

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042120.D
 Acq On : 01 Jul 2024 17:29
 Operator : JC/MD
 Sample : P3092-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW4-20240626

Quant Time: Jul 02 02:09:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

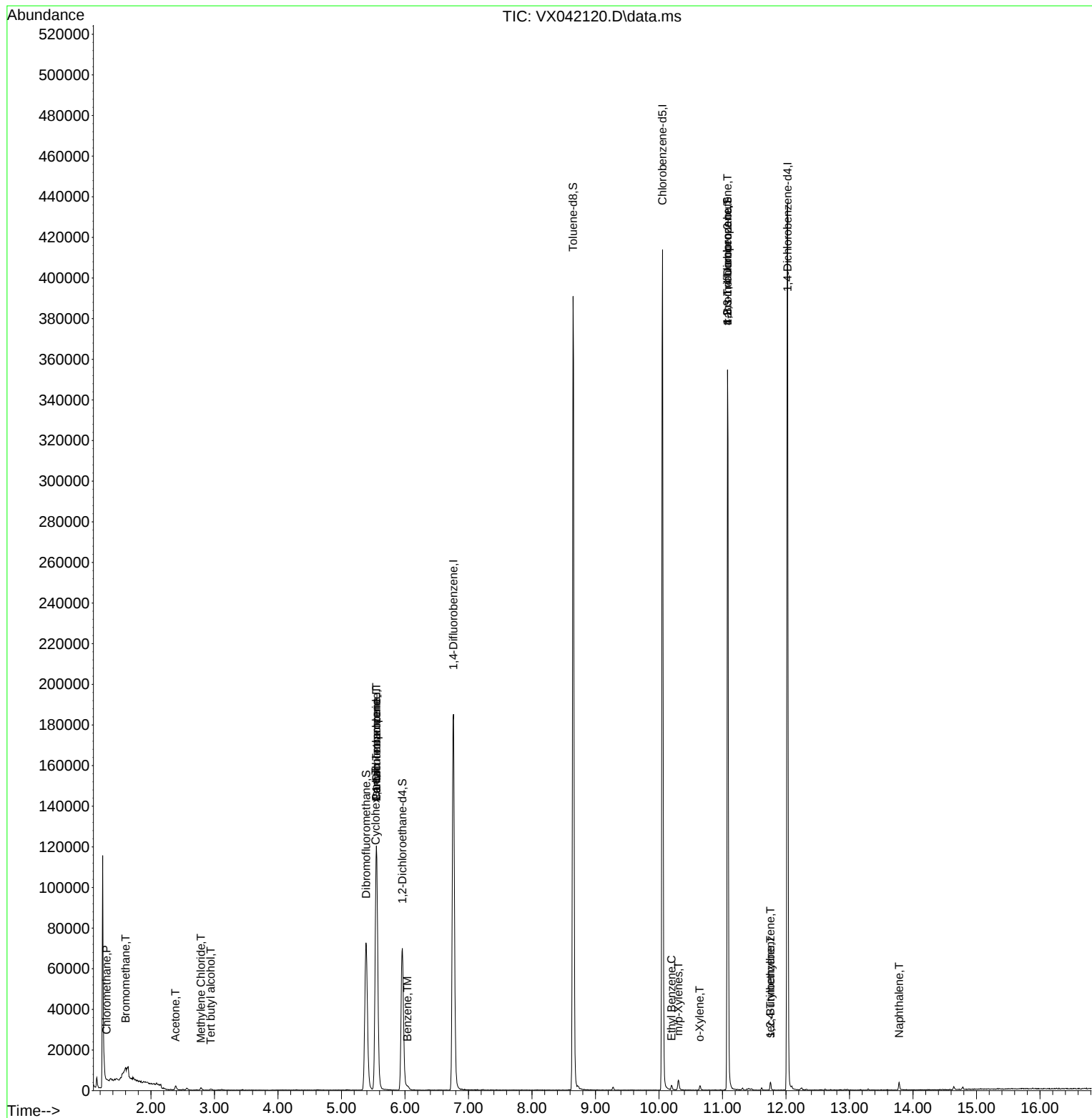
Internal Standards						
1) Pentafluorobenzene	5.550	168	136390	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	210336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67928	43.191	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.380%		
35) Dibromofluoromethane	5.385	113	65981	44.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.420%		
50) Toluene-d8	8.647	98	243659	46.473	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.940%		
62) 4-Bromofluorobenzene	11.079	95	94085	48.680	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.360%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	311	0.239	ug/l #	43
5) Bromomethane	1.599	94	167	0.259	ug/l #	79
6) Chloroethane	1.654	64	1040	Below Cal	#	60
11) Tert butyl alcohol	2.941	59	353	1.183	ug/l #	78
16) Acetone	2.386	43	2403	3.480	ug/l	98
20) Methylene Chloride	2.788	84	645	0.427	ug/l #	89
31) Cyclohexane	5.538	56	1852	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7846	4.951	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11425	6.525	ug/l #	16
40) Benzene	6.038	78	2291	0.429	ug/l	93
67) Ethyl Benzene	10.195	91	1725	0.254	ug/l #	78
68) m/p-Xylenes	10.305	106	1460	0.533	ug/l	91
69) o-Xylene	10.640	106	685	0.253	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	41907	21.395	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41907	60.759	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2236	0.408	ug/l	93
85) sec-Butylbenzene	11.756	105	2236	0.330	ug/l #	57
95) Naphthalene	13.780	128	3249	1.162	ug/l #	95

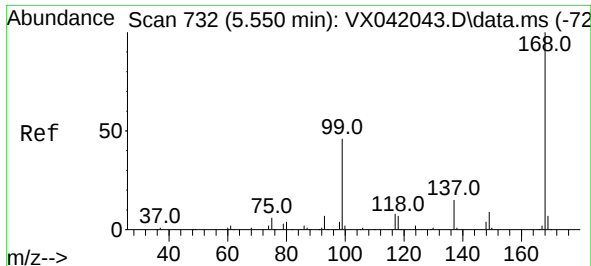
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW4-20240626

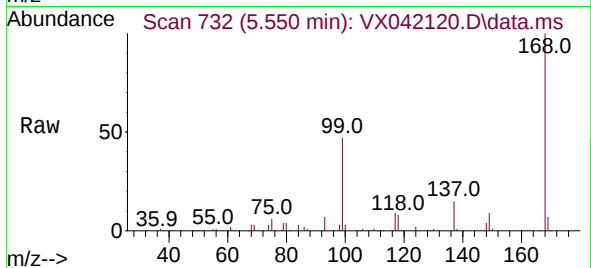
Quant Time: Jul 02 02:09:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
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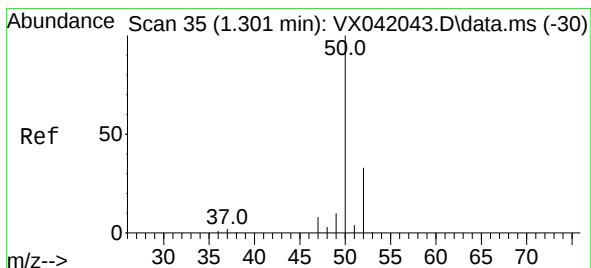
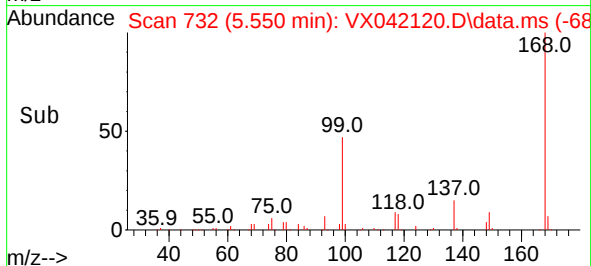
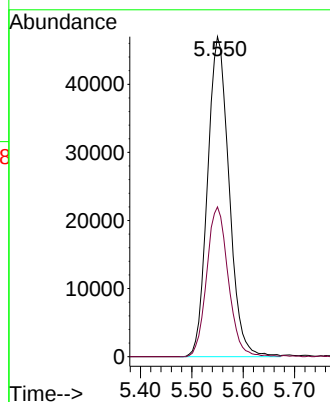


