

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048878.D
 Acq On : 15 Dec 2025 15:08
 Operator : JC/MD
 Sample : Q3863-01DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-55-121225DL

Quant Time: Dec 16 00:17:31 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)

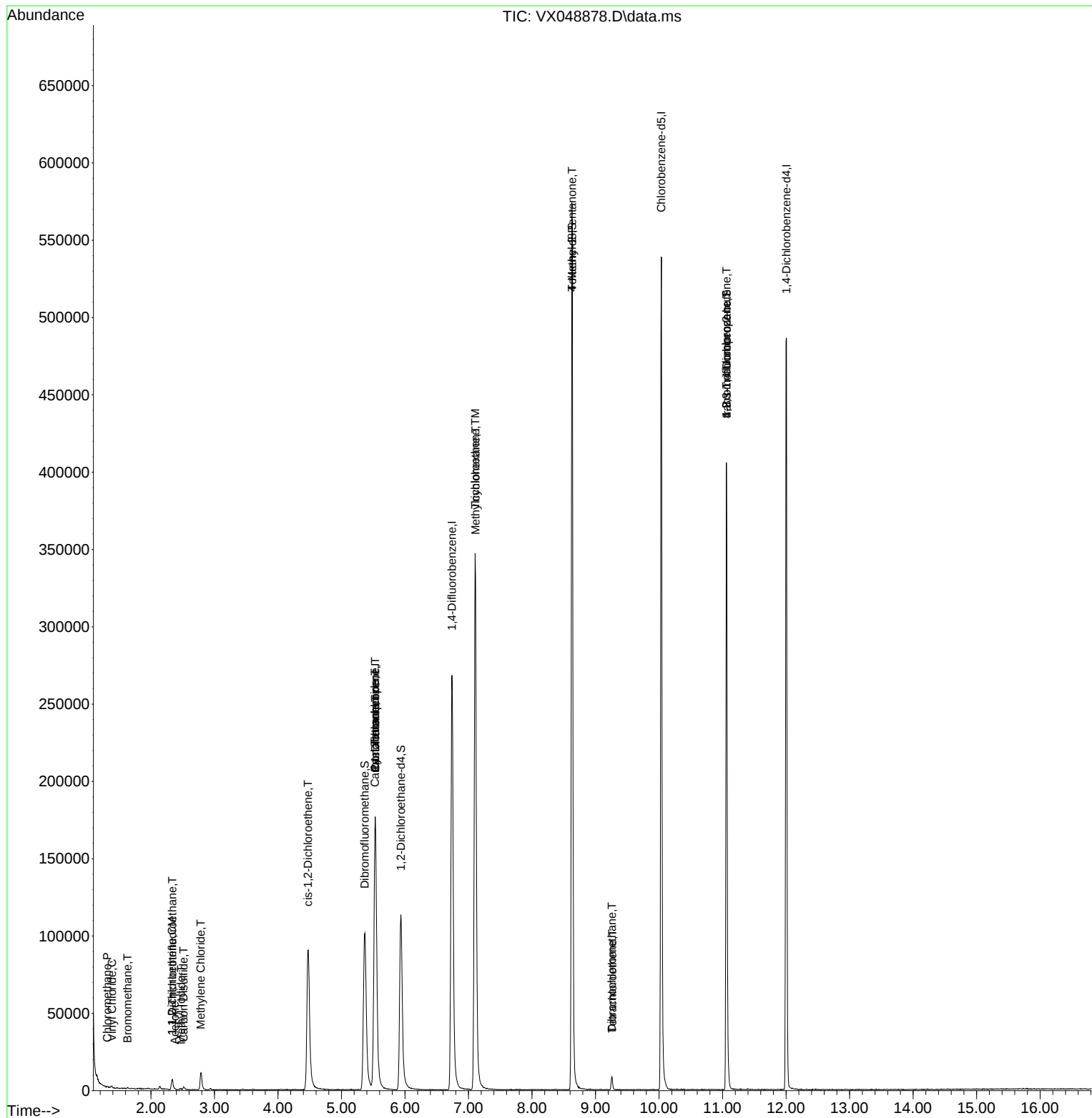
Internal Standards						
1) Pentafluorobenzene	5.531	168	182137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	301665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	126601	51.788	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.580%			
35) Dibromofluoromethane	5.367	113	103147	49.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.320%			
50) Toluene-d8	8.628	98	363041	49.863	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.720%			
62) 4-Bromofluorobenzene	11.061	95	112630	44.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.720%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	495	0.211	ug/l #	46
4) Vinyl Chloride	1.386	62	713	0.286	ug/l #	84
5) Bromomethane	1.630	94	474	0.308	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	2.337	101	2745	1.325	ug/l	97
10) Methyl Iodide	2.477	142	856	0.290	ug/l #	84
12) 1,1-Dichloroethene	2.331	96	516	0.244	ug/l #	74
16) Acetone	2.373	43	640	0.684	ug/l #	83
17) Carbon Disulfide	2.514	76	2658	0.433	ug/l #	87
20) Methylene Chloride	2.782	84	5700	2.437	ug/l #	89
27) cis-1,2-Dichloroethene	4.471	96	66900	27.465	ug/l	96
31) Cyclohexane	5.531	56	3558	1.077	ug/l #	14
36) 1,1-Dichloropropene	5.531	75	14169	4.981	ug/l #	49
38) Carbon Tetrachloride	5.525	117	18639	5.784	ug/l #	15
39) Methylcyclohexane	7.110	83	1801	0.535	ug/l #	1
44) Trichloroethene	7.104	130	149597	67.983	ug/l	98
51) 4-Methyl-2-Pentanone	8.628	43	1503	0.470	ug/l #	1
60) Dibromochloromethane	9.256	129	1686	0.666	ug/l #	11
64) Tetrachloroethene	9.262	164	1992	1.030	ug/l #	79
76) 1,2,3-Trichloropropane	11.061	75	57658	27.824	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	57658	66.094	ug/l #	3

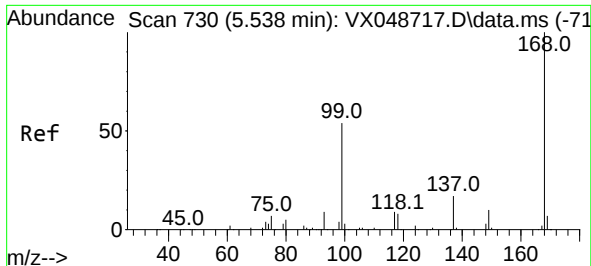
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
MW-17B-55-121225DL

Quant Time: Dec 16 00:17:31 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

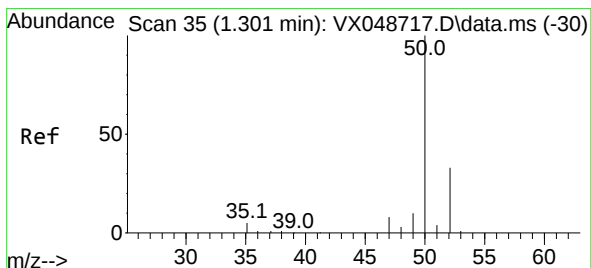
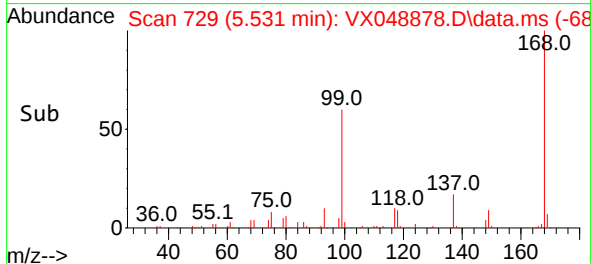
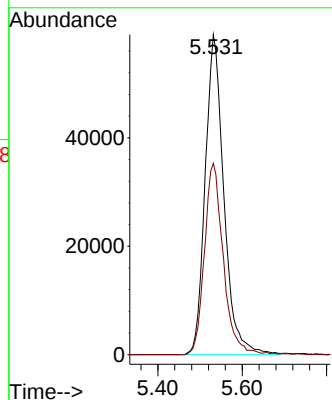
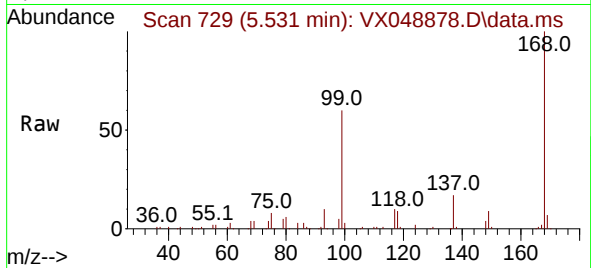




