

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020346.D
 Acq On : 23 Dec 2020 18:14
 Operator : JC/MD
 Sample : L5123-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20201214

Quant Time: Dec 24 00:20:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

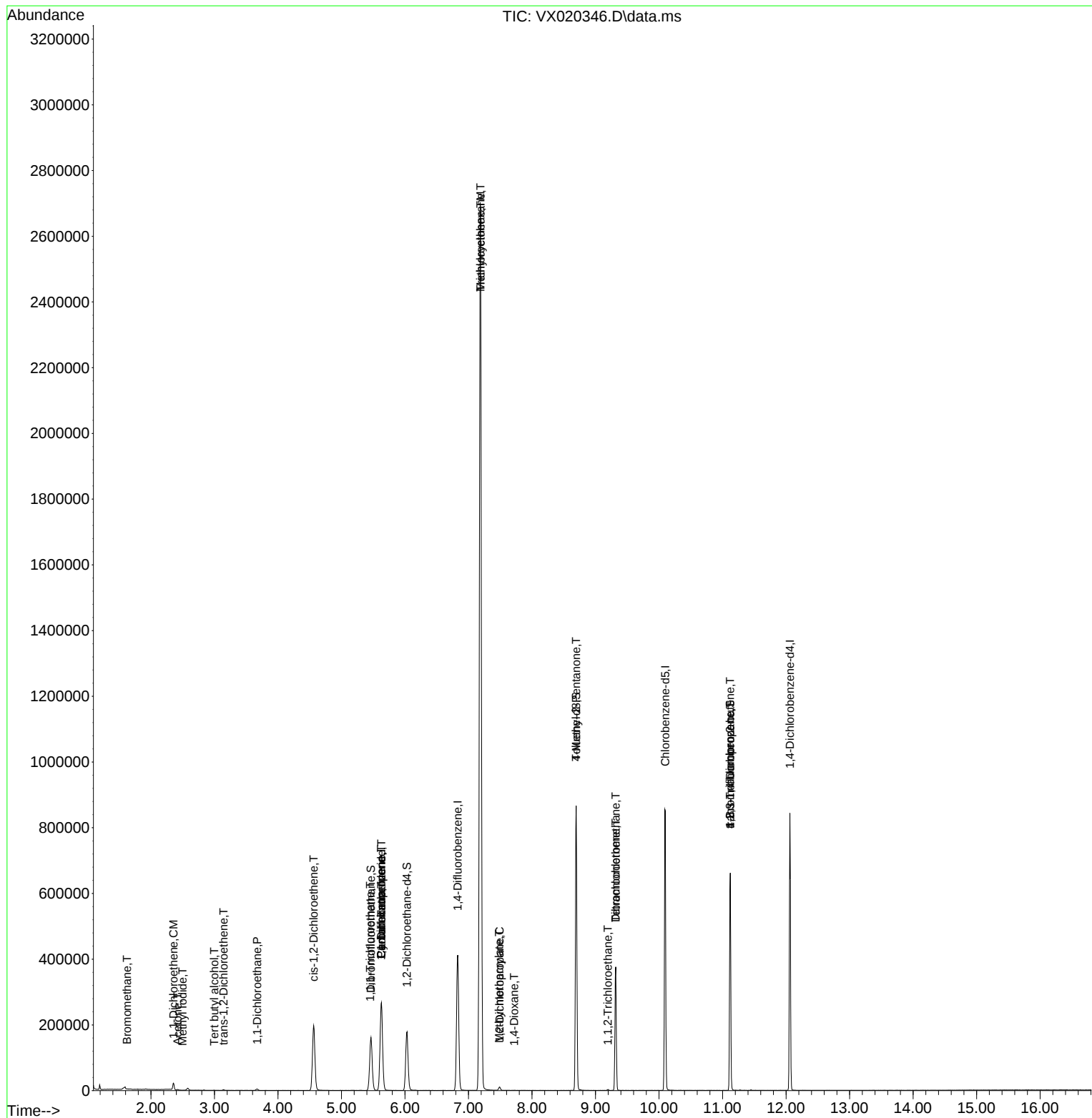
Internal Standards						
1) Pentafluorobenzene	5.629	168	250098	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	424784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	405768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	169251	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	170730	50.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.86%			
35) Dibromofluoromethane	5.464	113	135821	49.98	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.96%			
50) Toluene-d8	8.696	98	521321	49.84	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.68%			
62) 4-Bromofluorobenzene	11.122	95	186984	46.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.42%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	382	0.35	ug/l #	63
10) Methyl Iodide	2.495	142	65	3.30	ug/l #	42
11) Tert butyl alcohol	2.995	59	536	0.71	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	6767	2.65	ug/l	95
16) Acetone	2.416	43	1221	0.80	ug/l #	79
21) trans-1,2-Dichloroethene	3.142	96	804	0.26	ug/l	96
24) 1,1-Dichloroethane	3.672	63	4931	0.90	ug/l	96
27) cis-1,2-Dichloroethene	4.562	96	130096	37.18	ug/l	90
31) Cyclohexane	5.629	56	5194	1.12	ug/l #	1
32) 1,1,1-Trichloroethane	5.452	97	3101	0.67	ug/l #	50
36) 1,1-Dichloropropene	5.623	75	19816	4.72	ug/l #	48
38) Carbon Tetrachloride	5.629	117	25334	6.34	ug/l #	17
39) Methylcyclohexane	7.190	83	12688	2.62	ug/l #	1
44) Trichloroethene	7.190	130	1051441	311.25	ug/l	99
45) 1,2-Dichloropropane	7.488	63	3793	1.15	ug/l	99
48) Methyl methacrylate	7.482	41	2197	0.65	ug/l #	27
49) 1,4-Dioxane	7.720	88	248	3.14	ug/l #	81
51) 4-Methyl-2-Pentanone	8.696	43	2242	0.53	ug/l #	1
55) 1,1,2-Trichloroethane	9.195	97	899	0.27	ug/l	92
60) Dibromochloromethane	9.317	129	69935	21.43	ug/l #	11
64) Tetrachloroethene	9.317	164	73352	23.99	ug/l	96
76) 1,2,3-Trichloropropane	11.122	75	89337	21.43	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	89337	63.57	ug/l #	12

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

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MSVOA_X
ClientSampleId :
MW179D2-20201214

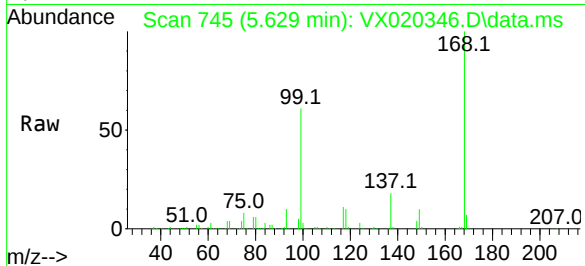
Quant Time: Dec 24 00:20:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



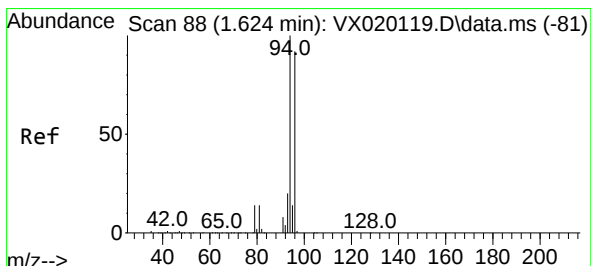
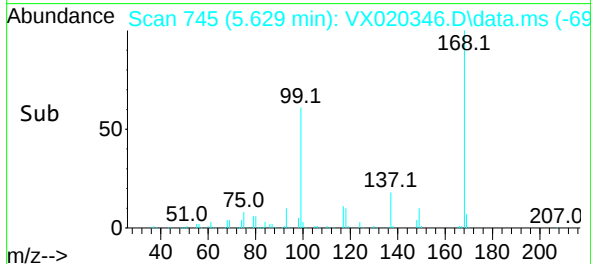
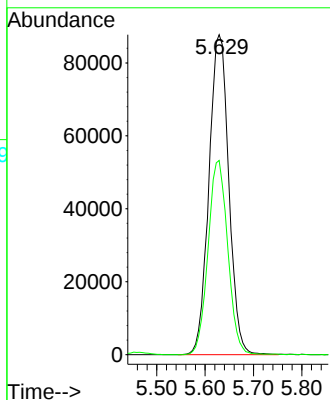


