

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023618.D
 Acq On : 09 Aug 2021 17:11
 Operator : JC/MD
 Sample : M3278-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Aug 10 04:04:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

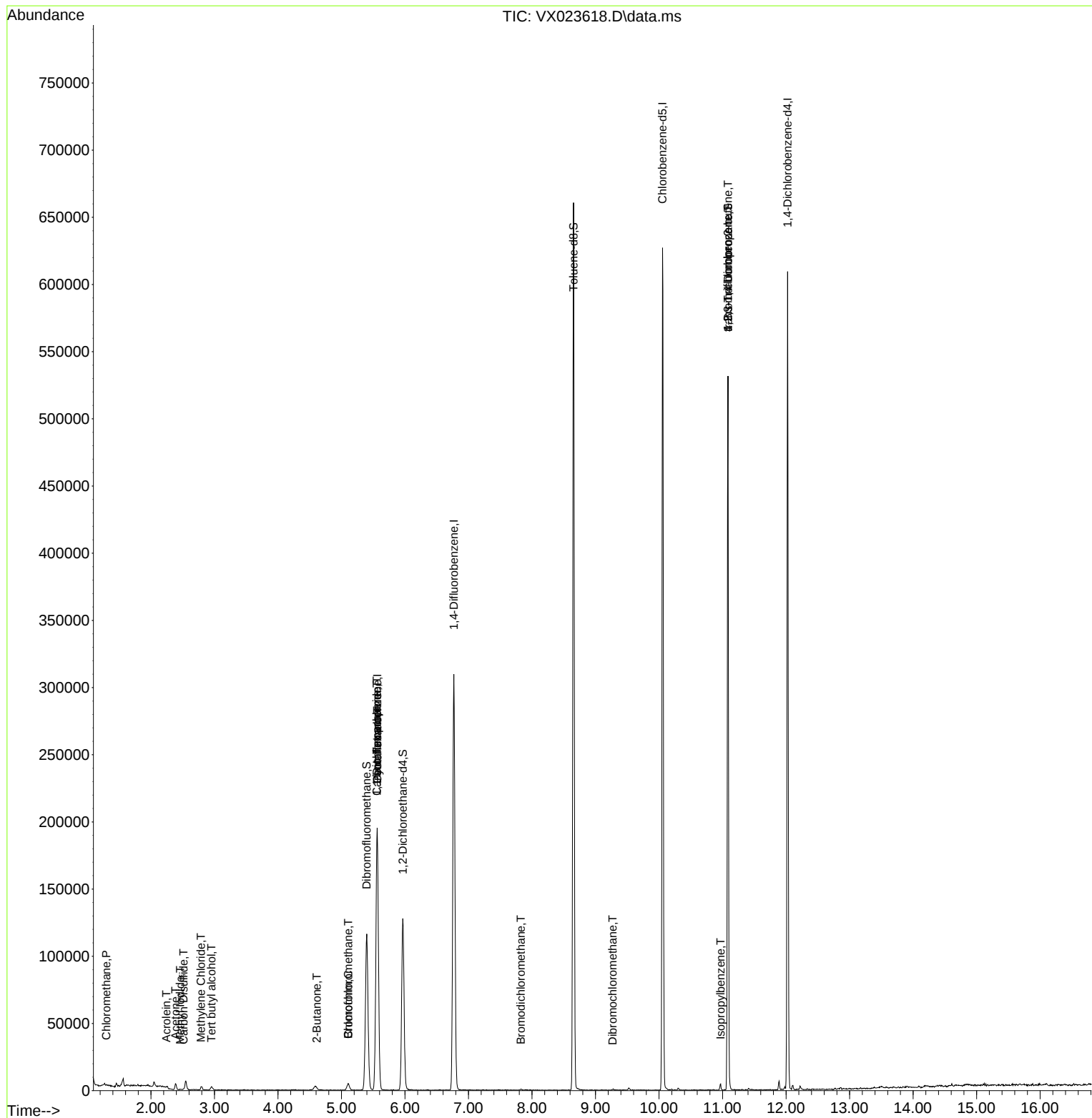
Internal Standards						
1) Pentafluorobenzene	5.562	168	182719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	311995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	283886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120481	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	123203	54.05	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.10%
35) Dibromofluoromethane	5.397	113	97953	50.21	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.42%
50) Toluene-d8	8.653	98	374265	52.22	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.44%
62) 4-Bromofluorobenzene	11.085	95	131560	53.98	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.96%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	505	0.26	ug/l #	80
10) Methyl Iodide	2.459	142	699	0.31	ug/l #	76
11) Tert butyl alcohol	2.953	59	1682	3.23	ug/l #	73
13) Acrolein	2.239	56	131	1.86	ug/l #	1
16) Acetone	2.386	43	5069	4.53	ug/l #	87
17) Carbon Disulfide	2.514	76	957	0.22	ug/l #	75
20) Methylene Chloride	2.788	84	1048	0.48	ug/l #	66
25) 2-Butanone	4.611	43	527	0.30	ug/l #	45
28) Bromochloromethane	5.105	49	501	0.30	ug/l #	9
30) Chloroform	5.105	83	5461	1.51	ug/l	95
31) Cyclohexane	5.562	56	4116	1.22	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	14440	5.12	ug/l #	49
38) Carbon Tetrachloride	5.556	117	18280	6.37	ug/l #	18
47) Bromodichloromethane	7.824	83	561	0.21	ug/l #	77
60) Dibromochloromethane	9.269	129	30	2.00	ug/l #	11
73) Isopropylbenzene	10.970	105	2577	0.28	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	69514	26.22	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	69514	70.50	ug/l #	12

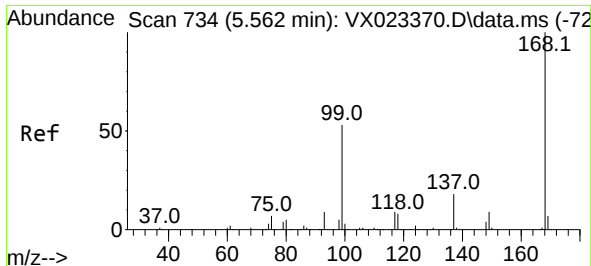
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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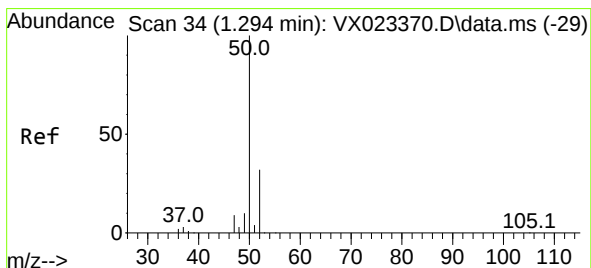
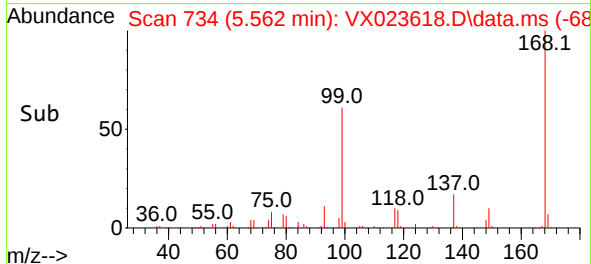
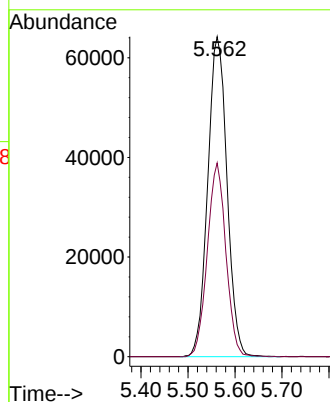
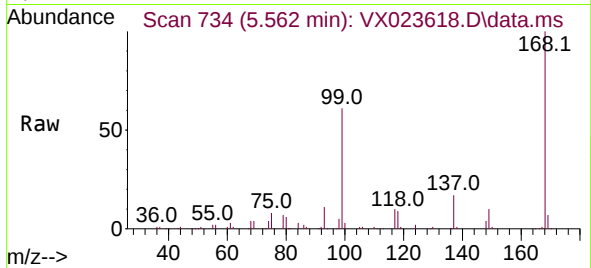




