

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070221\
 Data File : VX023122.D
 Acq On : 02 Jul 2021 21:03
 Operator : JC/MD
 Sample : M2898-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

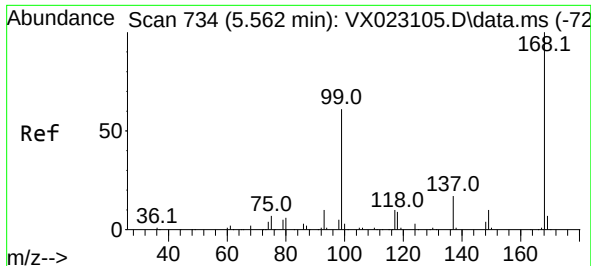
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07-1.5-6.5-062921

Quant Time: Jul 05 02:58:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	242437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	402575	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	172043	52.801	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.600%			
35) Dibromofluoromethane	5.403	113	130851	50.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	8.653	98	478738	49.368	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.085	95	169065	45.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.320%			
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	2792	1.285	ug/l #	69
4) Vinyl Chloride	1.374	62	1578	0.685	ug/l #	1
5) Bromomethane	1.617	94	1013	Below Cal		91
11) Tert butyl alcohol	2.977	59	181	0.264	ug/l #	92
13) Acrolein	2.245	56	219	0.480	ug/l #	1
16) Acetone	2.392	43	5383	4.176	ug/l	90
17) Carbon Disulfide	2.526	76	9003	1.975	ug/l	95
20) Methylene Chloride	2.794	84	898	0.324	ug/l	92
25) 2-Butanone	4.580	43	493	0.254	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	1703	0.602	ug/l	97
36) 1,1-Dichloropropene	5.556	75	19467	5.424	ug/l #	50
38) Carbon Tetrachloride	5.562	117	25970	6.933	ug/l #	17
39) Methylcyclohexane	7.397	83	1172	0.279	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	52	2.747	ug/l #	44
55) 1,1,2-Trichloroethane	9.104	97	1504	0.531	ug/l #	20
60) Dibromochloromethane	9.281	129	56	3.129	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	90570	30.032	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	90570	80.631	ug/l #	12
88) 1,4-Dichlorobenzene	12.049	146	1674	0.336	ug/l #	66
90) Hexachloroethane	12.652	117	287	3.165	ug/l #	9
95) Naphthalene	13.780	128	406	1.311	ug/l #	69

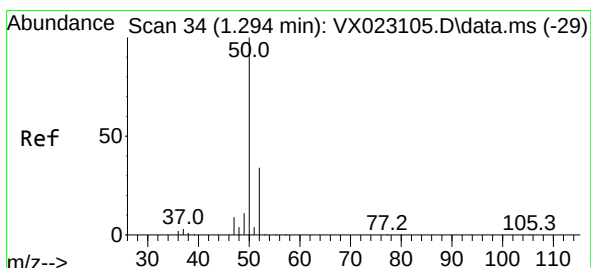
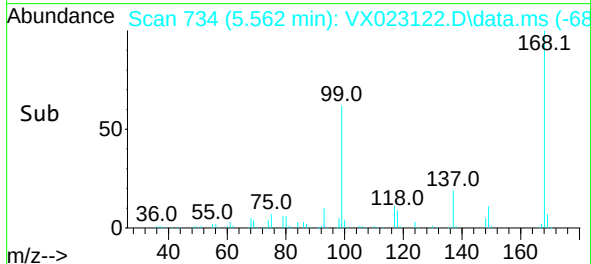
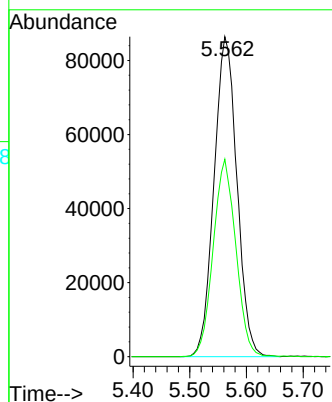
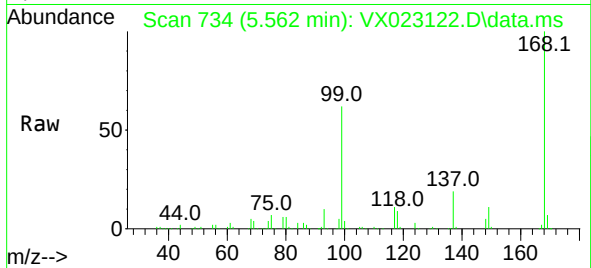
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

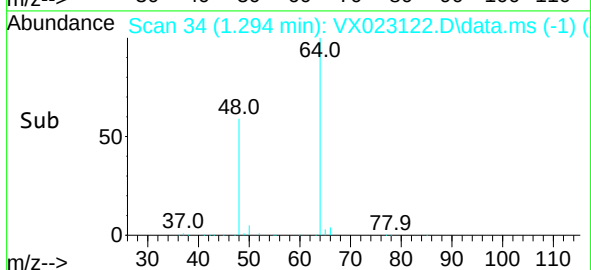
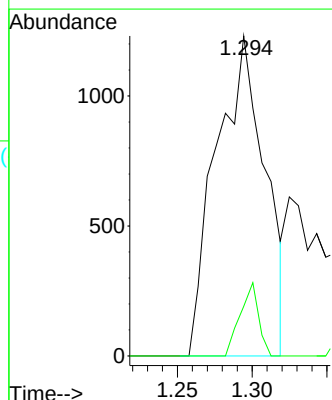
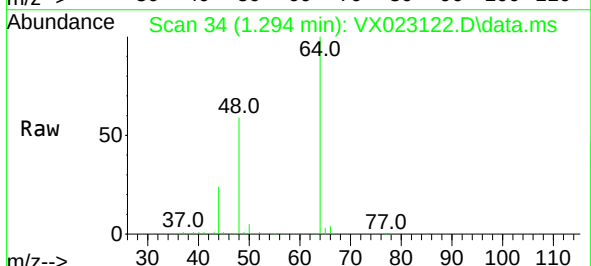
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

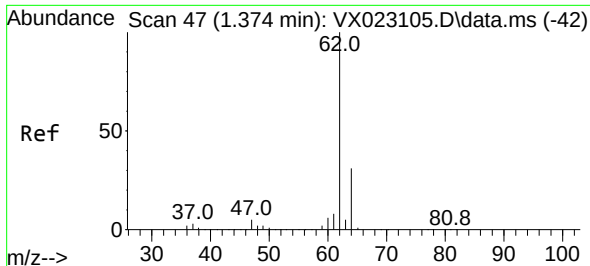
Tgt Ion:168 Resp: 242437
Ion Ratio Lower Upper
168 100
99 61.7 45.8 68.6



#3
Chloromethane
Concen: 1.285 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion: 50 Resp: 2792
Ion Ratio Lower Upper
50 100
52 15.5 26.4 39.6#

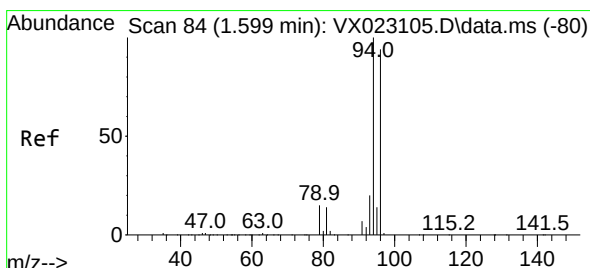
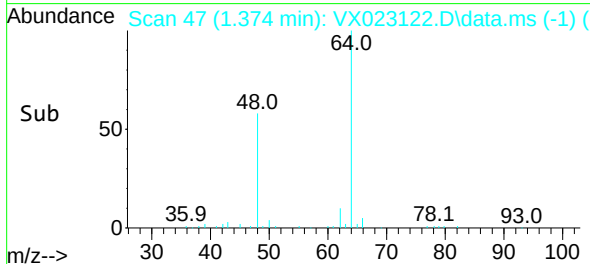
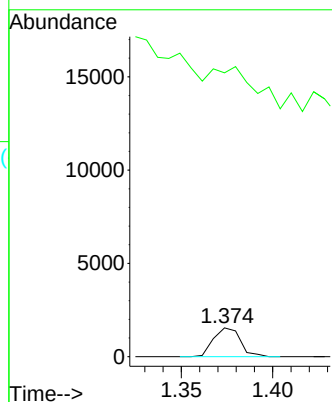
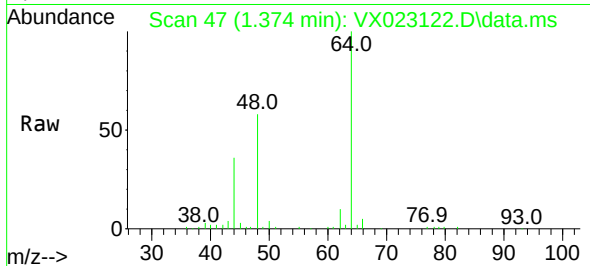