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

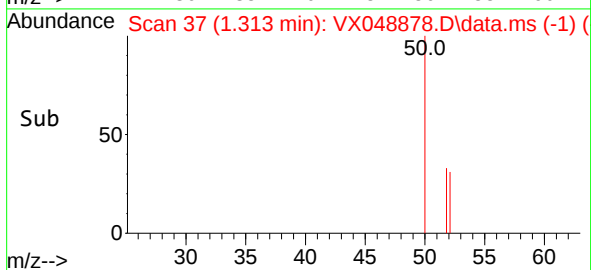
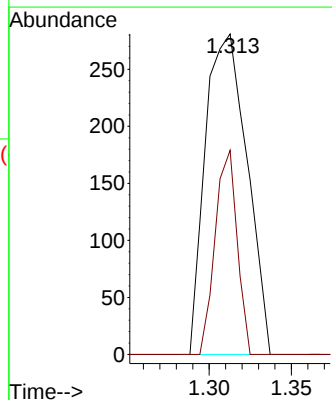
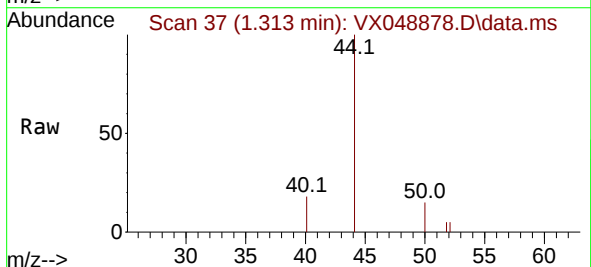
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

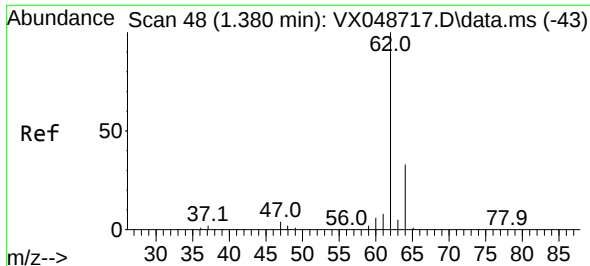
Tgt Ion:168 Resp: 182137
Ion Ratio Lower Upper
168 100
99 59.8 44.2 66.4



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 63.7 26.4 39.6#

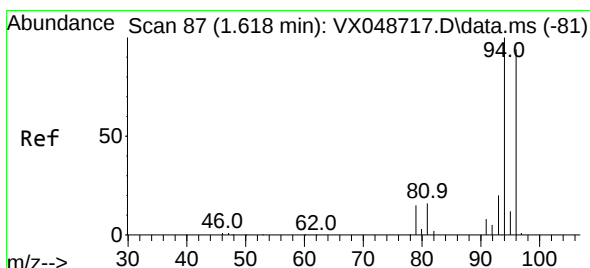
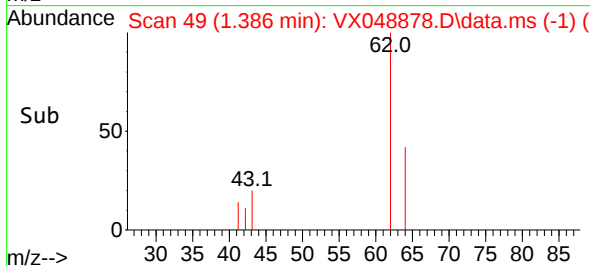
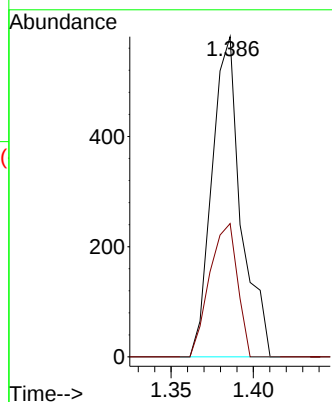
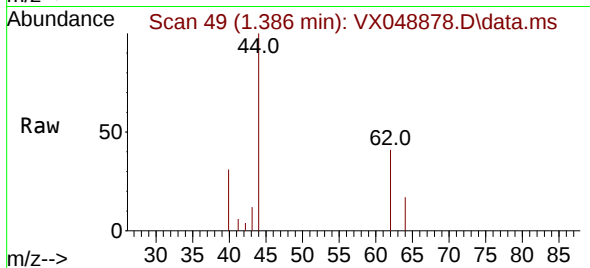




#4
 Vinyl Chloride
 Concen: 0.286 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. 0.006 min
 Lab File: VX048878.D
 Acq: 15 Dec 2025 15:08

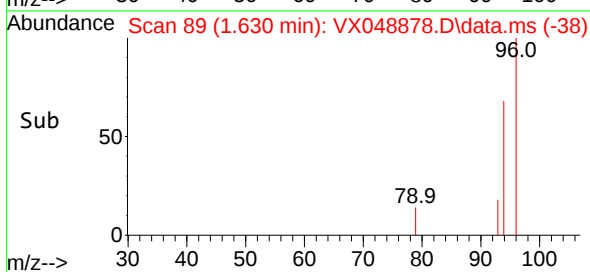
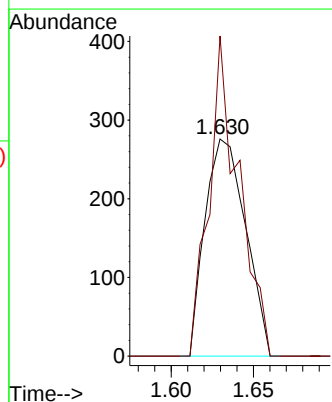
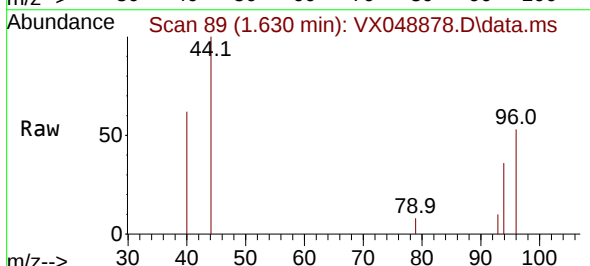
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-55-121225DL

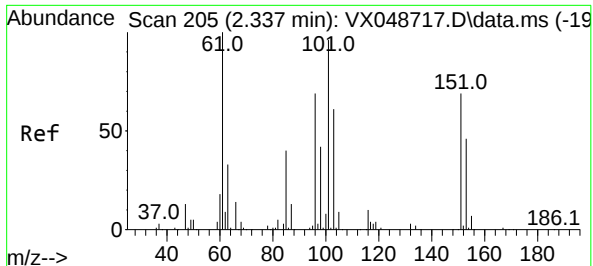
Tgt Ion: 62 Resp: 713
 Ion Ratio Lower Upper
 62 100
 64 41.7 26.0 39.0#



#5
 Bromomethane
 Concen: 0.308 ug/l
 RT: 1.630 min Scan# 89
 Delta R.T. 0.012 min
 Lab File: VX048878.D
 Acq: 15 Dec 2025 15:08

Tgt Ion: 94 Resp: 474
 Ion Ratio Lower Upper
 94 100
 96 147.5 75.2 112.8#

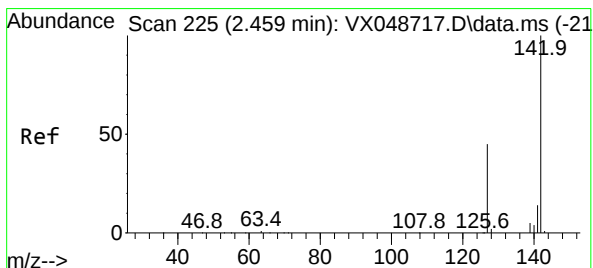
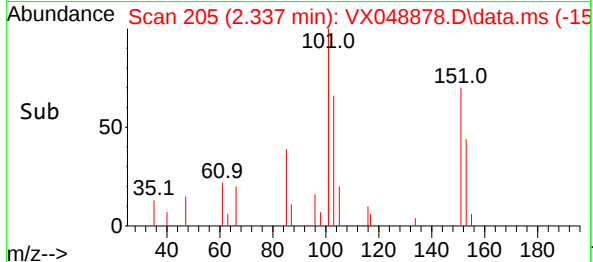
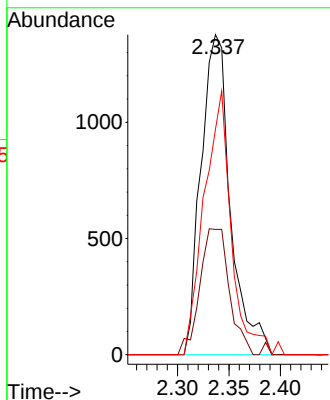
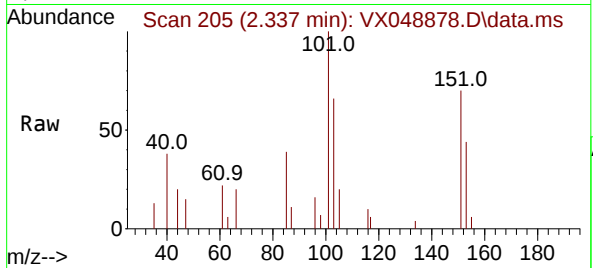




