

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045412.D
 Acq On : 24 Mar 2025 14:07
 Operator : JC/MD
 Sample : Q1608-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GM38-RW3-MW1-20250318

Quant Time: Mar 25 01:33:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

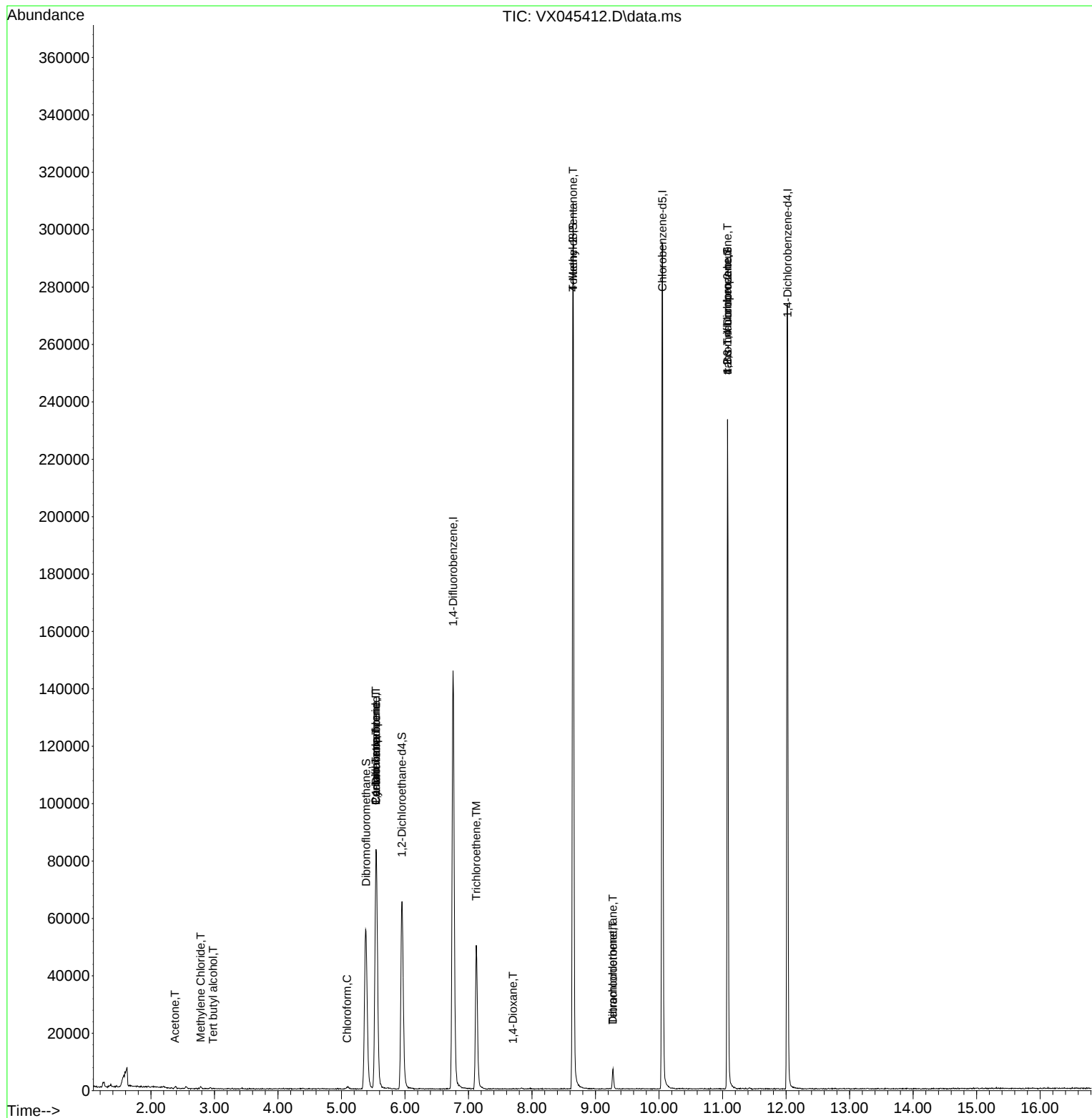
Internal Standards						
1) Pentafluorobenzene	5.543	168	72484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64677	56.096	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.200%	
35) Dibromofluoromethane	5.385	113	49839	52.115	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.220%	
50) Toluene-d8	8.647	98	174748	50.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	11.079	95	59982	52.210	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	132	0.604	ug/l #	73
16) Acetone	2.379	43	905	1.692	ug/l	96
20) Methylene Chloride	2.782	84	393	0.371	ug/l #	70
30) Chloroform	5.086	83	919	0.512	ug/l	88
31) Cyclohexane	5.543	56	2189	1.395	ug/l #	22
36) 1,1-Dichloropropene	5.543	75	7231	5.513	ug/l #	49
38) Carbon Tetrachloride	5.543	117	8420	6.324	ug/l #	16
44) Trichloroethene	7.122	130	18390	18.911	ug/l	98
49) 1,4-Dioxane	7.702	88	86	3.252	ug/l #	23
51) 4-Methyl-2-Pentanone	8.647	43	1149	0.685	ug/l #	1
60) Dibromochloromethane	9.274	129	1225	1.171	ug/l #	11
64) Tetrachloroethene	9.274	164	1290	1.564	ug/l #	81
76) 1,2,3-Trichloropropane	11.079	75	33657	27.779	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33657	95.064	ug/l #	6