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

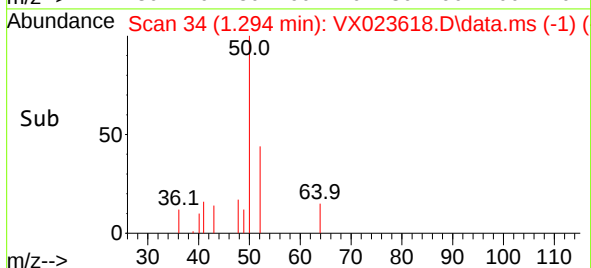
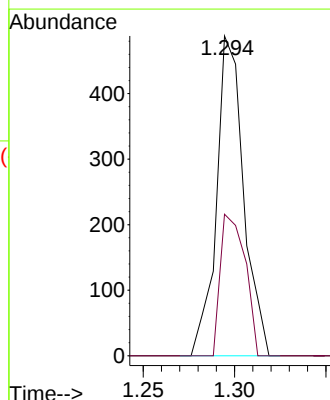
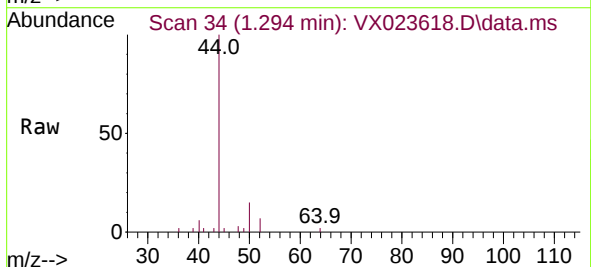
Instrument :
MSVOA_X
ClientSampleId :
MW-5

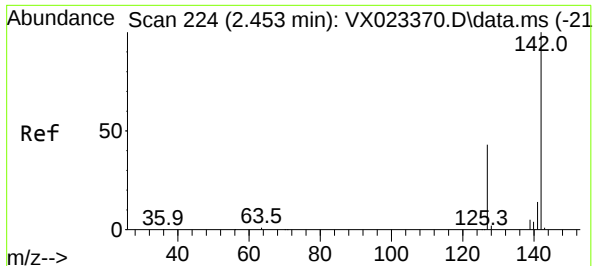
Tgt Ion:168 Resp: 182719
Ion Ratio Lower Upper
168 100
99 60.5 45.8 68.6



#3
Chloromethane
Concen: 0.26 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 50 Resp: 505
Ion Ratio Lower Upper
50 100
52 44.3 26.4 39.6#

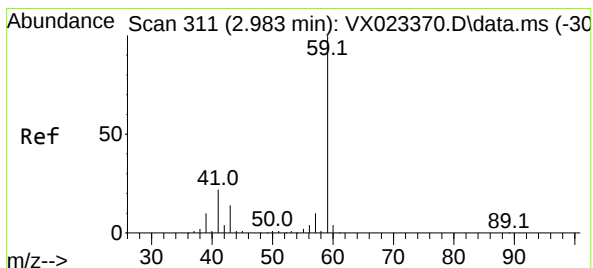
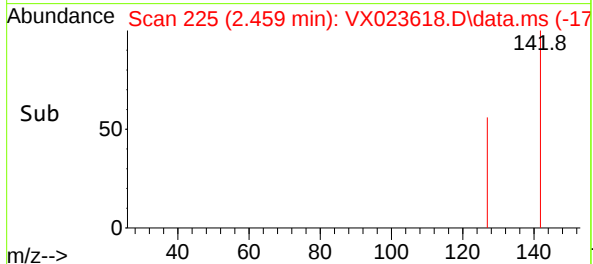
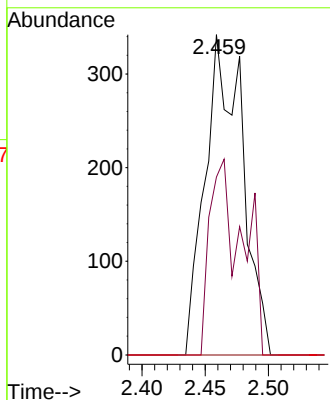
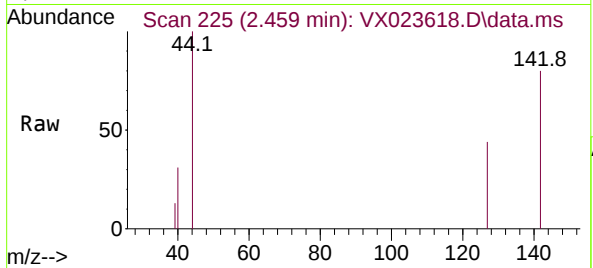




#10
Methyl Iodide
Concen: 0.31 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

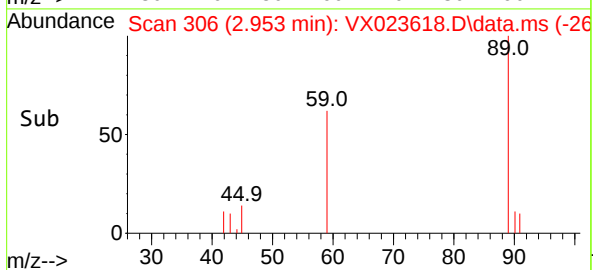
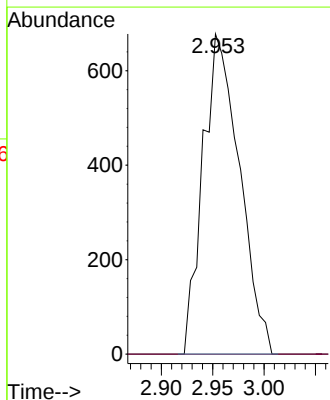
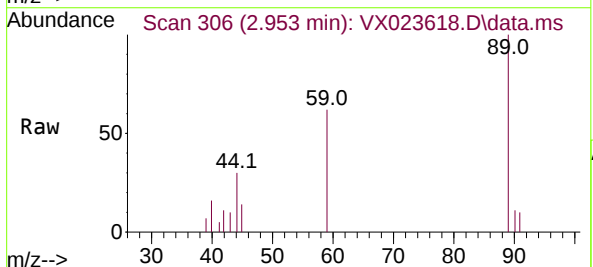
Instrument :
MSVOA_X
ClientSampled :
MW-5

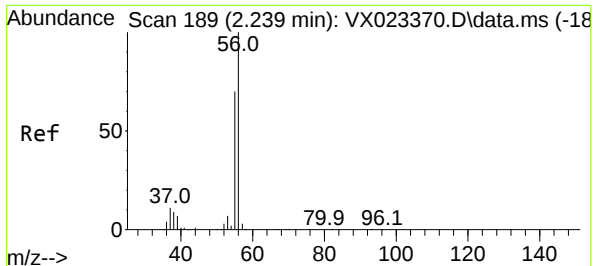
Tgt Ion:142 Resp: 699
Ion Ratio Lower Upper
142 100
127 54.4 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.23 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 59 Resp: 1682
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