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :
MW4-20240626

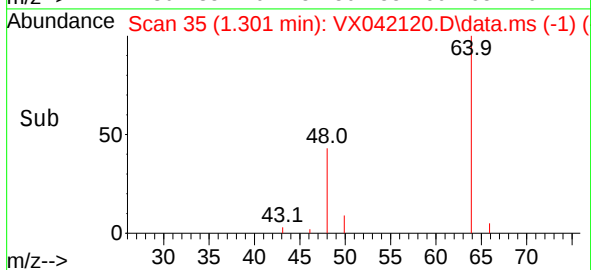
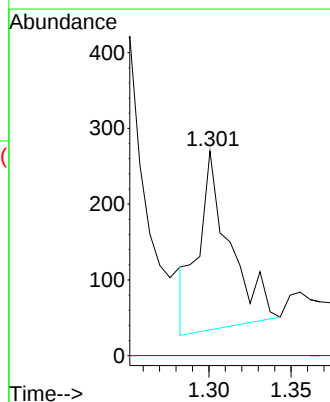
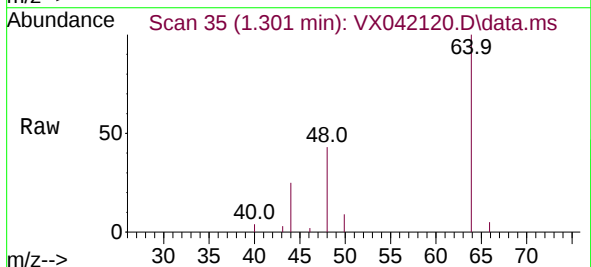


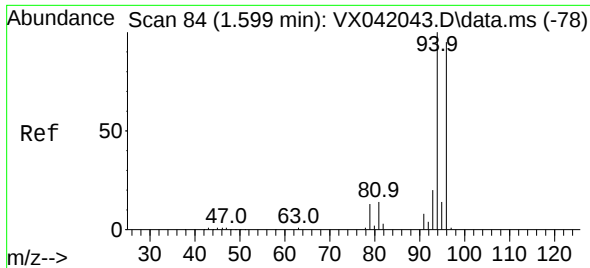
Tgt Ion:168 Resp: 136390
Ion Ratio Lower Upper
168 100
99 46.8 56.6 85.0#



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

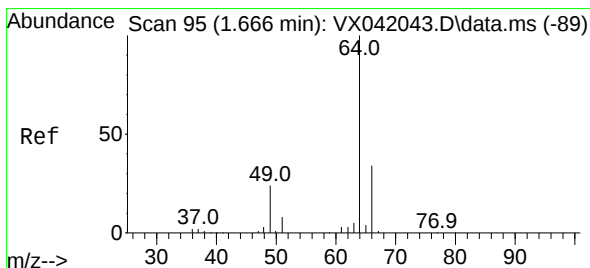
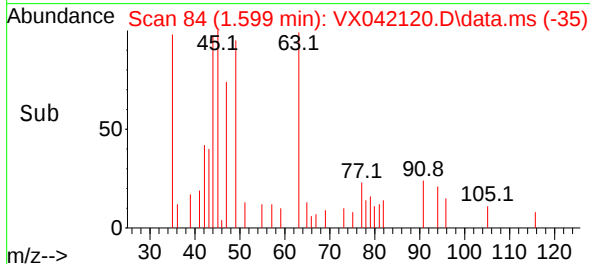
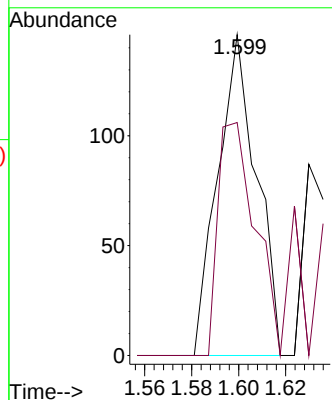
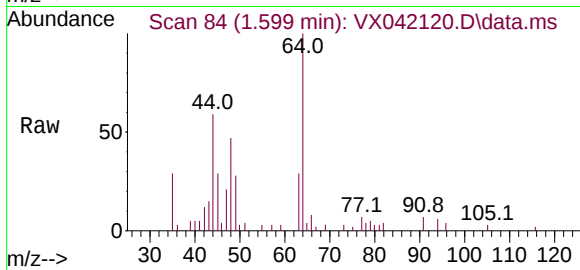




#5
Bromomethane
Concen: 0.259 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

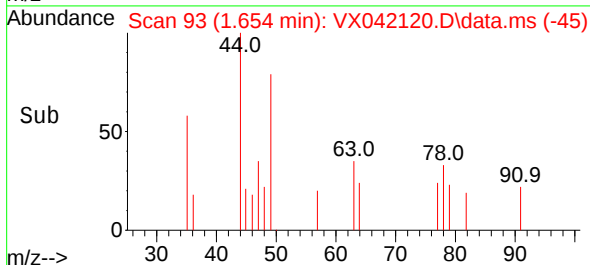
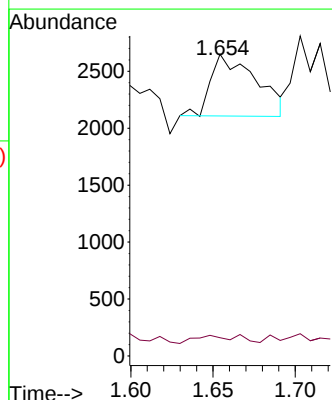
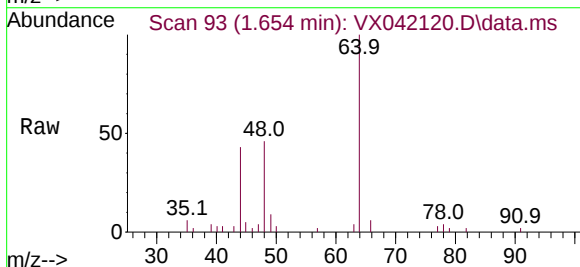
Instrument :
MSVOA_X
ClientSampleId :
MW4-20240626

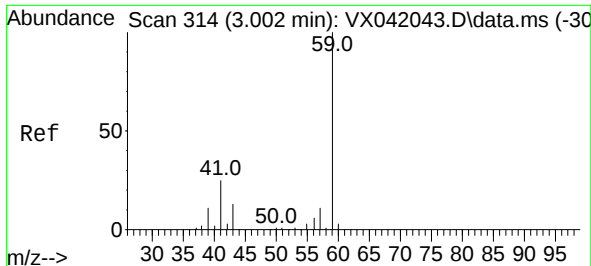
Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 72.6 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 64 Resp: 1040
Ion Ratio Lower Upper
64 100
66 9.4 25.1 37.7#