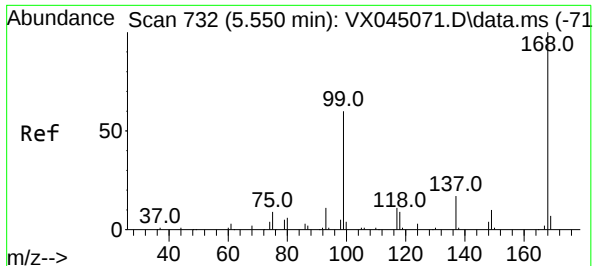
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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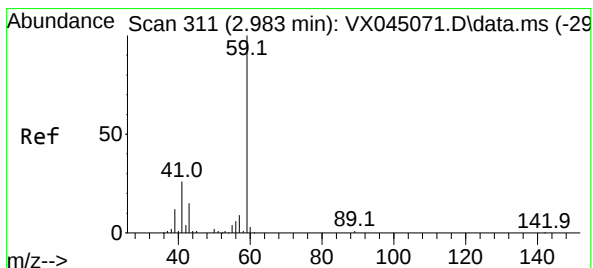
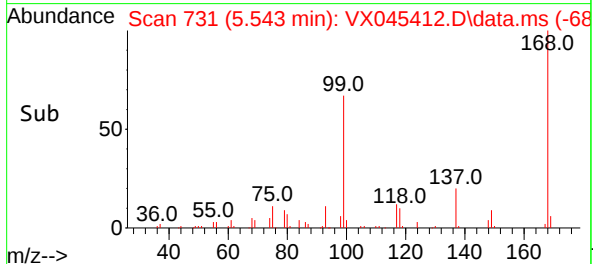
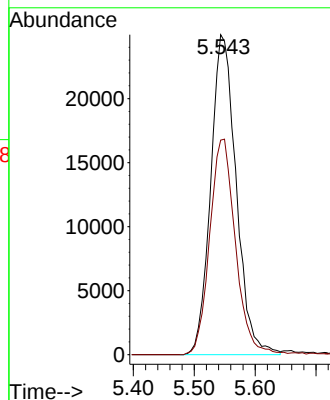
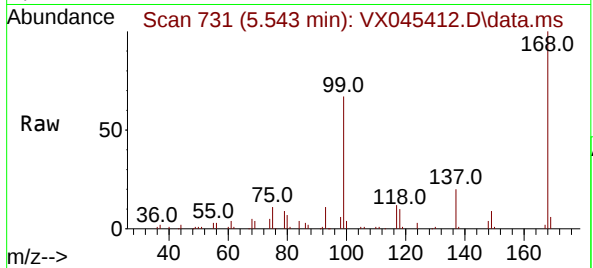




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

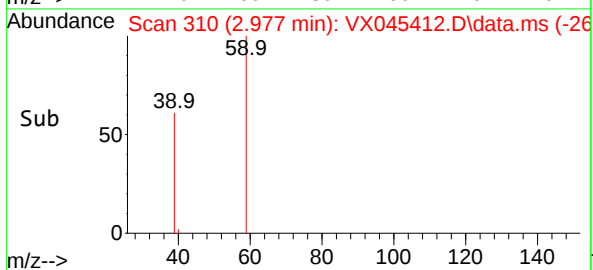
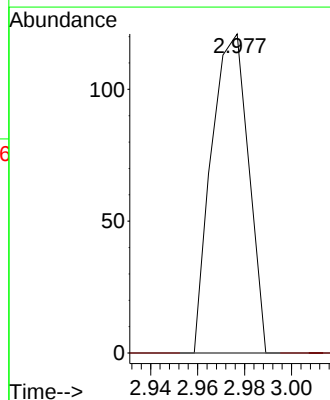
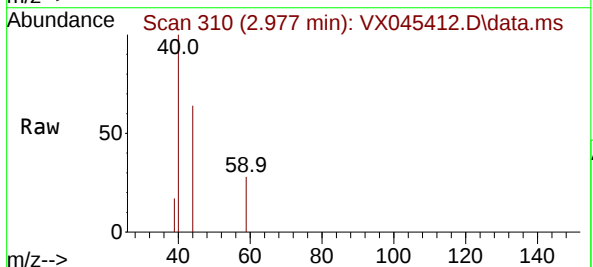
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

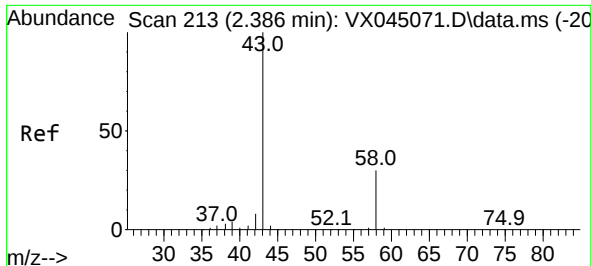
Tgt Ion:168 Resp: 72484
Ion Ratio Lower Upper
168 100
99 67.1 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.604 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

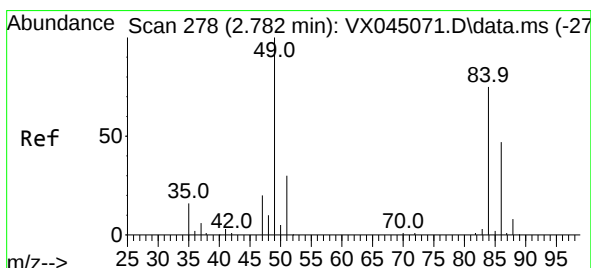
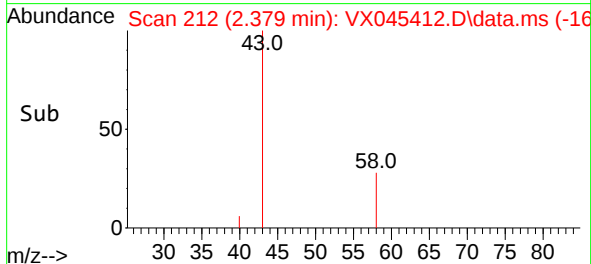
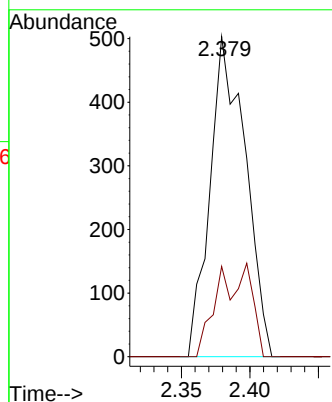
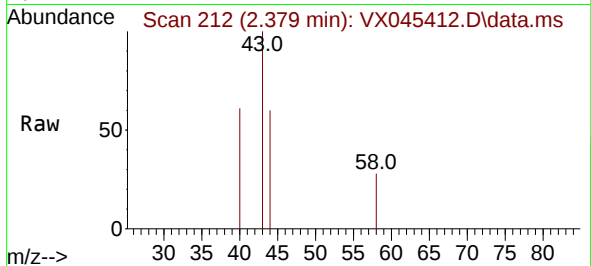




#16
Acetone
Concen: 1.692 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

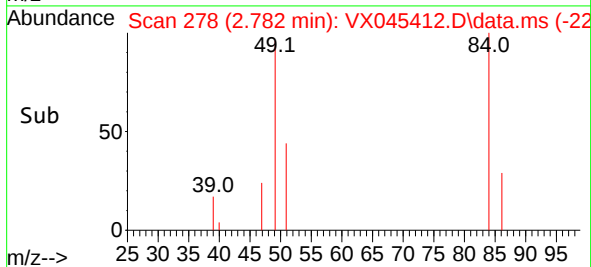
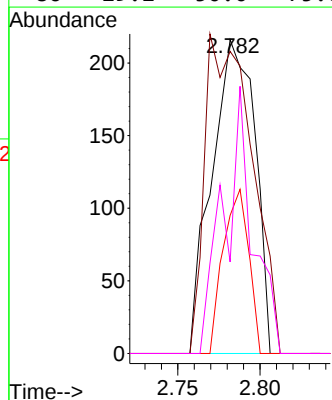
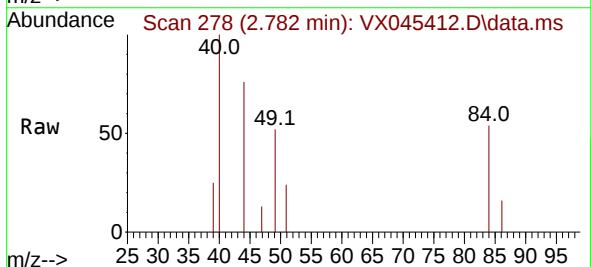
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