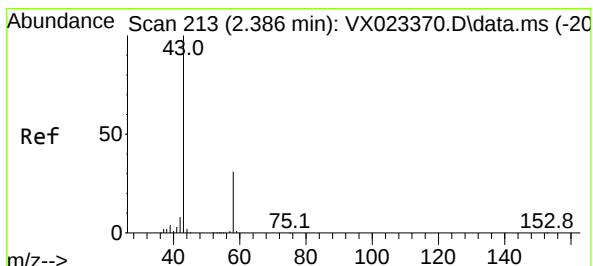
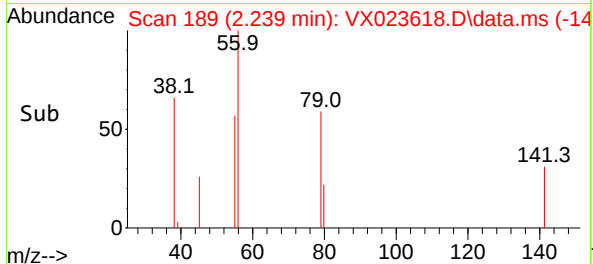
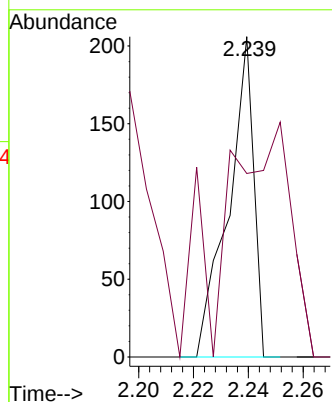
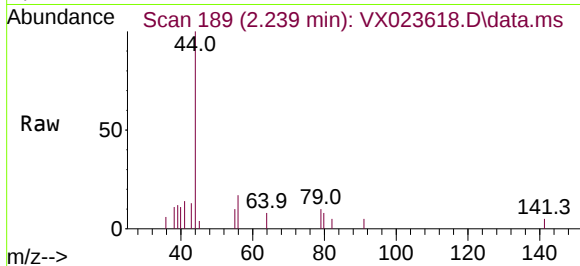




#13
Acrolein
Concen: 1.86 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

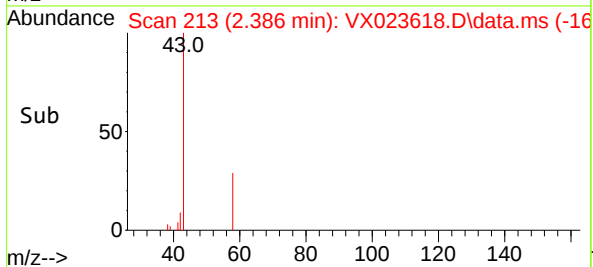
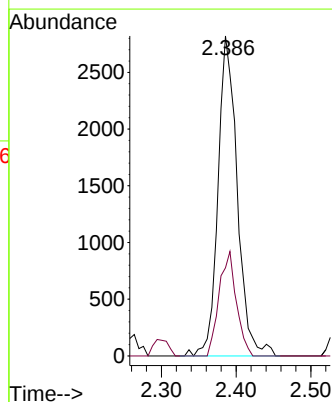
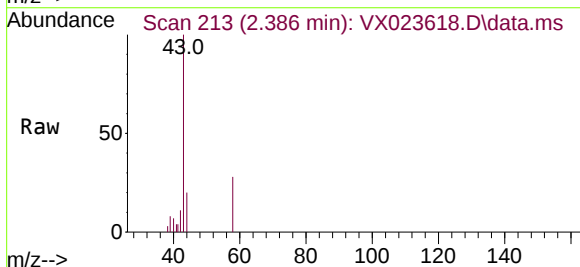
Instrument :
MSVOA_X
ClientSampled :
MW-5

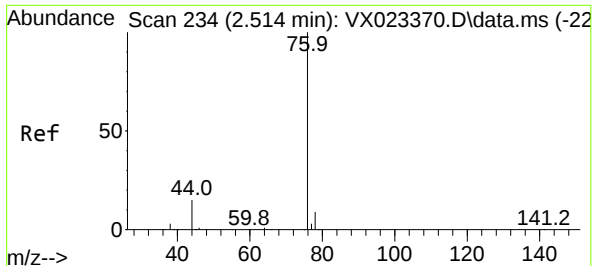
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 198.5 56.4 84.6#



#16
Acetone
Concen: 4.53 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 43 Resp: 5069
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#

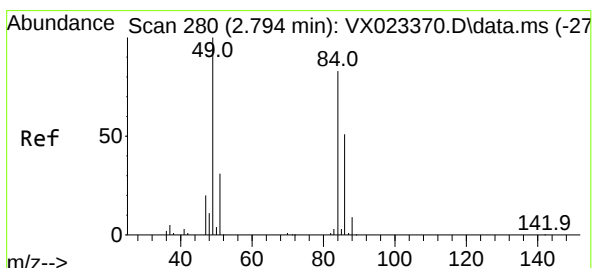
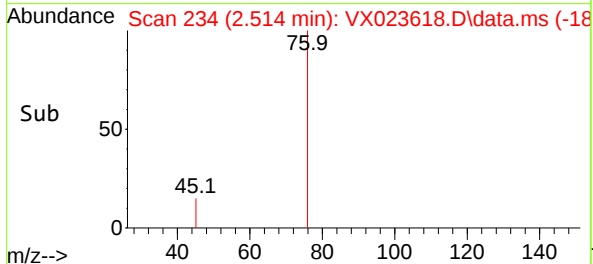
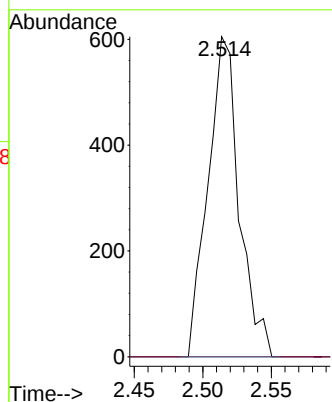
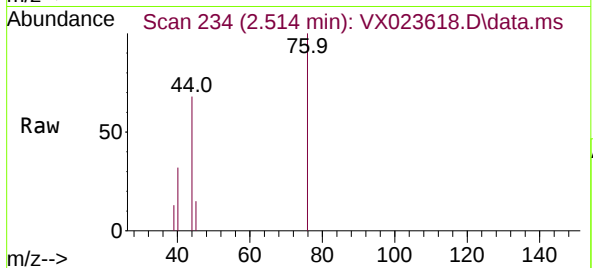




#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

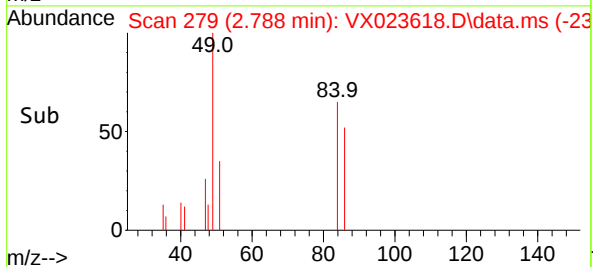
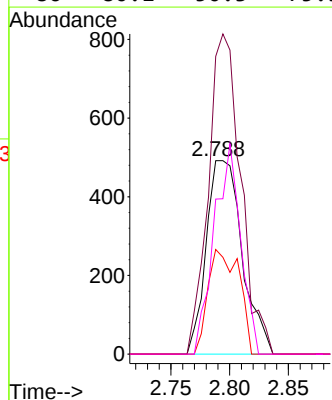
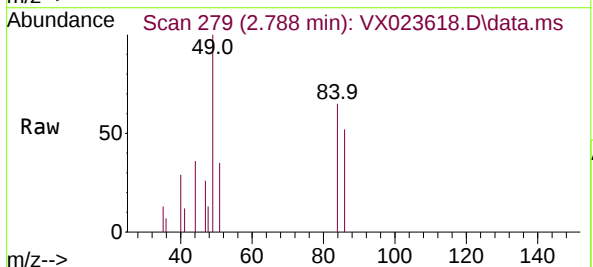
Instrument :
MSVOA_X
ClientSampled :
MW-5