#4
 Vinyl Chloride
 Concen: 0.685 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023122.D
 Acq: 02 Jul 2021 21:03

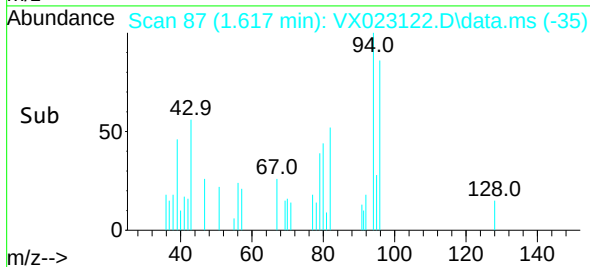
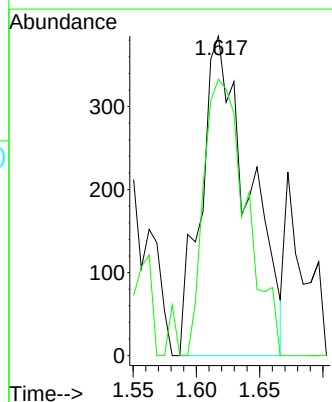
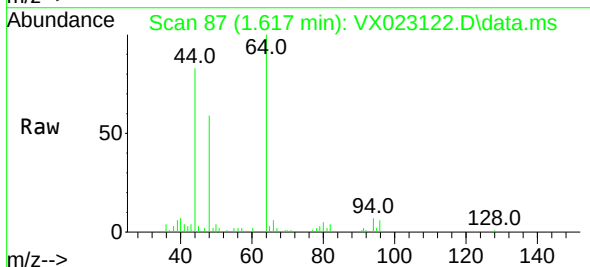
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07-1.5-6.5-062921

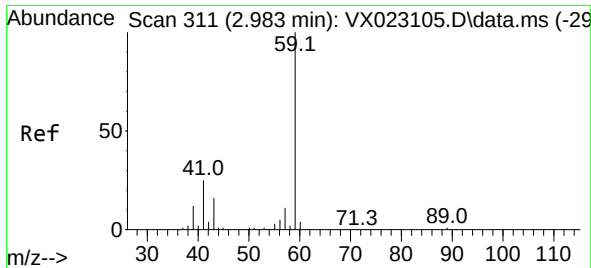
Tgt Ion: 62 Resp: 1578
 Ion Ratio Lower Upper
 62 100
 64 125.2 25.7 38.5#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX023122.D
 Acq: 02 Jul 2021 21:03

Tgt Ion: 94 Resp: 1013
 Ion Ratio Lower Upper
 94 100
 96 86.5 76.4 114.6

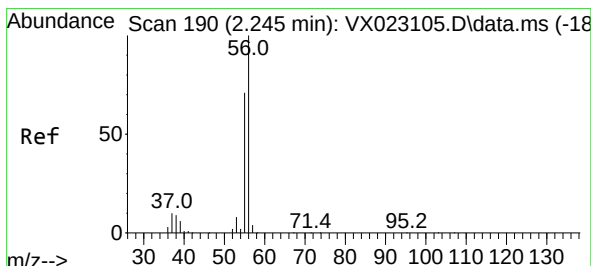
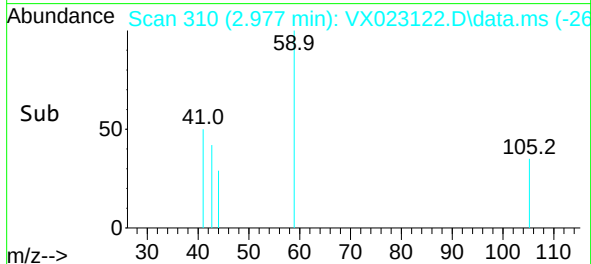
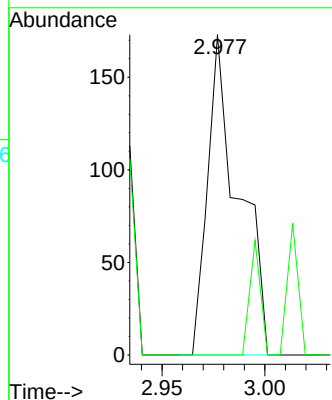
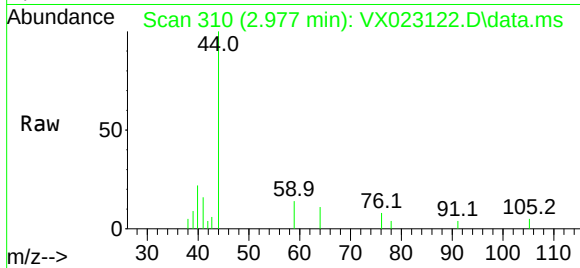




#11
Tert butyl alcohol
Concen: 0.264 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

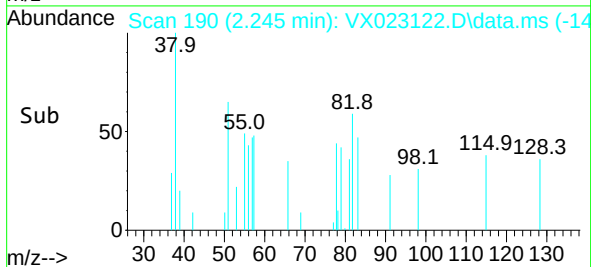
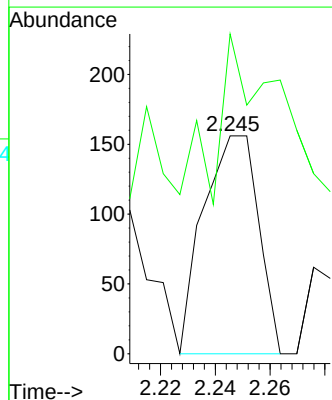
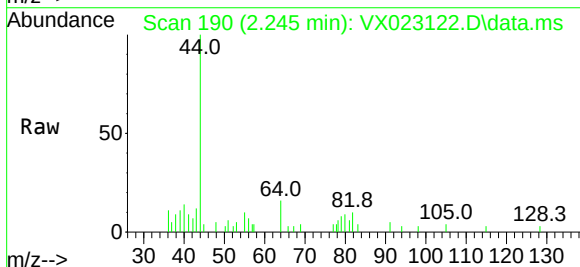
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

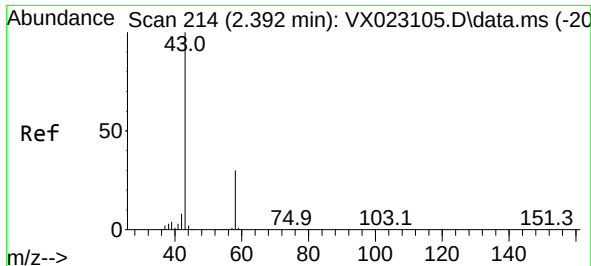
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 12.7 7.8 11.8#



#13
Acrolein
Concen: 0.480 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 189.0 56.4 84.6#