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

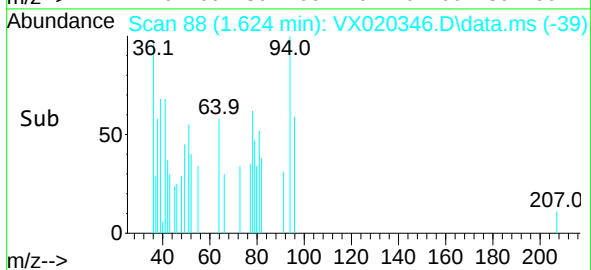
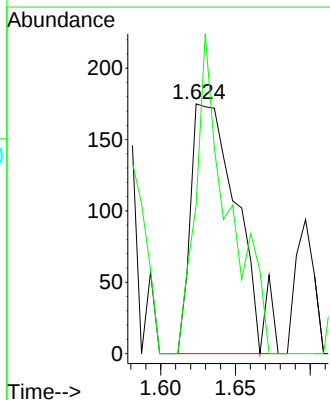
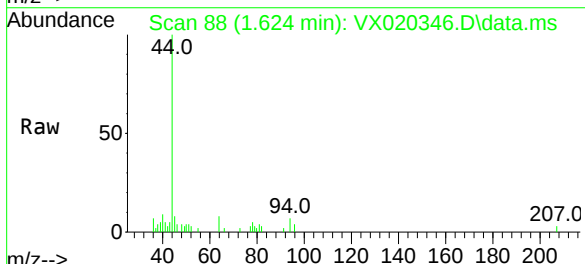


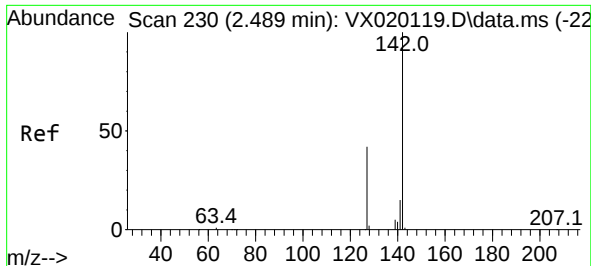
Tgt Ion:168 Resp: 250098
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.6



#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

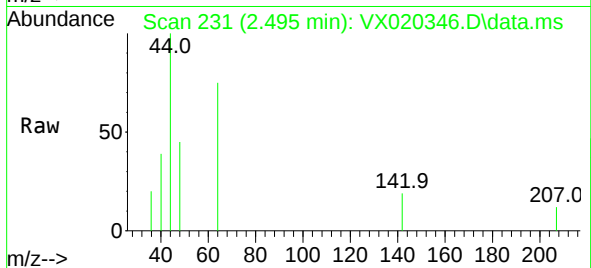
Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 59.4 76.4 114.6#



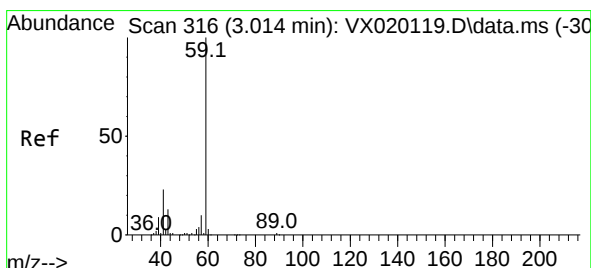
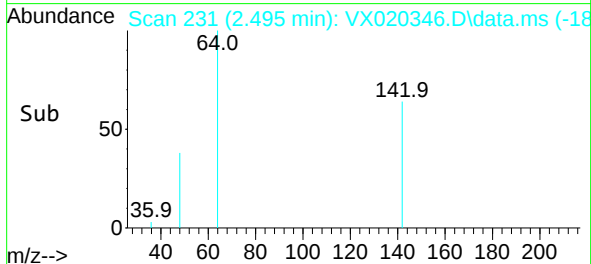
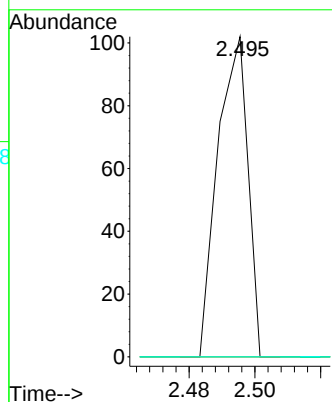


#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Instrument :
MSVOA_X
ClientSampleId :
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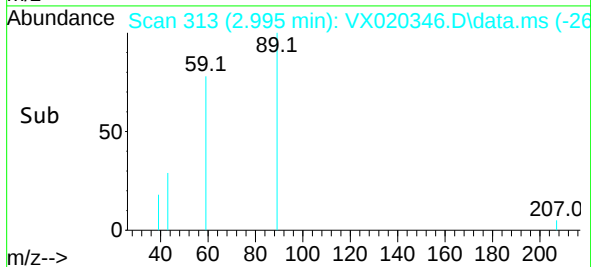
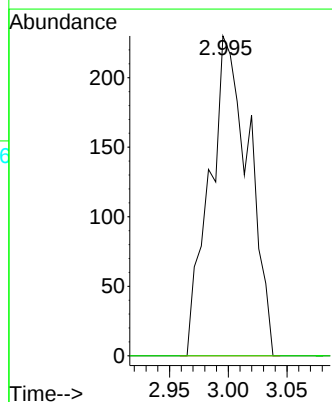
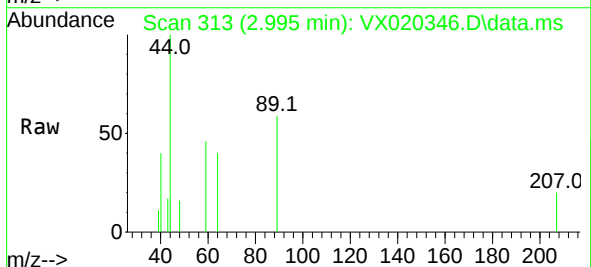


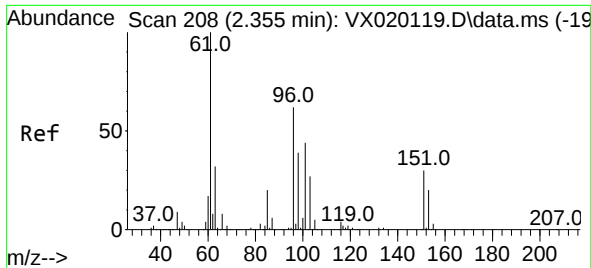
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.71 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

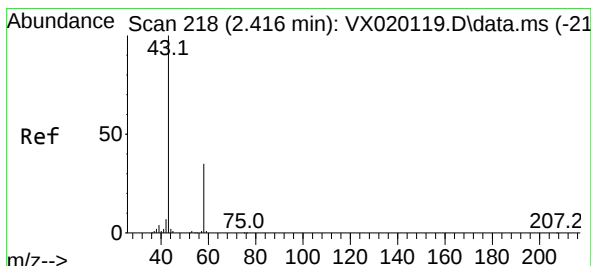
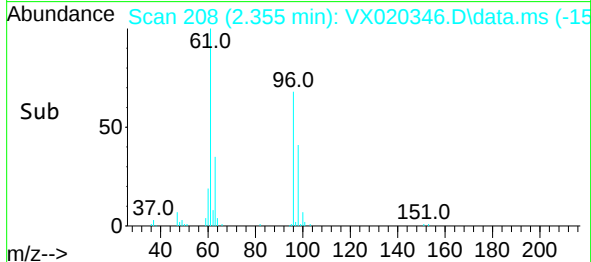
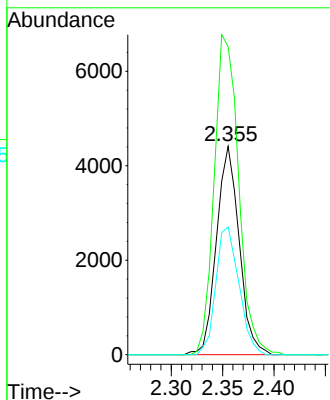
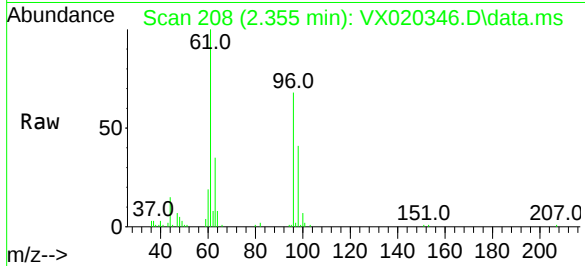




#12
1,1-Dichloroethene
Concen: 2.65 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