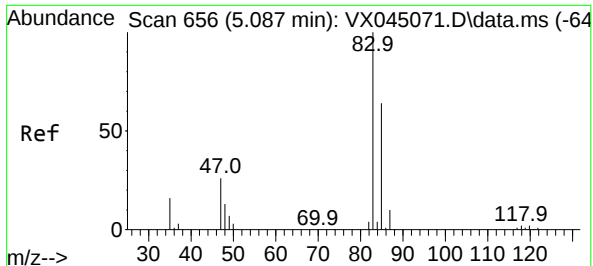
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 28.2 24.2 36.4



#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 84 Resp: 393
Ion Ratio Lower Upper
84 100
49 96.3 106.5 159.7#
51 44.0 32.1 48.1
86 29.2 50.0 75.0#





#30

Chloroform

Concen: 0.512 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045412.D

Acq: 24 Mar 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

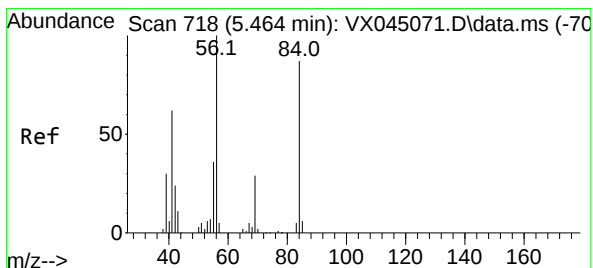
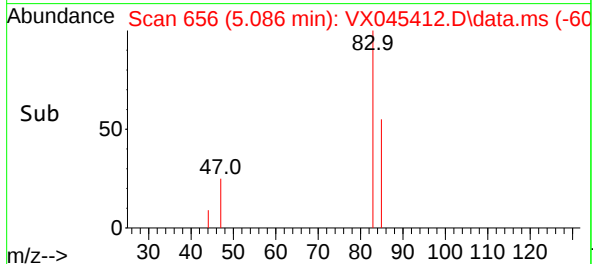
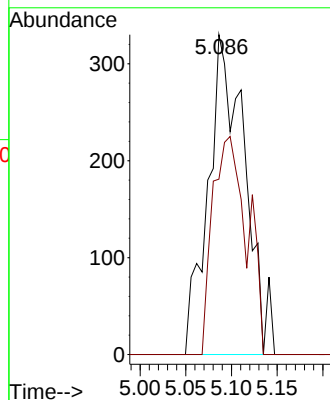
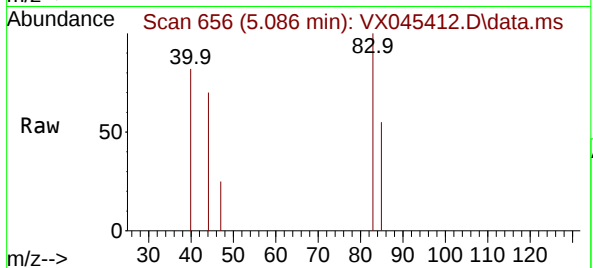
GM38-RW3-MW1-20250318

Tgt Ion: 83 Resp: 919

Ion Ratio Lower Upper

83 100

85 54.8 51.4 77.2



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045412.D

Acq: 24 Mar 2025 14:07

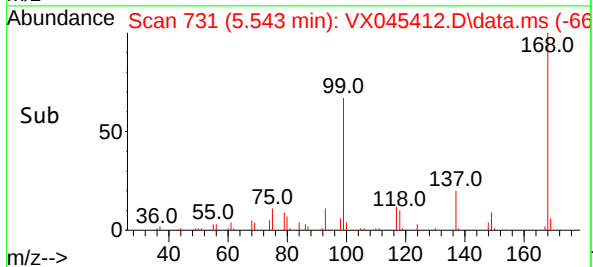
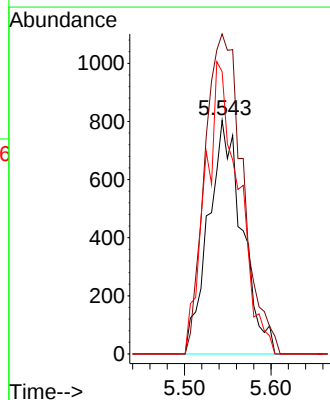
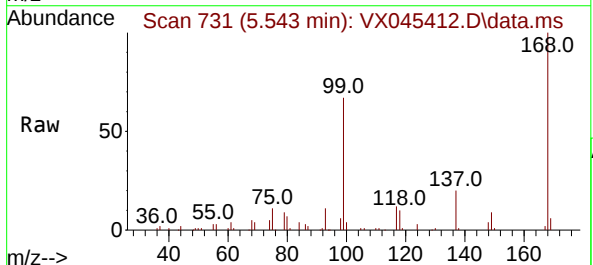
Tgt Ion: 56 Resp: 2189

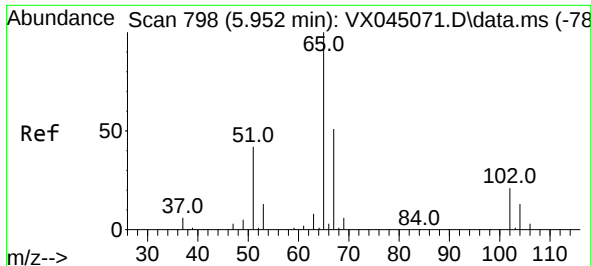
Ion Ratio Lower Upper

56 100

69 136.9 23.4 35.2#

84 120.8 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 56.096 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045412.D

