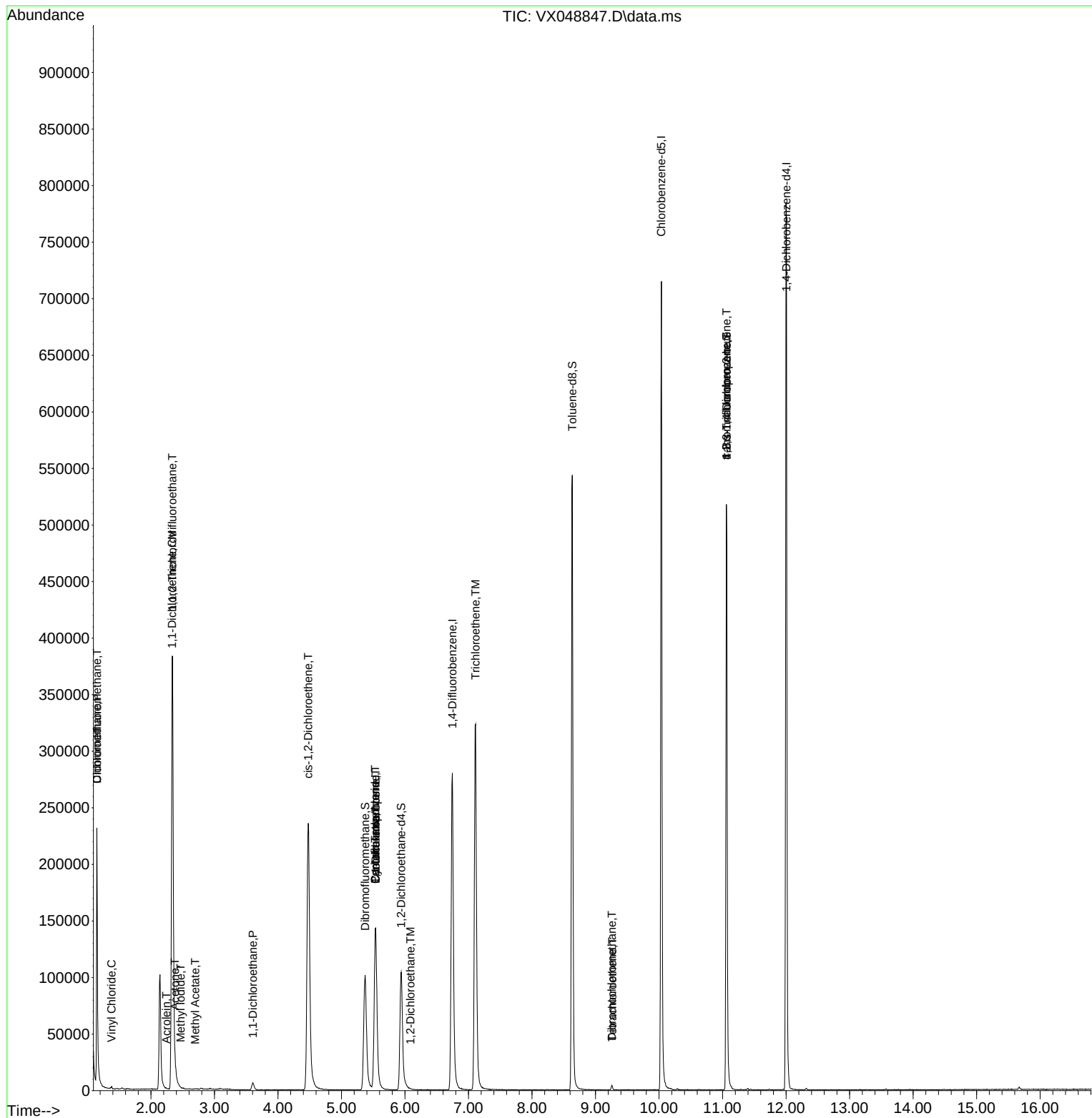
Internal Standards						
1) Pentafluorobenzene	5.531	168	149273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	310587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	339410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	178609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	116556	58.176	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.360%			
35) Dibromofluoromethane	5.373	113	101503	47.464	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.920%			
50) Toluene-d8	8.635	98	344261	45.925	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.860%#			
62) 4-Bromofluorobenzene	11.061	95	150309	58.149	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.148	85	24072	15.827	ug/l	99
3) Chloromethane	1.148	50	6119	3.188	ug/l #	42
4) Vinyl Chloride	1.380	62	876	0.429	ug/l #	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	176276	103.794	ug/l	98
10) Methyl Iodide	2.465	142	833	0.345	ug/l #	78
12) 1,1-Dichloroethene	2.331	96	1043	0.602	ug/l	84
13) Acrolein	2.239	56	87	40.411	ug/l	94
16) Acetone	2.380	43	1241	1.618	ug/l	98
18) Methyl Acetate	2.697	43	768	0.356	ug/l #	81
24) 1,1-Dichloroethane	3.605	63	8309	2.740	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	170392	85.352	ug/l	94
31) Cyclohexane	5.538	56	2986	1.103	ug/l #	6
36) 1,1-Dichloropropene	5.538	75	11505	3.928	ug/l #	49
38) Carbon Tetrachloride	5.531	117	15853	4.778	ug/l #	13
42) 1,2-Dichloroethane	6.086	62	751	0.244	ug/l #	73
44) Trichloroethene	7.110	130	139882	61.742	ug/l	96
60) Dibromochloromethane	9.256	129	906	0.348	ug/l #	11
64) Tetrachloroethene	9.263	164	705	0.285	ug/l #	87
76) 1,2,3-Trichloropropane	11.061	75	75517	22.701	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	75517	53.923	ug/l #	3
95) Naphthalene	13.768	128	395	Below Cal	#	86

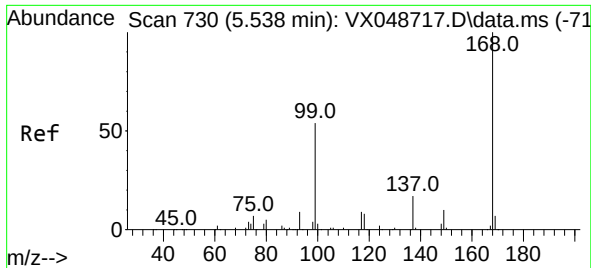
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RMW-03B-90-120925DL

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Quant Title : SW846 8260
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Response via : Initial Calibration

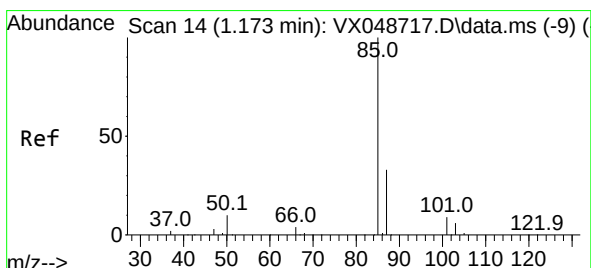
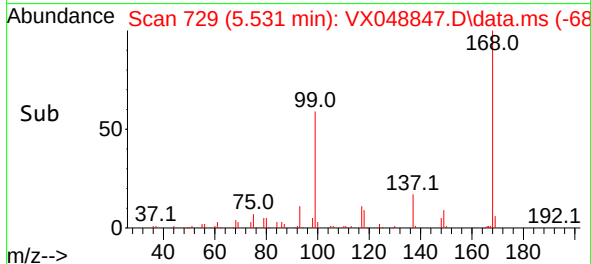
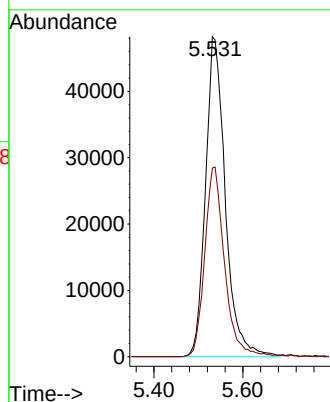
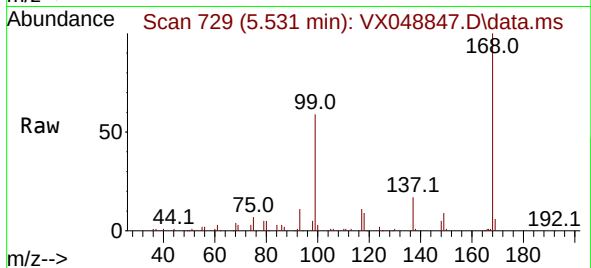