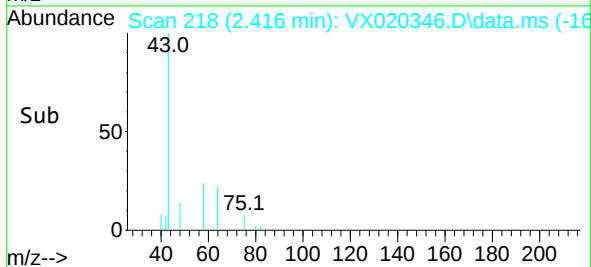
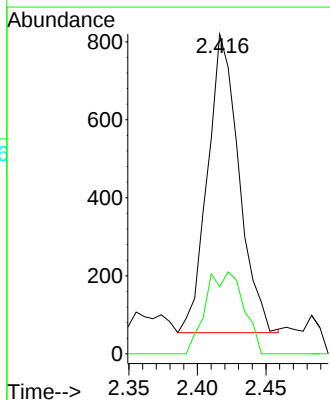
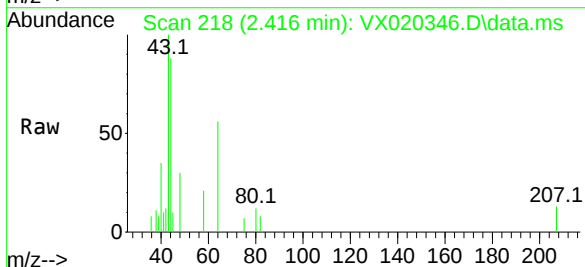
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

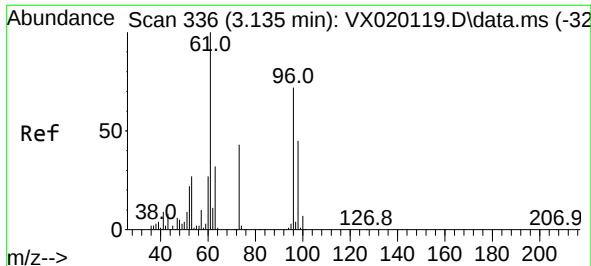
Tgt Ion: 96 Resp: 6767
Ion Ratio Lower Upper
96 100
61 147.8 124.6 187.0
98 61.2 50.6 76.0



#16
Acetone
Concen: 0.80 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

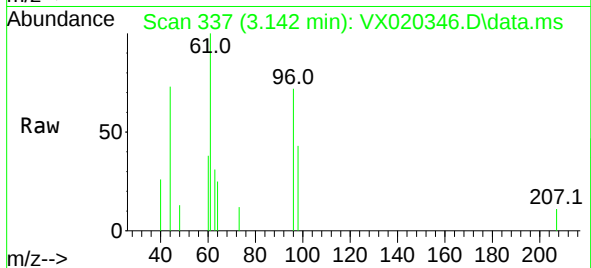
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 22.5 27.8 41.8#





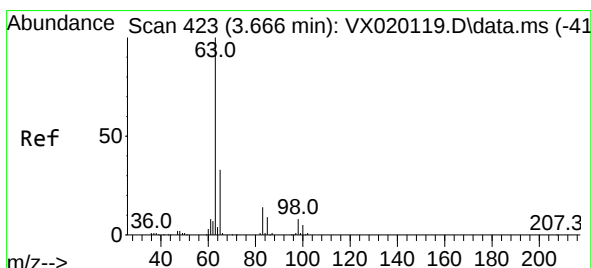
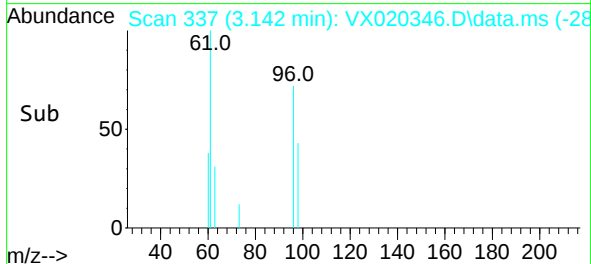
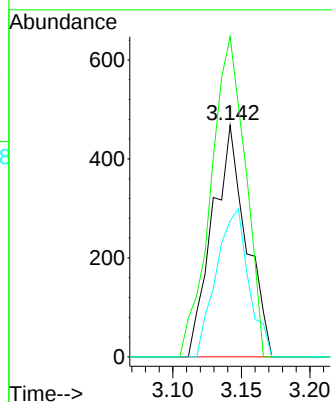
#21
trans-1,2-Dichloroethene
Concen: 0.26 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

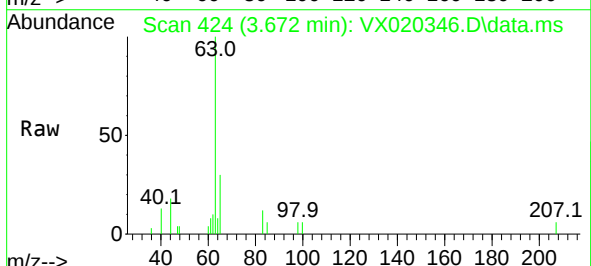


Tgt Ion: 96 Resp: 804

Ion	Ratio	Lower	Upper
96	100		
61	138.2	107.7	161.5
98	58.8	50.4	75.6

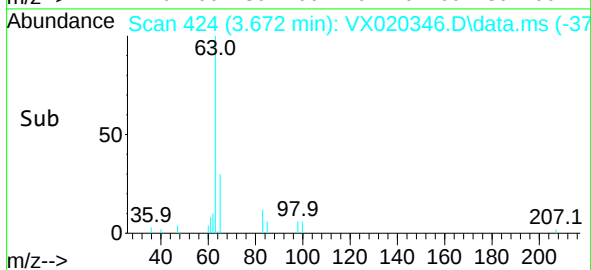
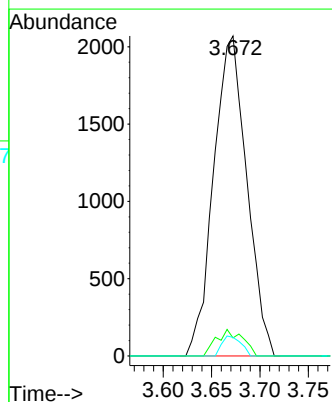


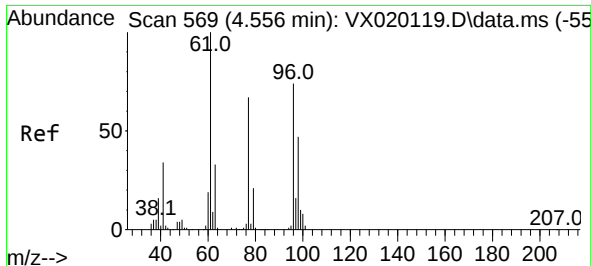
#24
1,1-Dichloroethane
Concen: 0.90 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14



Tgt Ion: 63 Resp: 4931

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.8	11.2
100	5.8	2.5	7.5





#27

cis-1,2-Dichloroethene

Concen: 37.18 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020346.D

Acq: 23 Dec 2020 18:14

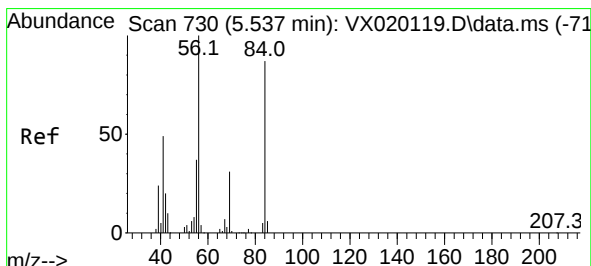
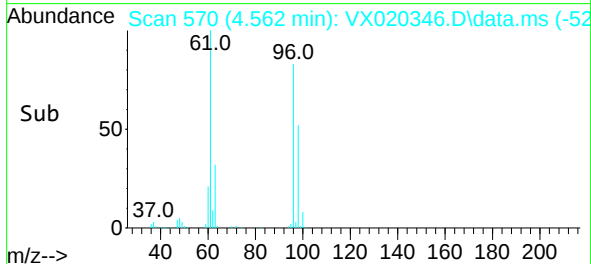
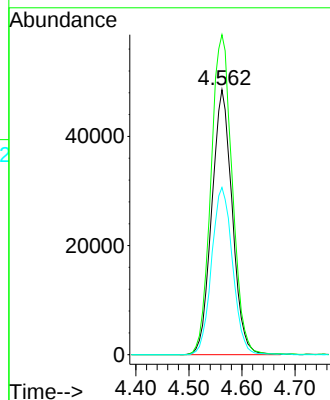
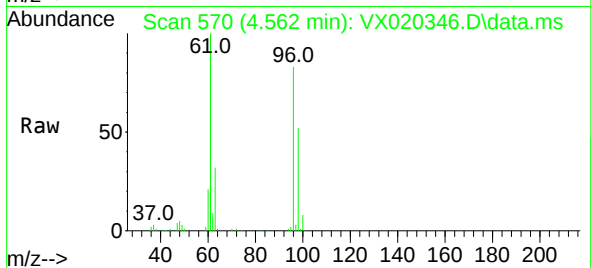
Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20201214