Acq: 24 Mar 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

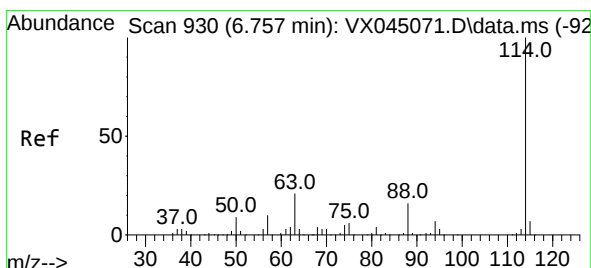
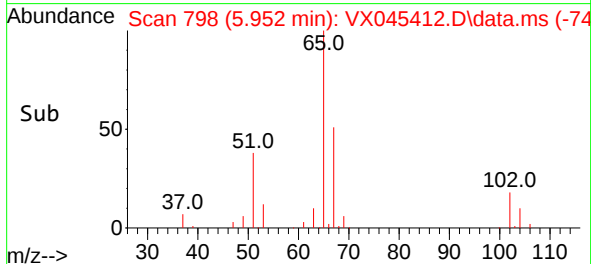
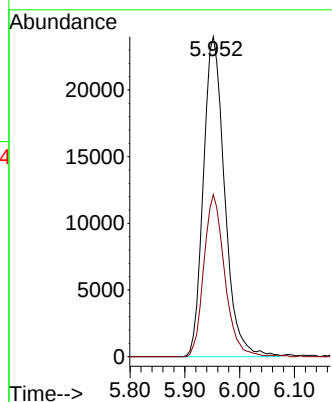
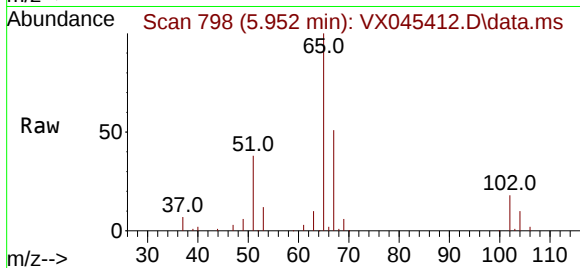
GM38-RW3-MW1-20250318

Tgt Ion: 65 Resp: 64677

Ion Ratio Lower Upper

65 100

67 49.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045412.D

Acq: 24 Mar 2025 14:07

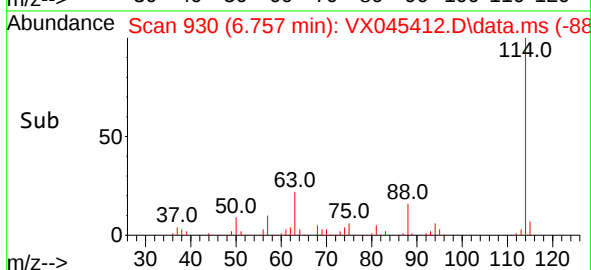
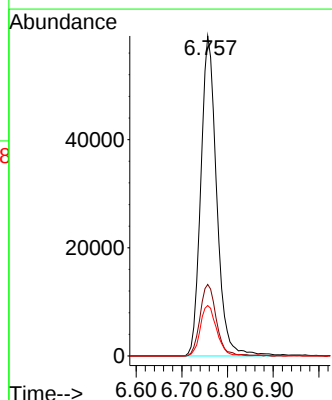
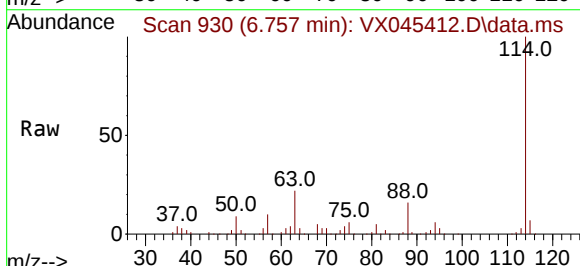
Tgt Ion: 114 Resp: 143019

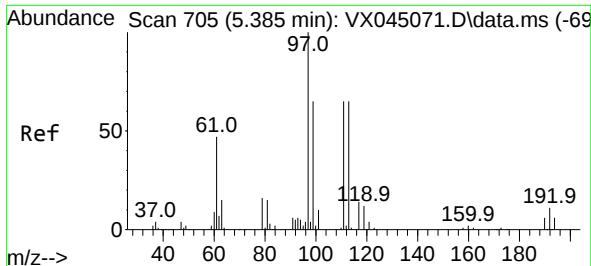
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 15.7 0.0 32.8

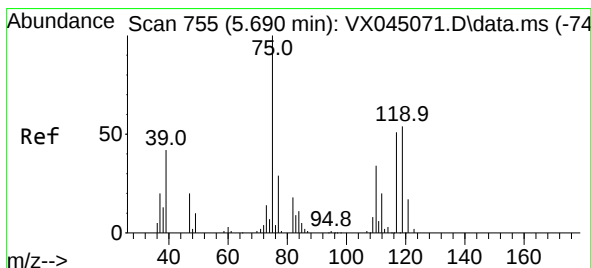
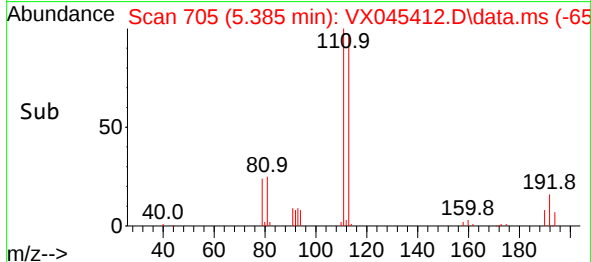
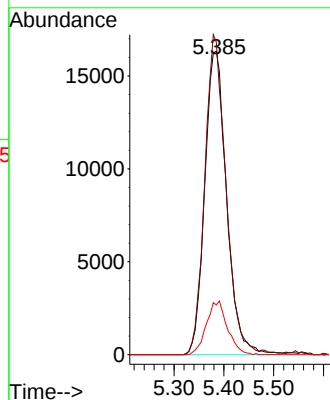
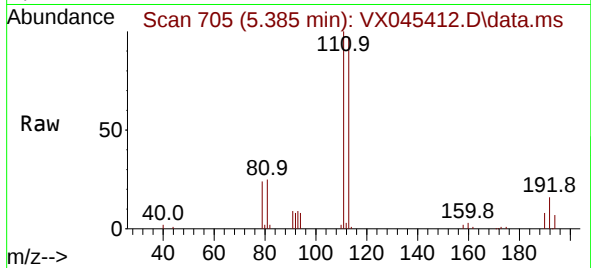




#35
Dibromofluoromethane
Concen: 52.115 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