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.325 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

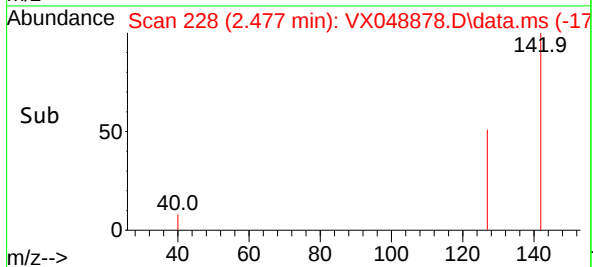
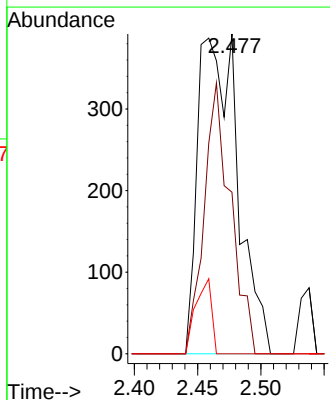
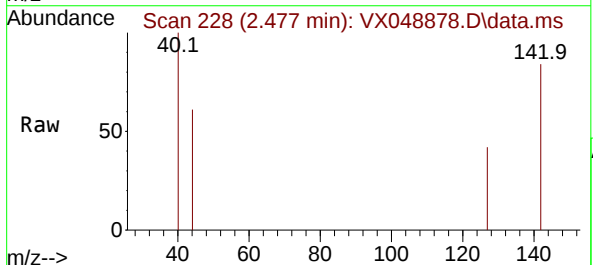
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

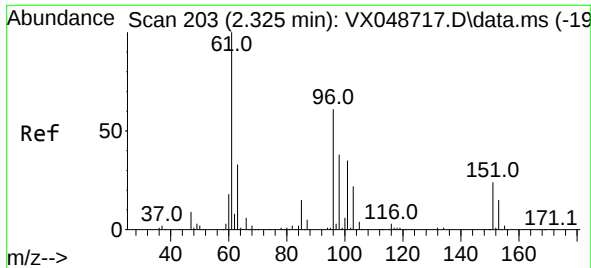
Tgt Ion:101	Resp:	2745
Ion Ratio	Lower	Upper
101	100	
85	39.5	34.2 51.2
151	76.3	60.2 90.4



#10
Methyl Iodide
Concen: 0.290 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.018 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion:142	Resp:	856
Ion Ratio	Lower	Upper
142	100	
127	56.3	35.8 53.6#
141	9.3	11.1 16.7#





#12

1,1-Dichloroethene

Concen: 0.244 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX048878.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-55-121225DL

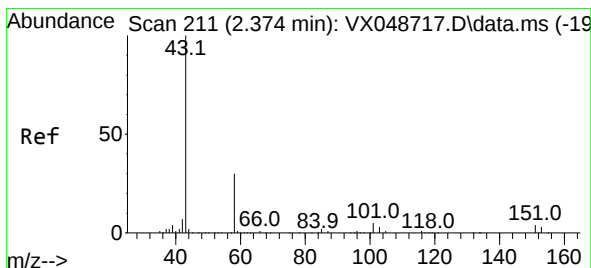
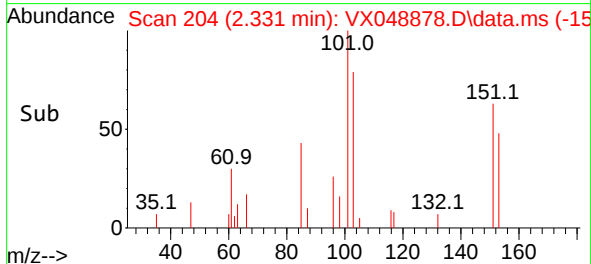
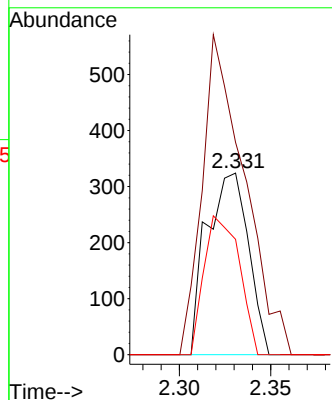
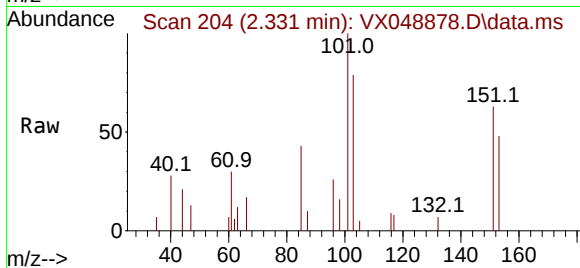
Tgt Ion: 96 Resp: 516

Ion Ratio Lower Upper

96 100

61 117.0 130.7 196.1#

98 63.6 49.8 74.8



#16

Acetone

Concen: 0.684 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048878.D

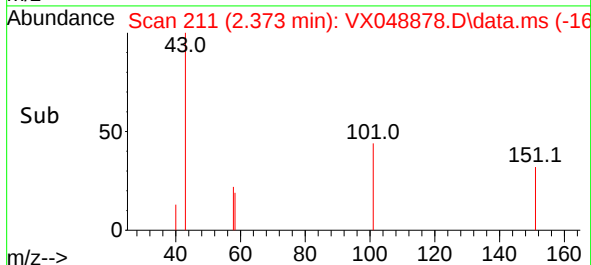
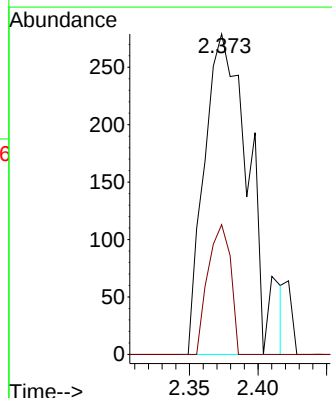
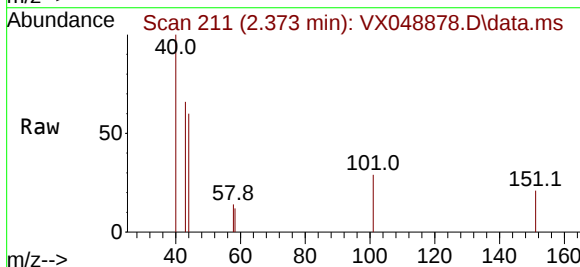
Acq: 15 Dec 2025 15:08

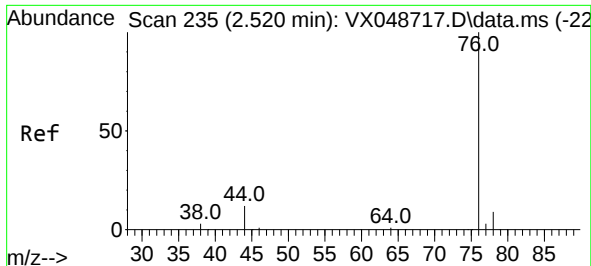
Tgt Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