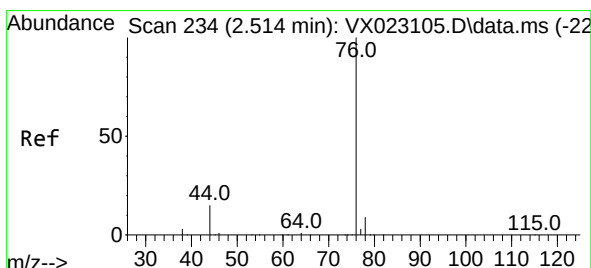
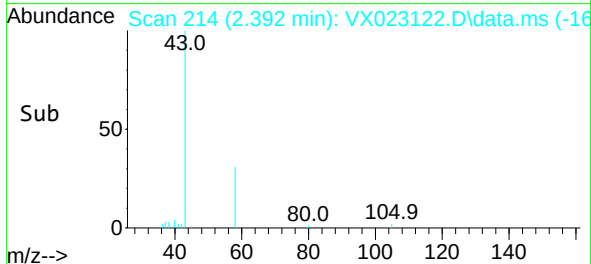
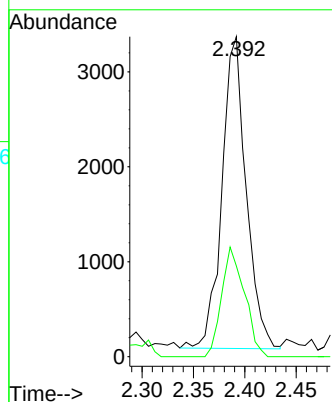
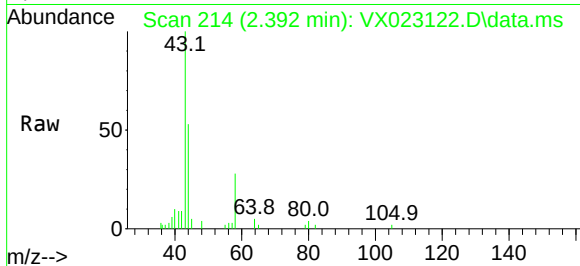




#16
Acetone
Concen: 4.176 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

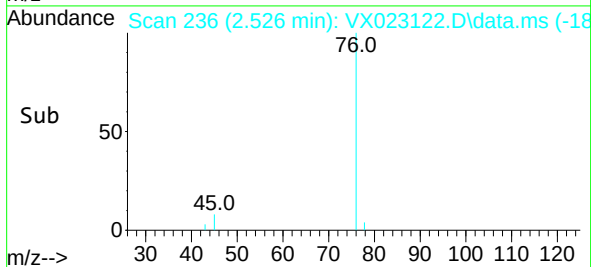
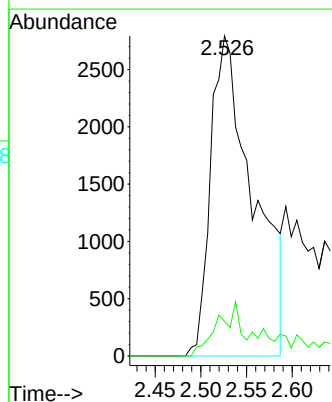
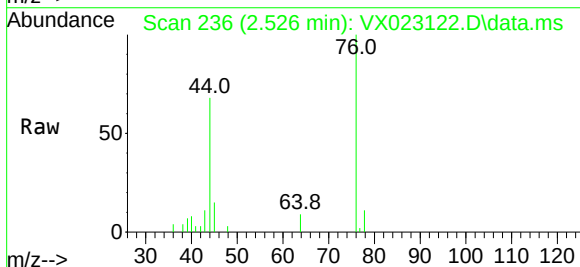
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

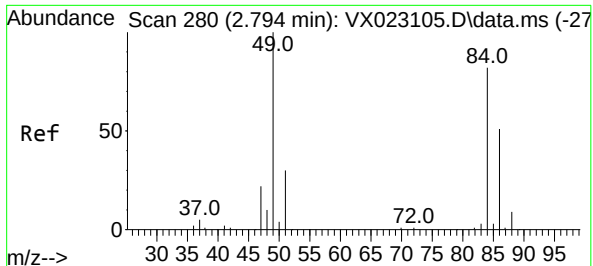
Tgt Ion: 43 Resp: 5383
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8



#17
Carbon Disulfide
Concen: 1.975 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

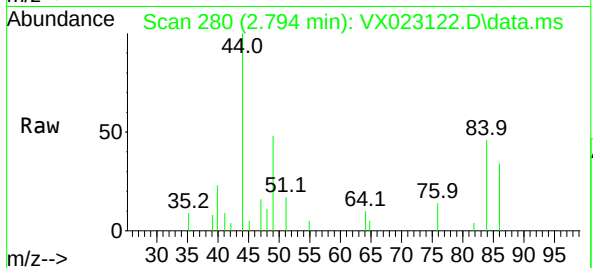
Tgt Ion: 76 Resp: 9003
Ion Ratio Lower Upper
76 100
78 10.8 7.2 10.8



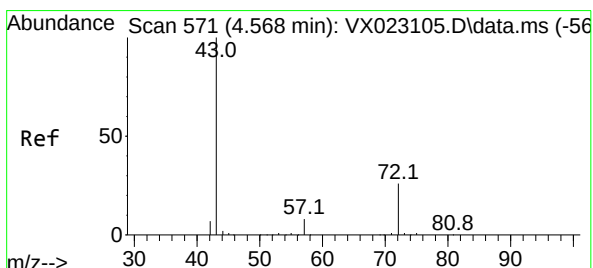
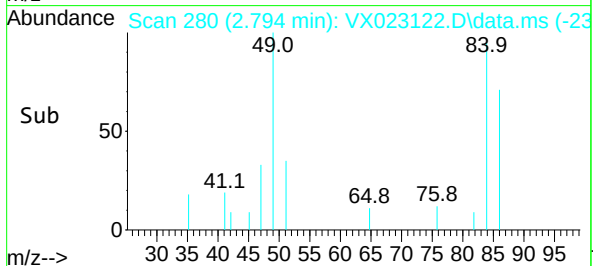
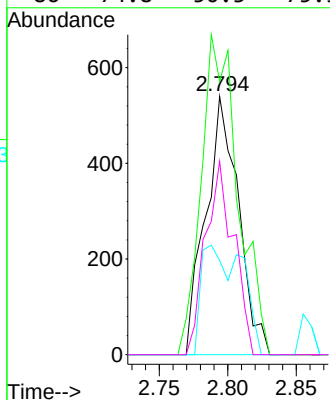


#20
Methylene Chloride
Concen: 0.324 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

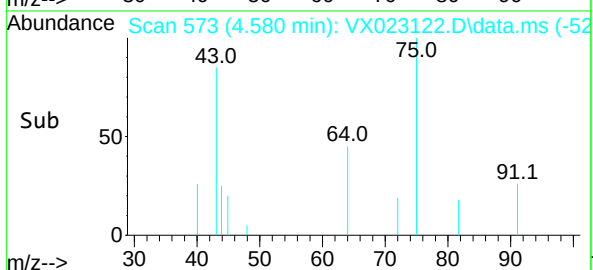
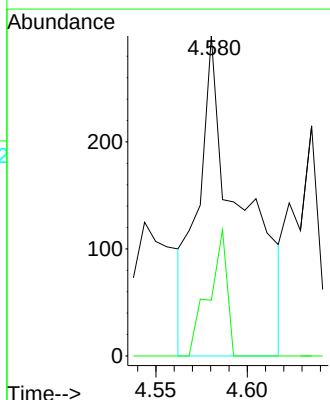
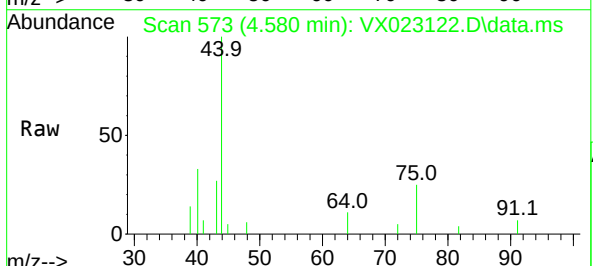


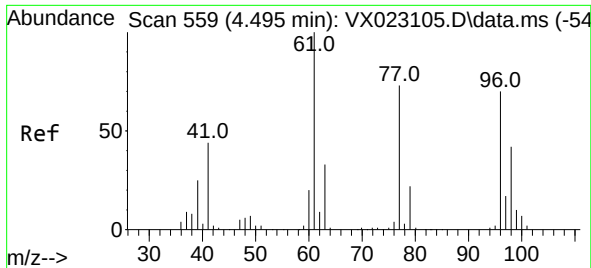
Tgt Ion:	84	Resp:	898
Ion	Ratio	Lower	Upper
84	100		
49	105.7	88.6	132.8
51	36.5	27.0	40.6
86	74.8	50.3	75.5



#25
2-Butanone
Concen: 0.254 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion:	43	Resp:	493
Ion	Ratio	Lower	Upper
43	100		
72	26.1	23.7	35.5