Tgt Ion:	96	Resp:	130096
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	285.6
98	64.5	0.0	129.6



#31

Cyclohexane

Concen: 1.12 ug/l

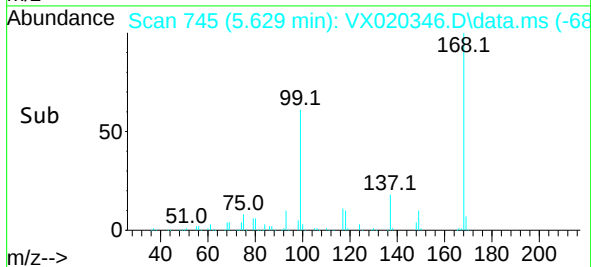
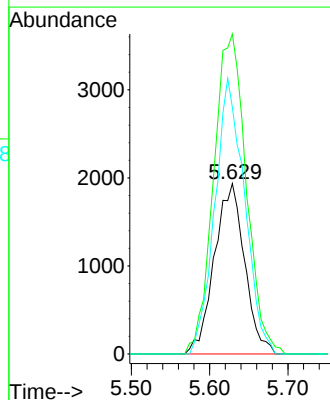
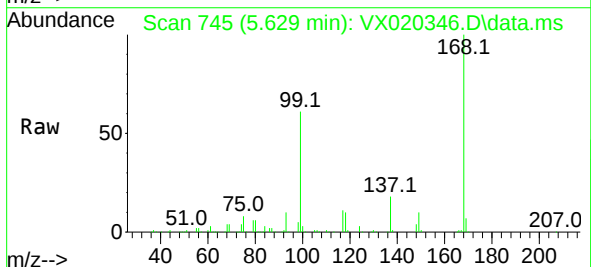
RT: 5.629 min Scan# 745

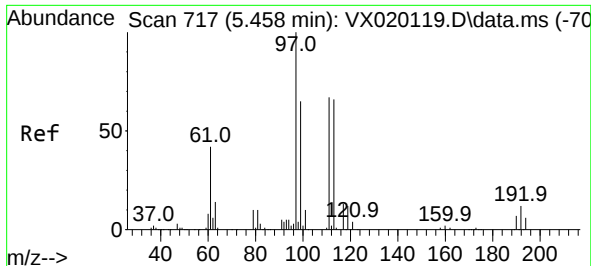
Delta R.T. 0.092 min

Lab File: VX020346.D

Acq: 23 Dec 2020 18:14

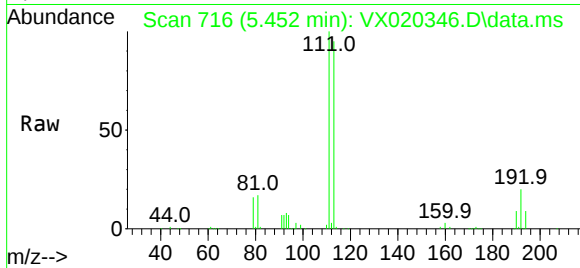
Tgt Ion:	56	Resp:	5194
Ion	Ratio	Lower	Upper
56	100		
69	187.9	25.3	37.9#
84	144.8	71.4	107.0#



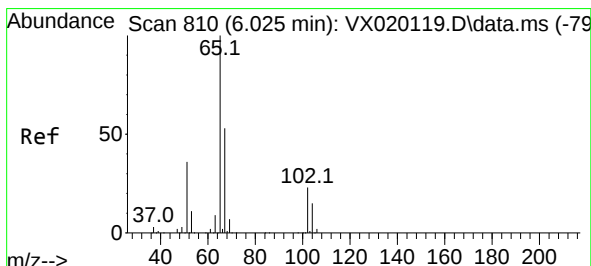
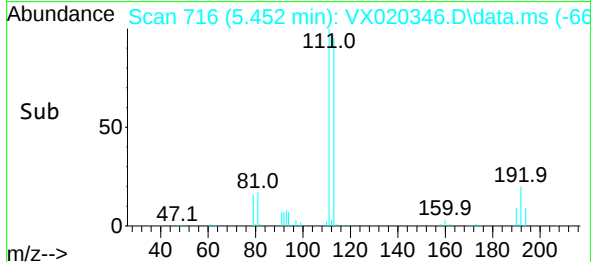
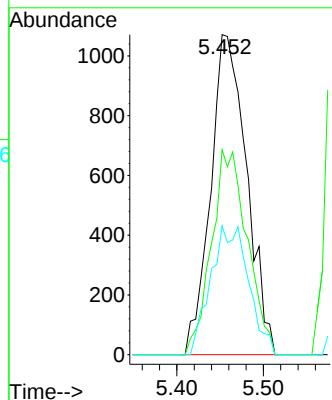


#32
1,1,1-Trichloroethane
Concen: 0.67 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Instrument :
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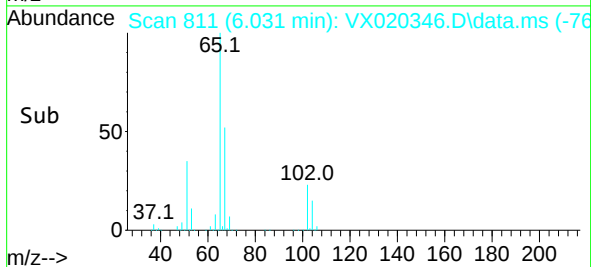
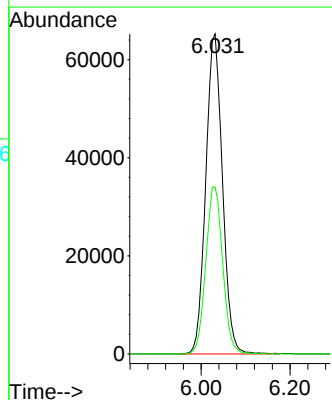
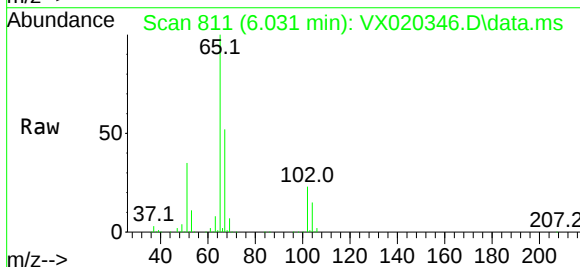


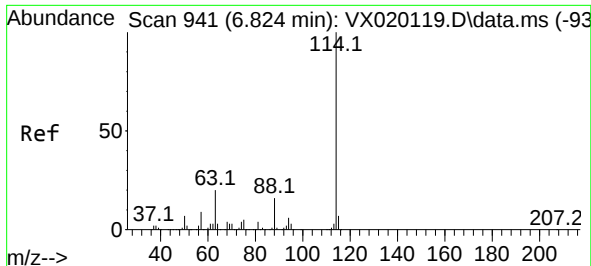
Tgt Ion: 97 Resp: 3101
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 42.1 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 50.93 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

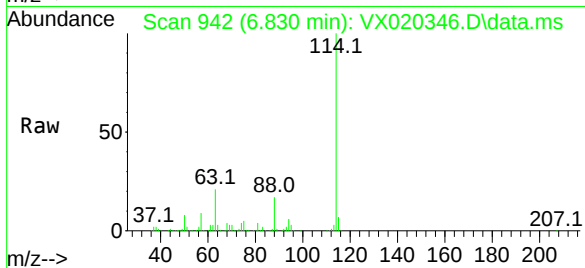
Tgt Ion: 65 Resp: 170730
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4