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

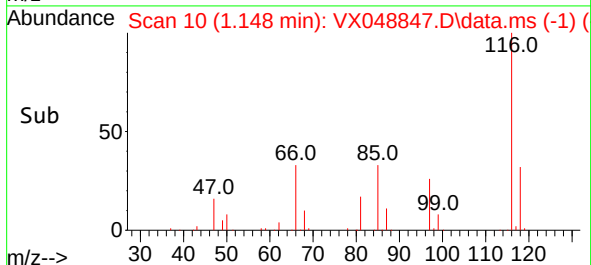
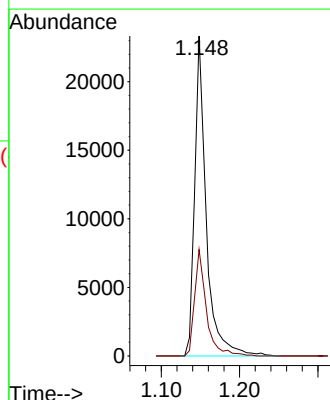
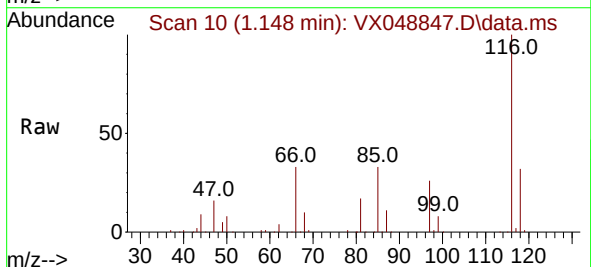
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

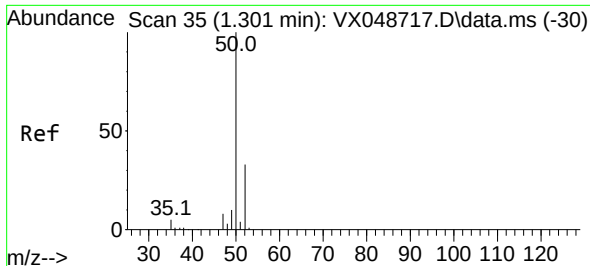
Tgt Ion:168 Resp: 149273
Ion Ratio Lower Upper
168 100
99 59.0 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 15.827 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 85 Resp: 24072
Ion Ratio Lower Upper
85 100
87 33.3 16.4 49.1

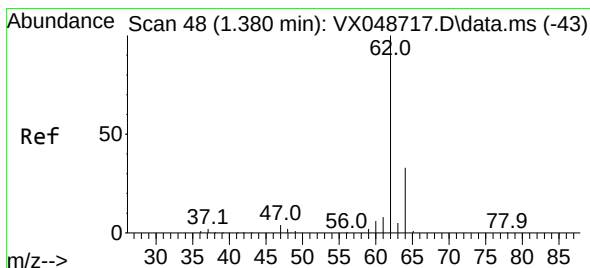
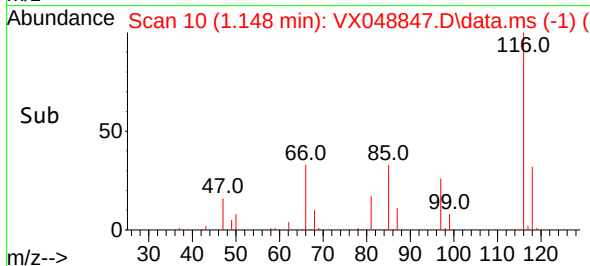
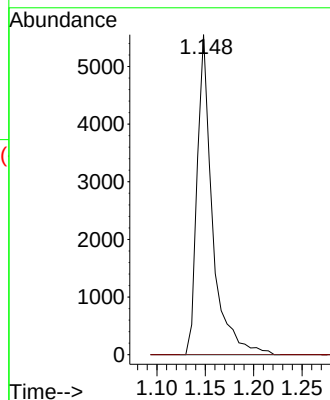
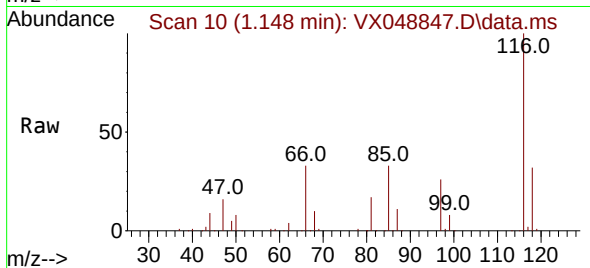




#3
Chloromethane
Concen: 3.188 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.152 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

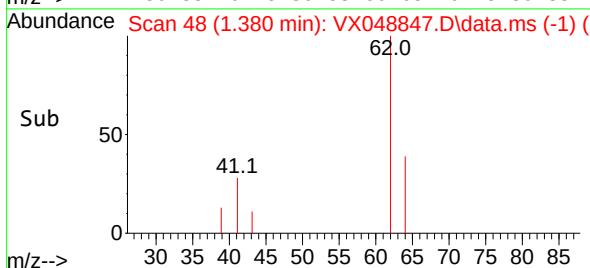
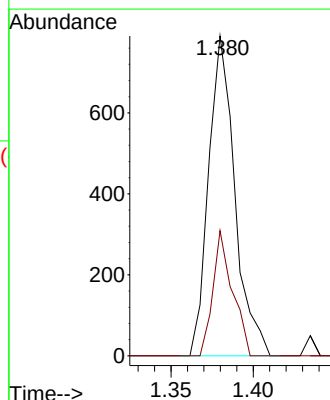
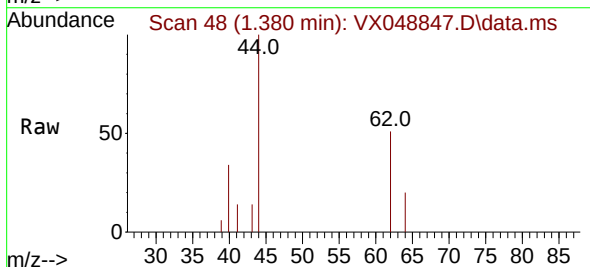
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

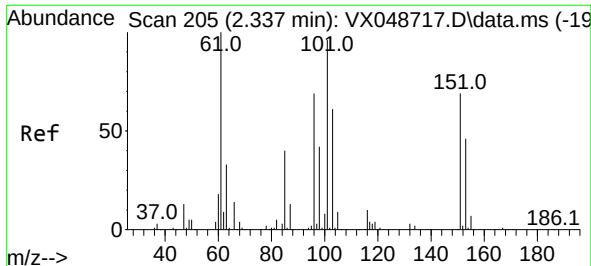
Tgt Ion: 50 Resp: 6119
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 0.429 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 62 Resp: 876
Ion Ratio Lower Upper
62 100
64 39.1 26.0 39.0#

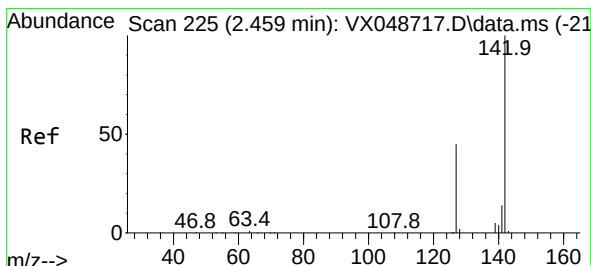
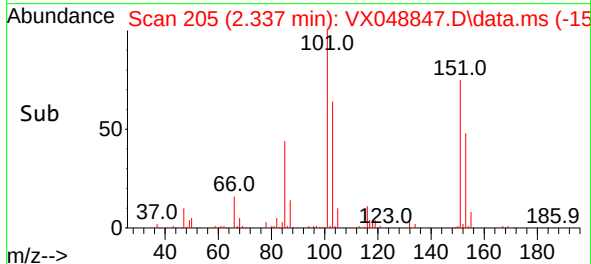
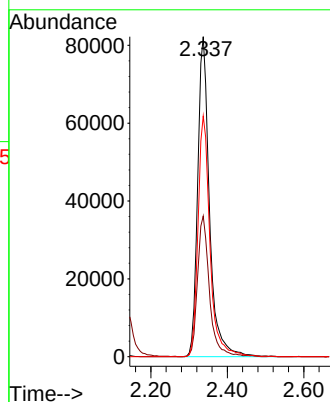
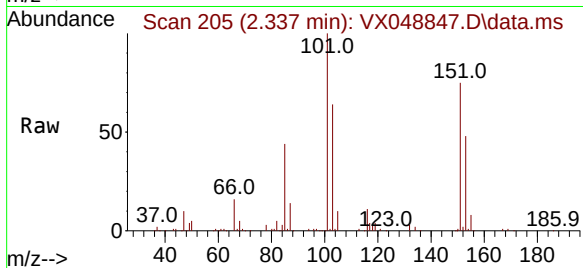




#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.794 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