#27

cis-1,2-Dichloroethene

Concen: 0.602 ug/l

RT: 4.495 min Scan# 559

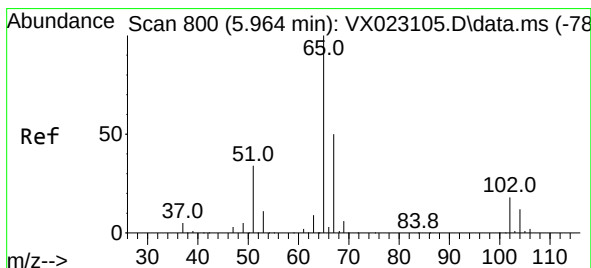
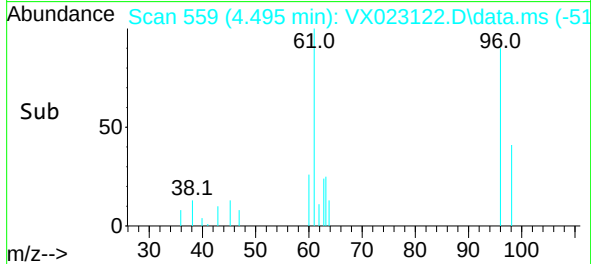
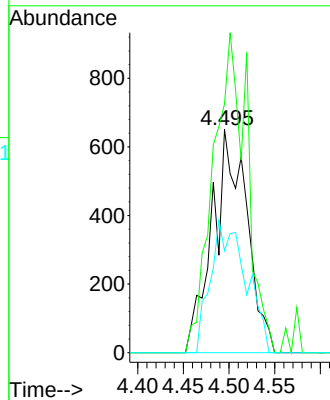
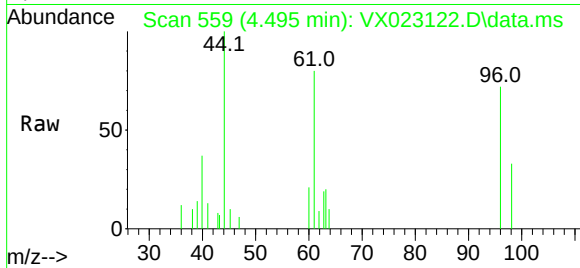
Delta R.T. -0.000 min

Lab File: VX023122.D

Acq: 02 Jul 2021 21:03

Tgt Ion: 96 Resp: 1703

Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	285.6
98	60.8	0.0	129.6



#33

1,2-Dichloroethane-d4

Concen: 52.801 ug/l

RT: 5.964 min Scan# 800

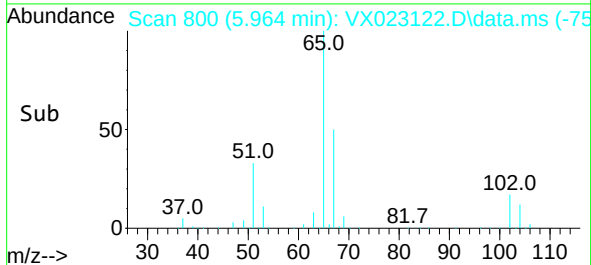
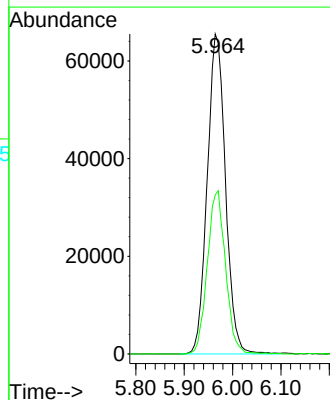
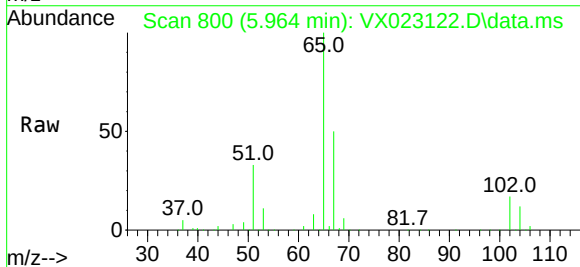
Delta R.T. 0.000 min

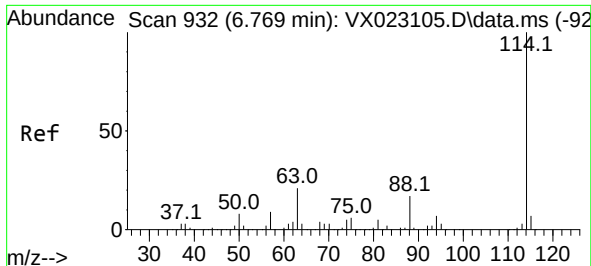
Lab File: VX023122.D

Acq: 02 Jul 2021 21:03

Tgt Ion: 65 Resp: 172043

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	105.4

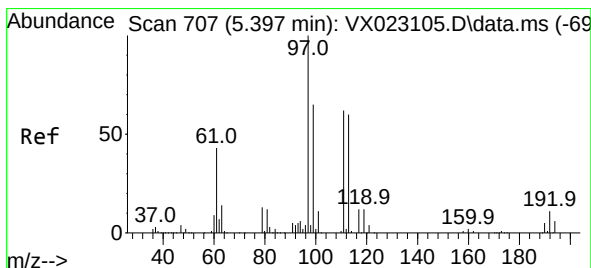
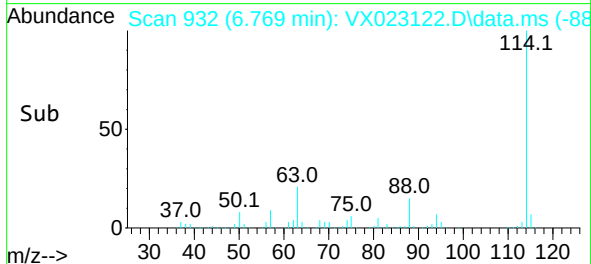
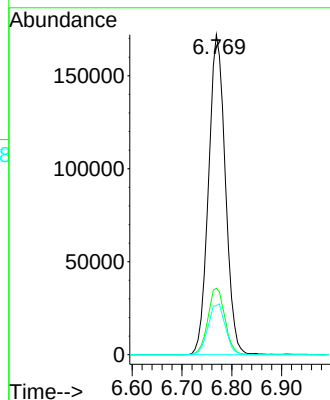
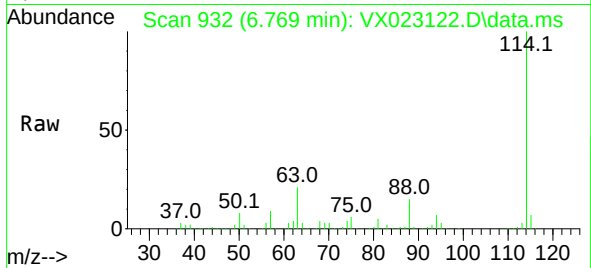




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

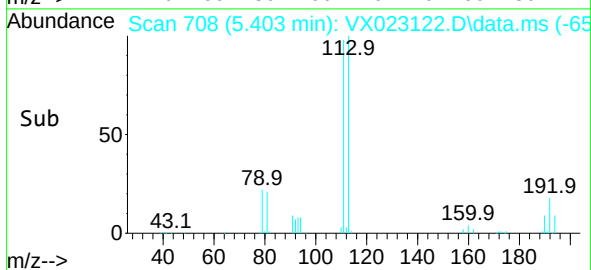
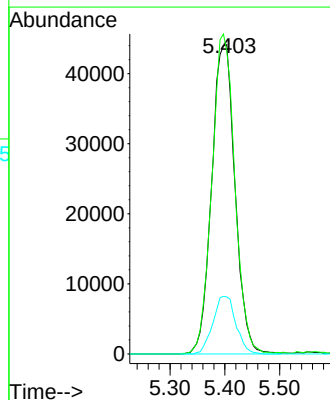
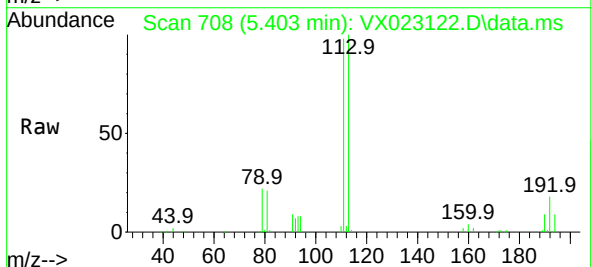
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