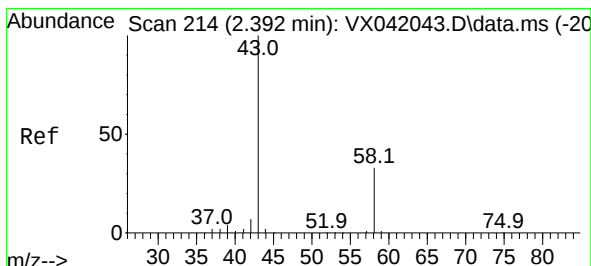
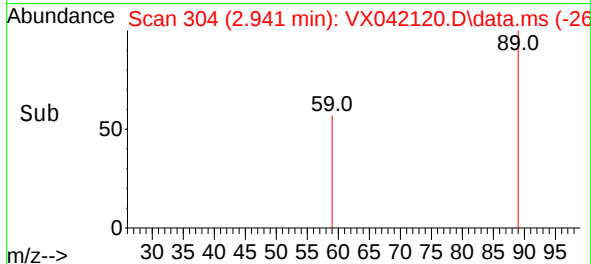
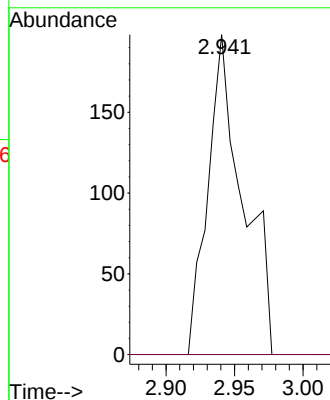
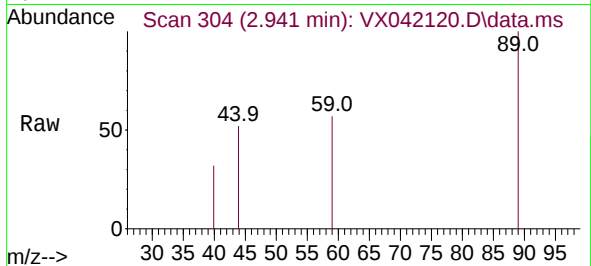




#11
Tert butyl alcohol
Concen: 1.183 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

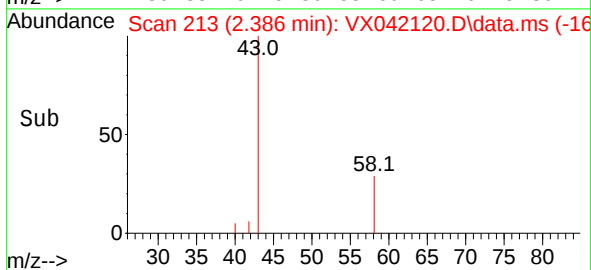
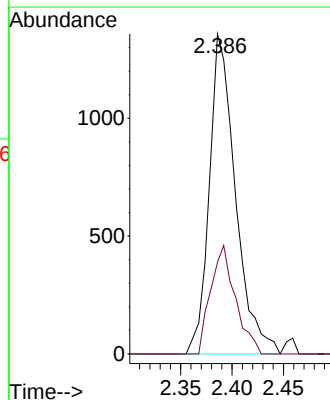
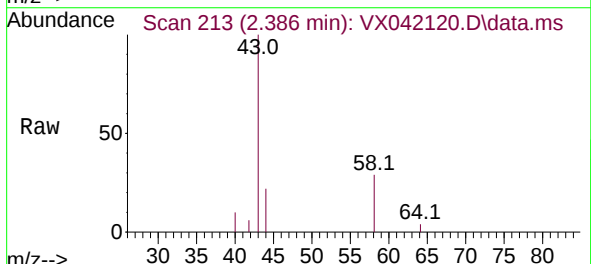
Instrument :
MSVOA_X
ClientSampleId :
MW4-20240626

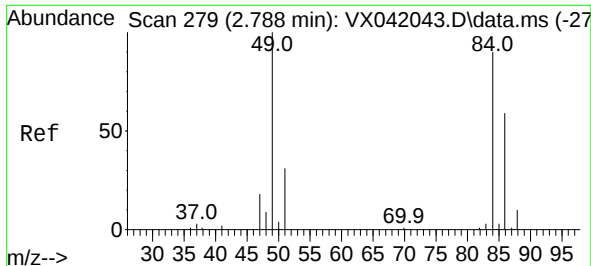
Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 3.480 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 43 Resp: 2403
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9





#20

Methylene Chloride

Concen: 0.427 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

MW4-20240626

Tgt Ion: 84 Resp: 645

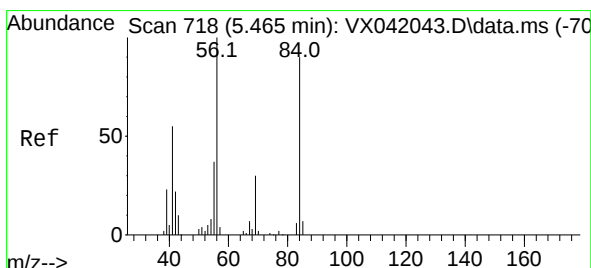
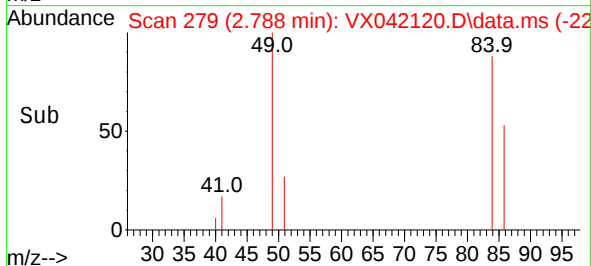
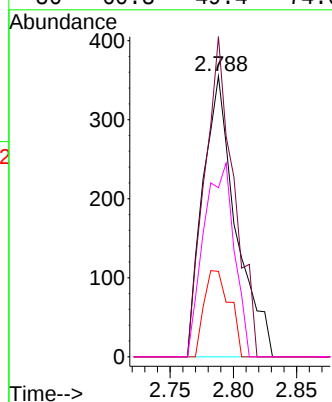
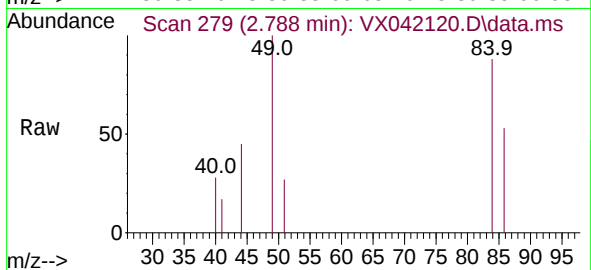
Ion Ratio Lower Upper

84 100

49 114.1 103.6 155.4

51 30.4 33.8 50.6#

86 60.3 49.4 74.0



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

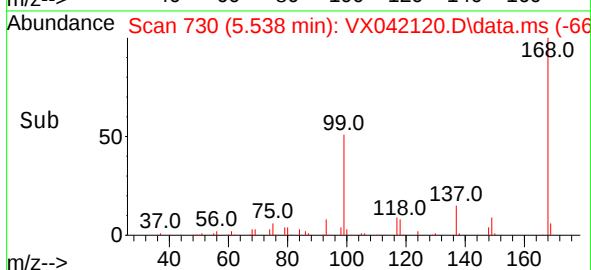
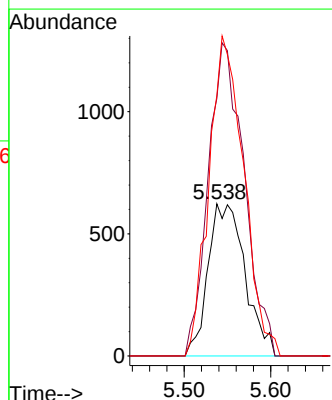
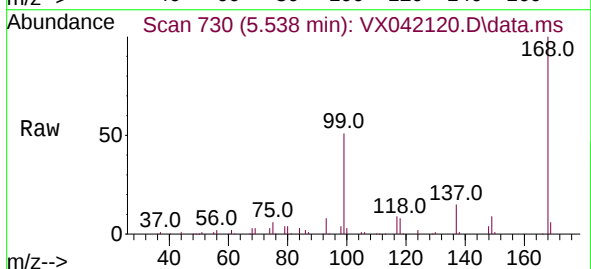
Tgt Ion: 56 Resp: 1852