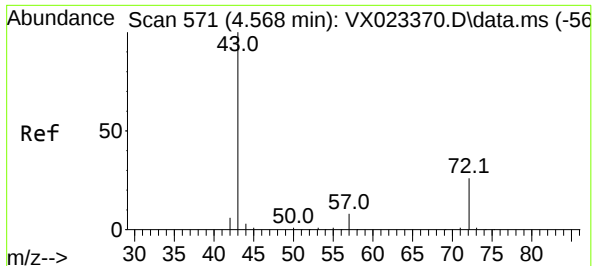
Tgt Ion: 76 Resp: 957
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.48 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
49 153.9 88.6 132.8#
51 54.1 27.0 40.6#
86 80.1 50.3 75.5#





#25

2-Butanone

Concen: 0.30 ug/l

RT: 4.611 min Scan# 578

Delta R.T. 0.043 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

Tgt Ion: 43 Resp: 527

Ion Ratio Lower Upper

43 100

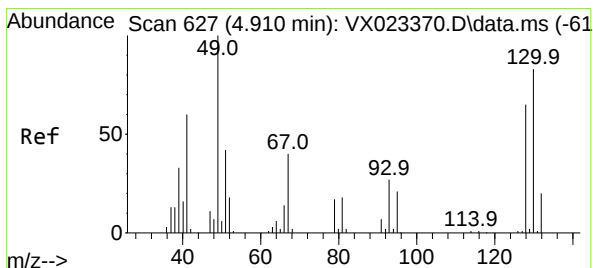
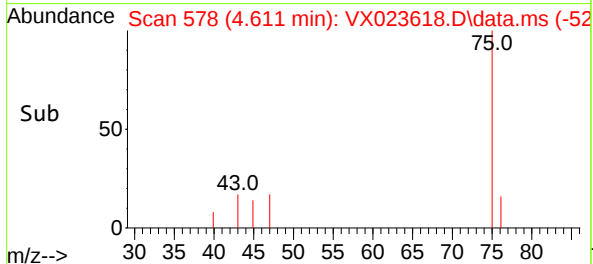
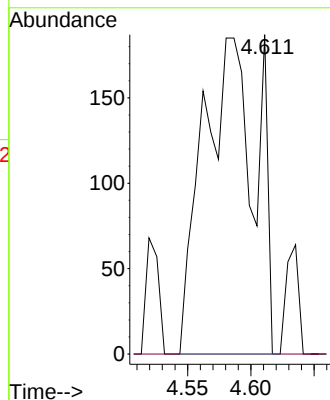
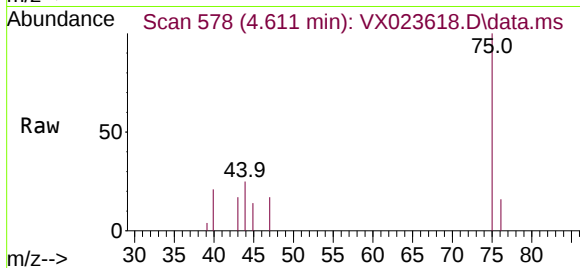
72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampled :

MW-5



#28

Bromochloromethane

Concen: 0.30 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.195 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

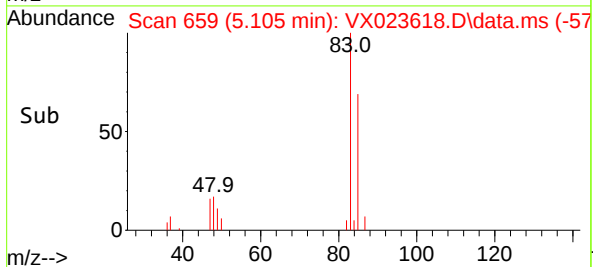
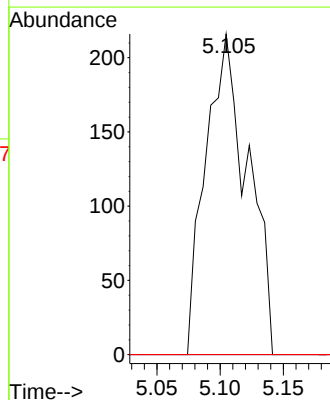
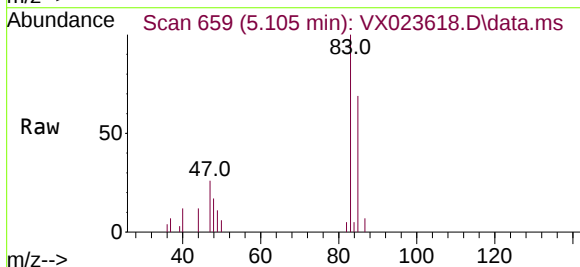
Tgt Ion: 49 Resp: 501

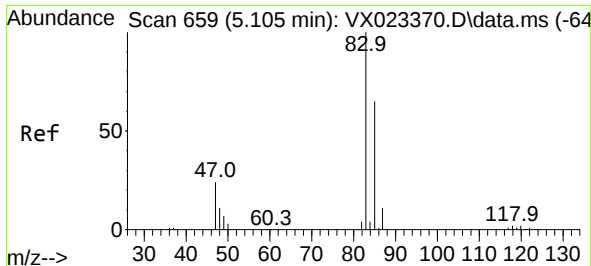
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 68.2 102.2#





#30

Chloroform

Concen: 1.51 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

Instrument :

MSVOA_X

ClientSampleId :

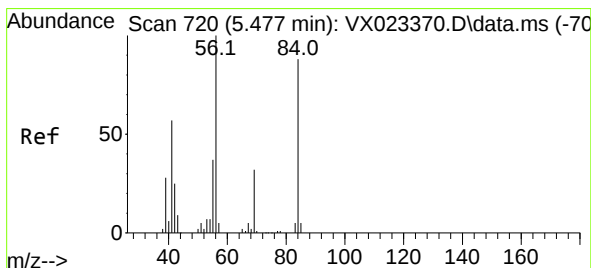
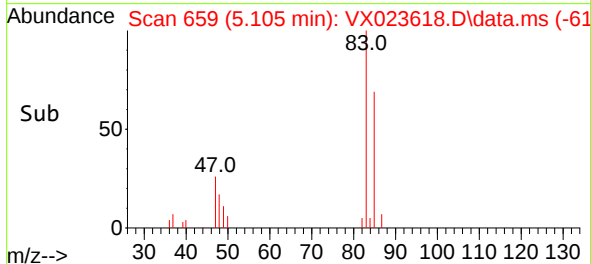
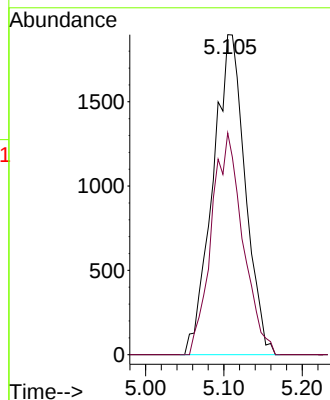
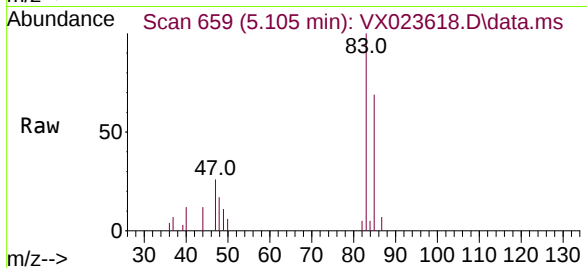
MW-5