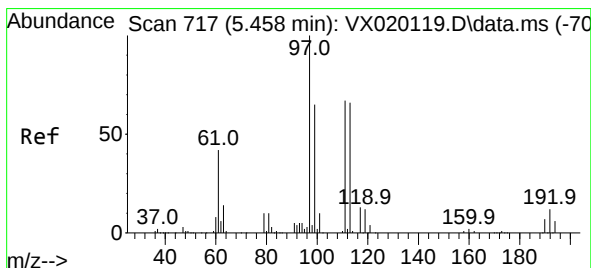
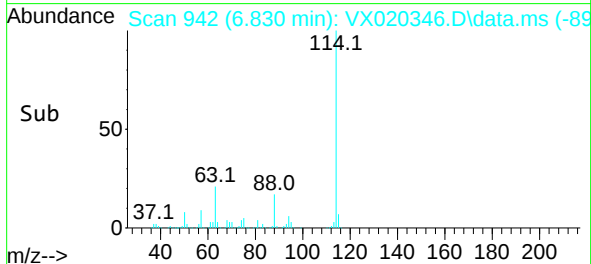
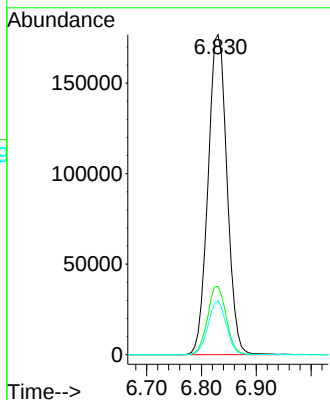


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

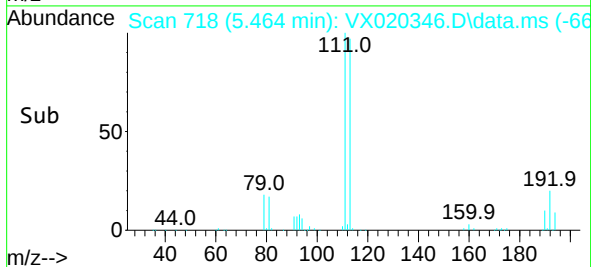
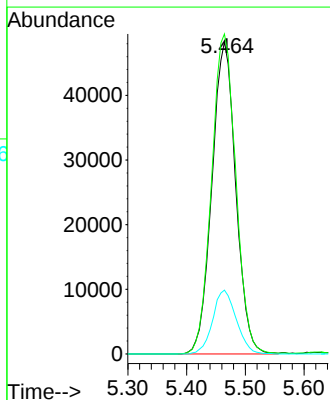
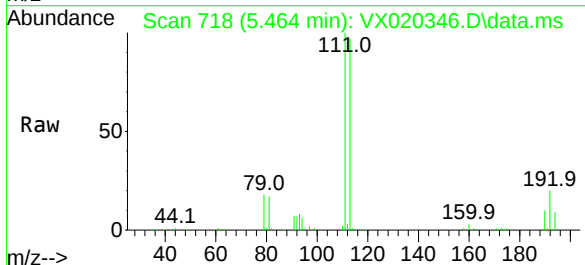


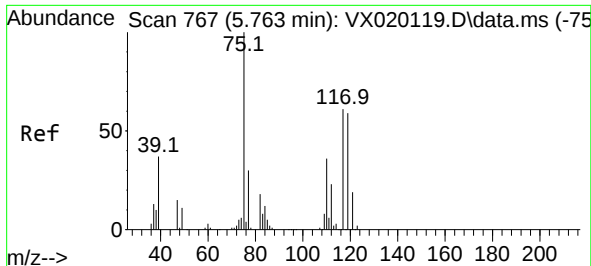
Tgt Ion:114 Resp: 424784
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.98 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

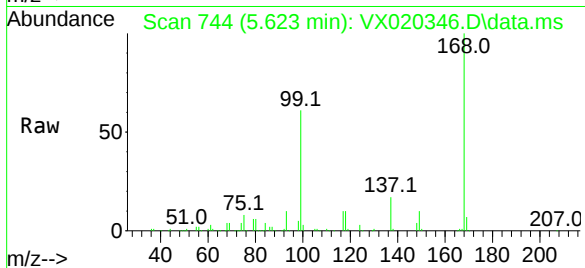
Tgt Ion:113 Resp: 135821
Ion Ratio Lower Upper
113 100
111 104.3 81.9 122.9
192 20.3 16.7 25.1



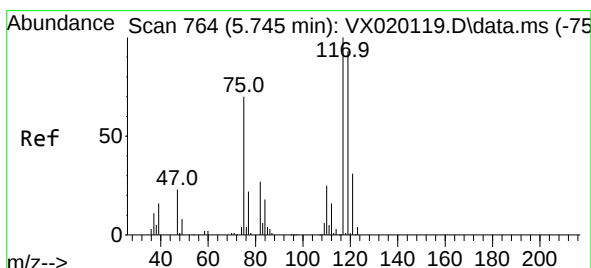
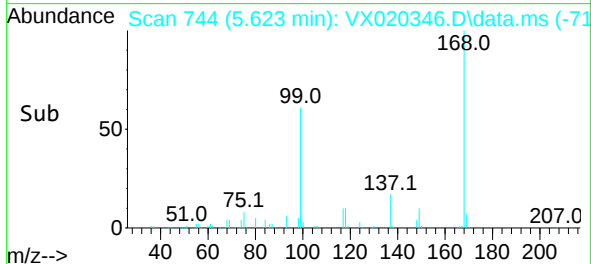
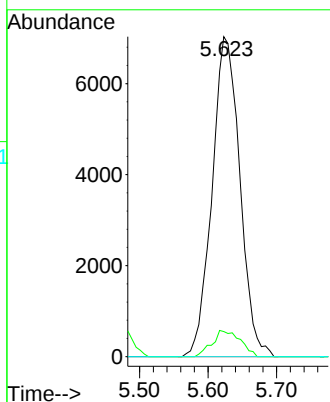


#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

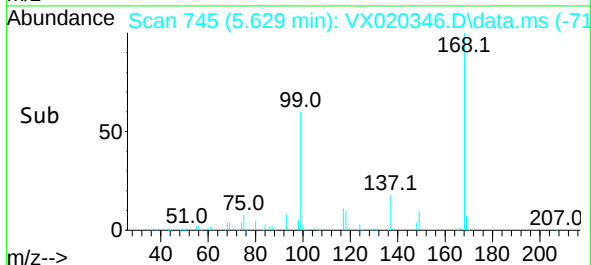
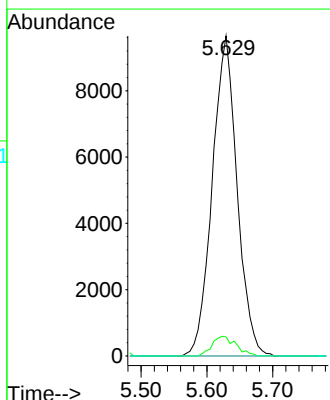
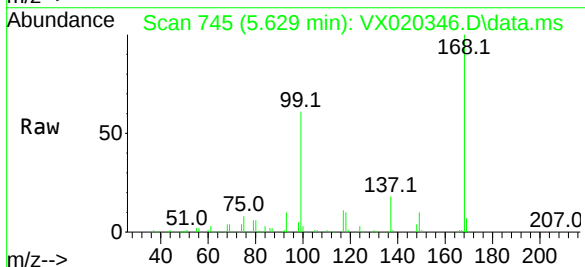


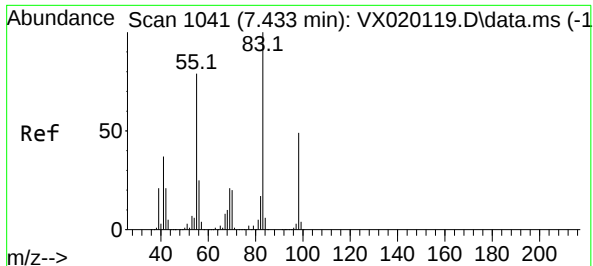
Tgt Ion: 75 Resp: 19816
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Tgt Ion: 117 Resp: 25334
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.62 ug/l

RT: 7.190 min Scan# 1001

Delta R.T. -0.243 min

Lab File: VX020346.D

Acq: 23 Dec 2020 18:14

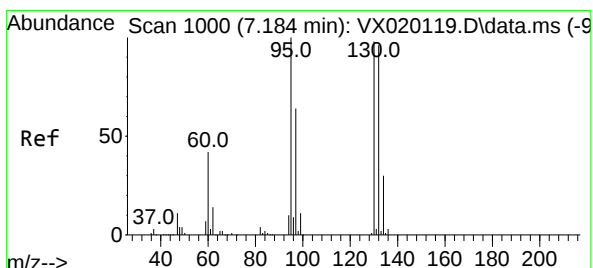
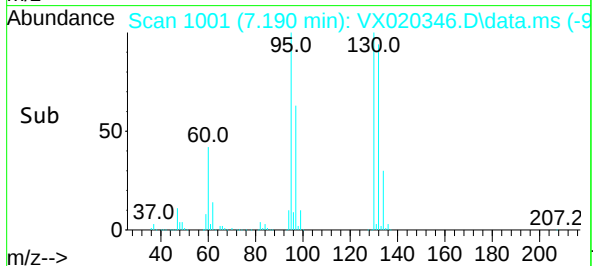
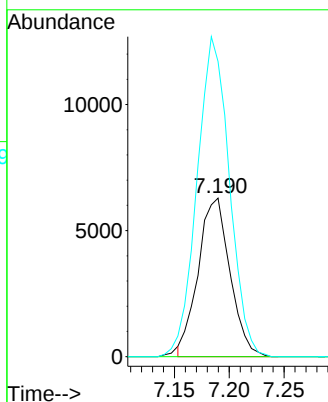
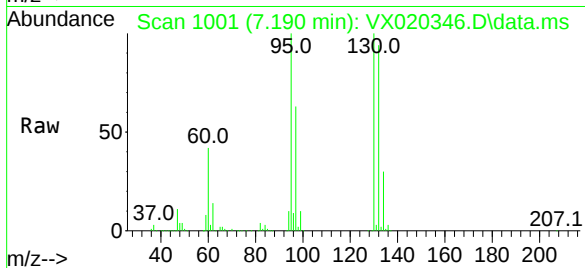
Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:	83	Resp:	12688
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	186.1	38.1	57.1#