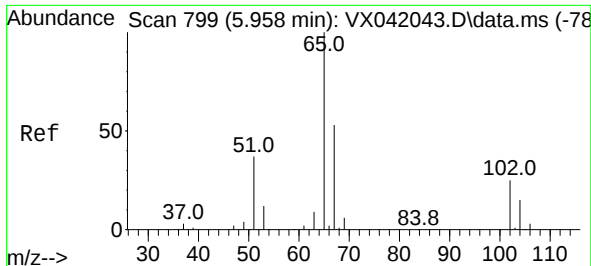
Ion Ratio Lower Upper

56 100

69 169.2 23.4 35.2#

84 171.1 65.9 98.9#

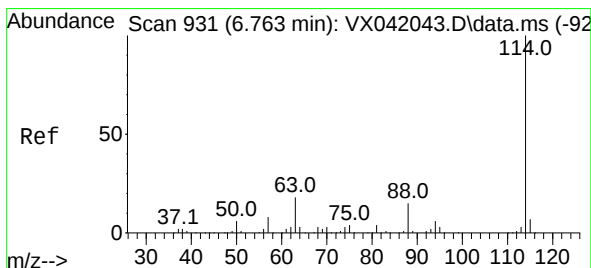
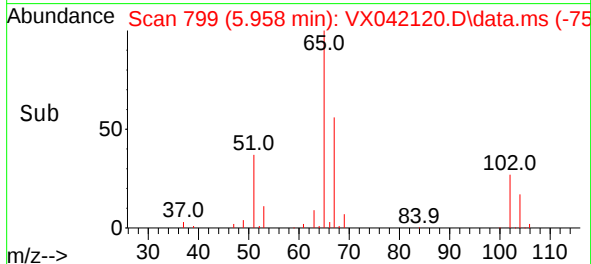
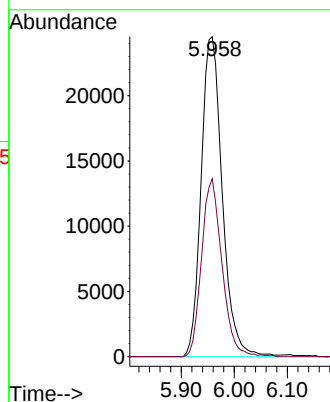
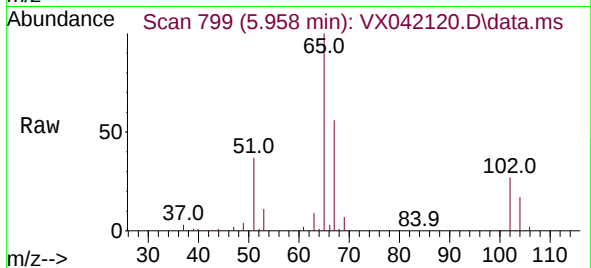




#33
 1,2-Dichloroethane-d4
 Concen: 43.191 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX042120.D
 Acq: 01 Jul 2024 17:29

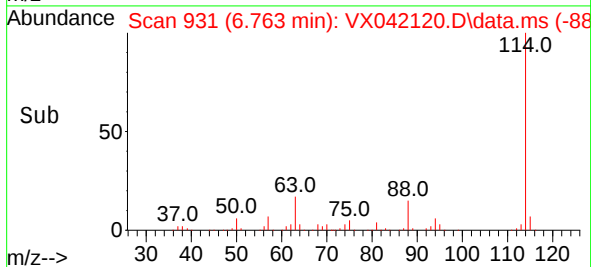
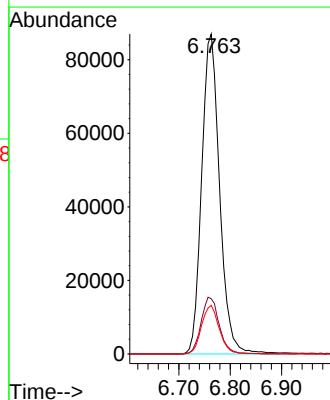
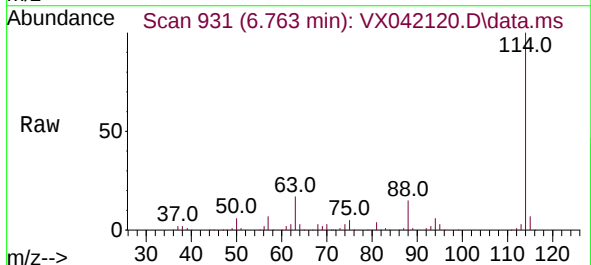
Instrument :
 MSVOA_X
 ClientSampleId :
 MW4-20240626

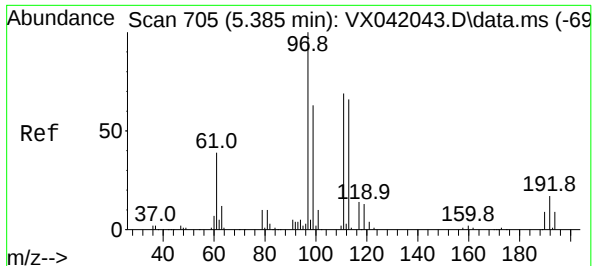
Tgt Ion: 65 Resp: 67928
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042120.D
 Acq: 01 Jul 2024 17:29

Tgt Ion: 114 Resp: 210336
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 45.0
 88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.210 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

MW4-20240626

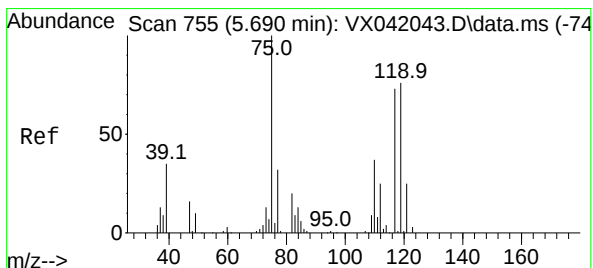
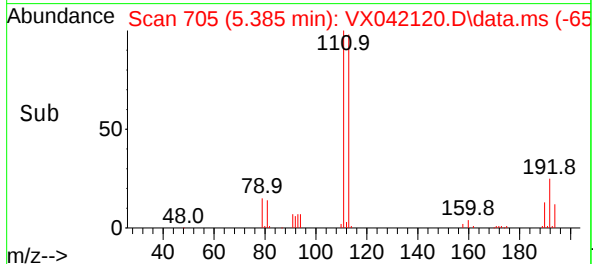
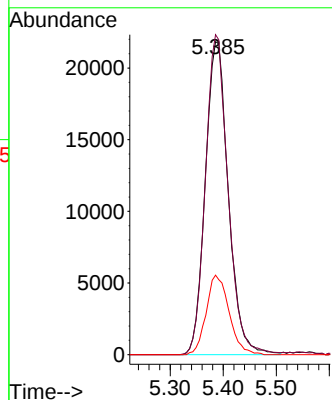
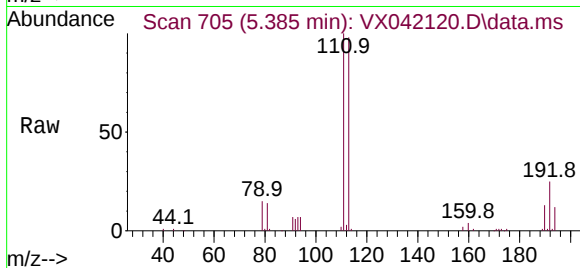
Tgt Ion:113 Resp: 65981