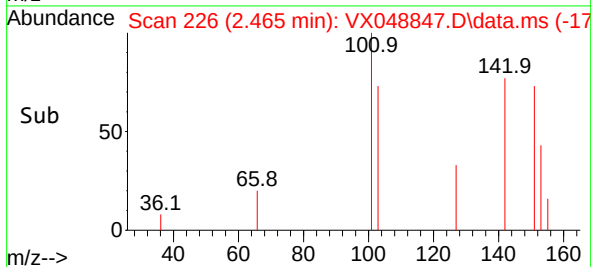
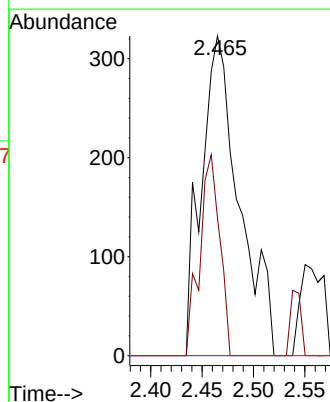
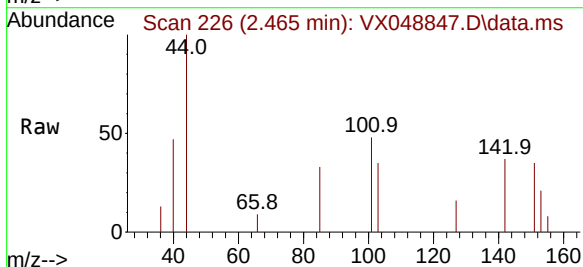
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

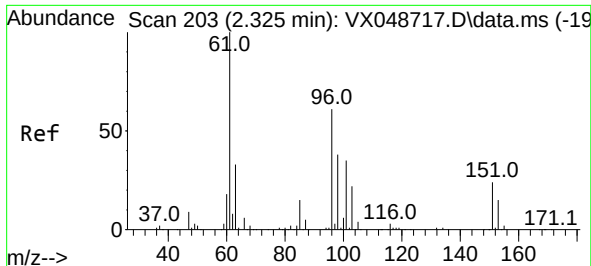
Tgt Ion:101 Resp: 176276
Ion Ratio Lower Upper
101 100
85 44.3 34.2 51.2
151 76.3 60.2 90.4



#10
Methyl Iodide
Concen: 0.345 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion:142 Resp: 833
Ion Ratio Lower Upper
142 100
127 33.1 35.8 53.6#
141 0.0 11.1 16.7#





#12

1,1-Dichloroethene

Concen: 0.602 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX048847.D

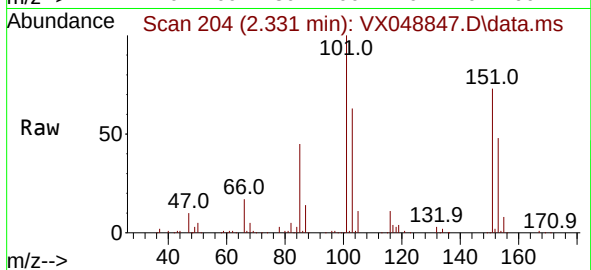
Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925DL



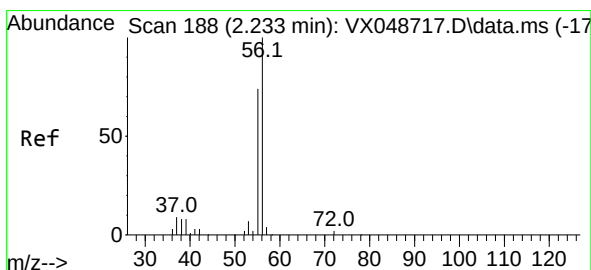
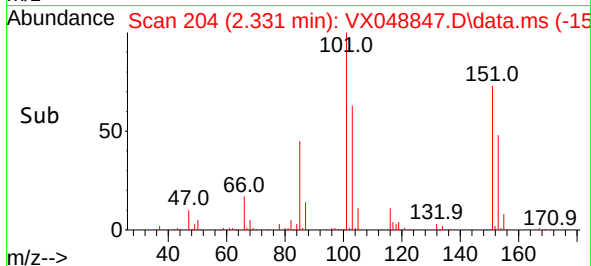
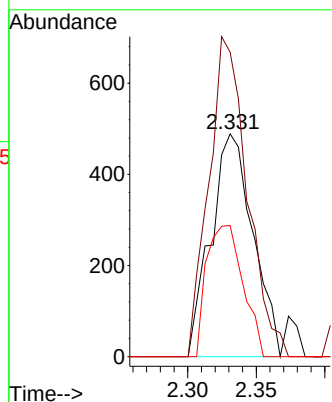
Tgt Ion: 96 Resp: 1043

Ion Ratio Lower Upper

96 100

61 136.6 130.7 196.1

98 58.9 49.8 74.8



#13

Acrolein

Concen: 40.411 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX048847.D

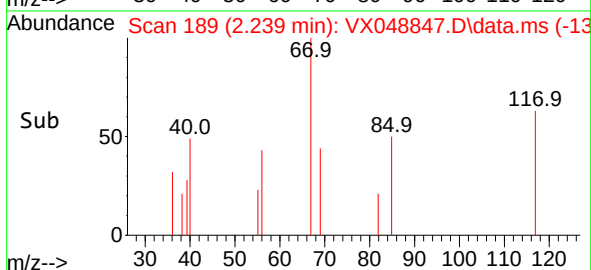
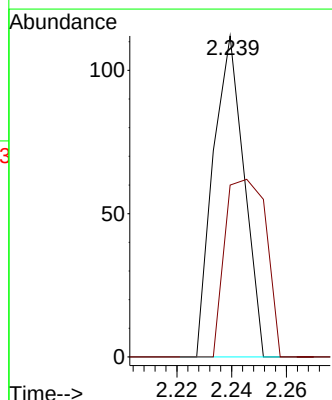
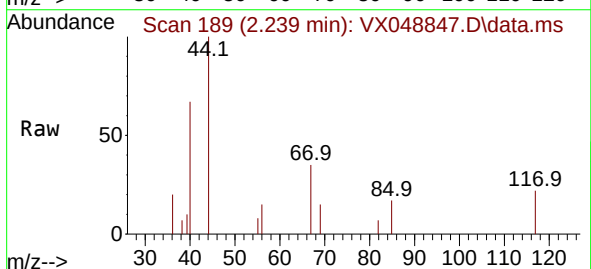
Acq: 12 Dec 2025 12:26

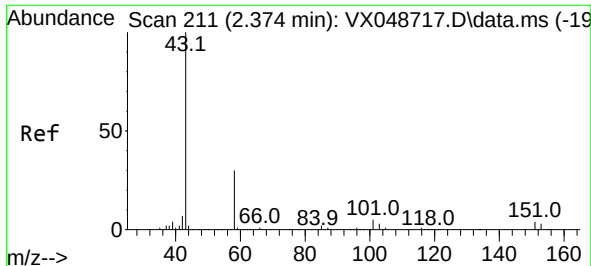
Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 74.7 55.8 83.6

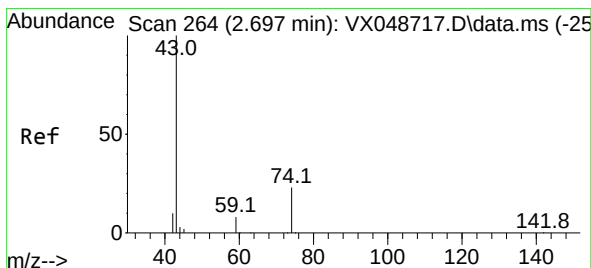
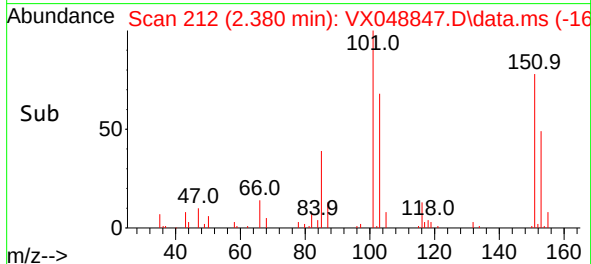
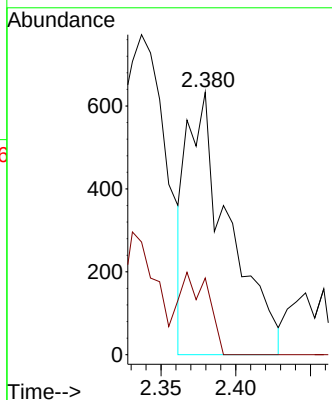
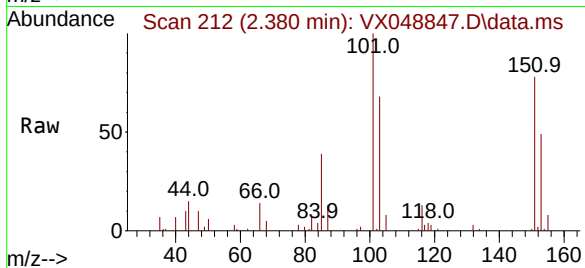