Tgt Ion: 83 Resp: 5461

Ion Ratio Lower Upper

83 100

85 69.3 52.0 78.0



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

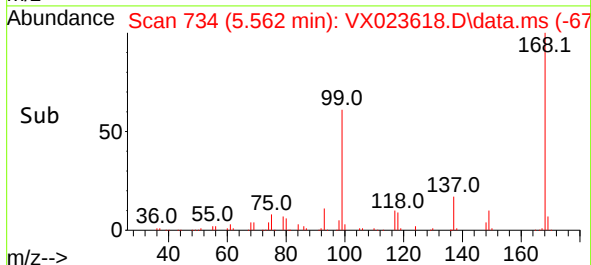
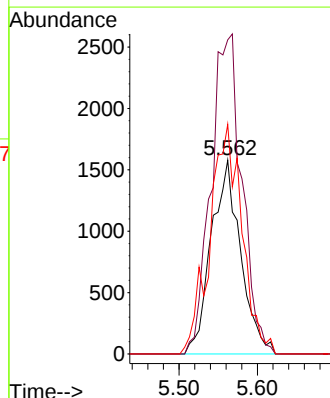
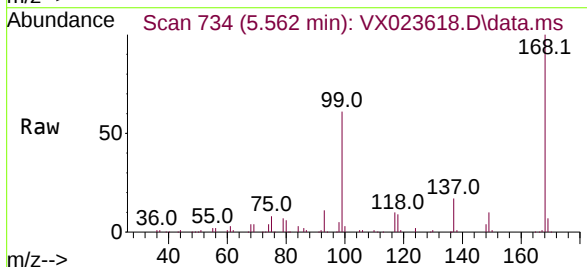
Tgt Ion: 56 Resp: 4116

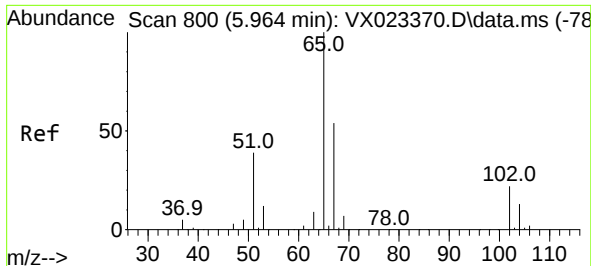
Ion Ratio Lower Upper

56 100

69 162.1 25.3 37.9#

84 118.4 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 54.05 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023618.D

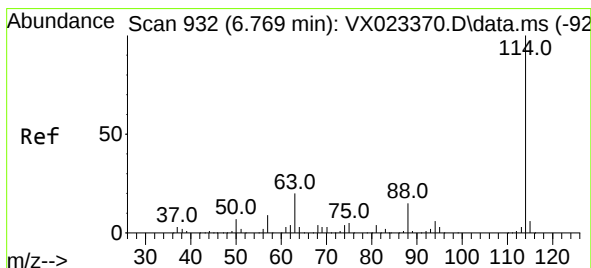
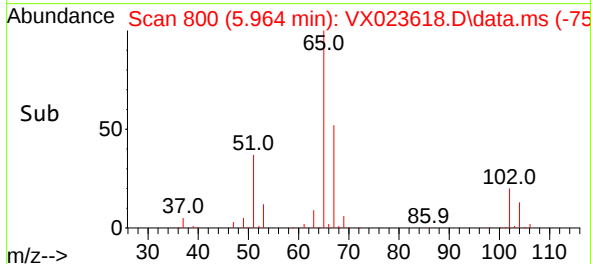
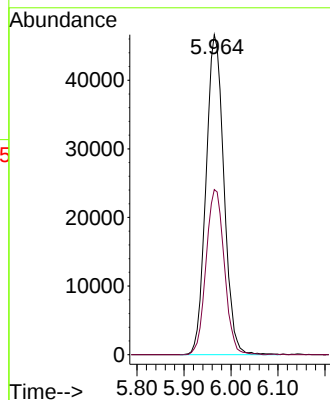
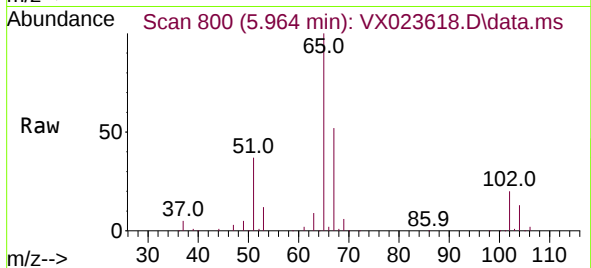
Acq: 09 Aug 2021 17:11

Tgt Ion: 65 Resp: 123203

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

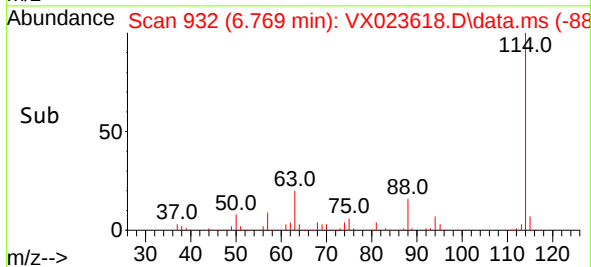
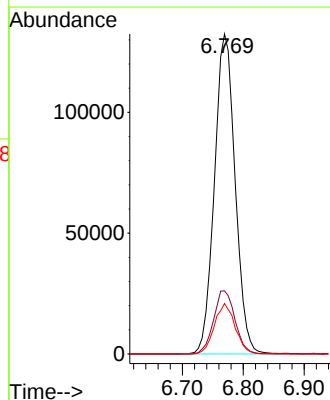
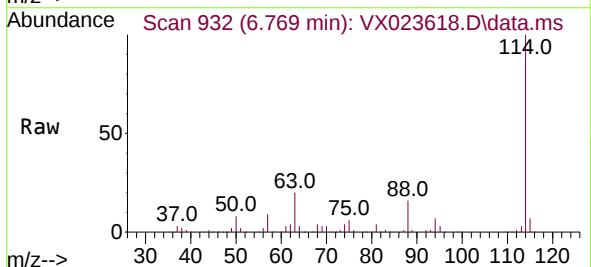
Tgt Ion: 114 Resp: 311995

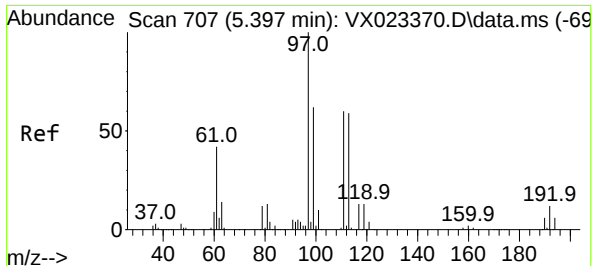
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.21 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

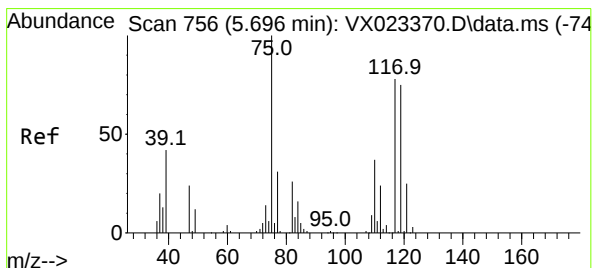
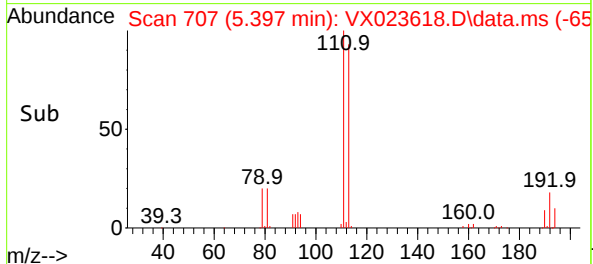
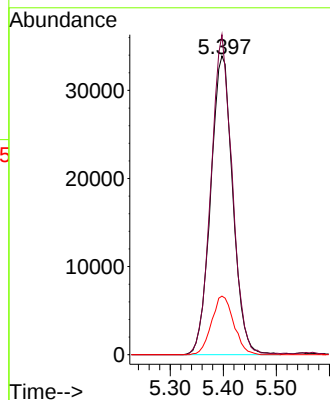
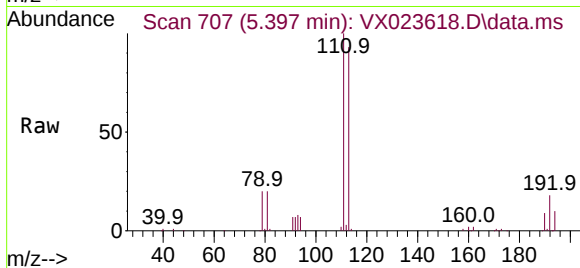
Tgt Ion:113 Resp: 97953