#44

Trichloroethene

Concen: 311.25 ug/l

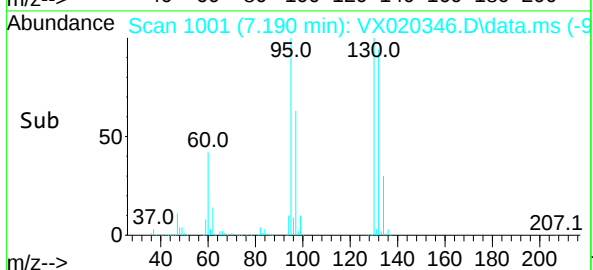
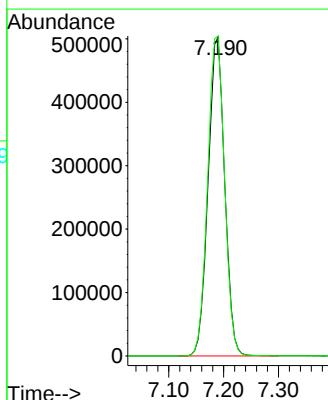
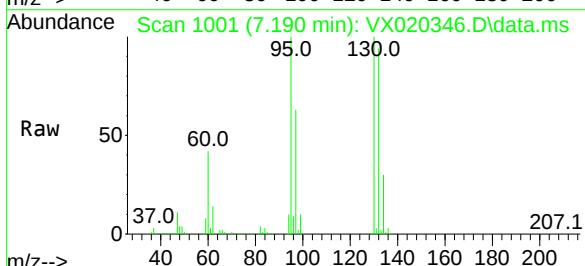
RT: 7.190 min Scan# 1001

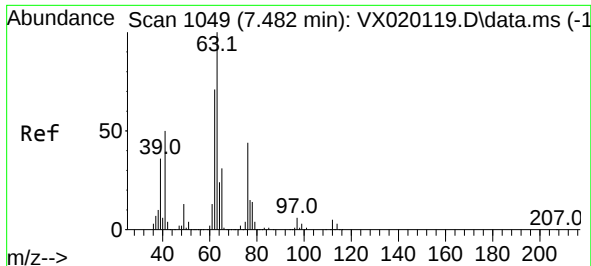
Delta R.T. 0.006 min

Lab File: VX020346.D

Acq: 23 Dec 2020 18:14

Tgt Ion:	130	Resp:	1051441
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	198.0

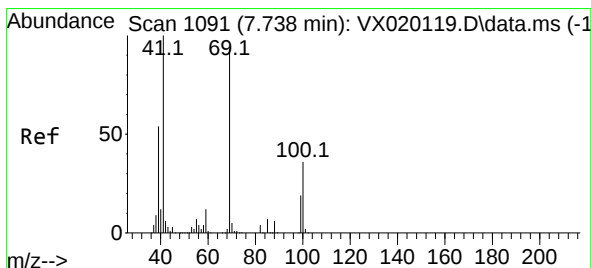
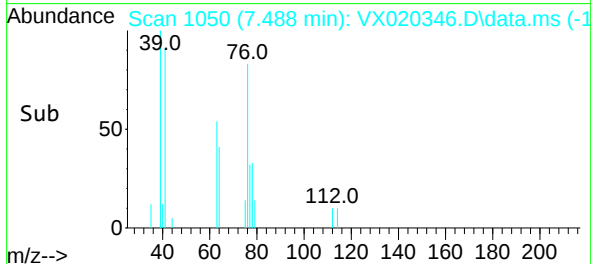
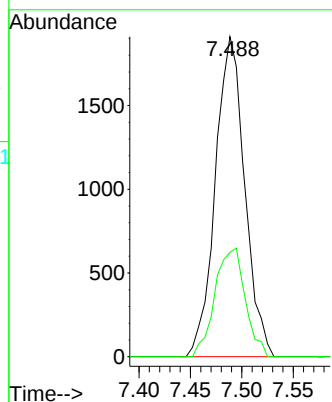
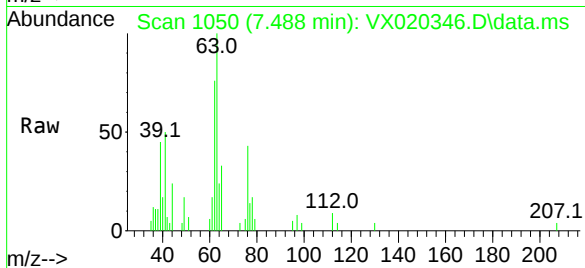




#45
1,2-Dichloropropane
Concen: 1.15 ug/l
RT: 7.488 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

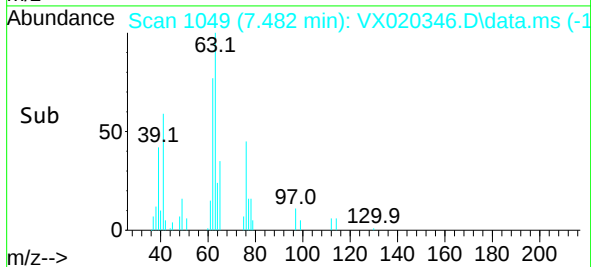
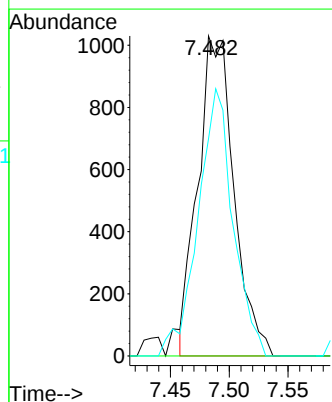
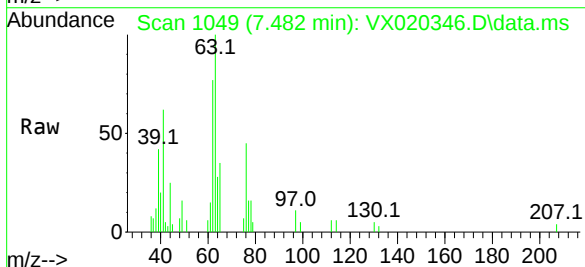
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

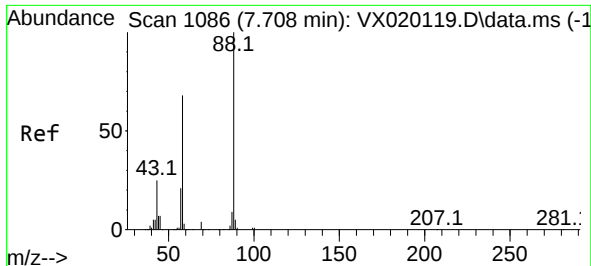
Tgt Ion: 63 Resp: 3793
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5



#48
Methyl methacrylate
Concen: 0.65 ug/l
RT: 7.482 min Scan# 1049
Delta R.T. -0.256 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Tgt Ion: 41 Resp: 2197
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 77.7 44.6 67.0#