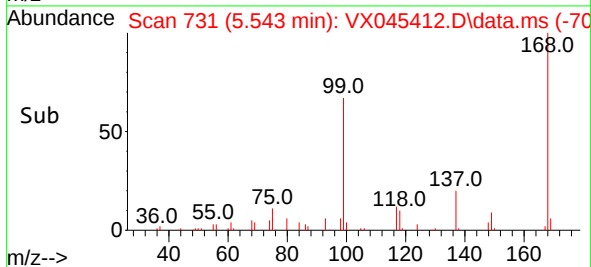
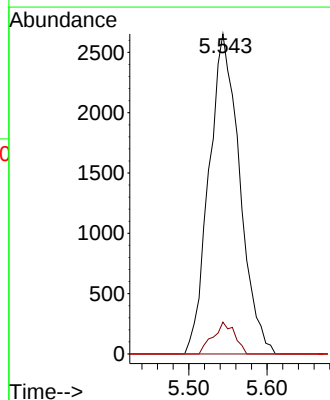
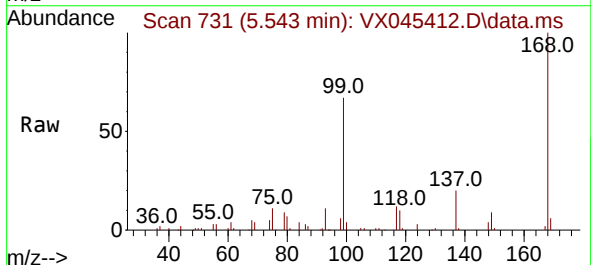
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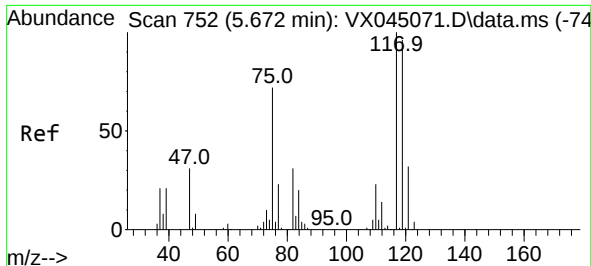
Tgt Ion:113 Resp: 49839
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 17.0 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.513 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 75 Resp: 7231
Ion Ratio Lower Upper
75 100
110 7.0 16.9 50.6#
77 0.0 24.5 36.7#

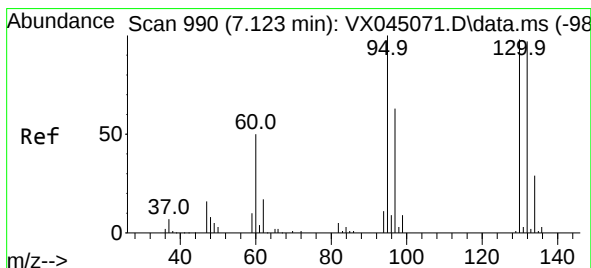
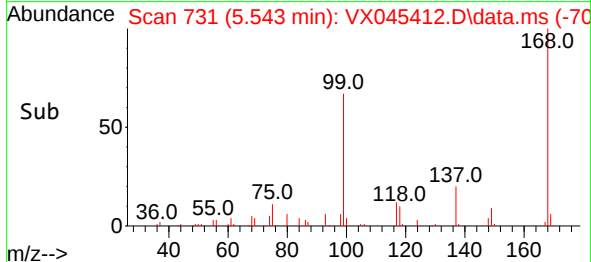
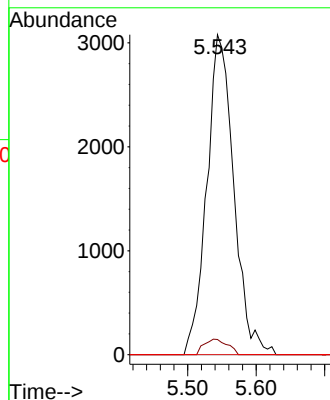
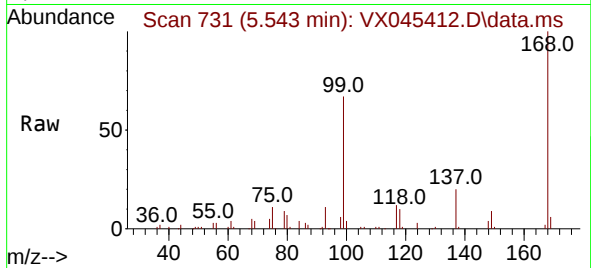




#38
Carbon Tetrachloride
Concen: 6.324 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

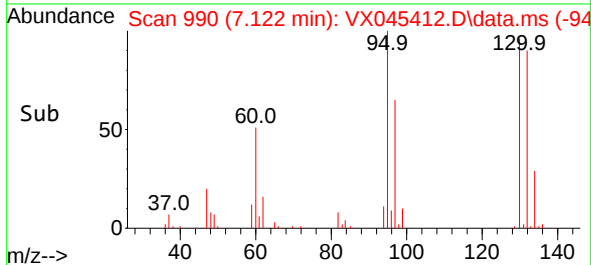
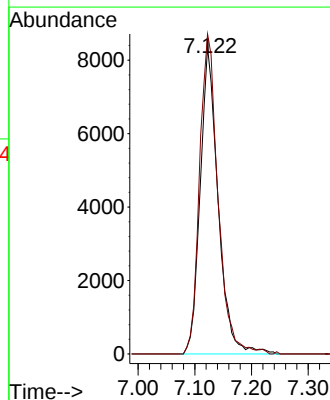
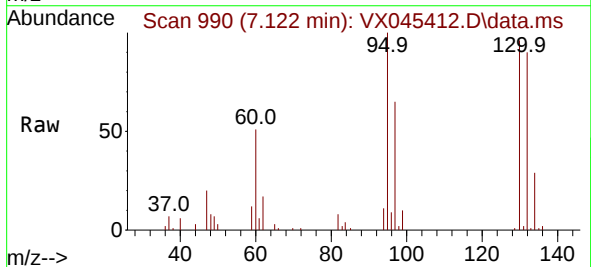
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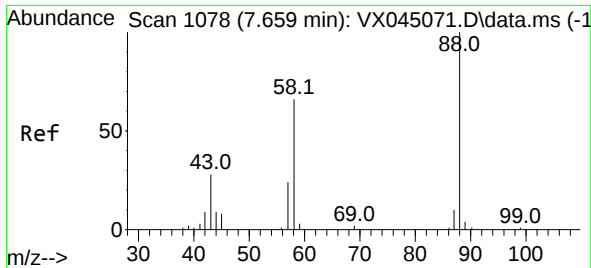
Tgt Ion:117 Resp: 8420
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.5 38.3#



#44
Trichloroethene
Concen: 18.911 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion:130 Resp: 18390
Ion Ratio Lower Upper
130 100
95 104.3 0.0 205.0