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.12 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023618.D

Acq: 09 Aug 2021 17:11

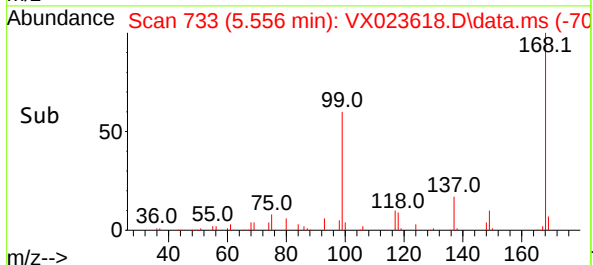
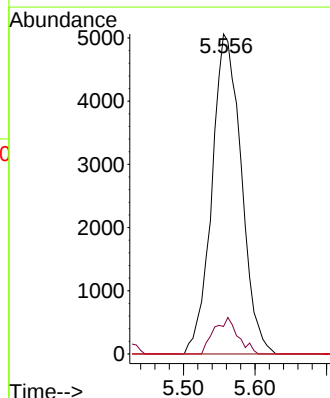
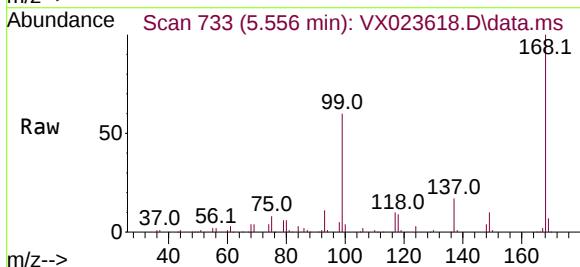
Tgt Ion: 75 Resp: 14440

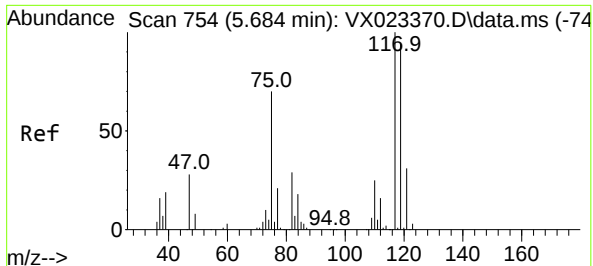
Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.0 25.3 37.9#

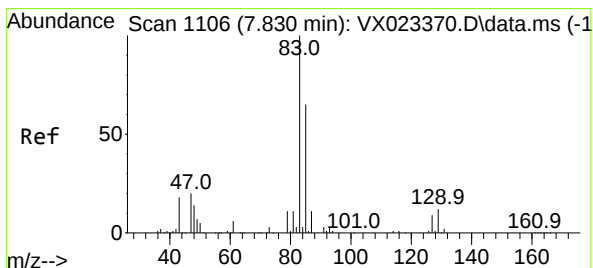
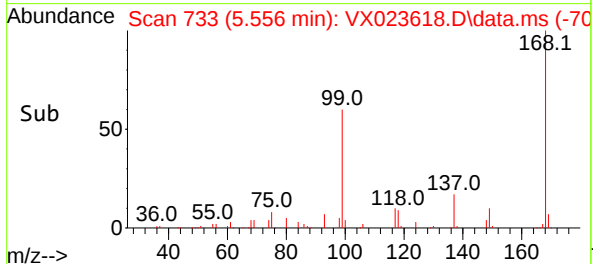
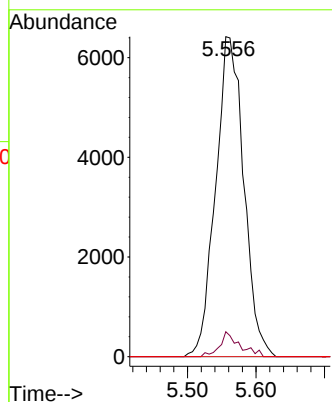
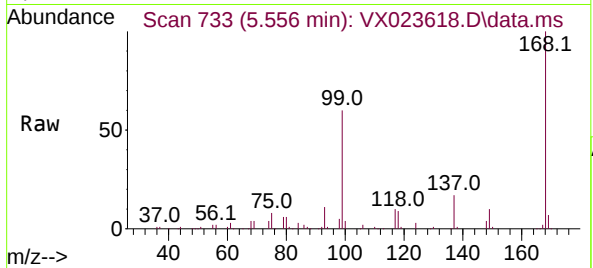




#38
Carbon Tetrachloride
Concen: 6.37 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

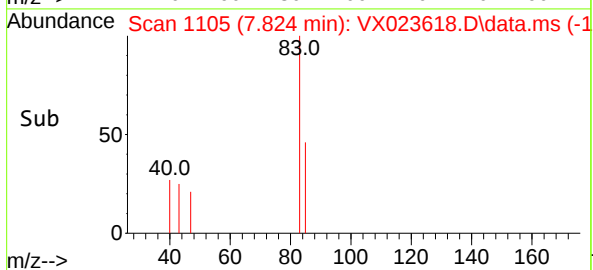
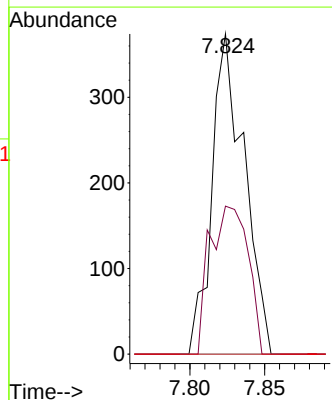
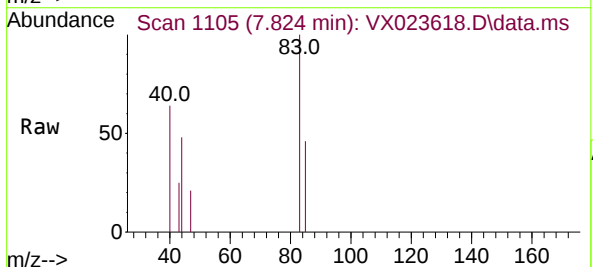
Instrument :
MSVOA_X
ClientSampleId :
MW-5

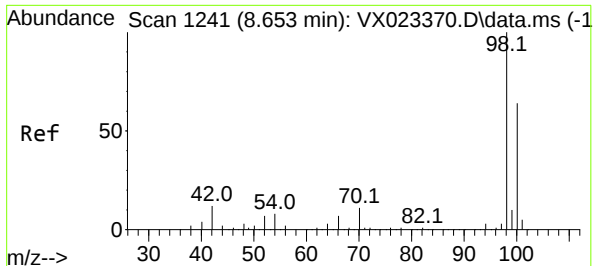
Tgt Ion:117 Resp: 18280
Ion Ratio Lower Upper
117 100
119 7.8 76.2 114.2#
121 0.0 24.8 37.2#



#47
Bromodichloromethane
Concen: 0.21 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 83 Resp: 561
Ion Ratio Lower Upper
83 100
85 46.3 51.4 77.0#
127 0.0 6.8 10.2#