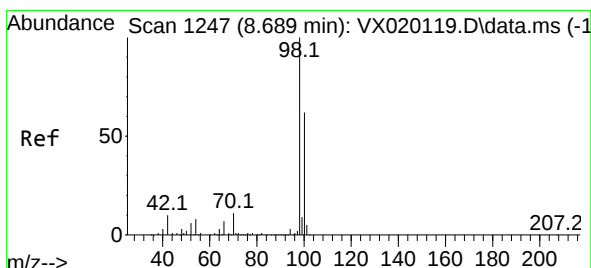
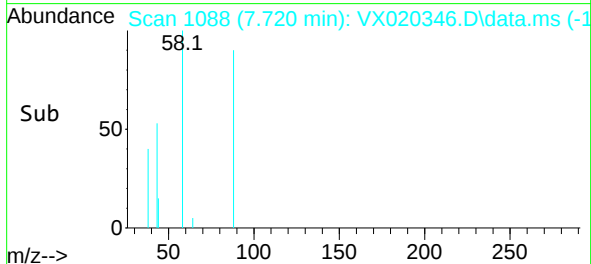
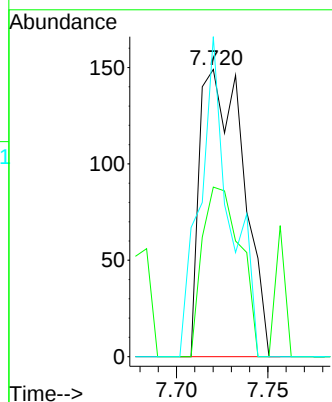
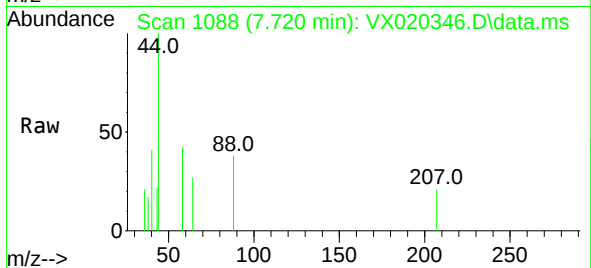




#49
1,4-Dioxane
Concen: 3.14 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

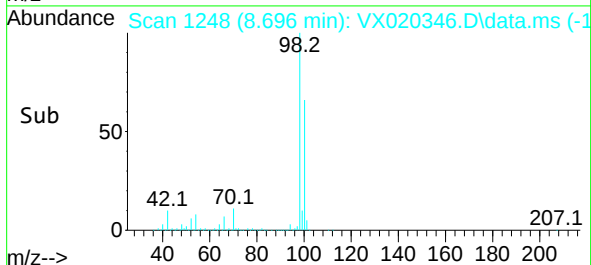
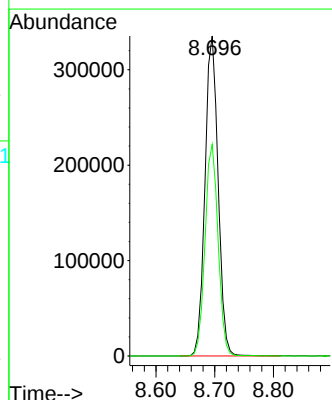
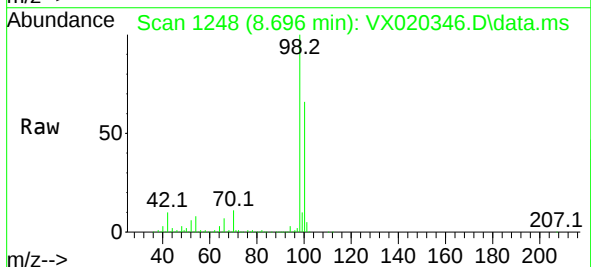
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

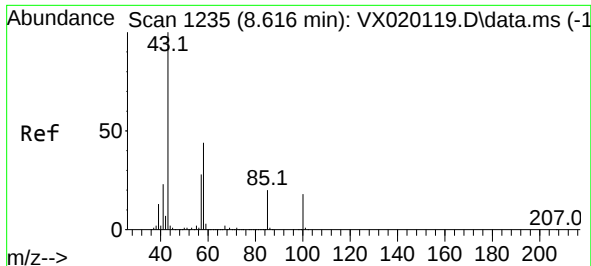
Tgt Ion: 88 Resp: 248
Ion Ratio Lower Upper
88 100
43 51.6 23.2 34.8#
58 76.6 55.0 82.4



#50
Toluene-d8
Concen: 49.84 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Tgt Ion: 98 Resp: 521321
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

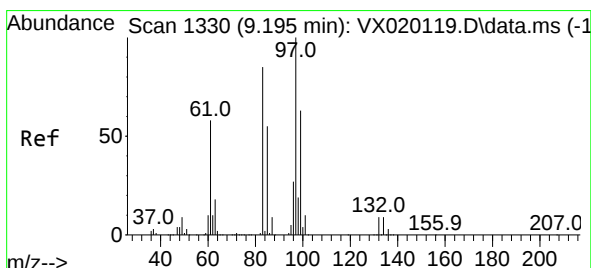
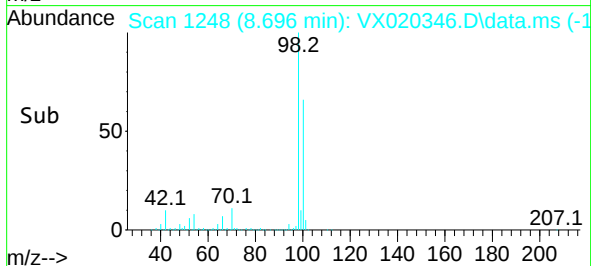
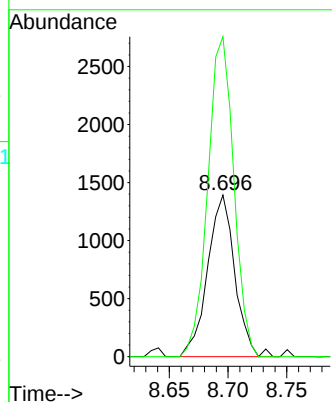
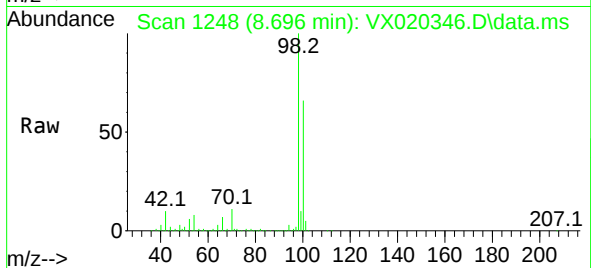




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

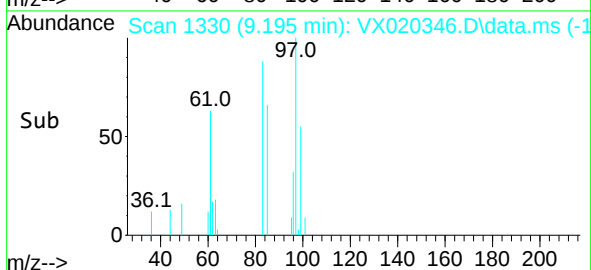
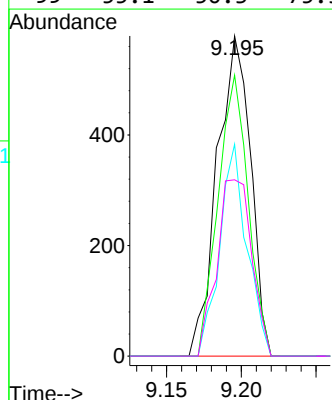
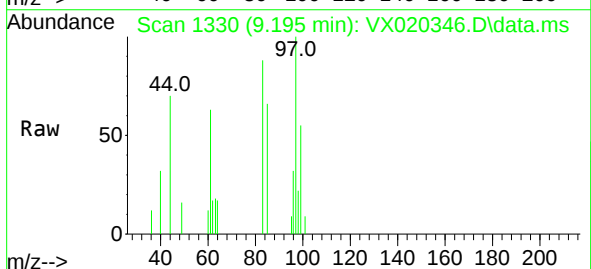
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

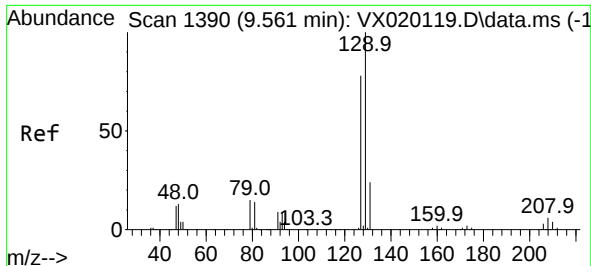
Tgt Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
58 189.2 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.27 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

Tgt Ion: 97 Resp: 899
Ion Ratio Lower Upper
97 100
83 87.7 69.3 103.9
85 66.1 44.3 66.5
99 55.1 50.3 75.5