#16
Acetone
Concen: 1.618 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

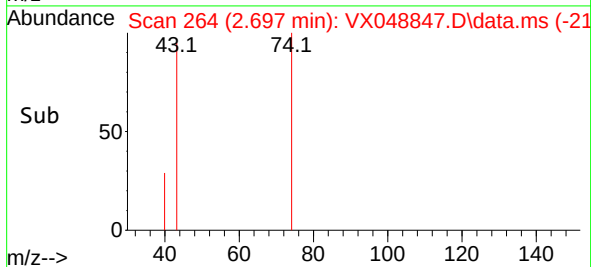
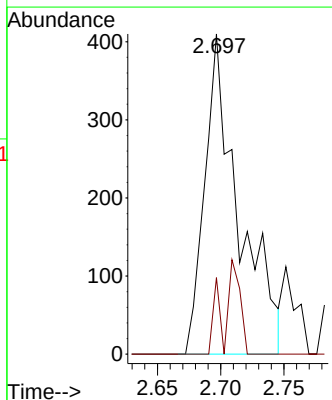
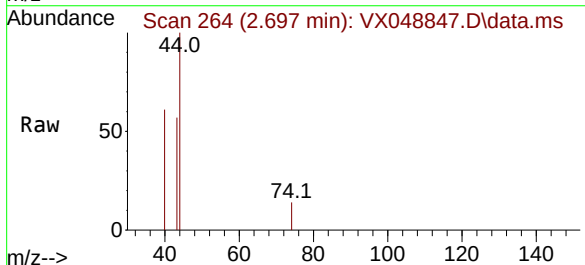
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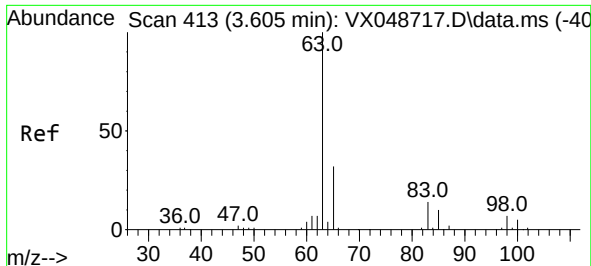
Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
58 32.6 25.0 37.4



#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
74 14.5 19.2 28.8#

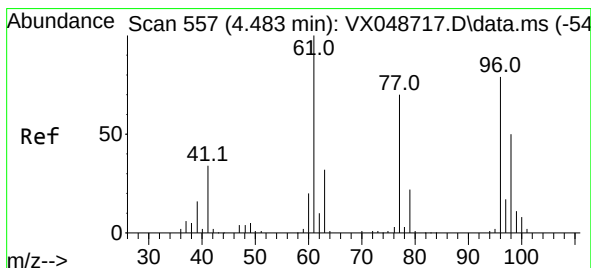
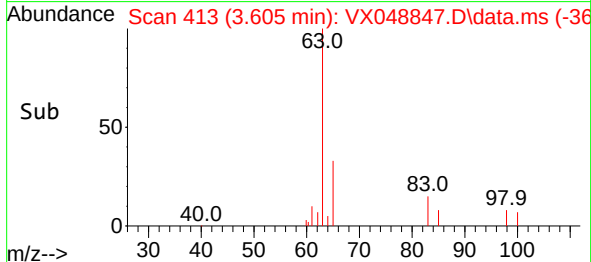
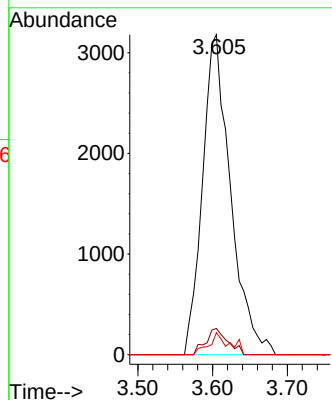
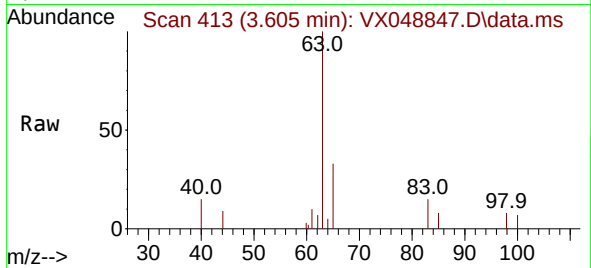




#24
 1,1-Dichloroethane
 Concen: 2.740 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX048847.D
 Acq: 12 Dec 2025 12:26

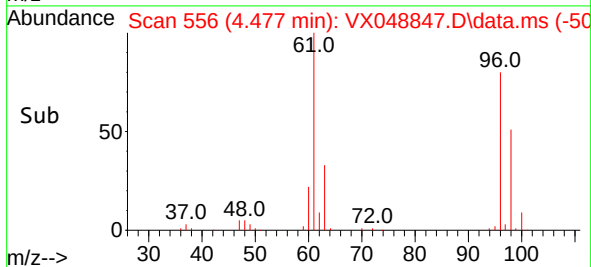
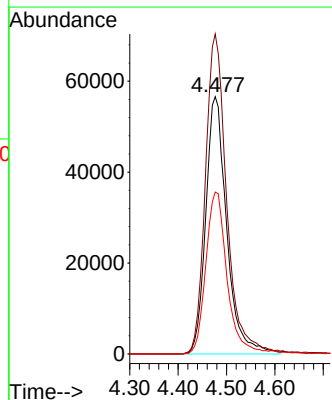
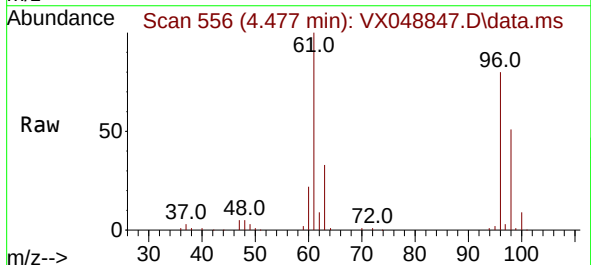
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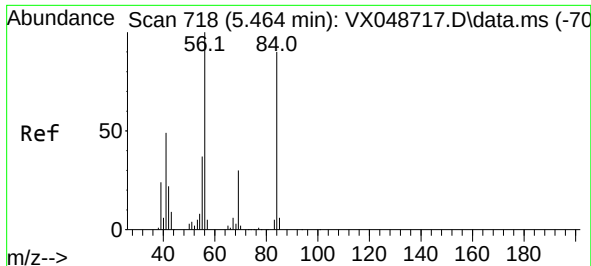
Tgt Ion: 63	Resp:	8309
Ion Ratio	Lower	Upper
63	100	
98	8.2	3.5 10.6
100	6.9	2.5 7.4



#27
 cis-1,2-Dichloroethene
 Concen: 85.352 ug/l
 RT: 4.477 min Scan# 556
 Delta R.T. -0.006 min
 Lab File: VX048847.D
 Acq: 12 Dec 2025 12:26

Tgt Ion: 96	Resp:	170392
Ion Ratio	Lower	Upper
96	100	
61	126.1	0.0 271.0
98	64.5	0.0 130.2

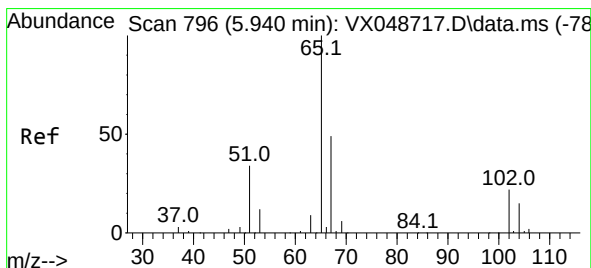
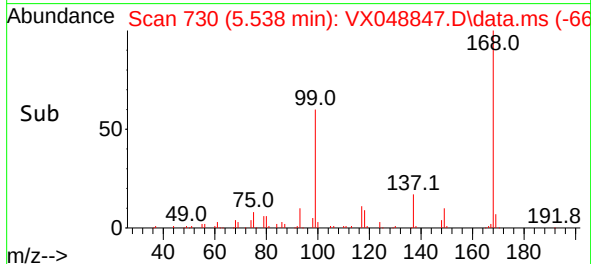
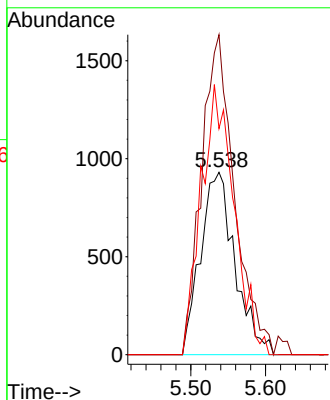
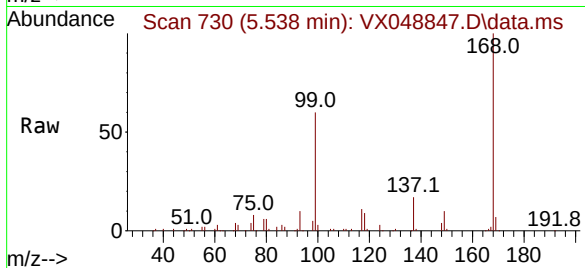