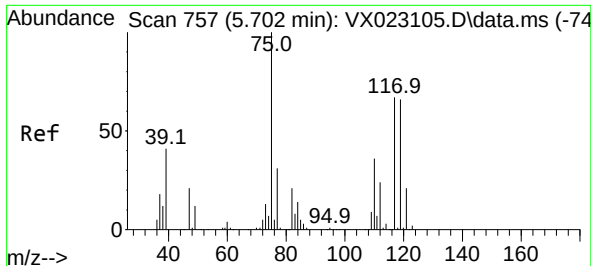
Tgt Ion:114 Resp: 402575
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.334 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion:113 Resp: 130851
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 18.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.424 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023122.D

Acq: 02 Jul 2021 21:03

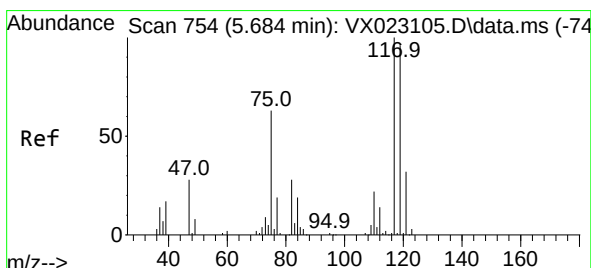
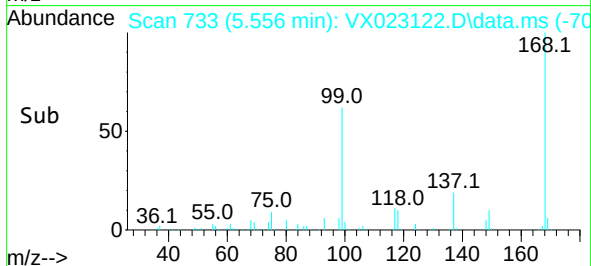
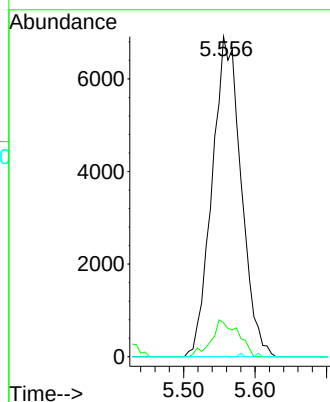
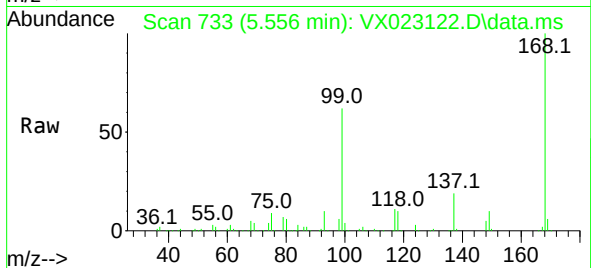
Tgt Ion: 75 Resp: 19467

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.933 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023122.D

Acq: 02 Jul 2021 21:03

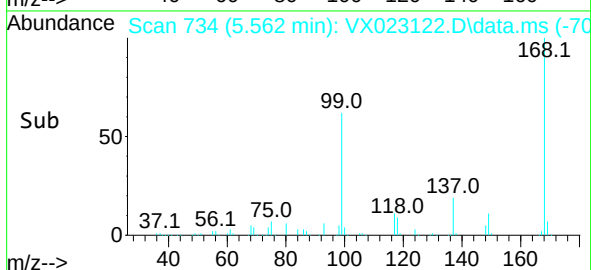
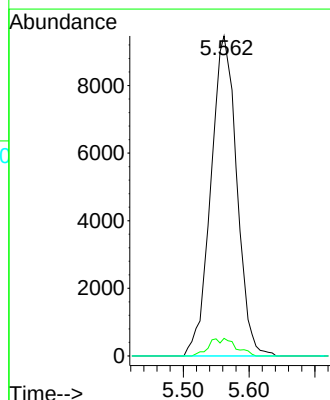
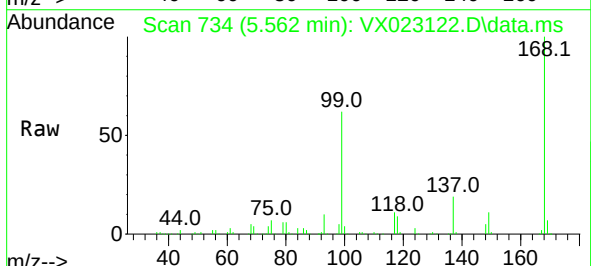
Tgt Ion: 117 Resp: 25970

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

121 0.0 24.8 37.2#

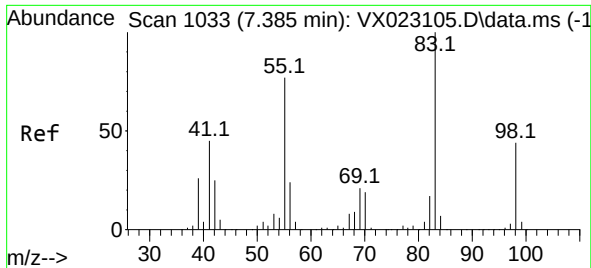


Instrument :

MSVOA_X

ClientSampleId :

MW-07-1.5-6.5-062921



#39

Methylcyclohexane

Concen: 0.279 ug/l

RT: 7.397 min Scan# 1035

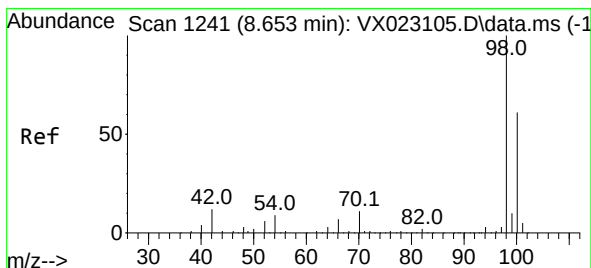
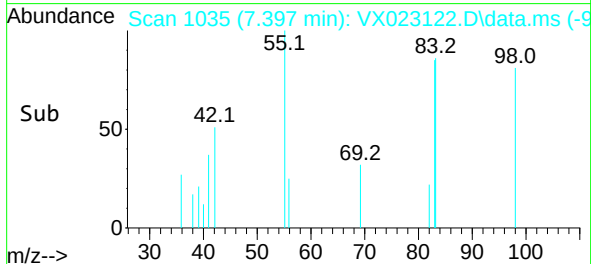
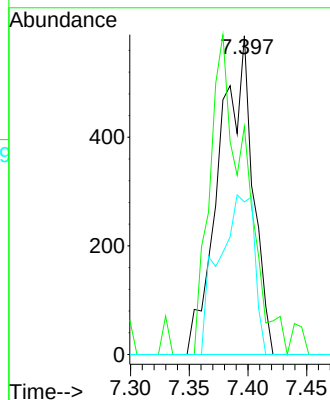
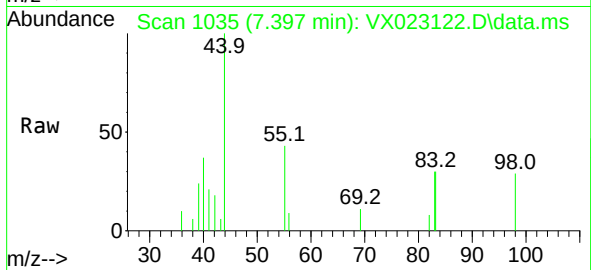
Delta R.T. 0.012 min