58 40.5 25.0 37.4#

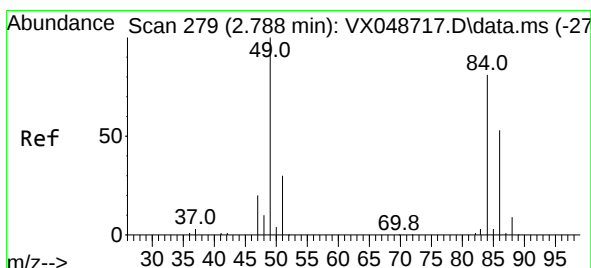
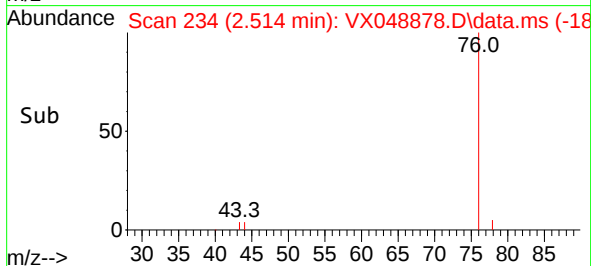
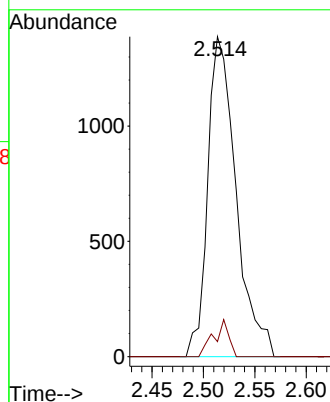
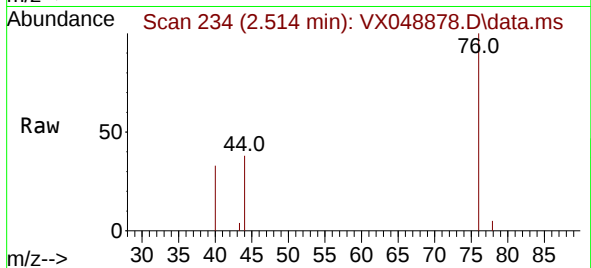




#17
Carbon Disulfide
Concen: 0.433 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

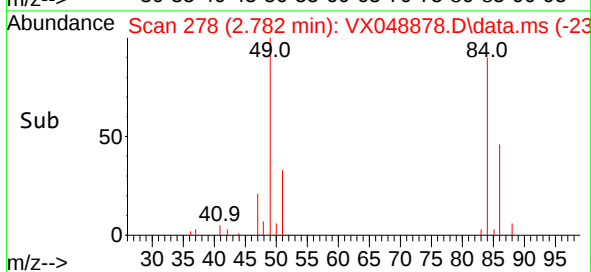
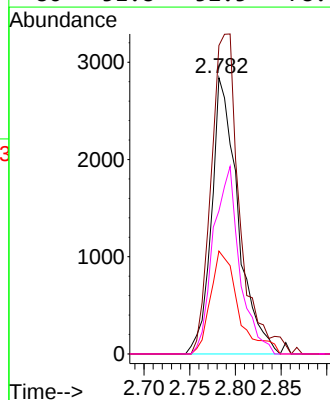
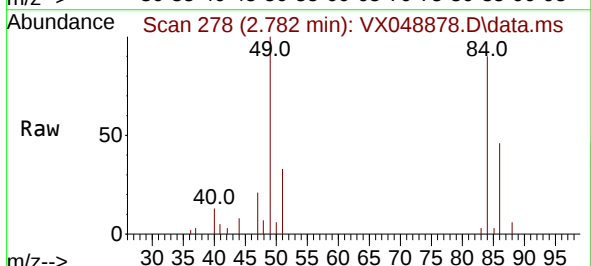
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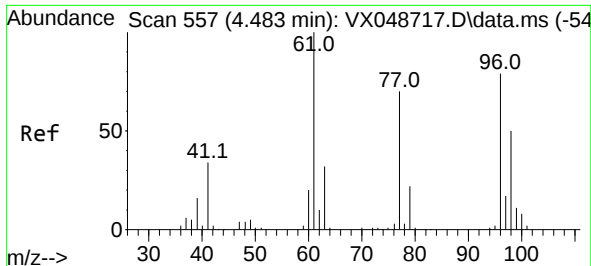
Tgt Ion: 76 Resp: 2658
Ion Ratio Lower Upper
76 100
78 4.7 7.4 11.2#



#20
Methylene Chloride
Concen: 2.437 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 84 Resp: 5700
Ion Ratio Lower Upper
84 100
49 111.7 98.7 148.1
51 37.3 29.4 44.2
86 51.8 52.5 78.7#

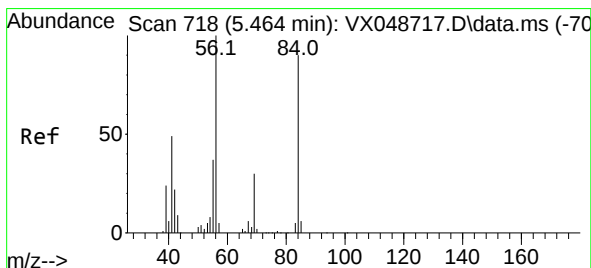
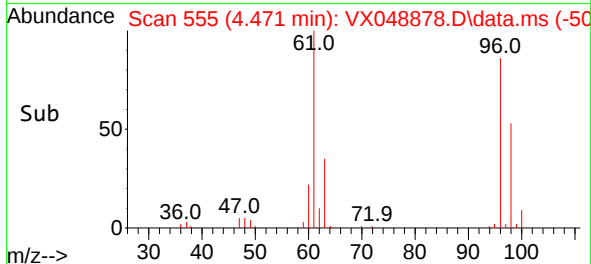
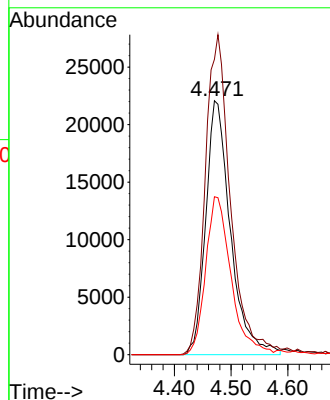
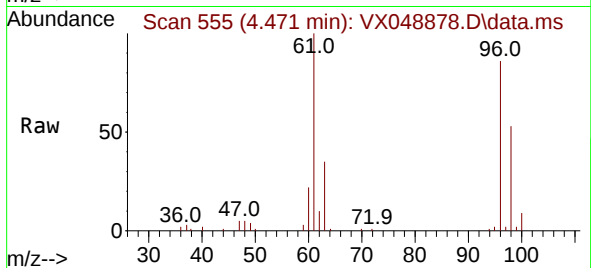




#27
 cis-1,2-Dichloroethene
 Concen: 27.465 ug/l
 RT: 4.471 min Scan# 511
 Delta R.T. -0.012 min
 Lab File: VX048878.D
 Acq: 15 Dec 2025 15:08

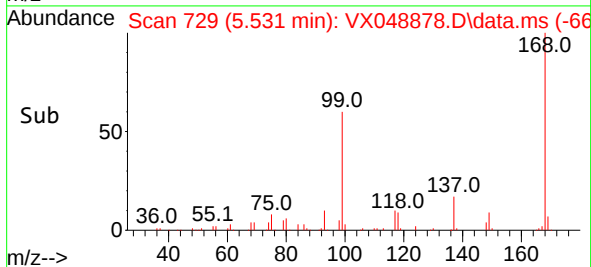
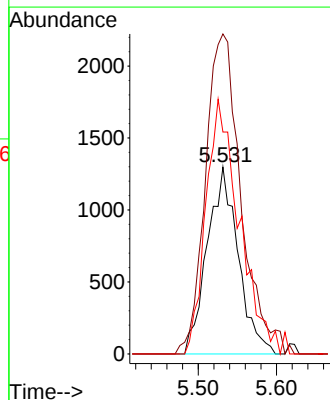
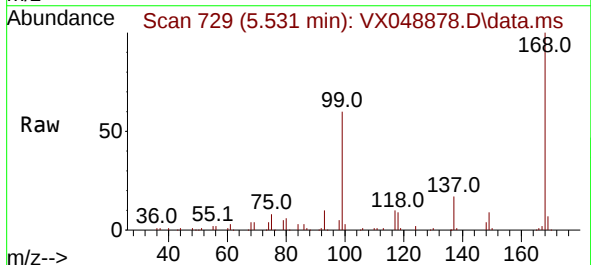
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 MW-17B-55-121225DL

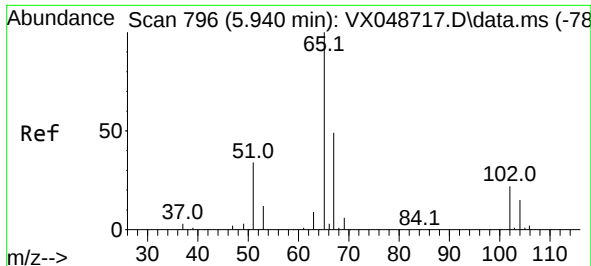
Tgt Ion: 96	Resp: 66900
Ion Ratio	Lower Upper
96 100	
61 129.2	0.0 271.0
98 63.8	0.0 130.2



#31
 Cyclohexane
 Concen: 1.077 ug/l
 RT: 5.531 min Scan# 729
 Delta R.T. 0.067 min
 Lab File: VX048878.D
 Acq: 15 Dec 2025 15:08