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

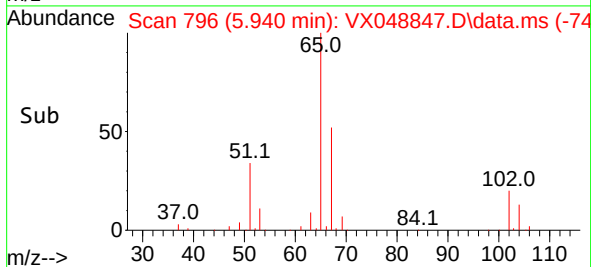
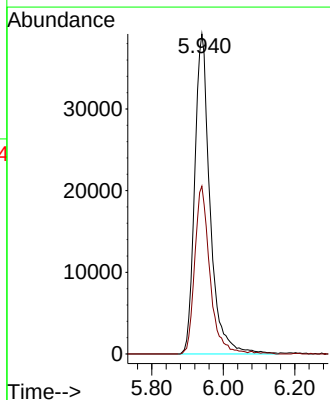
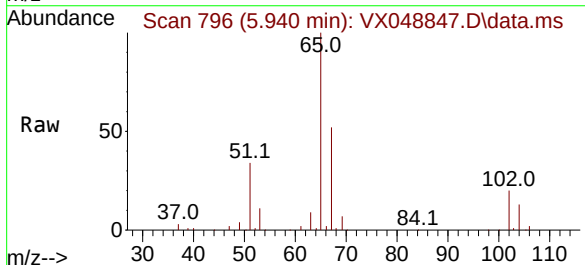
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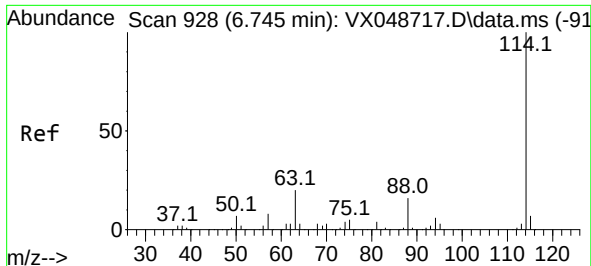
Tgt Ion: 56 Resp: 2986
Ion Ratio Lower Upper
56 100
69 175.4 24.2 36.2#
84 124.0 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 58.176 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 65 Resp: 116556
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

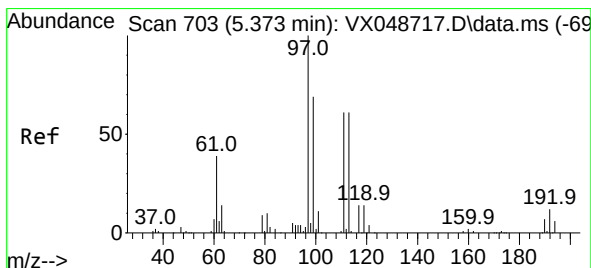
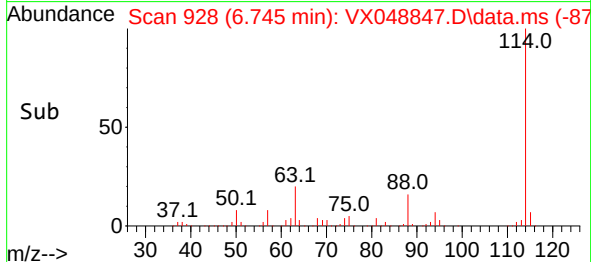
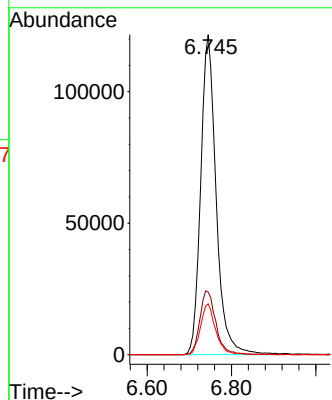
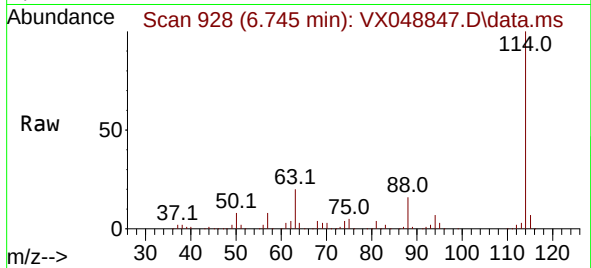




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

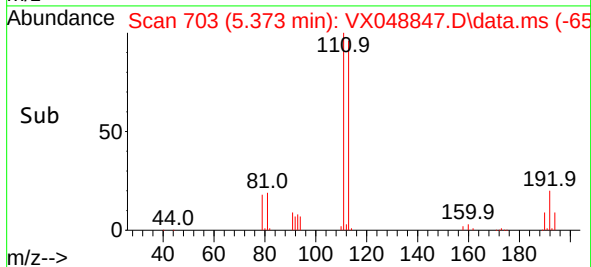
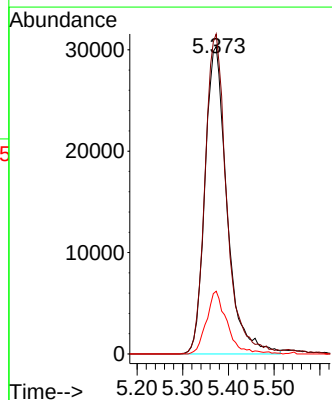
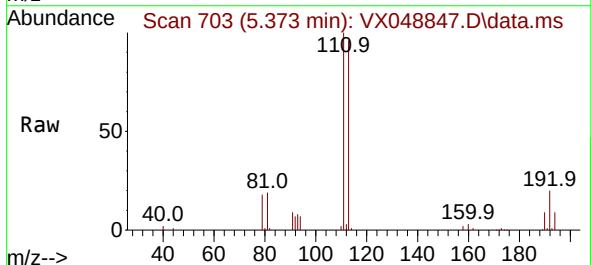
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

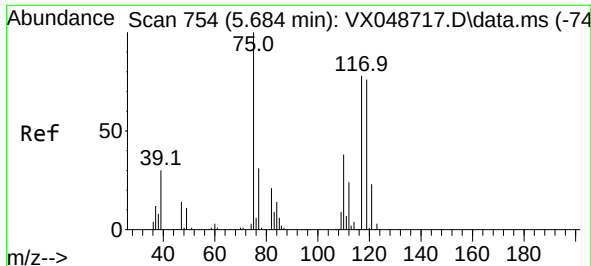
Tgt Ion:114 Resp: 310587
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.0
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.464 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion:113 Resp: 101503
Ion Ratio Lower Upper
113 100
111 102.3 79.5 119.3
192 19.3 16.1 24.1

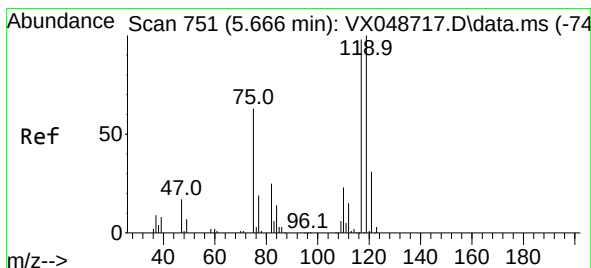
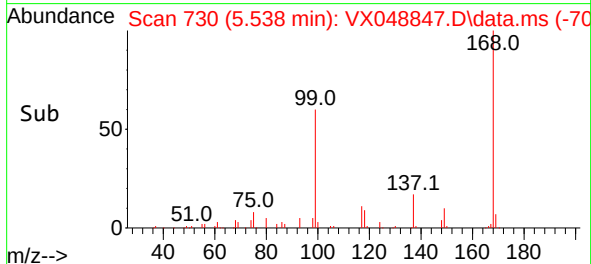
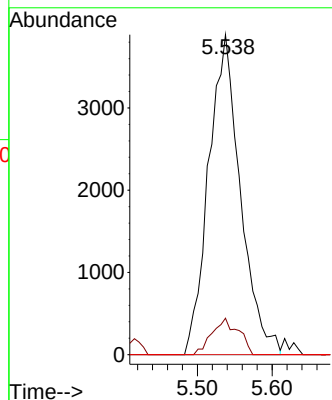
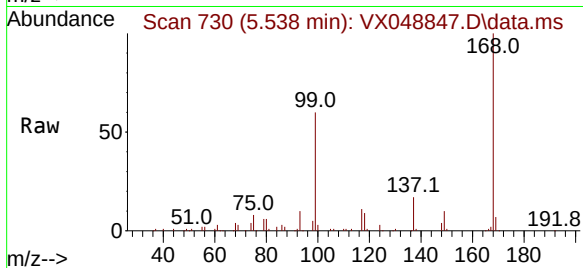