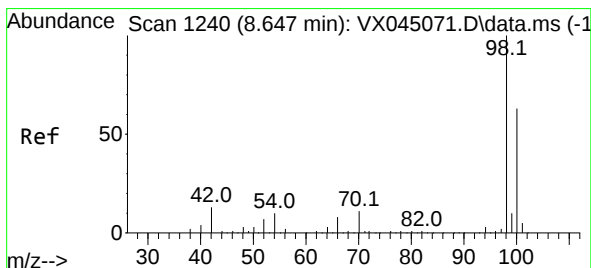
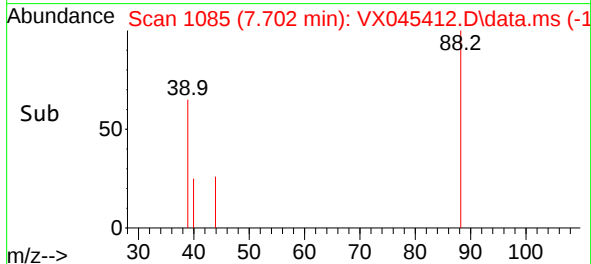
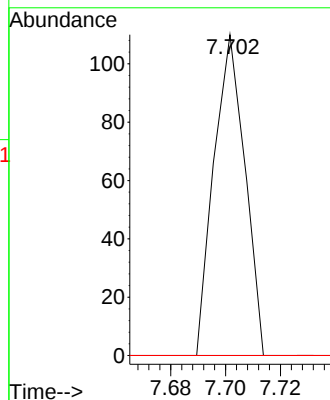
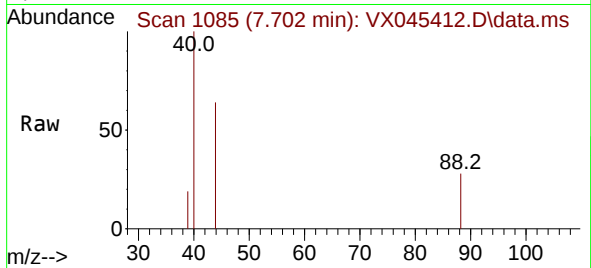




#49
1,4-Dioxane
Concen: 3.252 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.042 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

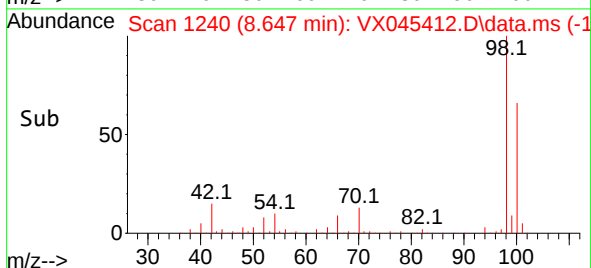
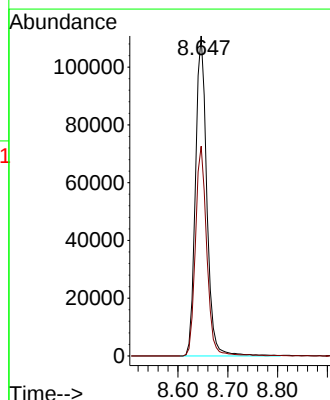
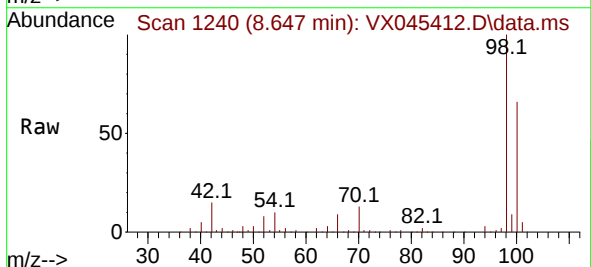
Instrument :
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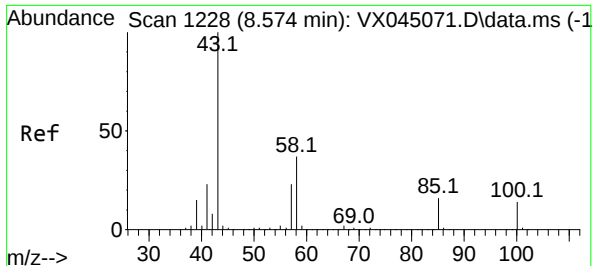
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#



#50
Toluene-d8
Concen: 50.403 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 98 Resp: 174748
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

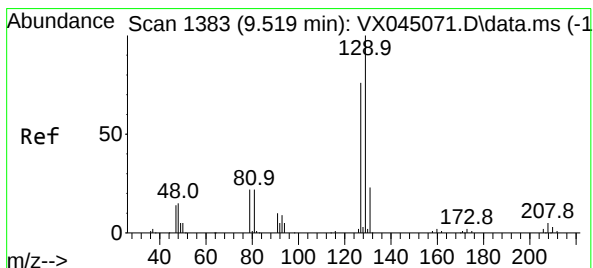
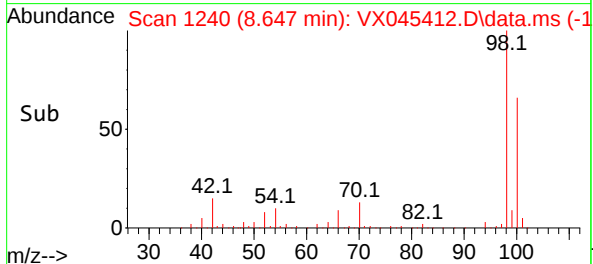
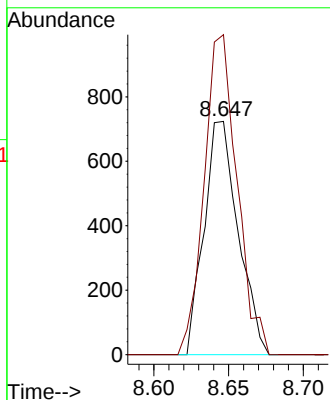
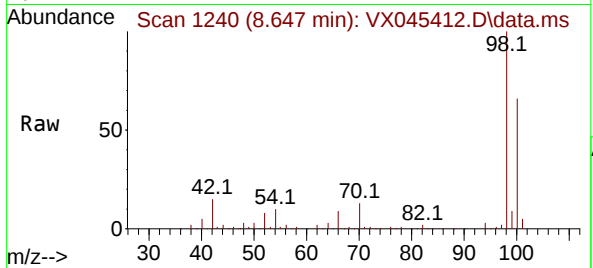




#51
4-Methyl-2-Pentanone
Concen: 0.685 ug/l
RT: 8.647 min Scan# 1149
Delta R.T. 0.073 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