Tgt Ion: 56	Resp: 3558
Ion Ratio	Lower Upper
56 100	
69 166.7	24.2 36.2#
84 118.8	72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 51.788 ug/l

RT: 5.934 min Scan# 796

Delta R.T. -0.006 min

Lab File: VX048878.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_X

ClientSampleId :

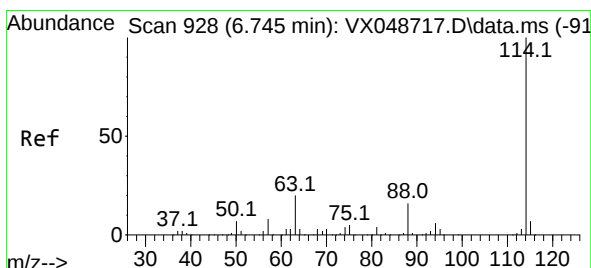
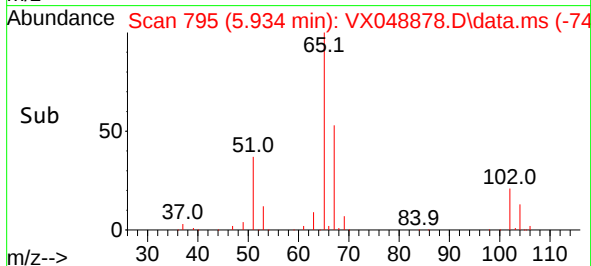
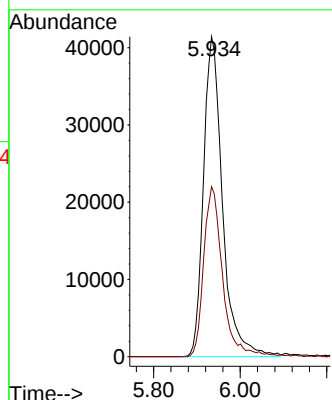
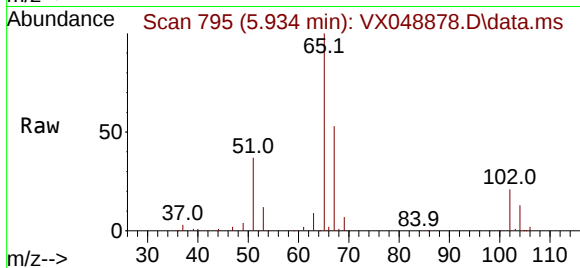
MW-17B-55-121225DL

Tgt Ion: 65 Resp: 126601

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048878.D

Acq: 15 Dec 2025 15:08

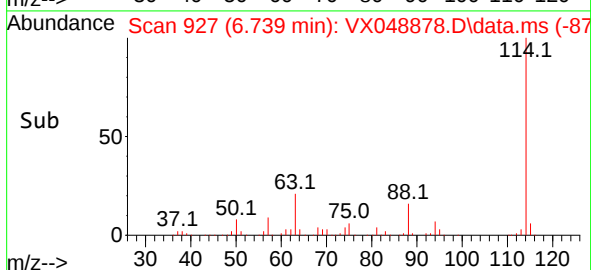
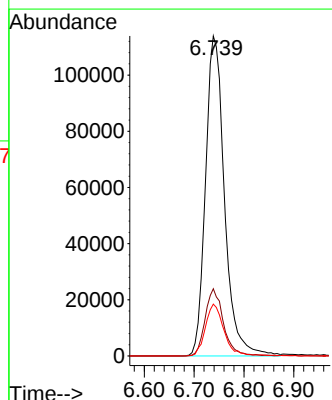
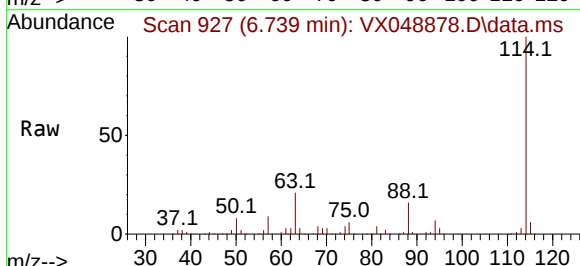
Tgt Ion: 114 Resp: 301665

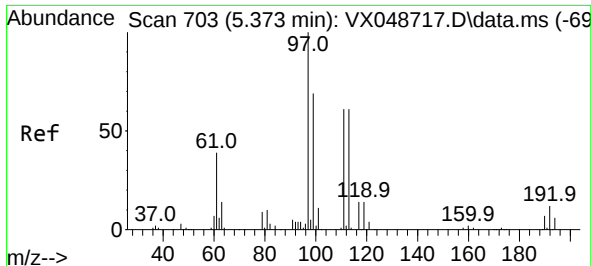
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 16.2 0.0 31.8

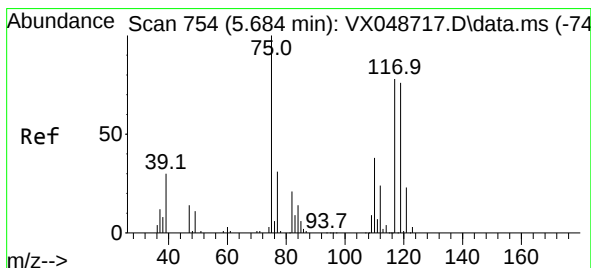
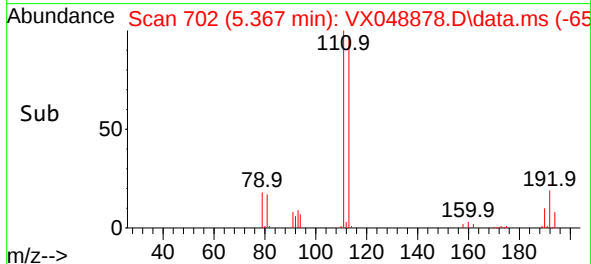
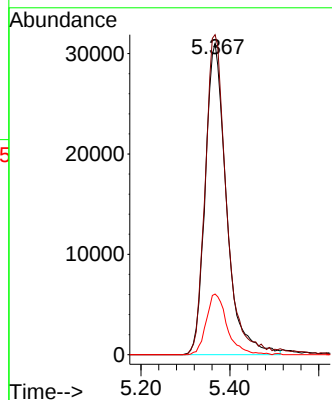
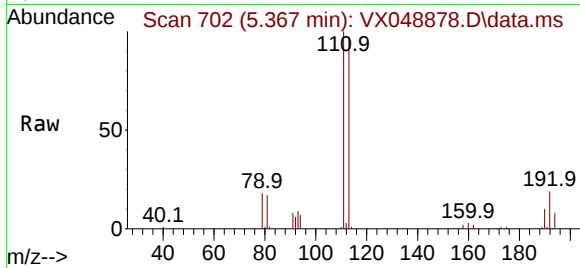




#35
Dibromofluoromethane
Concen: 49.660 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

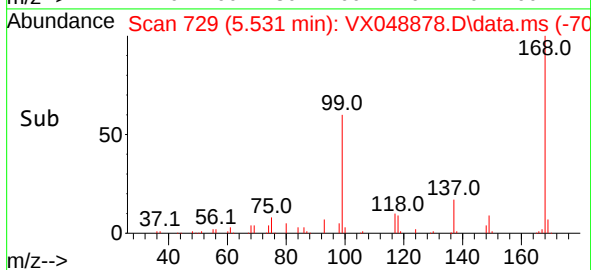
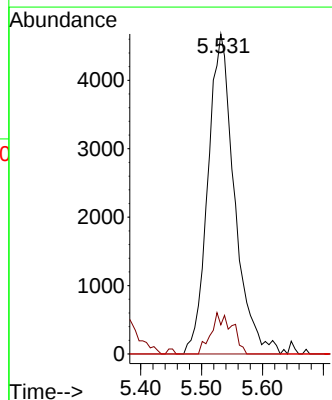
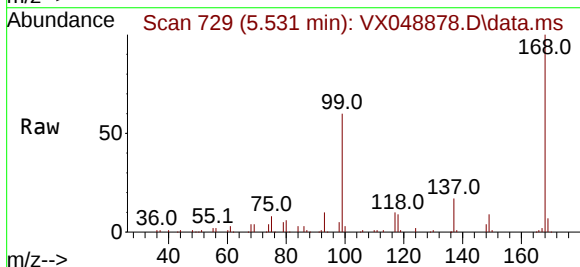
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