#36
1,1-Dichloropropene
Concen: 3.928 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

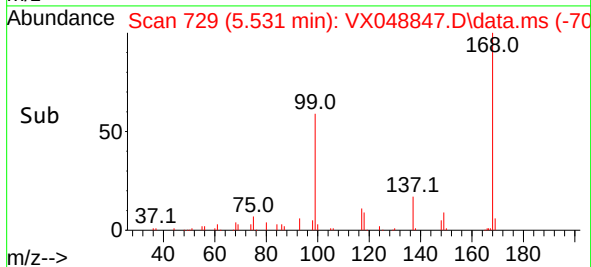
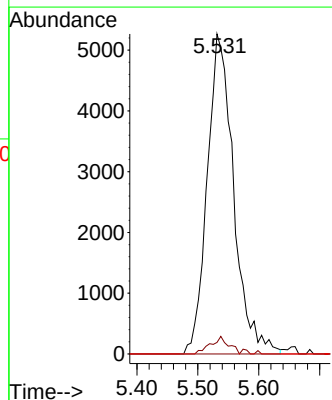
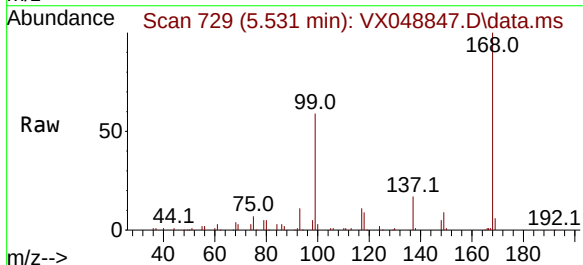
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

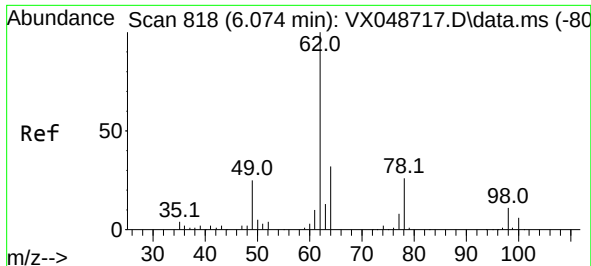
Tgt Ion: 75 Resp: 11505
Ion Ratio Lower Upper
75 100
110 9.5 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.778 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 117 Resp: 15853
Ion Ratio Lower Upper
117 100
119 3.6 80.5 120.7#
121 0.0 25.4 38.0#





#42

1,2-Dichloroethane

Concen: 0.244 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

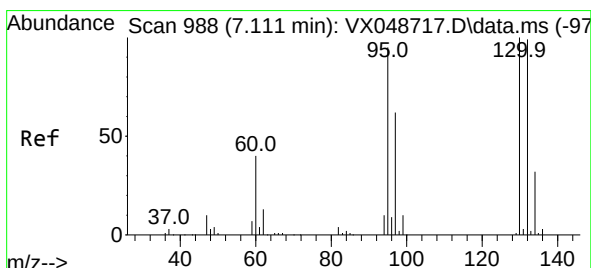
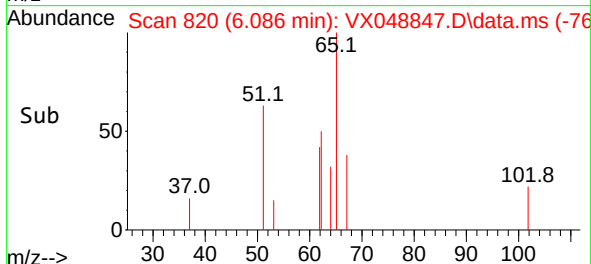
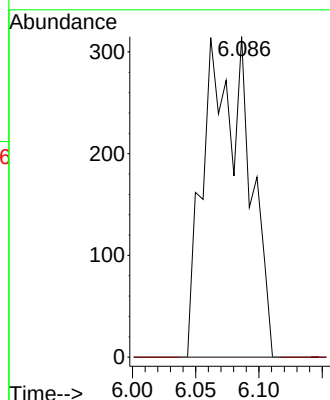
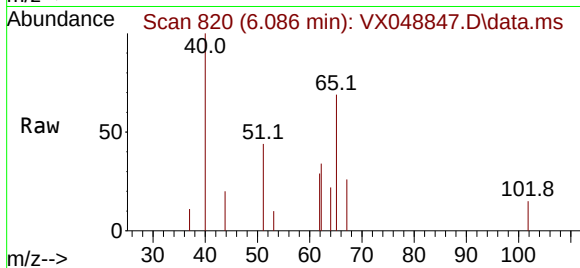
RMW-03B-90-120925DL

Tgt Ion: 62 Resp: 751

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 61.742 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048847.D

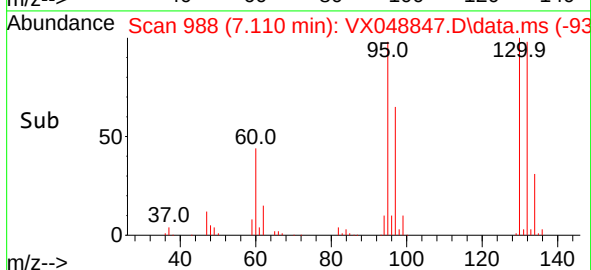
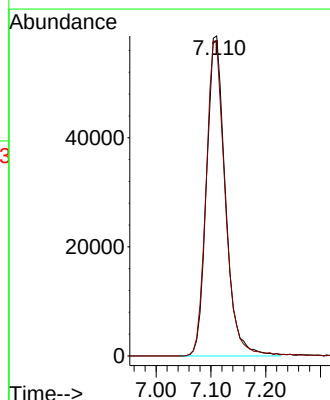
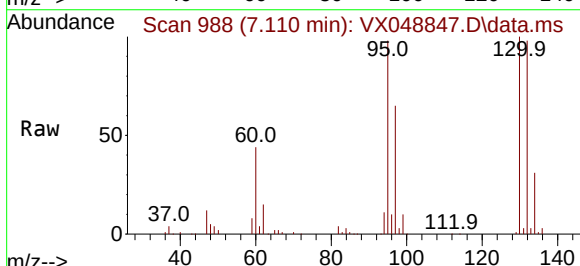
Acq: 12 Dec 2025 12:26

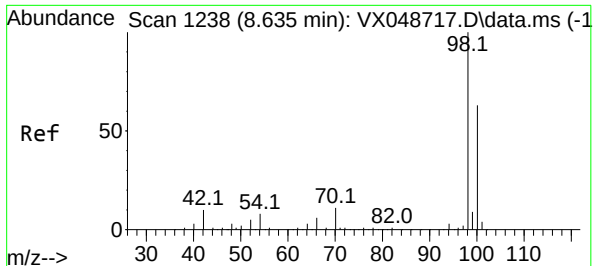
Tgt Ion:130 Resp: 139882

Ion Ratio Lower Upper

130 100

95 98.4 0.0 189.6

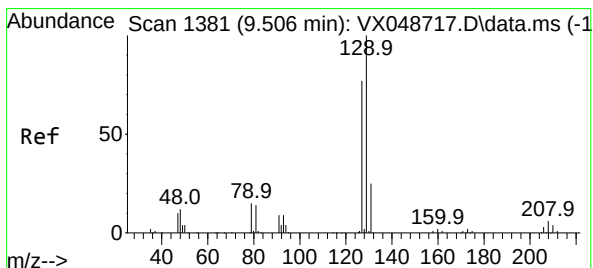
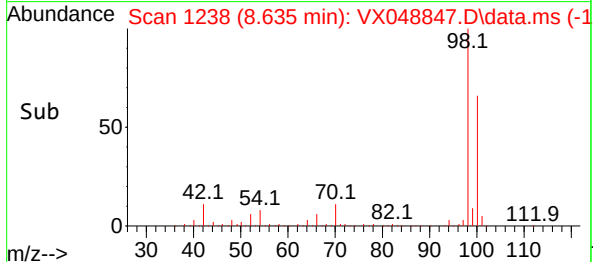
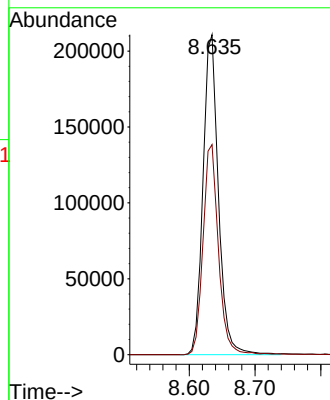
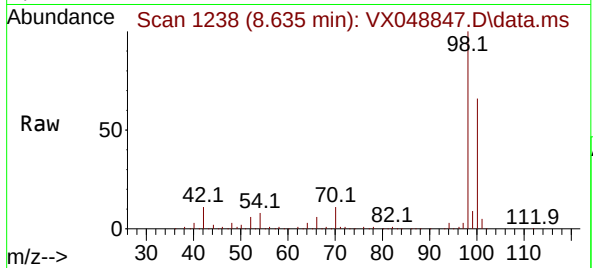