Lab File: VX023122.D

Acq: 02 Jul 2021 21:03

Tgt Ion: 83 Resp: 1172

Ion	Ratio	Lower	Upper
83	100		
55	71.6	58.9	88.3
98	47.9	38.1	57.1



#50

Toluene-d8

Concen: 49.368 ug/l

RT: 8.653 min Scan# 1241

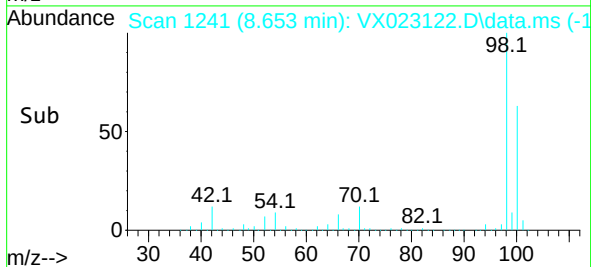
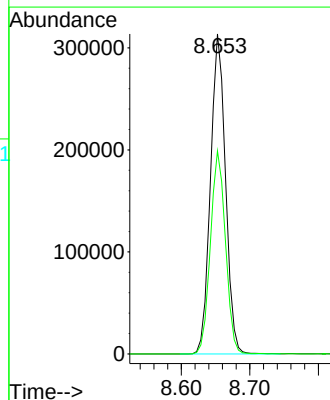
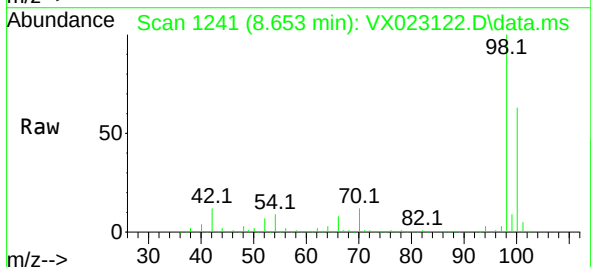
Delta R.T. -0.000 min

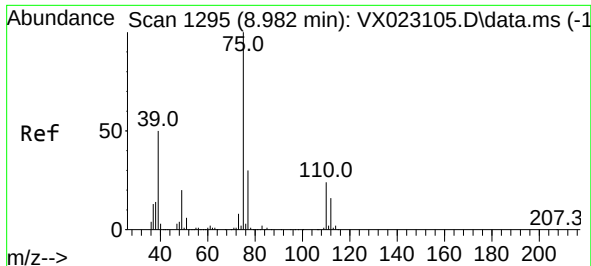
Lab File: VX023122.D

Acq: 02 Jul 2021 21:03

Tgt Ion: 98 Resp: 478738

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.9	77.9

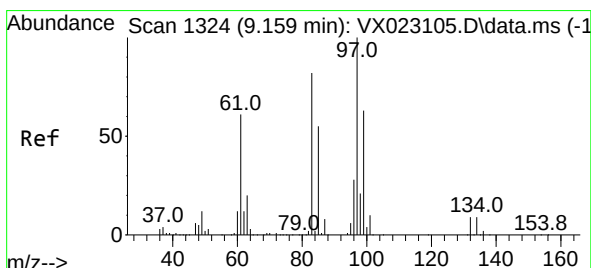
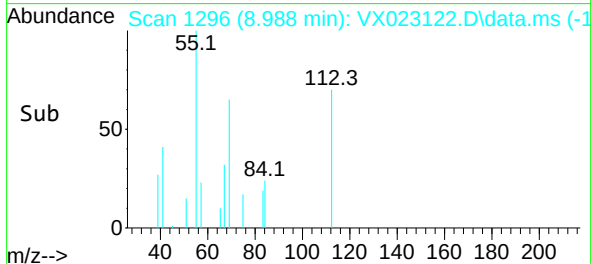
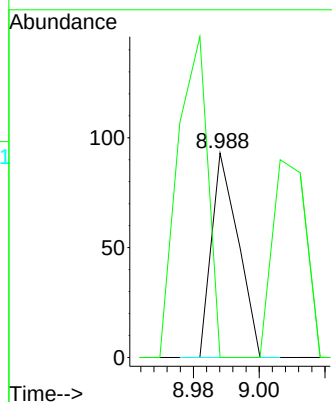
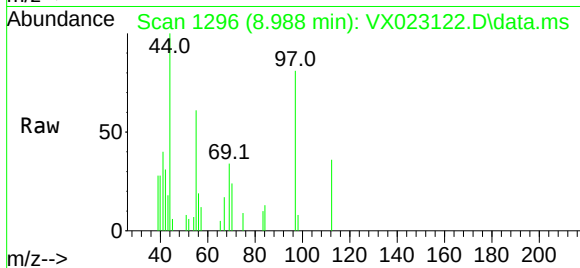




#53
t-1,3-Dichloropropene
Concen: 2.747 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

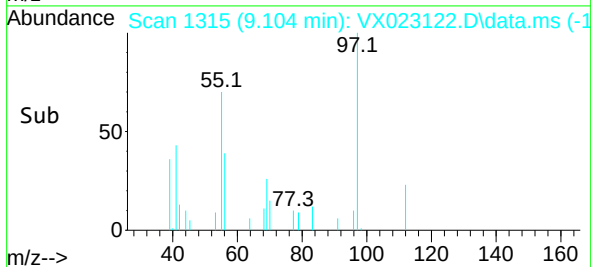
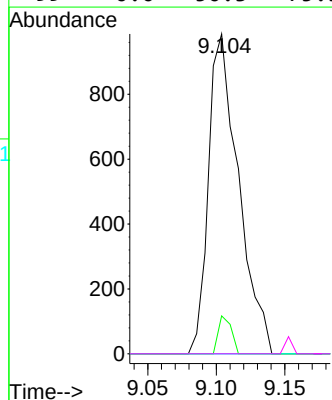
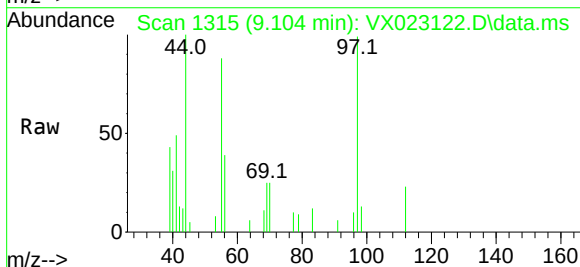
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

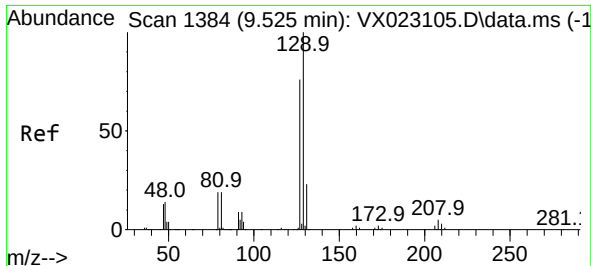
Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#55
1,1,2-Trichloroethane
Concen: 0.531 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.055 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion: 97 Resp: 1504
Ion Ratio Lower Upper
97 100
83 11.9 69.3 103.9#
85 0.0 44.3 66.5#
99 0.0 50.3 75.5#

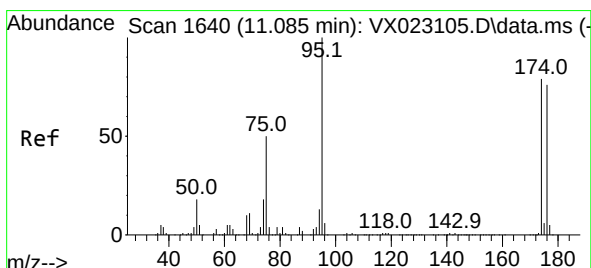
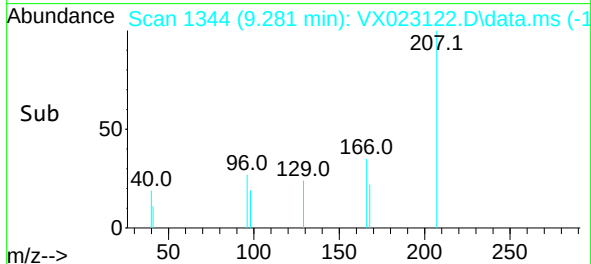
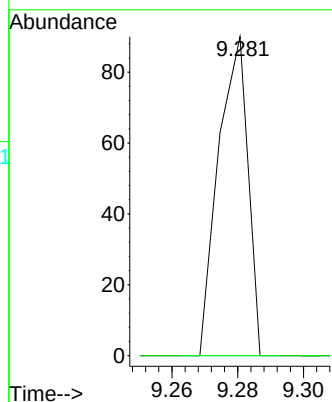
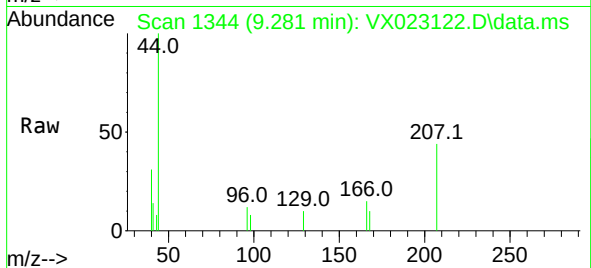