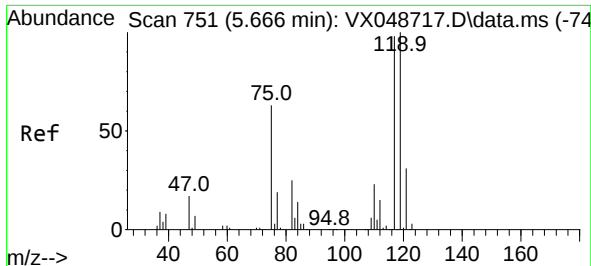
Tgt Ion:113 Resp: 103147
Ion Ratio Lower Upper
113 100
111 102.3 79.5 119.3
192 19.2 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.153 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 75 Resp: 14169
Ion Ratio Lower Upper
75 100
110 10.3 18.6 55.8#
77 0.0 25.3 37.9#

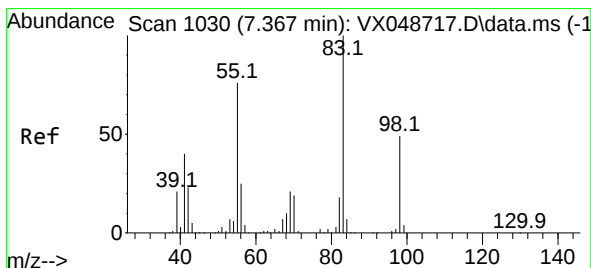
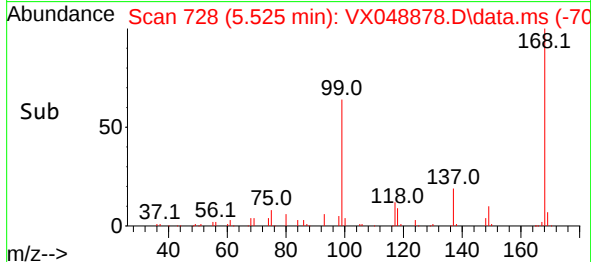
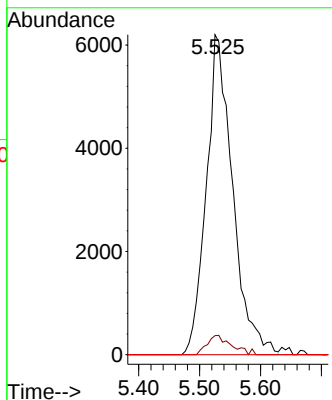
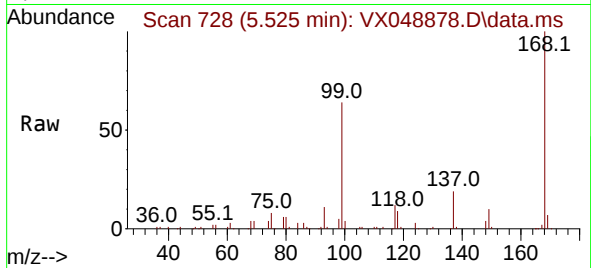




#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 5.525 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

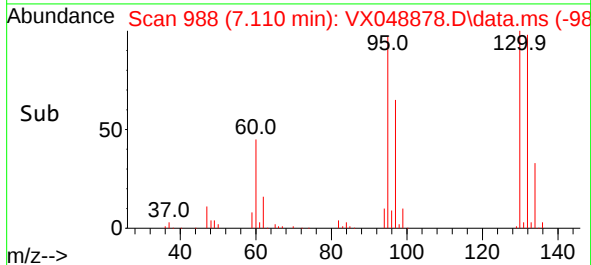
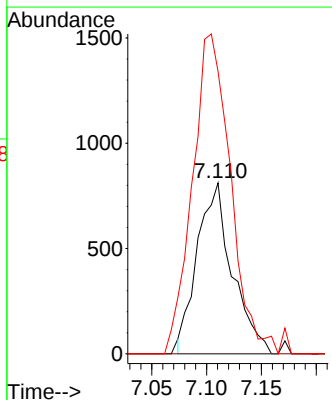
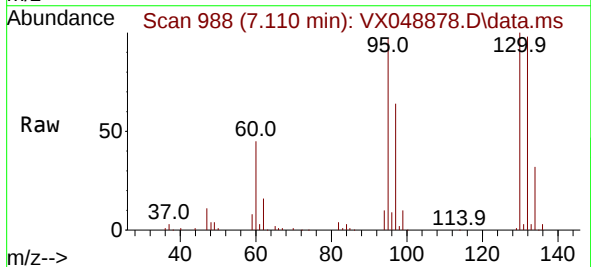
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

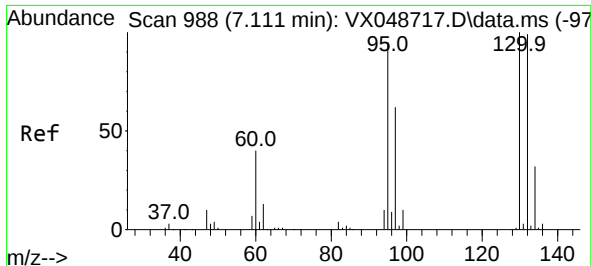
Tgt Ion:117 Resp: 18639
Ion Ratio Lower Upper
117 100
119 6.0 80.5 120.7#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 0.535 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.256 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 83 Resp: 1801
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 165.1 39.3 58.9#

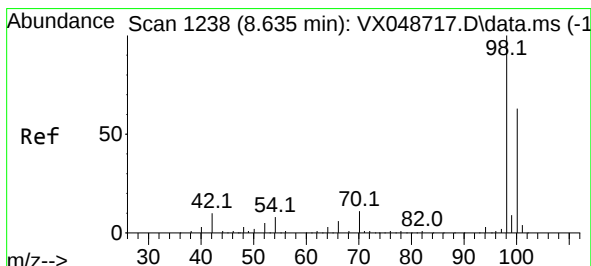
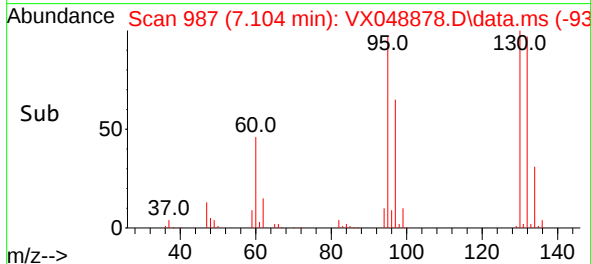
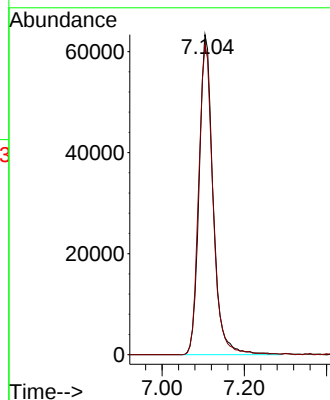
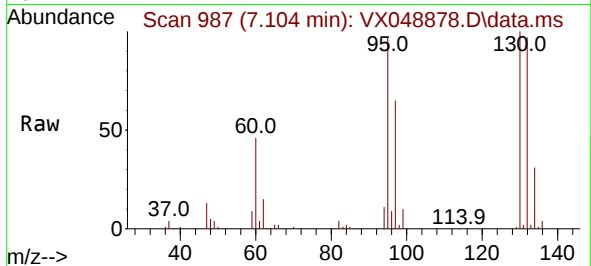




#44
 Trichloroethene
 Concen: 67.983 ug/l
 RT: 7.104 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX048878.D
 Acq: 15 Dec 2025 15:08

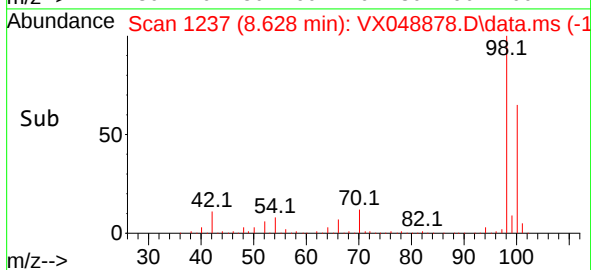
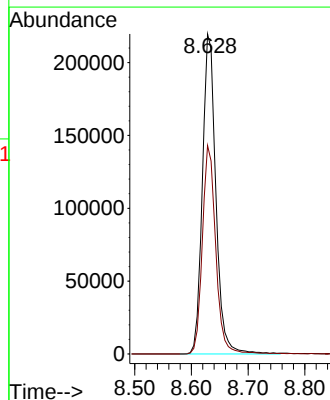
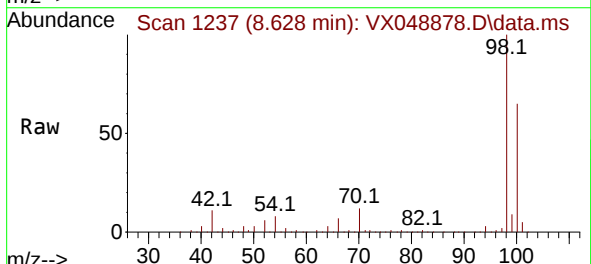
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-55-121225DL