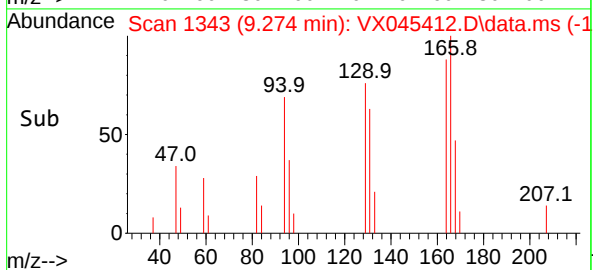
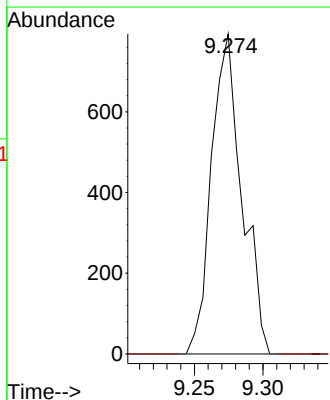
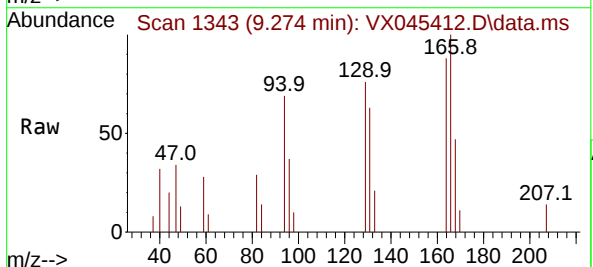
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

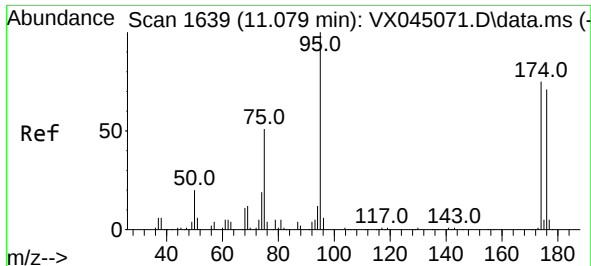
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 132.4 29.2 43.8#



#60
Dibromochloromethane
Concen: 1.171 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 129 Resp: 1225
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 52.210 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045412.D

Acq: 24 Mar 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

GM38-RW3-MW1-20250318

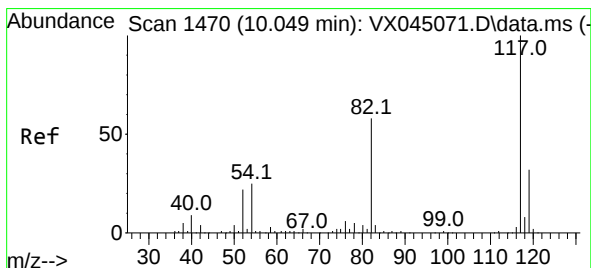
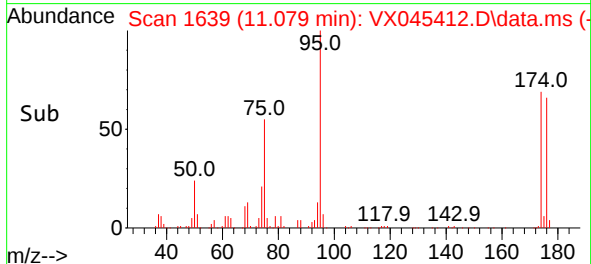
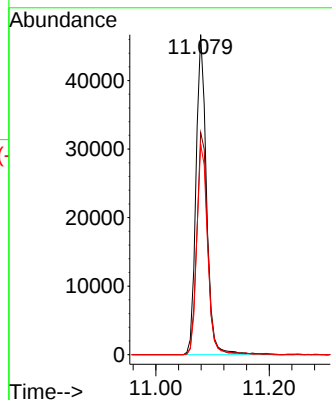
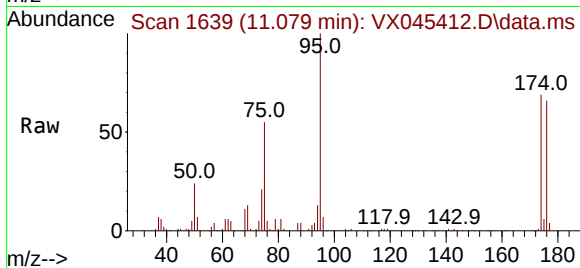
Tgt Ion: 95 Resp: 59982

Ion Ratio Lower Upper

95 100

174 71.8 0.0 148.2

176 67.3 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045412.D

Acq: 24 Mar 2025 14:07

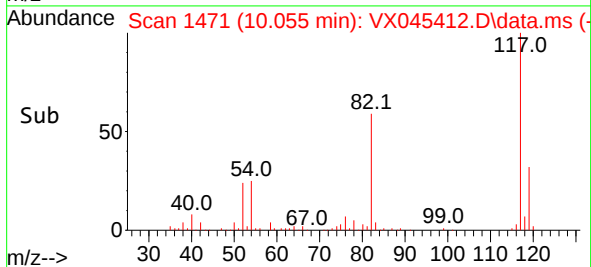
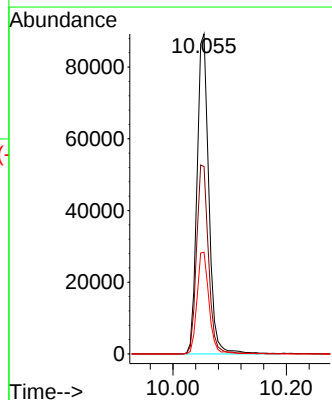
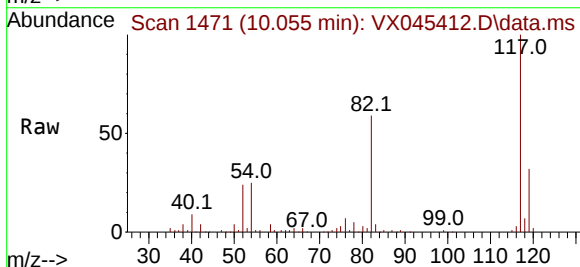
Tgt Ion: 117 Resp: 128743