#50
Toluene-d8
Concen: 45.925 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

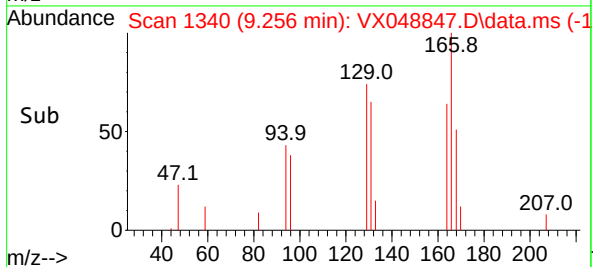
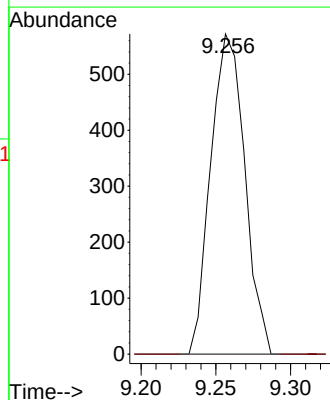
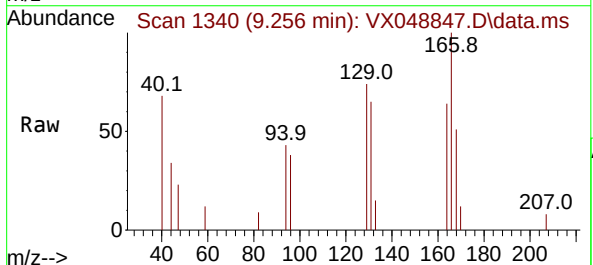
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

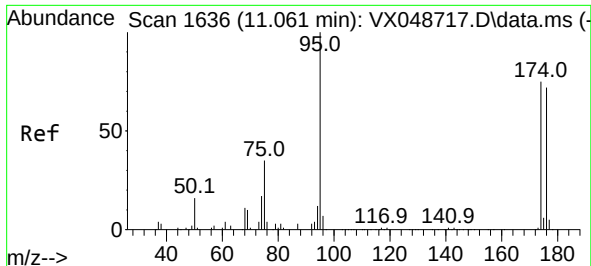
Tgt Ion: 98 Resp: 344261
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



#60
Dibromochloromethane
Concen: 0.348 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 129 Resp: 906
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#





#62

4-Bromofluorobenzene

Concen: 58.149 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925DL

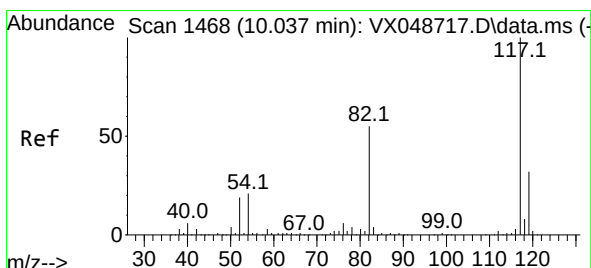
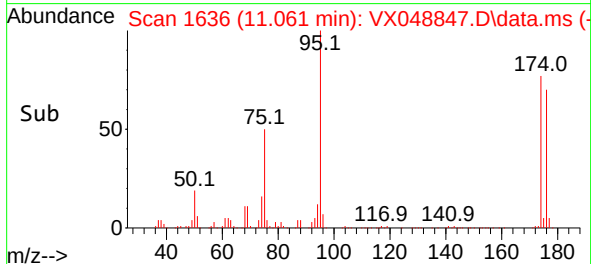
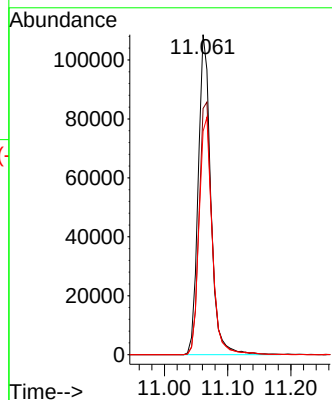
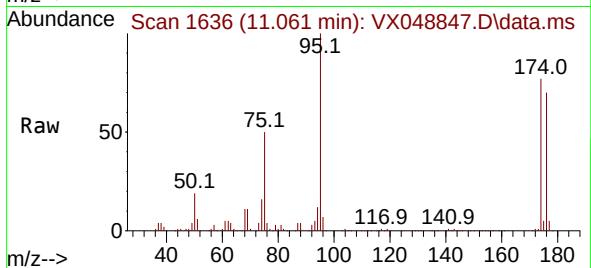
Tgt Ion: 95 Resp: 150309

Ion Ratio Lower Upper

95 100

174 81.4 0.0 157.8

176 77.6 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

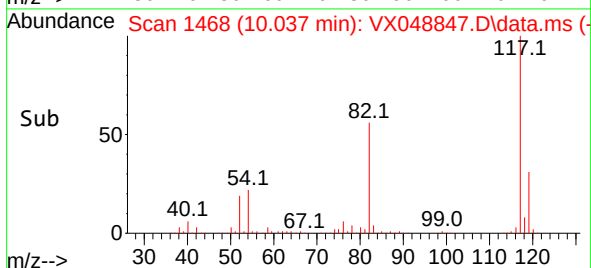
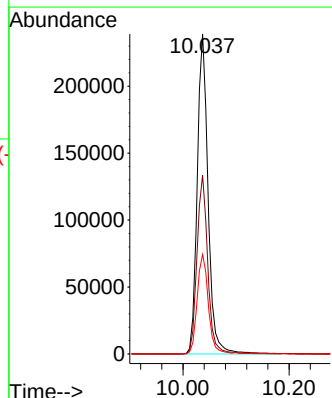
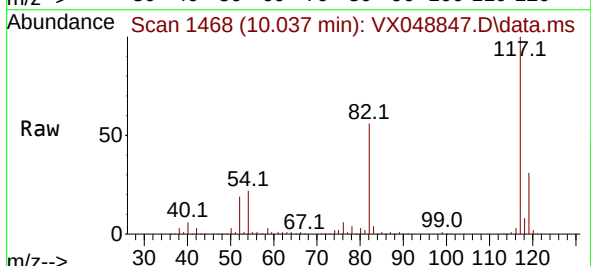
Tgt Ion: 117 Resp: 339410

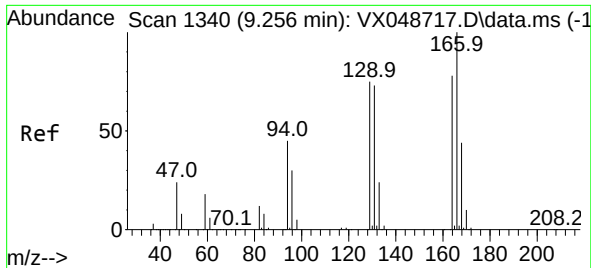
Ion Ratio Lower Upper

117 100

82 55.9 44.1 66.1

119 31.1 25.2 37.8



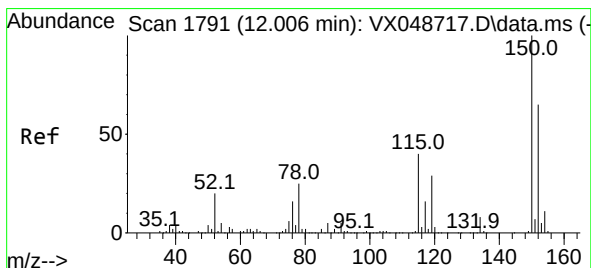
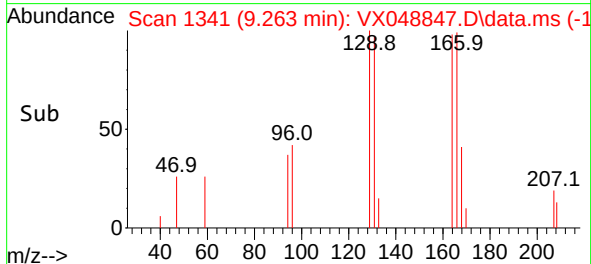
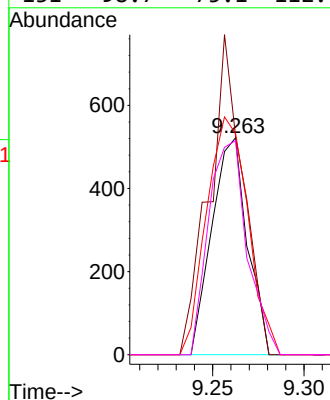
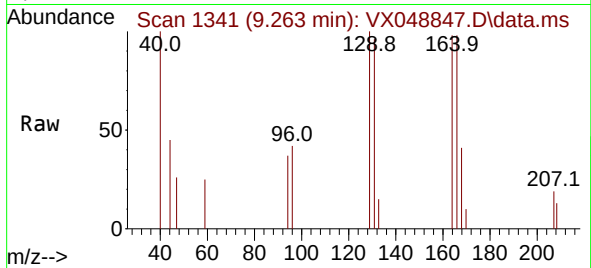