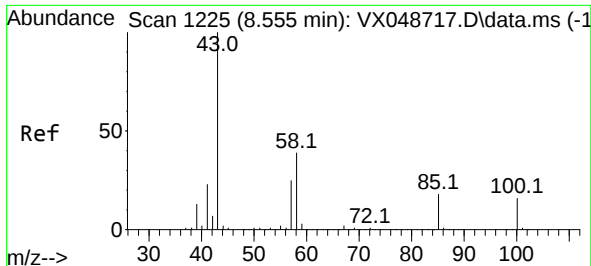
Tgt Ion:130 Resp: 149597
 Ion Ratio Lower Upper
 130 100
 95 97.0 0.0 189.6



#50
 Toluene-d8
 Concen: 49.863 ug/l
 RT: 8.628 min Scan# 1237
 Delta R.T. -0.006 min
 Lab File: VX048878.D
 Acq: 15 Dec 2025 15:08

Tgt Ion: 98 Resp: 363041
 Ion Ratio Lower Upper
 98 100
 100 65.0 53.4 80.0

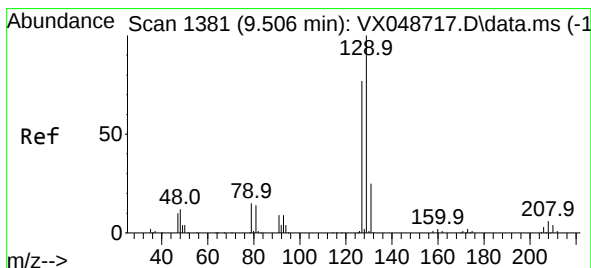
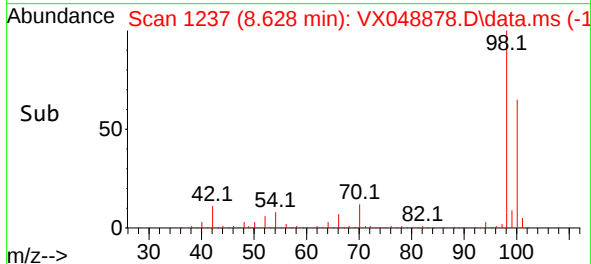
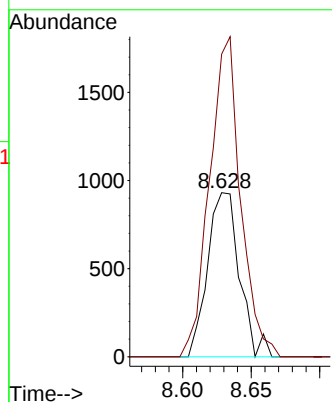
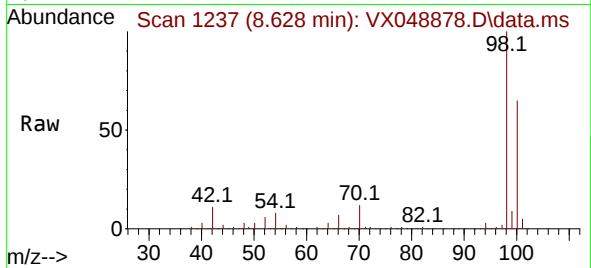




#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

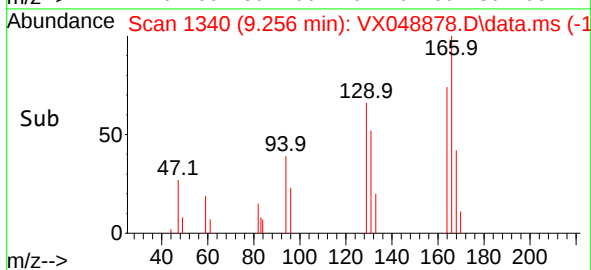
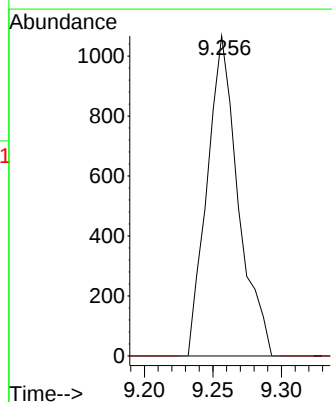
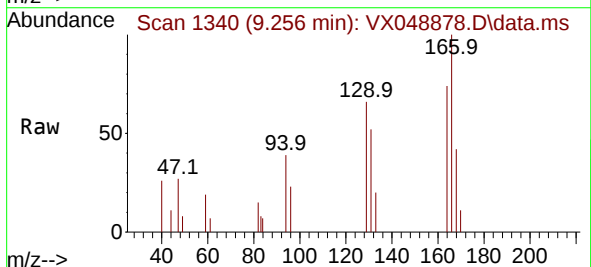
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

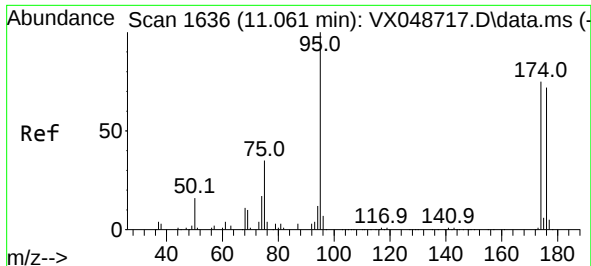
Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
58 190.1 32.2 48.4#



#60
Dibromochloromethane
Concen: 0.666 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 129 Resp: 1686
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

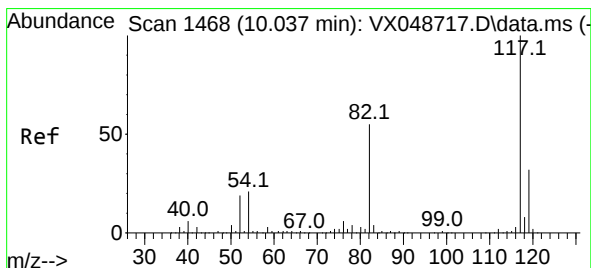
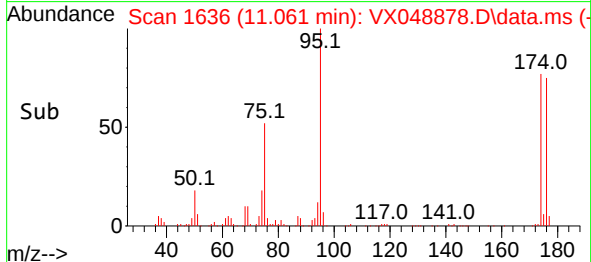
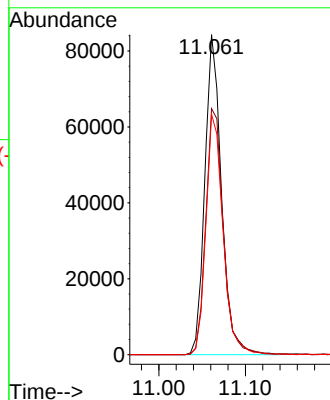
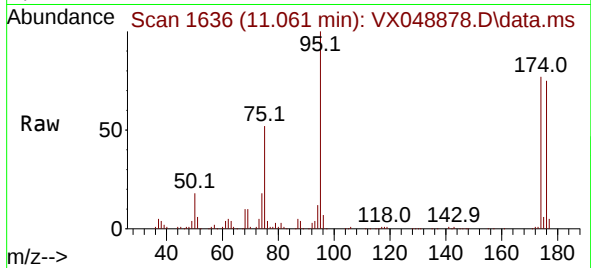




#62
4-Bromofluorobenzene
Concen: 44.861 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