Ion Ratio Lower Upper

113 100

111 100.4 82.9 124.3

192 25.2 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

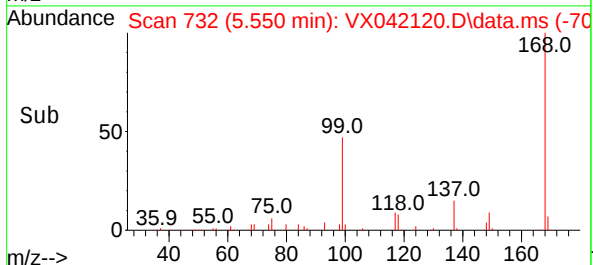
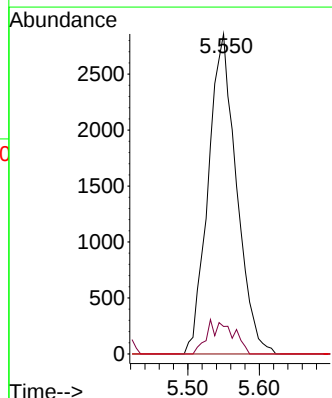
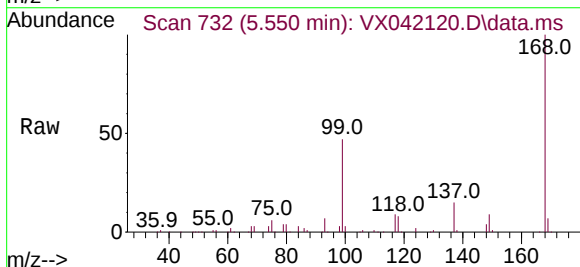
Tgt Ion: 75 Resp: 7846

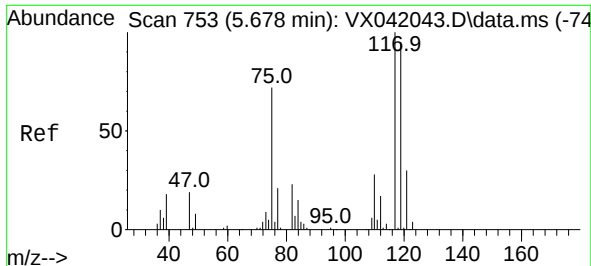
Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

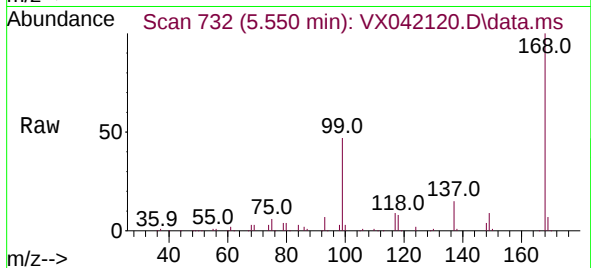
77 0.0 24.7 37.1#



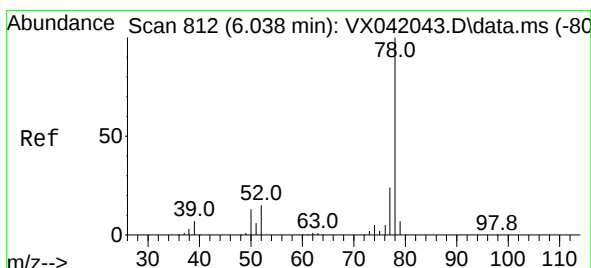
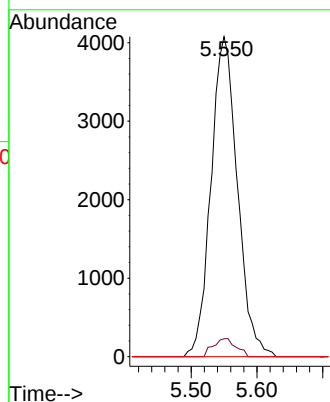
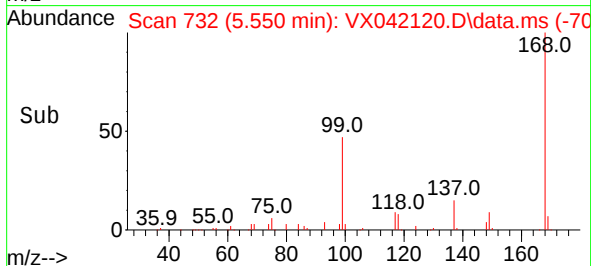


#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 5.550 min Scan# 753
Delta R.T. -0.128 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :
MW4-20240626

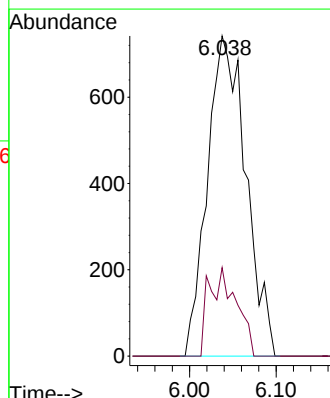
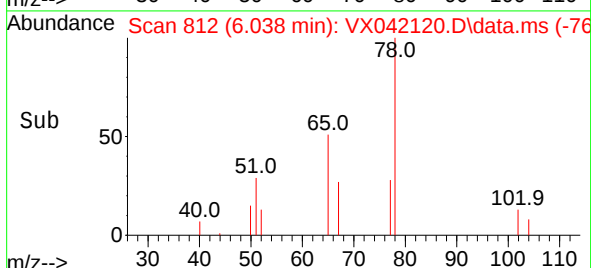
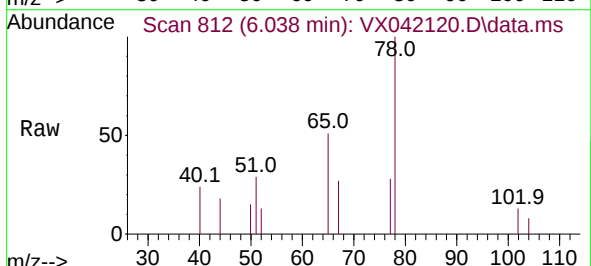


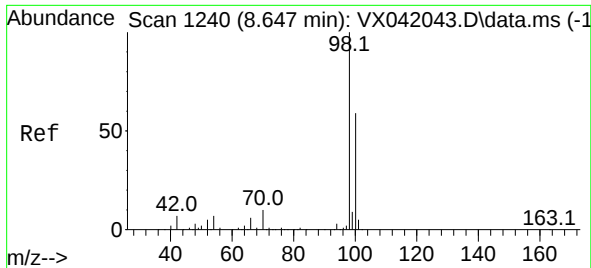
Tgt Ion:117 Resp: 11425
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.429 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 78 Resp: 2291
Ion Ratio Lower Upper
78 100
77 27.6 19.3 28.9

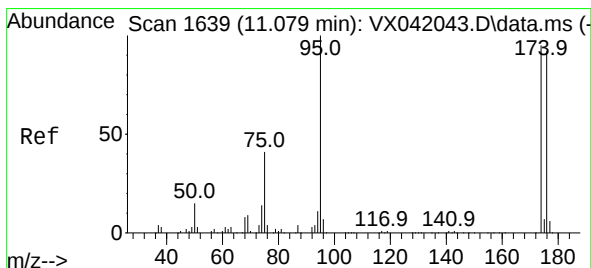
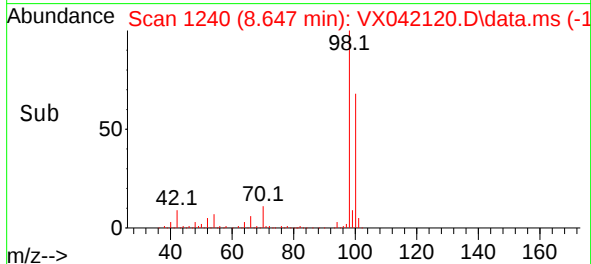
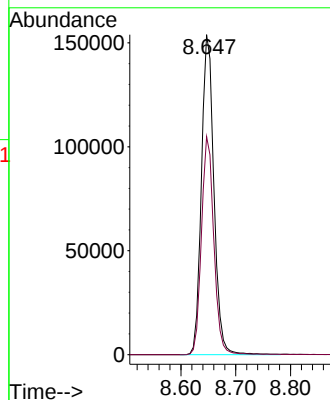
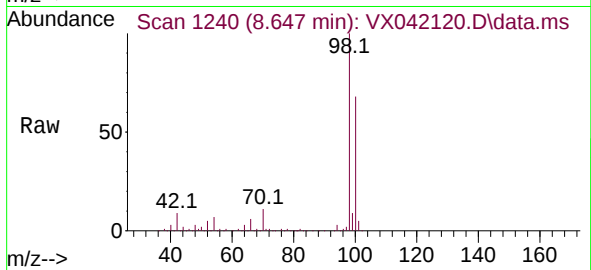