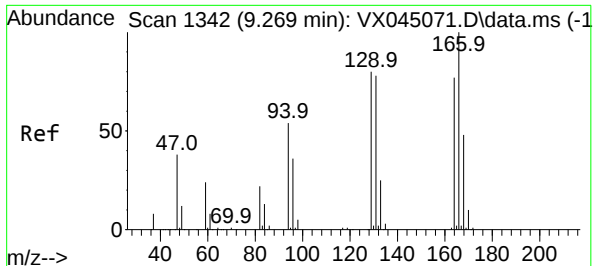
Ion Ratio Lower Upper

117 100

82 58.6 46.3 69.5

119 31.8 25.7 38.5

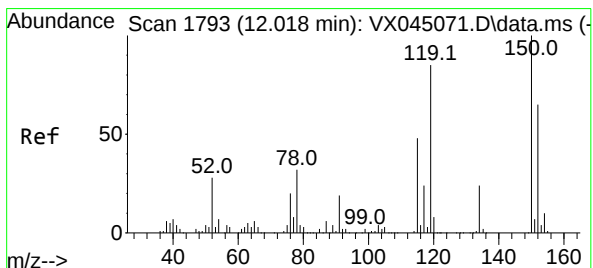
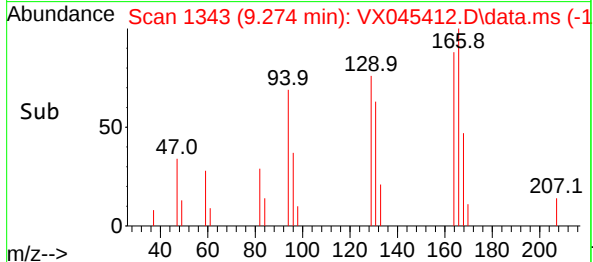
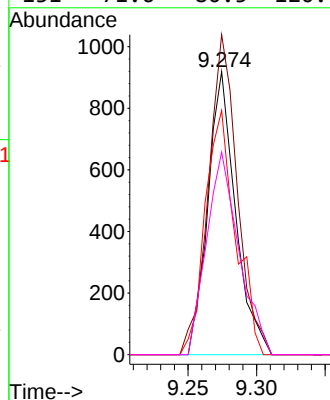
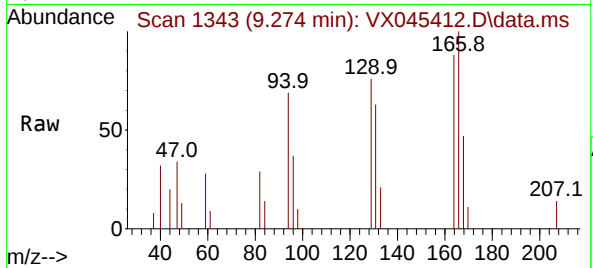




#64
Tetrachloroethene
Concen: 1.564 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

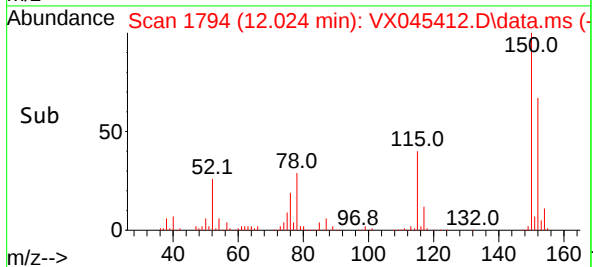
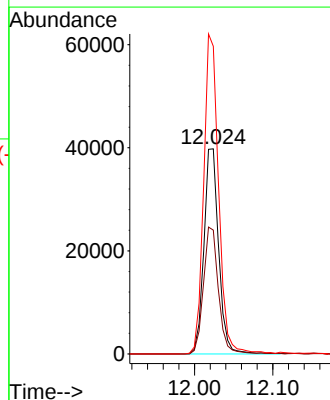
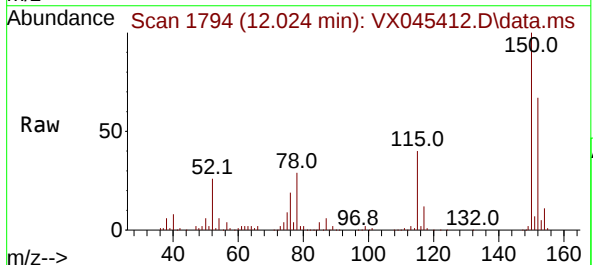
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

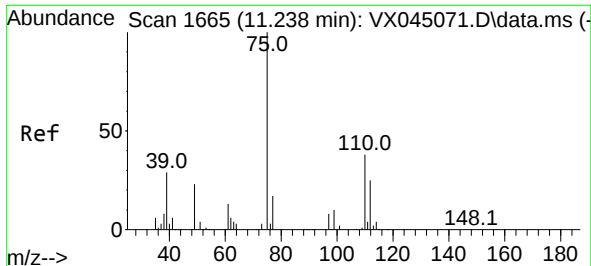
Tgt Ion:164	Resp:	1290
Ion	Ratio	Lower Upper
164	100	
166	113.1	103.6 155.4
129	86.3	82.7 124.1
131	71.6	80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion:152	Resp:	52056
Ion	Ratio	Lower Upper
152	100	
115	63.0	44.2 132.6
150	157.4	0.0 349.0

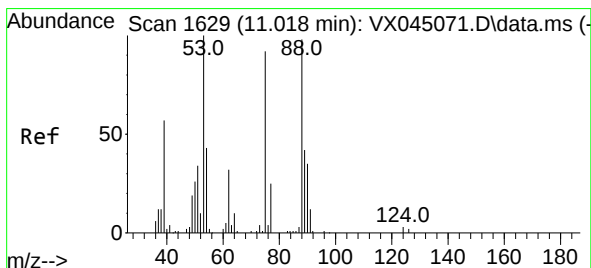
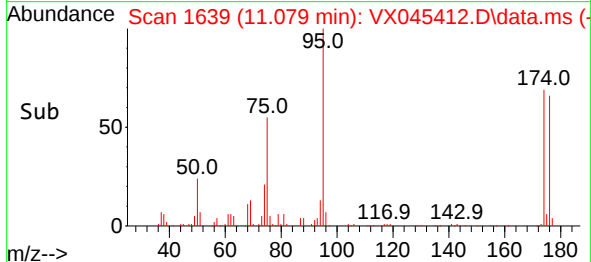
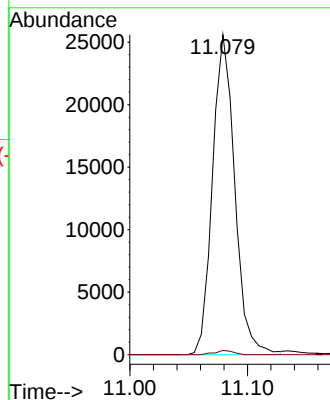
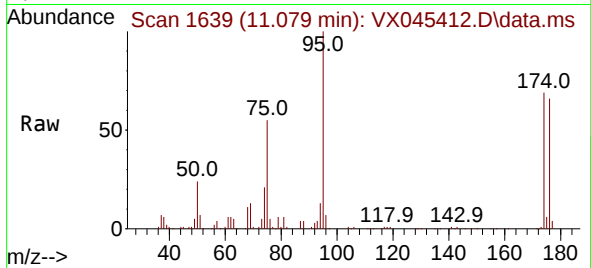




#76
1,2,3-Trichloropropane
Concen: 27.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion: 75 Resp: 33657
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 75 Resp: 33657
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