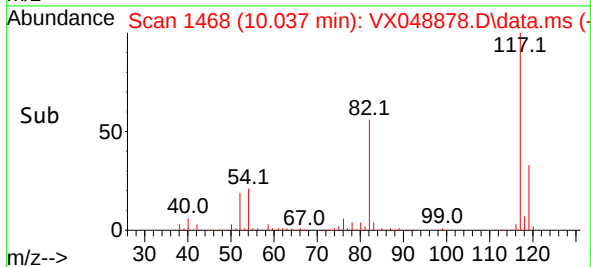
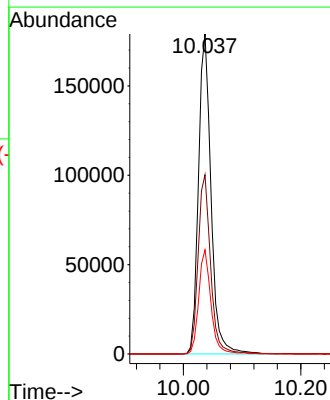
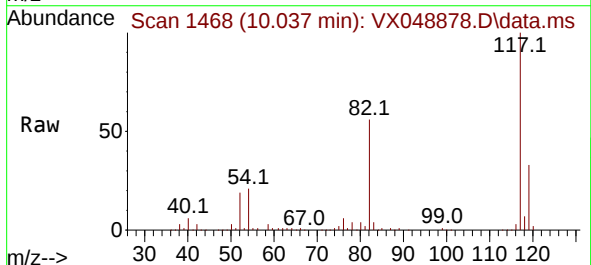
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

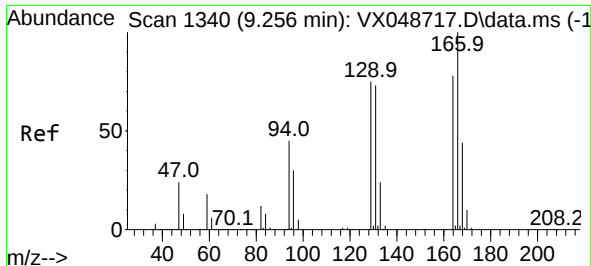
Tgt Ion: 95 Resp: 112630
Ion Ratio Lower Upper
95 100
174 81.3 0.0 157.8
176 77.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 117 Resp: 265370
Ion Ratio Lower Upper
117 100
82 56.0 44.1 66.1
119 32.5 25.2 37.8

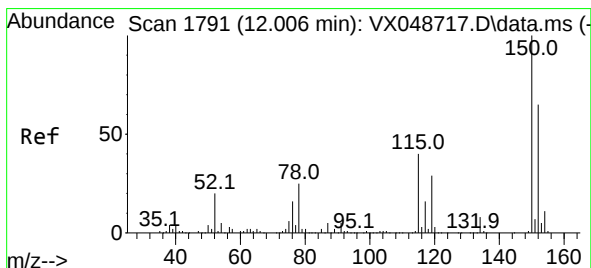
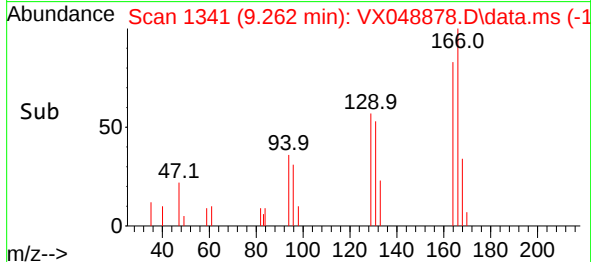
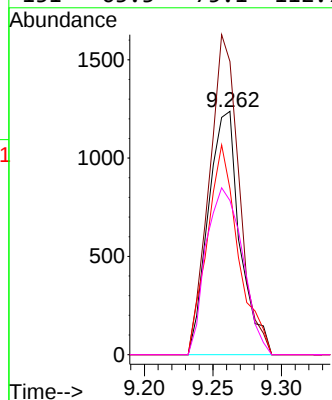
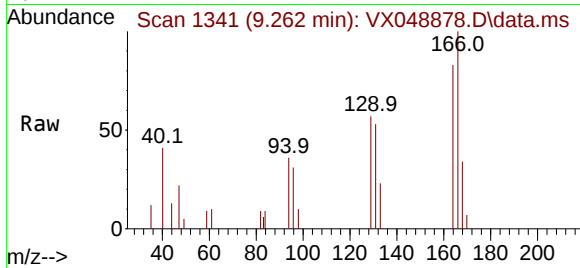




#64
Tetrachloroethene
Concen: 1.030 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

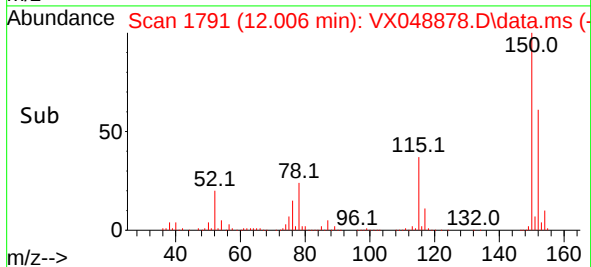
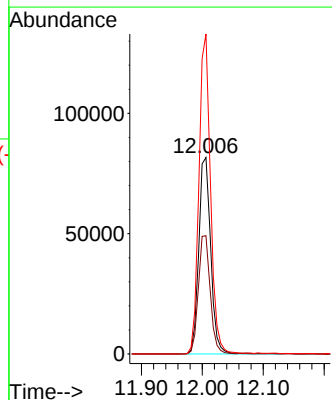
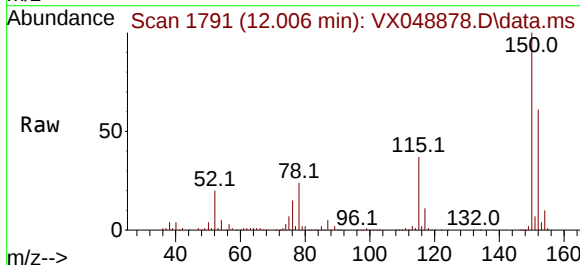
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

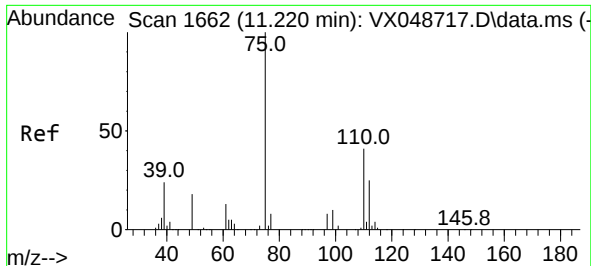
Tgt Ion:164 Resp: 1992
Ion Ratio Lower Upper
164 100
166 120.4 103.1 154.7
129 68.2 76.9 115.3#
131 63.3 75.1 112.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion:152 Resp: 111258
Ion Ratio Lower Upper
152 100
115 59.7 42.1 126.4
150 156.8 0.0 347.8

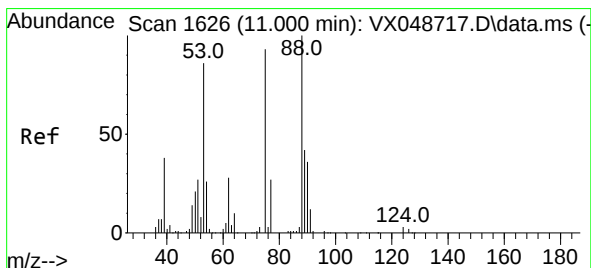
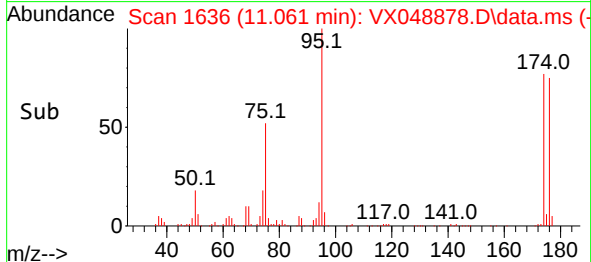
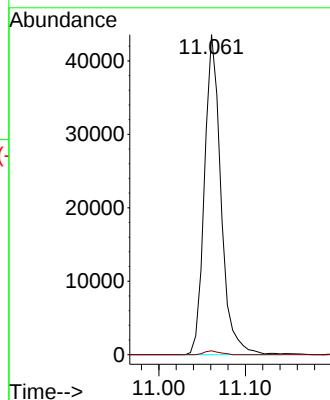
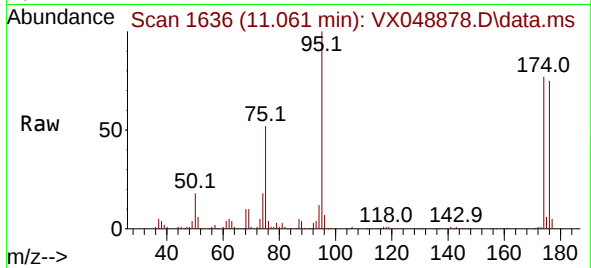




#76
1,2,3-Trichloropropane
Concen: 27.824 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-121225DL

Tgt Ion: 75 Resp: 57658
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.094 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048878.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 75 Resp: 57658
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#