#50
Toluene-d8
Concen: 46.473 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

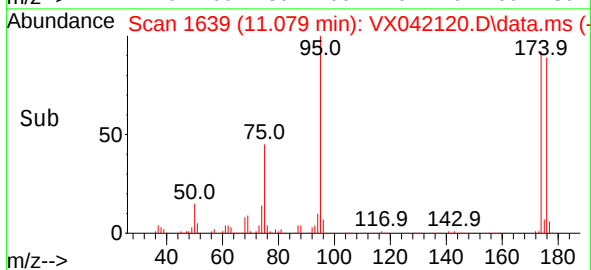
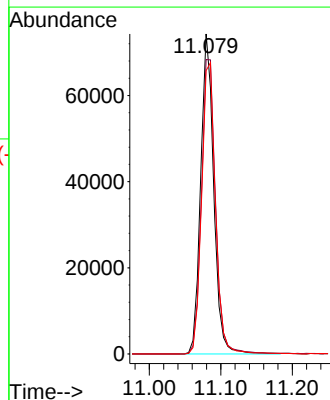
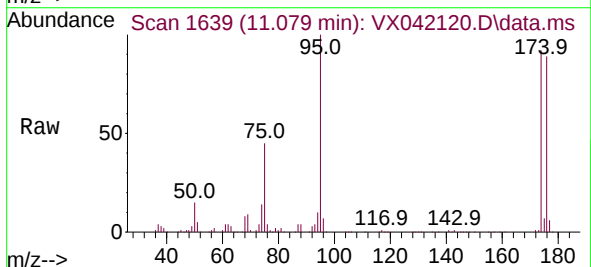
Instrument :
MSVOA_X
ClientSampleId :
MW4-20240626

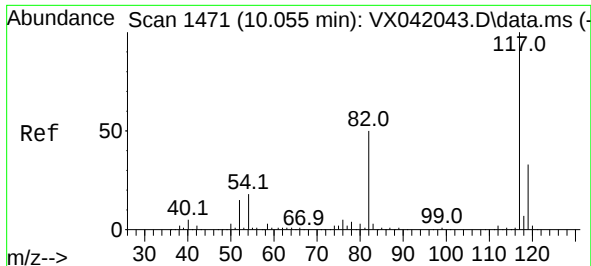
Tgt Ion: 98 Resp: 243659
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 95 Resp: 94085
Ion Ratio Lower Upper
95 100
174 99.8 0.0 135.6
176 96.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

MW4-20240626

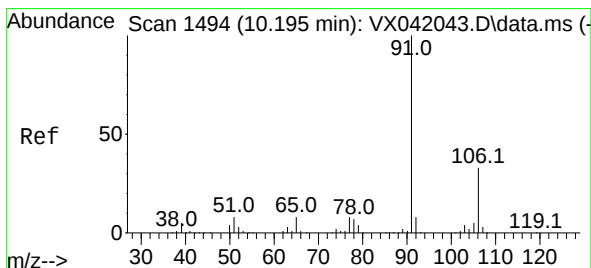
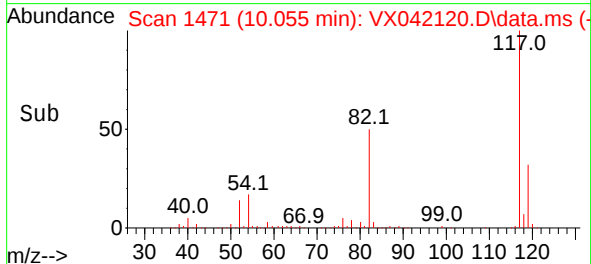
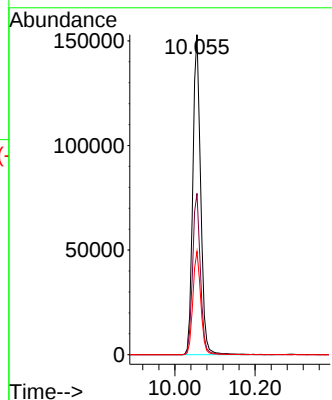
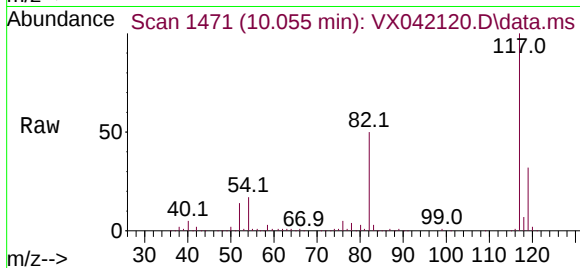
Tgt Ion:117 Resp: 208182

Ion Ratio Lower Upper

117 100

82 50.4 46.2 69.4

119 32.3 25.5 38.3



#67

Ethyl Benzene

Concen: 0.254 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX042120.D

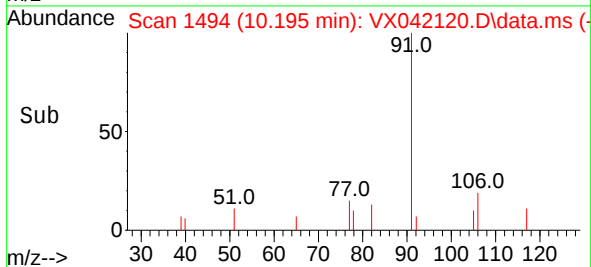
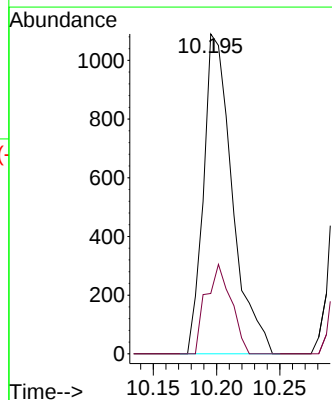
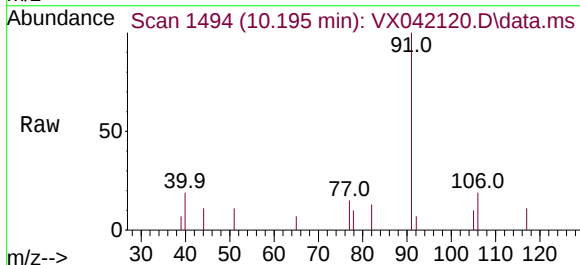
Acq: 01 Jul 2024 17:29