#60
Dibromochloromethane
Concen: 3.129 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

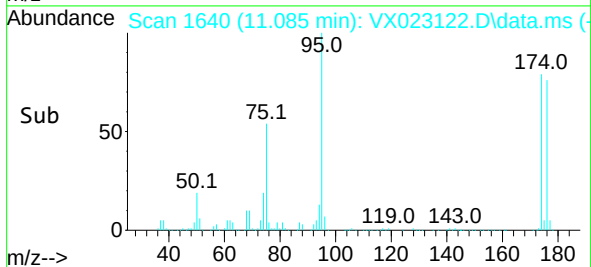
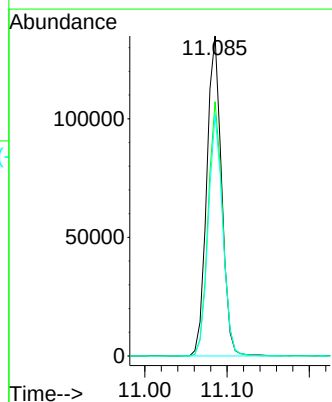
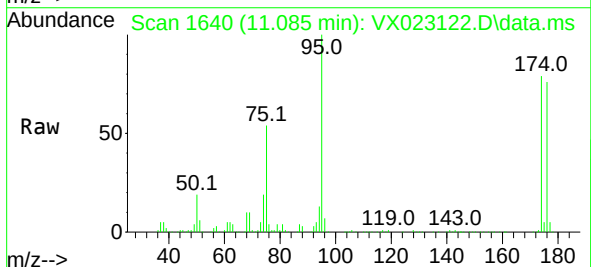
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

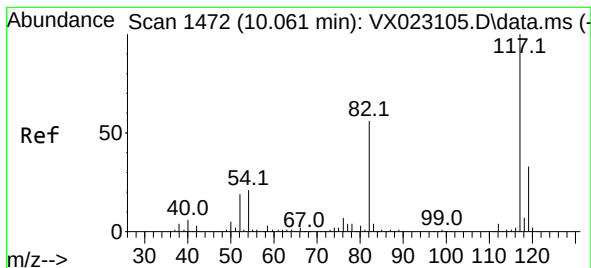
Tgt Ion:129 Resp: 56
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion: 95 Resp: 169065
Ion Ratio Lower Upper
95 100
174 78.0 0.0 154.6
176 73.7 0.0 155.8

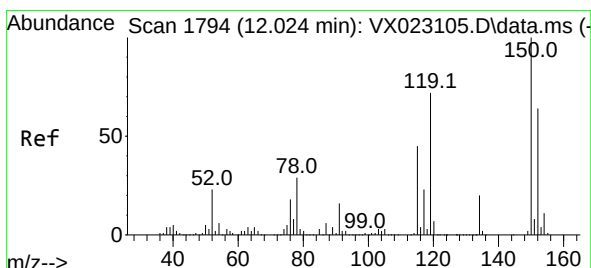
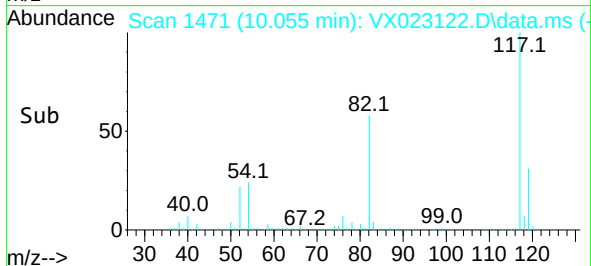
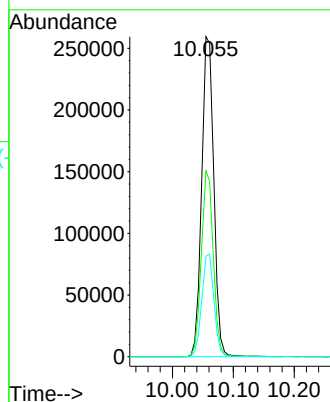
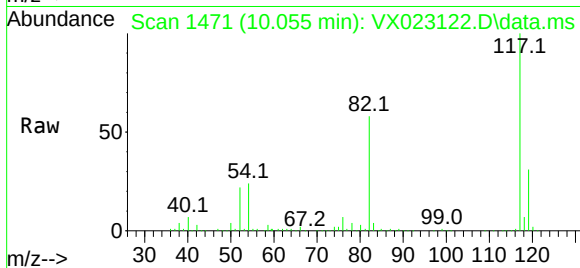




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

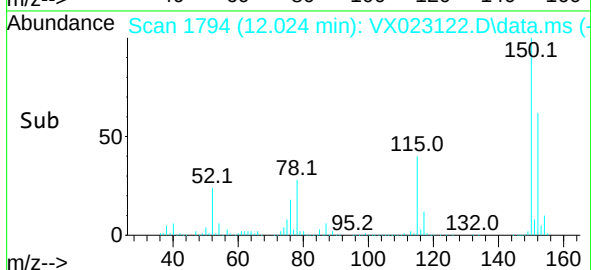
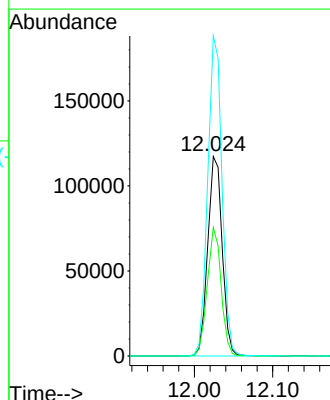
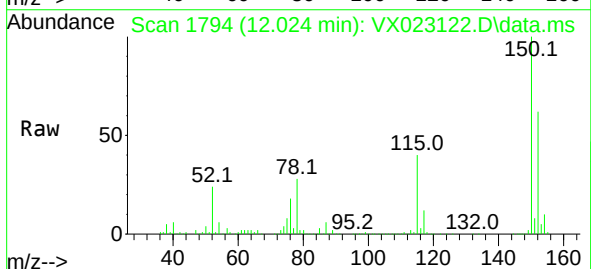
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

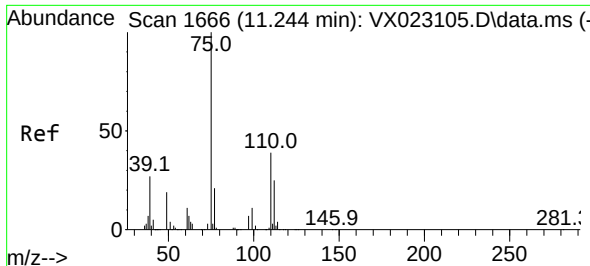
Tgt Ion:117 Resp: 358687
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion:152 Resp: 149866
Ion Ratio Lower Upper
152 100
115 61.8 41.1 123.3
150 158.3 0.0 349.0

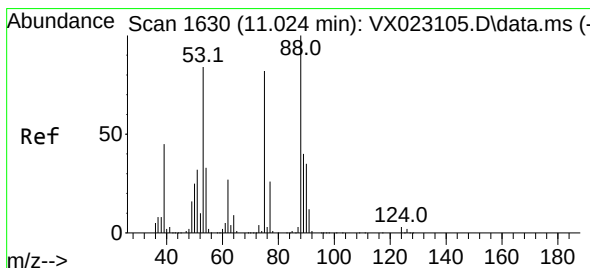
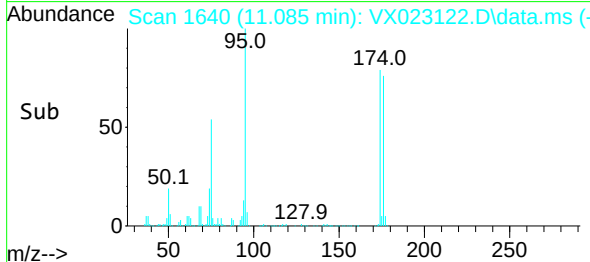
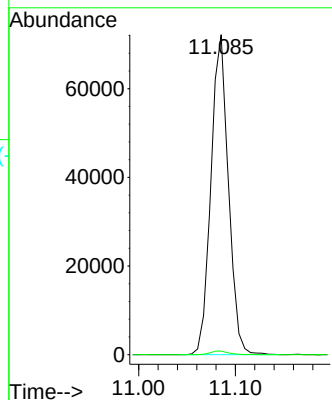
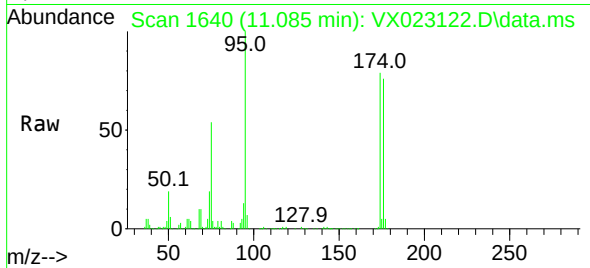