#64
Tetrachloroethene
Concen: 0.285 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

Tgt Ion:164 Resp: 705

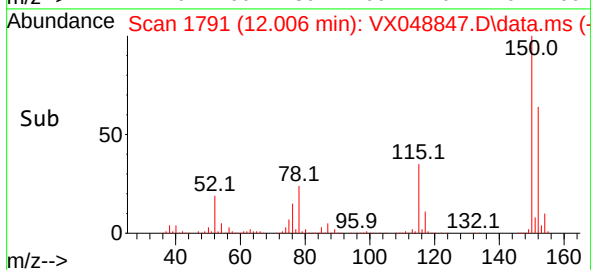
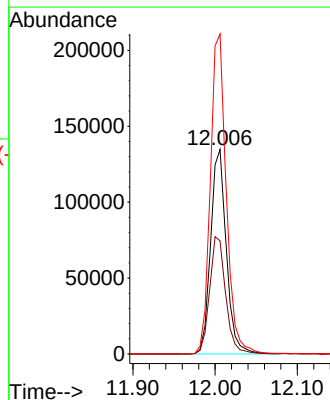
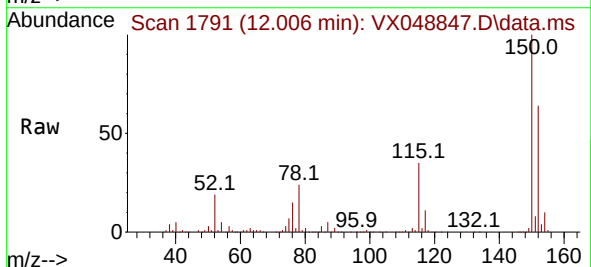
Ion	Ratio	Lower	Upper
164	100		
166	100.6	103.1	154.7#
129	101.9	76.9	115.3
131	98.7	75.1	112.7

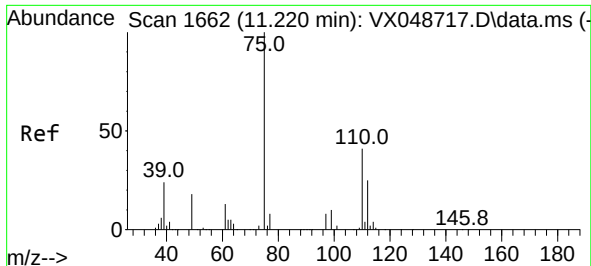


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion:152 Resp: 178609

Ion	Ratio	Lower	Upper
152	100		
115	58.7	42.1	126.4
150	159.0	0.0	347.8

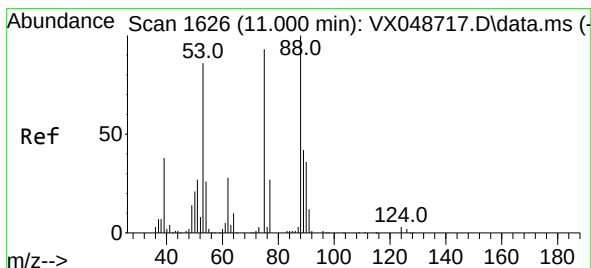
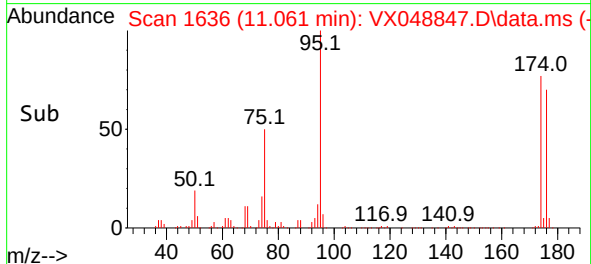
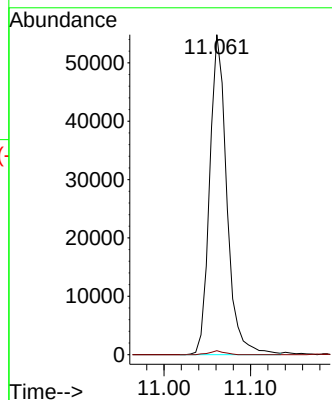
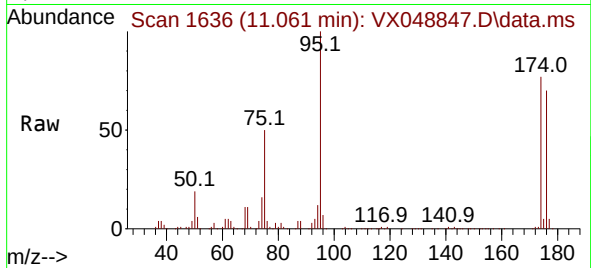




#76
1,2,3-Trichloropropane
Concen: 22.701 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

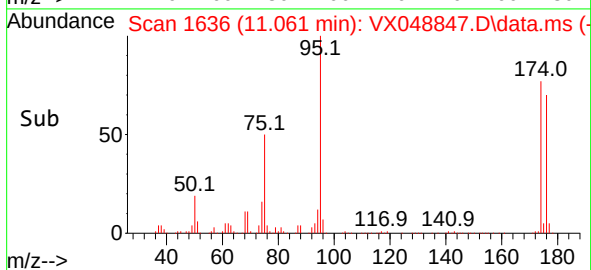
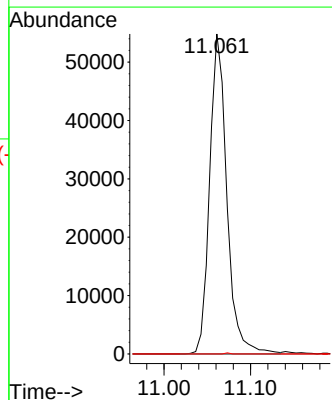
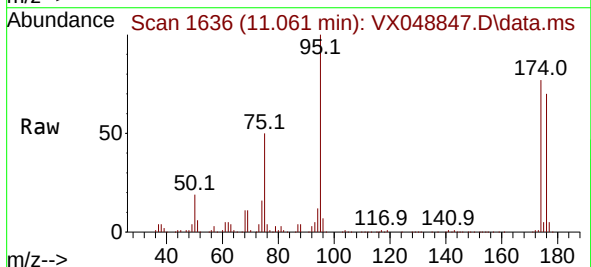
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

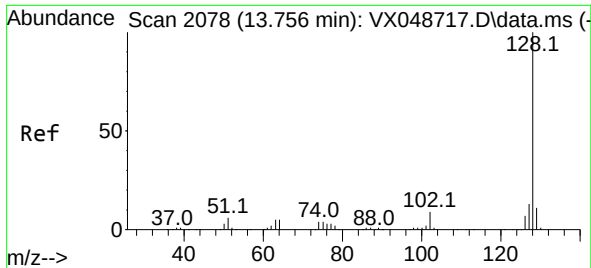
Tgt Ion: 75 Resp: 75517
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.923 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

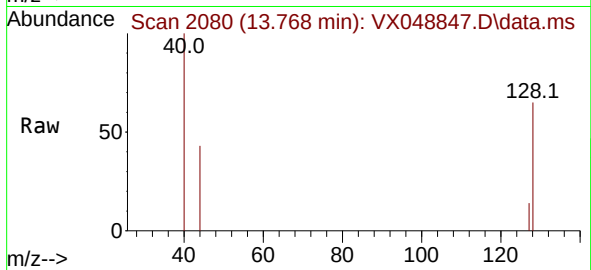
Tgt Ion: 75 Resp: 75517
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL



Tgt Ion:128 Resp: 395
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 0.0 8.6 13.0#