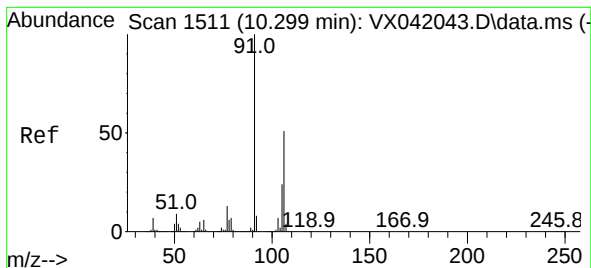
Tgt Ion: 91 Resp: 1725

Ion Ratio Lower Upper

91 100

106 18.9 24.9 37.3#





#68

m/p-Xylenes

Concen: 0.533 ug/l

RT: 10.305 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

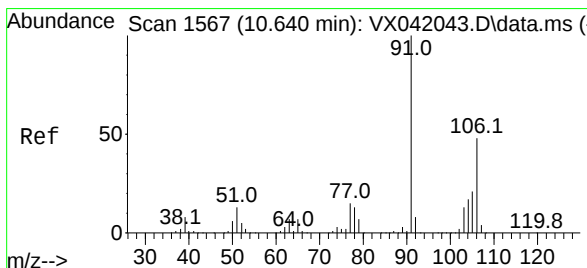
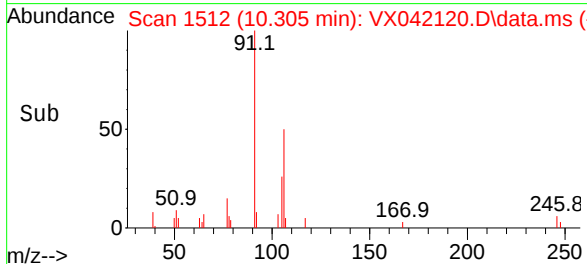
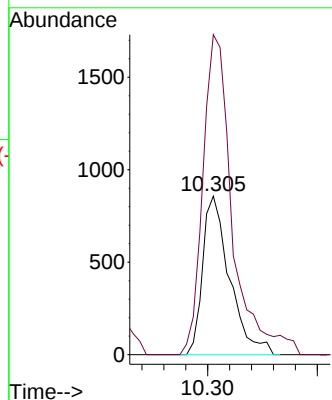
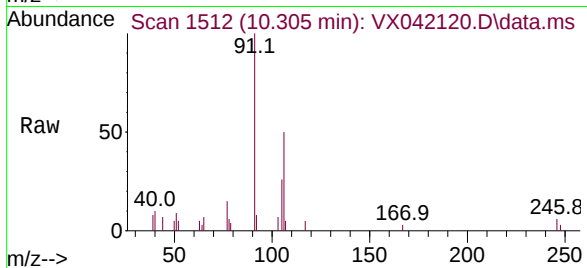
MW4-20240626

Tgt Ion:106 Resp: 1460

Ion Ratio Lower Upper

106 100

91 221.4 165.5 248.3



#69

o-Xylene

Concen: 0.253 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX042120.D

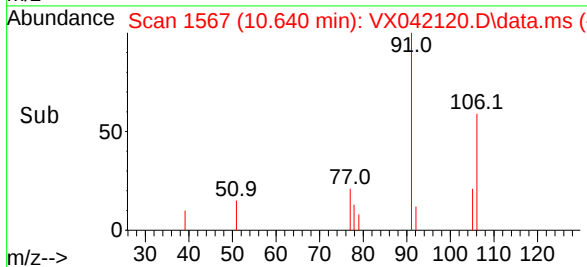
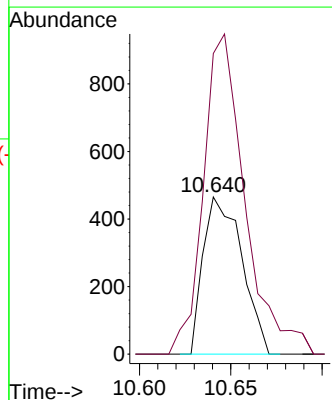
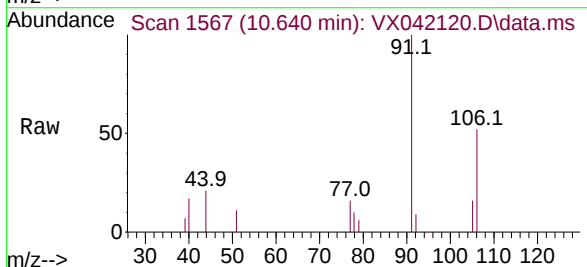
Acq: 01 Jul 2024 17:29

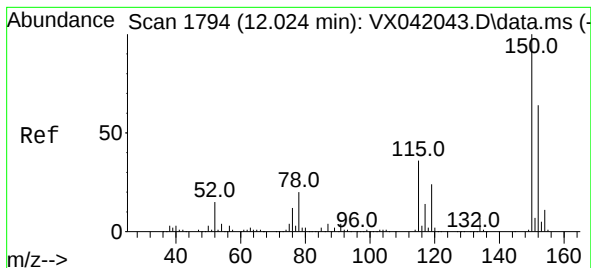
Tgt Ion:106 Resp: 685

Ion Ratio Lower Upper

106 100

91 219.1 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

MW4-20240626

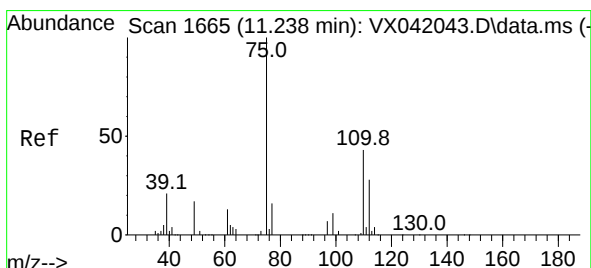
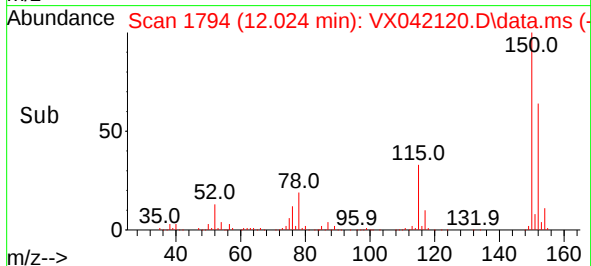
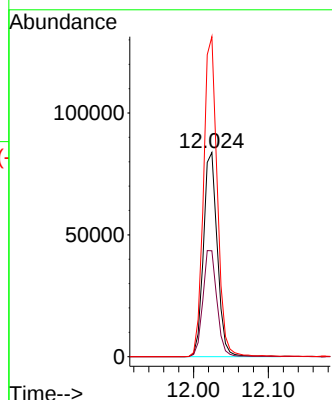
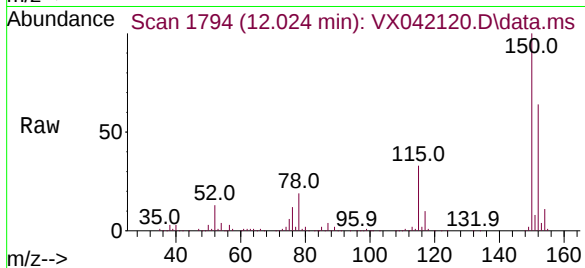
Tgt Ion:152 Resp: 107896

Ion Ratio Lower Upper

152 100

115 52.9 43.3 129.9

150 155.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.395 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042120.D

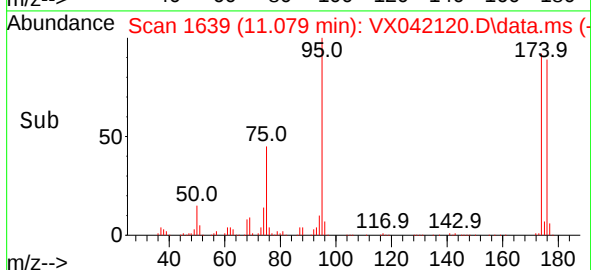
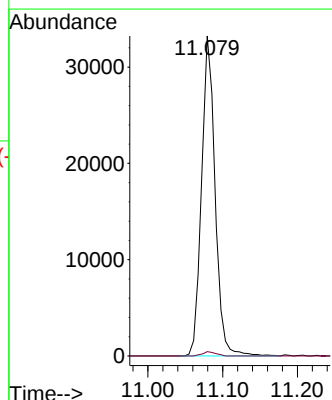
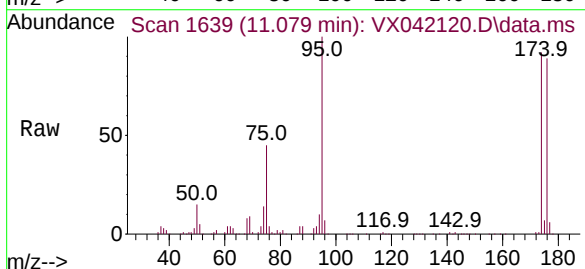
Acq: 01 Jul 2024 17:29