#76
1,2,3-Trichloropropane
Concen: 30.032 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

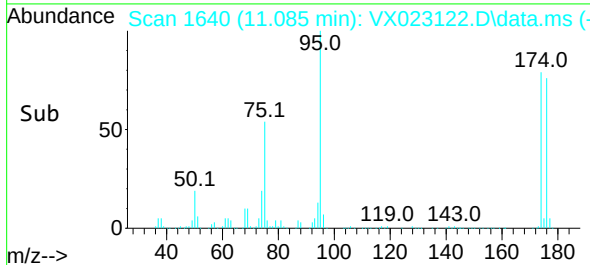
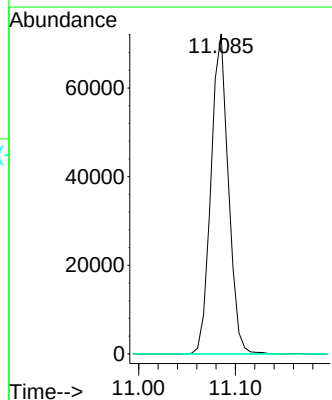
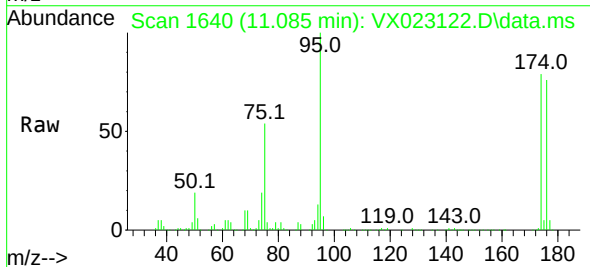
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

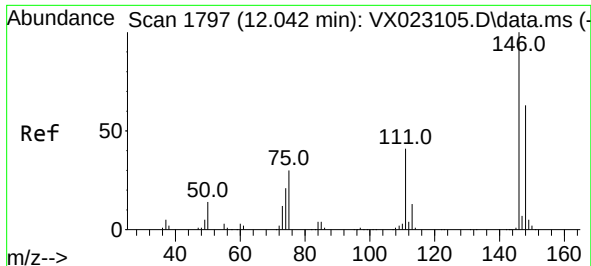
Tgt Ion: 75 Resp: 90570
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.631 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Tgt Ion: 75 Resp: 90570
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

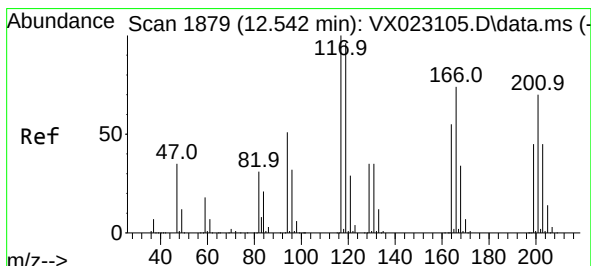
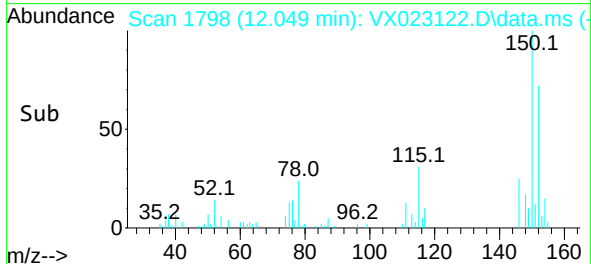
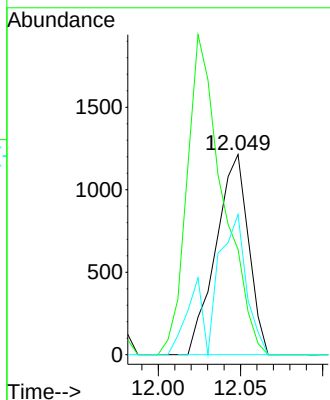
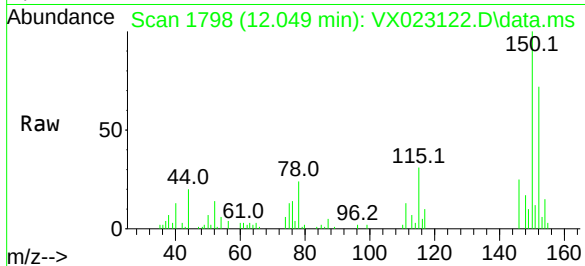




#88
1,4-Dichlorobenzene
Concen: 0.336 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. 0.007 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

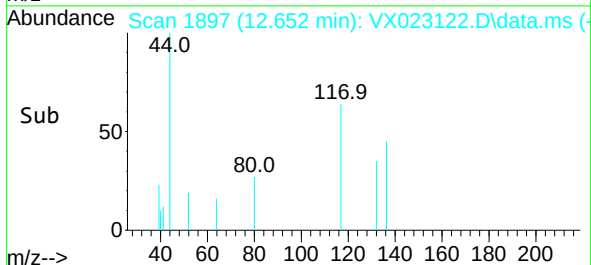
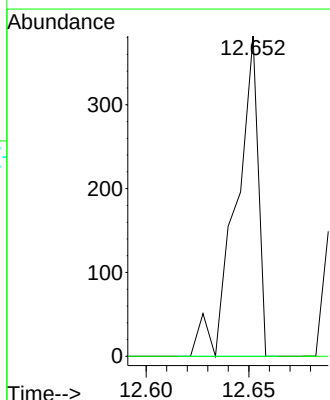
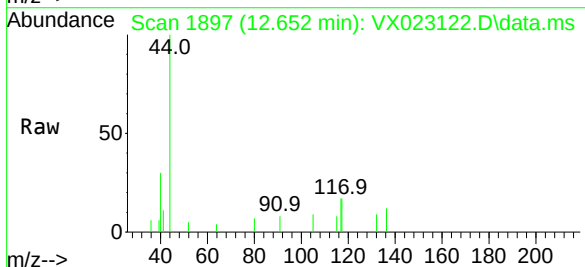
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921

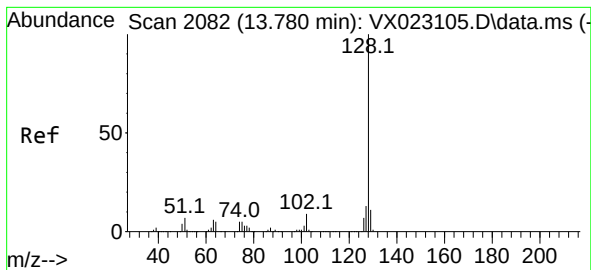
Tgt Ion:146 Resp: 1674
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.8#
148 75.7 31.6 95.0



#90
Hexachloroethane
Concen: 3.165 ug/l
RT: 12.652 min Scan# 1897
Delta R.T. 0.110 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

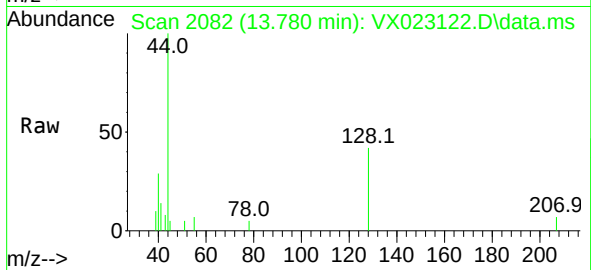
Tgt Ion:117 Resp: 287
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.311 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023122.D
Acq: 02 Jul 2021 21:03

Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-6.5-062921



Tgt Ion:128 Resp: 406
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