#50

Toluene-d8

Concen: 52.22 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023618.D

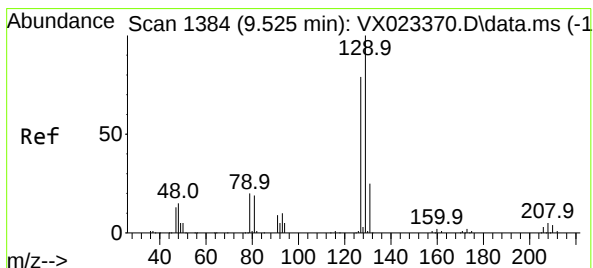
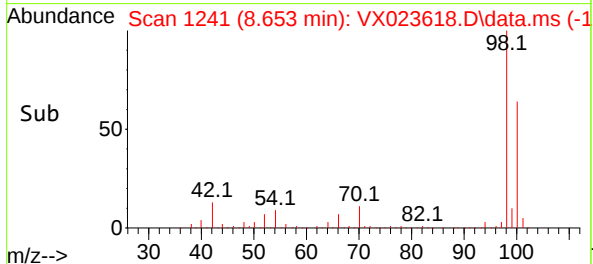
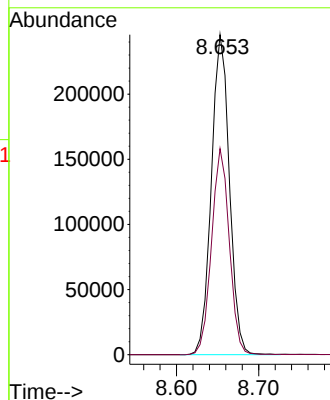
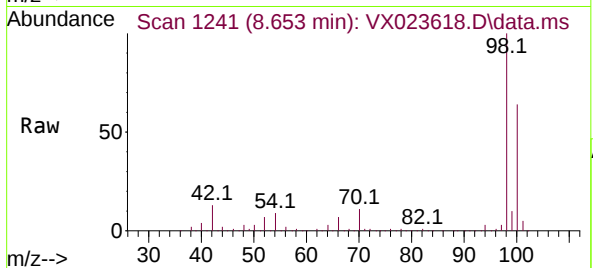
Acq: 09 Aug 2021 17:11

Tgt Ion: 98 Resp: 374265

Ion Ratio Lower Upper

98 100

100 63.4 51.9 77.9



#60

Dibromochloromethane

Concen: 2.00 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.256 min

Lab File: VX023618.D

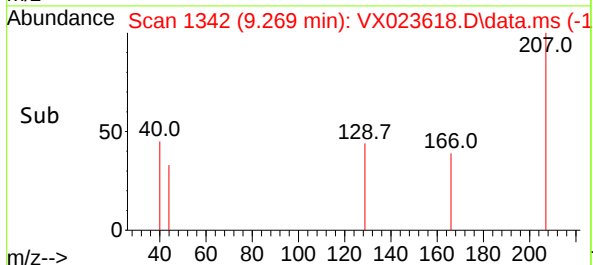
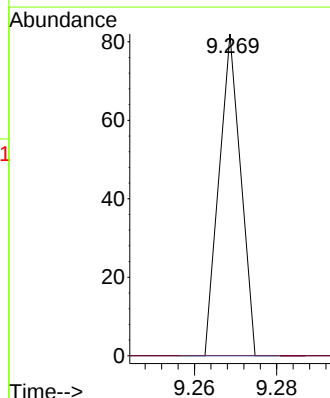
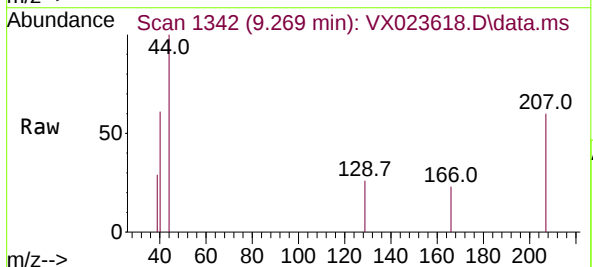
Acq: 09 Aug 2021 17:11

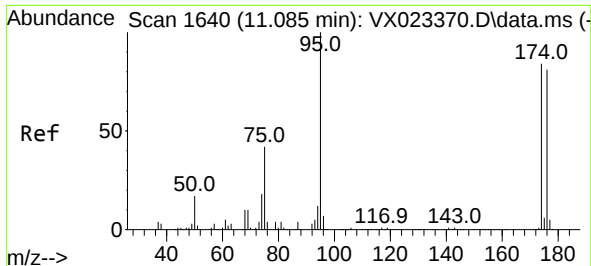
Tgt Ion: 129 Resp: 30

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

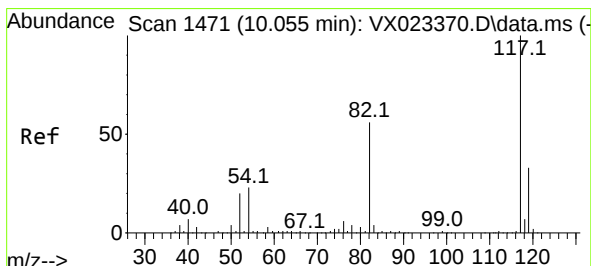
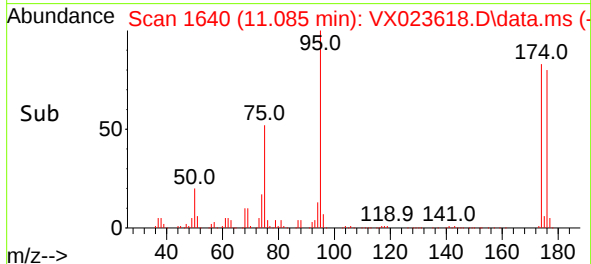
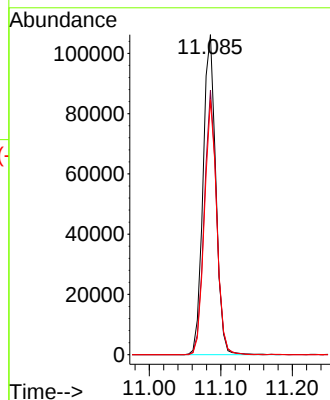
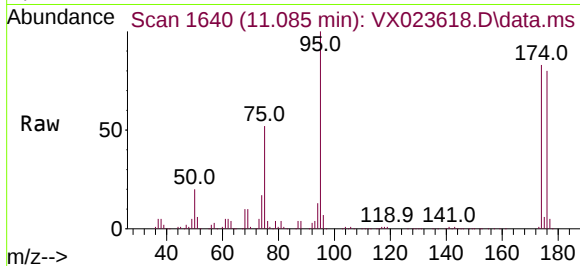




#62
4-Bromofluorobenzene
Concen: 53.98 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

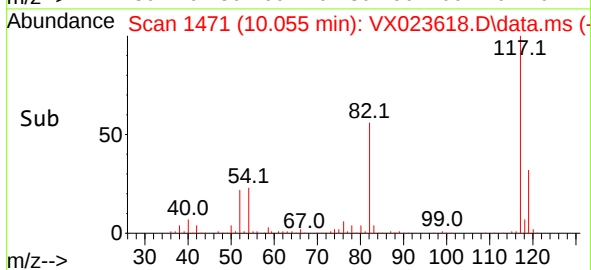
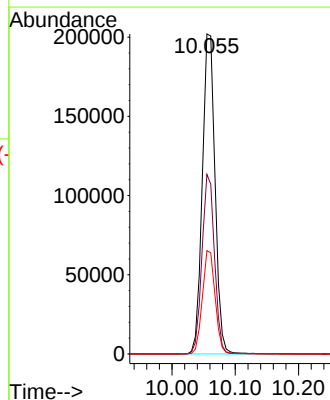
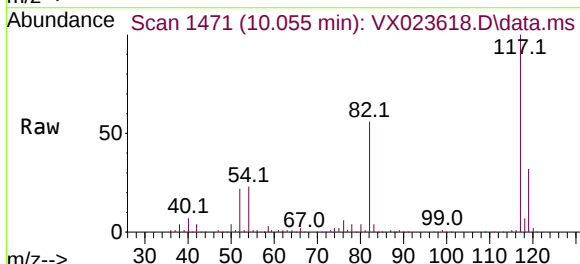
Instrument :
MSVOA_X
ClientSampleId :
MW-5