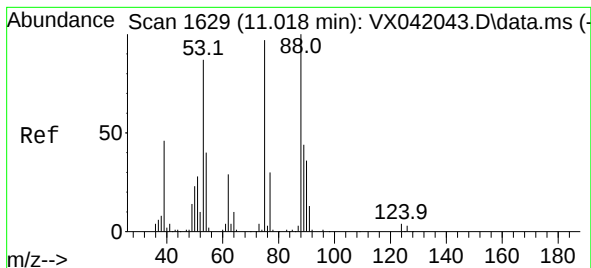
Tgt Ion: 75 Resp: 41907

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

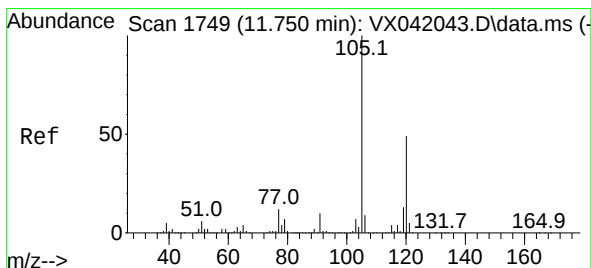
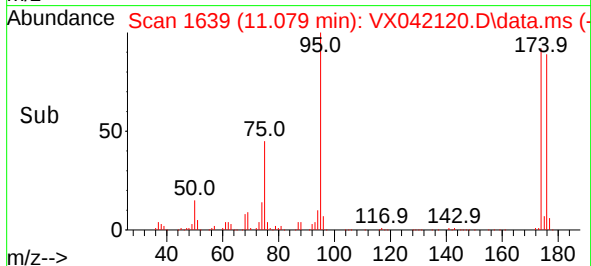
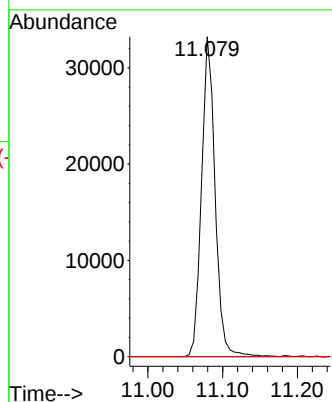
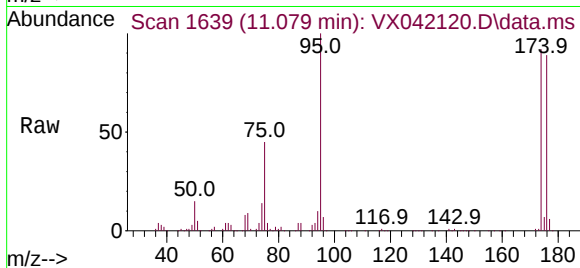




#81
trans-1,4-Dichloro-2-butene
Concen: 60.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

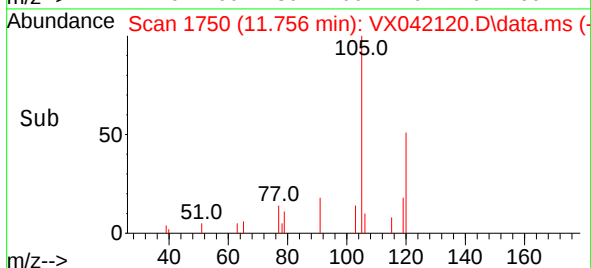
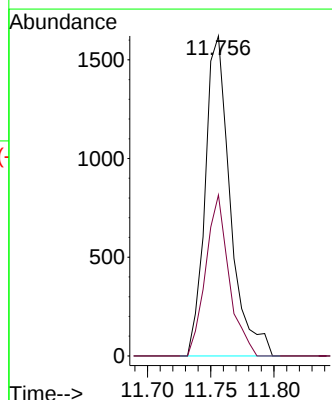
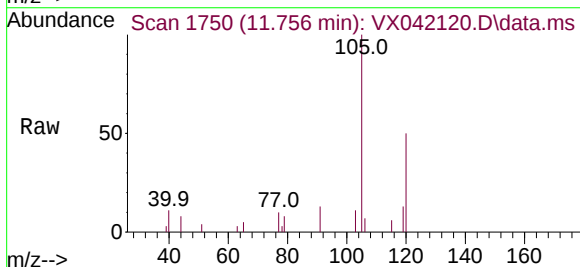
Instrument :
MSVOA_X
ClientSampleId :
MW4-20240626

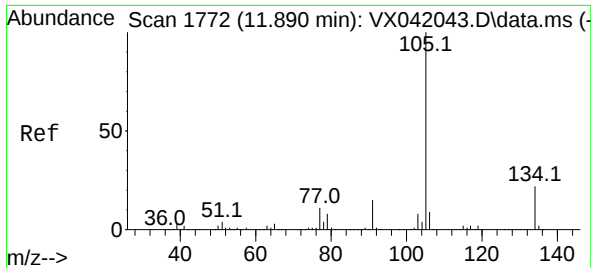
Tgt Ion: 75 Resp: 41907
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.408 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 105 Resp: 2236
Ion Ratio Lower Upper
105 100
120 46.8 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.330 ug/l

RT: 11.756 min Scan# 1

Delta R.T. -0.134 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

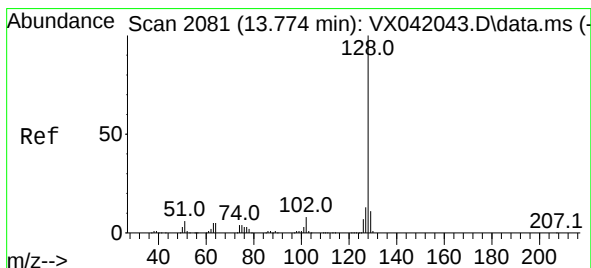
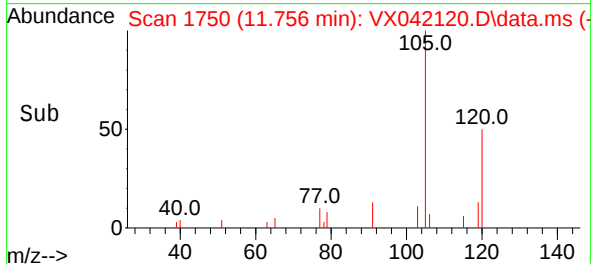
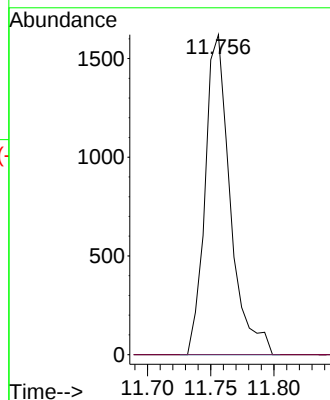
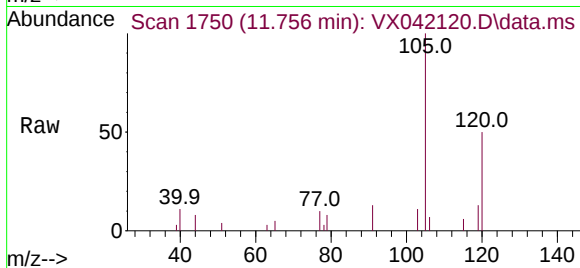
MW4-20240626

Tgt Ion:105 Resp: 2236

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#95

Naphthalene

Concen: 1.162 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Tgt Ion:128 Resp: 3249

Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

129 8.8 8.8 13.2#