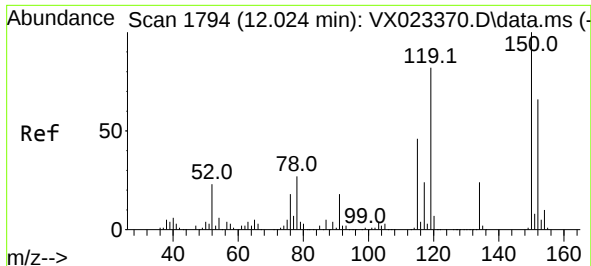
Tgt Ion: 95 Resp: 131560
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 117 Resp: 283886
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 32.3 26.6 39.8

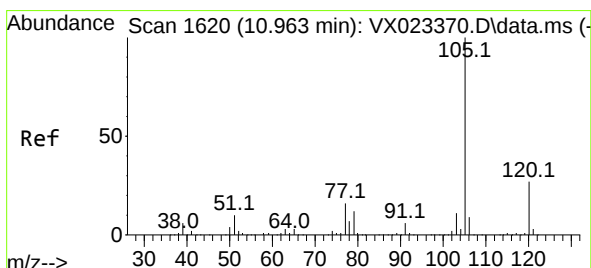
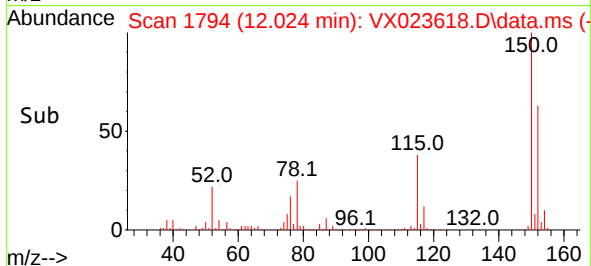
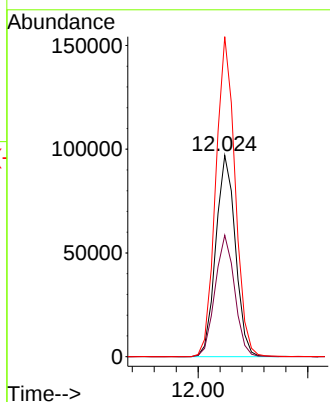
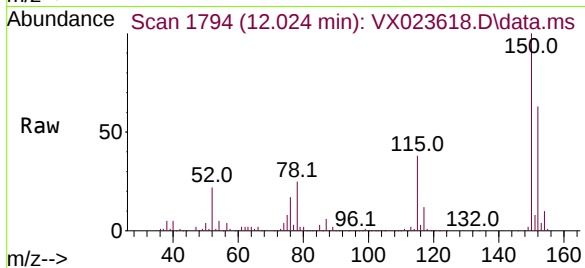




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

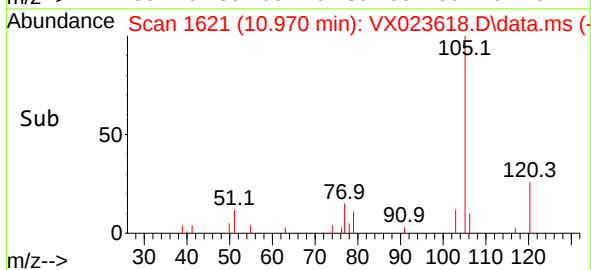
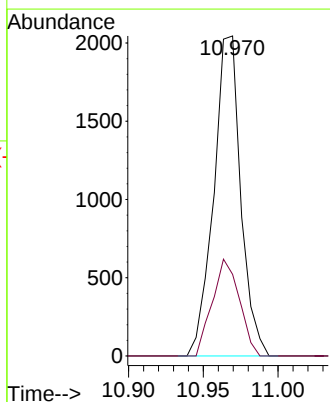
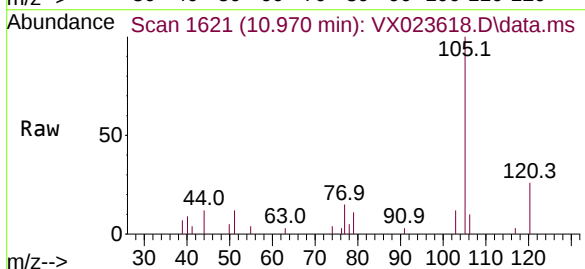
Instrument :
MSVOA_X
ClientSampleId :
MW-5

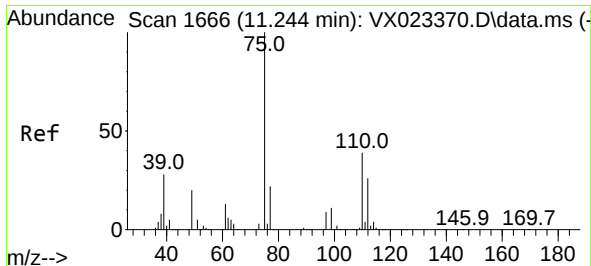
Tgt Ion:152 Resp: 120481
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 156.8 0.0 349.0



#73
Isopropylbenzene
Concen: 0.28 ug/l
RT: 10.970 min Scan# 1621
Delta R.T. 0.007 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion:105 Resp: 2577
Ion Ratio Lower Upper
105 100
120 30.2 13.2 39.6

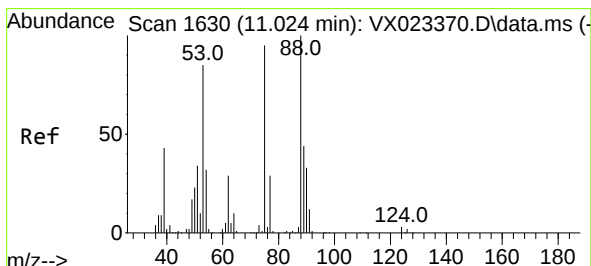
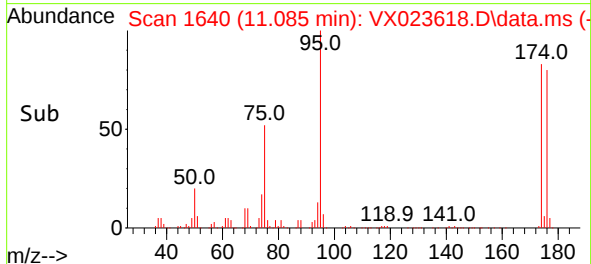
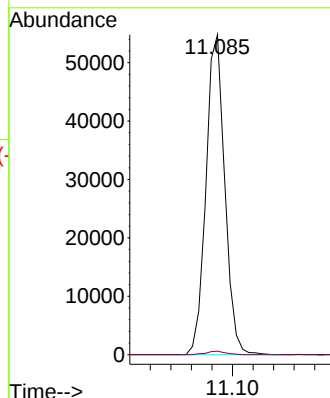
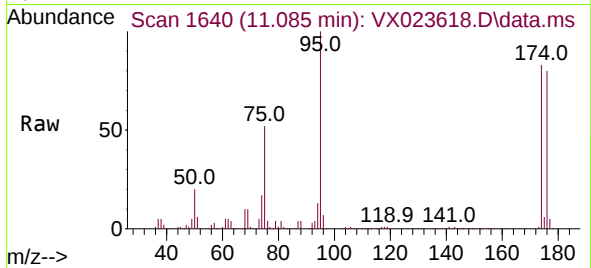




#76
1,2,3-Trichloropropane
Concen: 26.22 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion: 75 Resp: 69514
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.50 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023618.D
Acq: 09 Aug 2021 17:11

Tgt Ion: 75 Resp: 69514
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