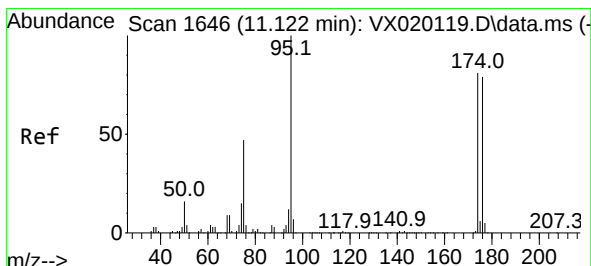
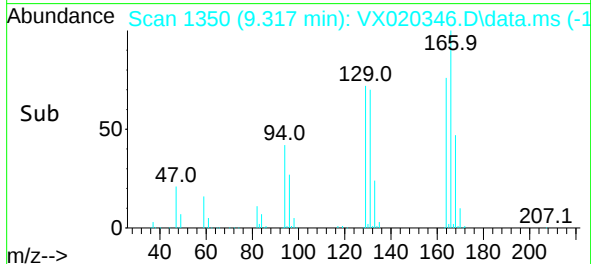
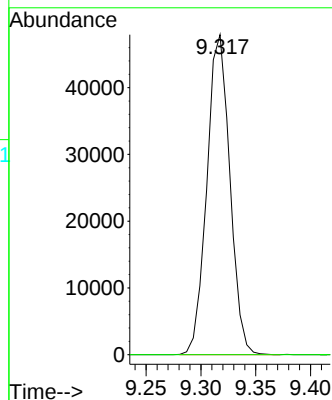
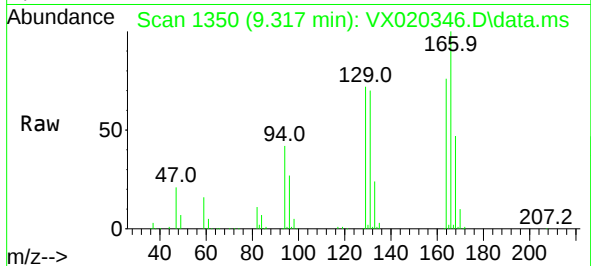




#60
Dibromochloromethane
Concen: 21.43 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

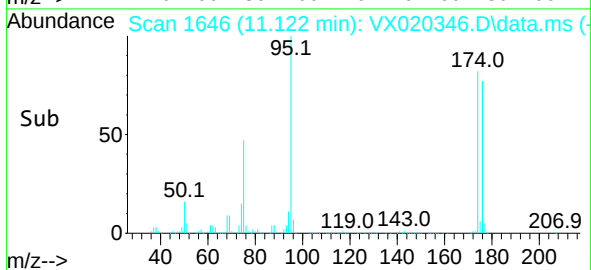
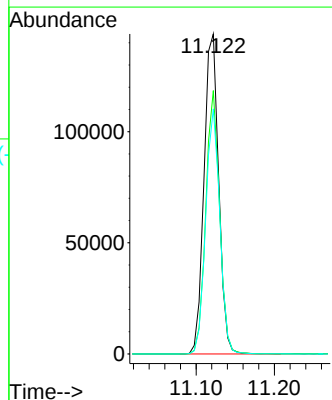
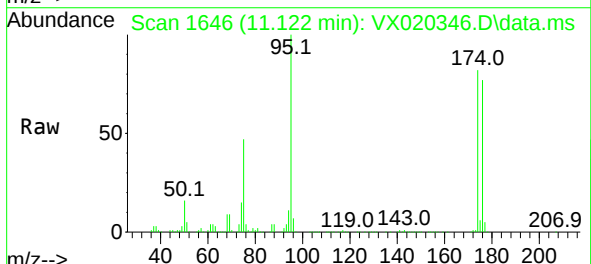
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

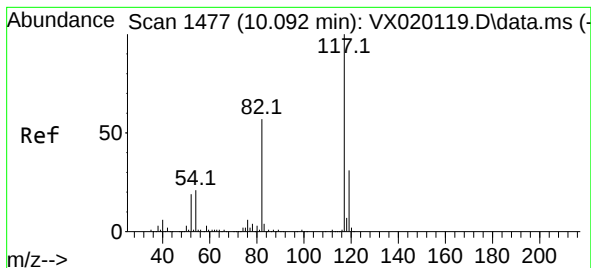
Tgt Ion:129 Resp: 69935
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.71 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

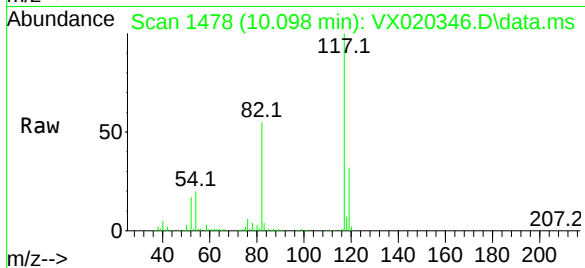
Tgt Ion: 95 Resp: 186984
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 73.7 0.0 155.8



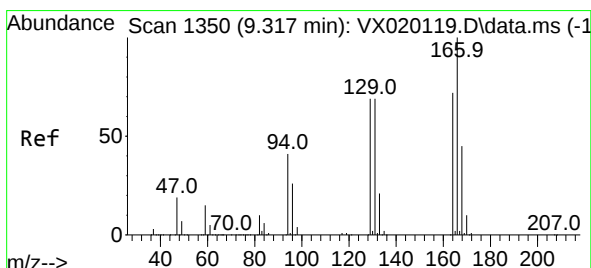
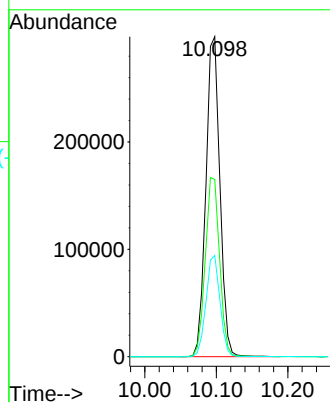
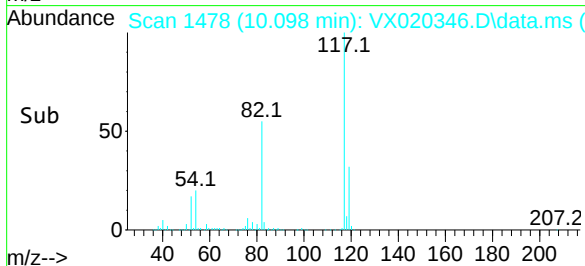


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

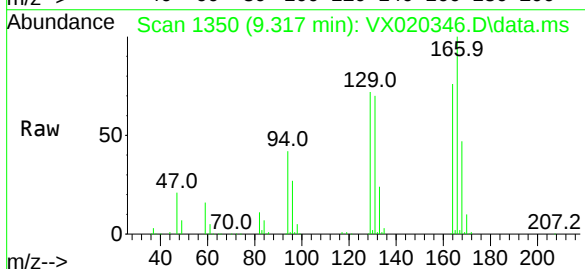
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214



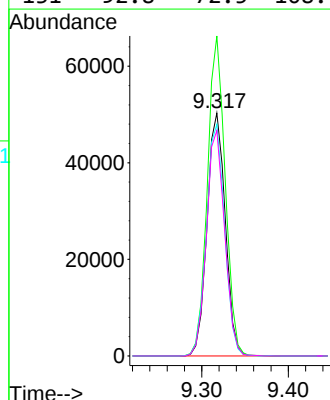
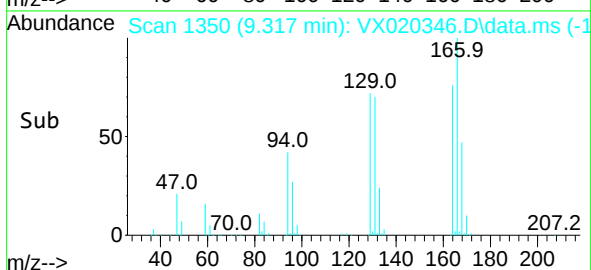
Tgt Ion:117 Resp: 405768
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 31.6 26.6 39.8

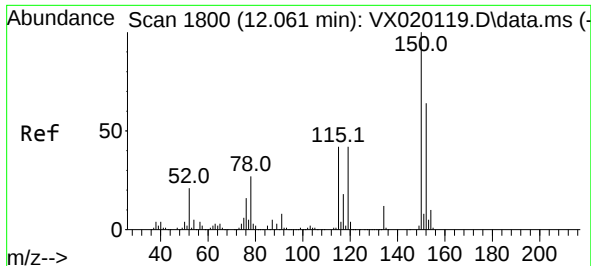


#64
Tetrachloroethene
Concen: 23.99 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14



Tgt Ion:164 Resp: 73352
Ion Ratio Lower Upper
164 100
166 131.7 103.4 155.2
129 95.3 70.8 106.2
131 92.8 72.5 108.7

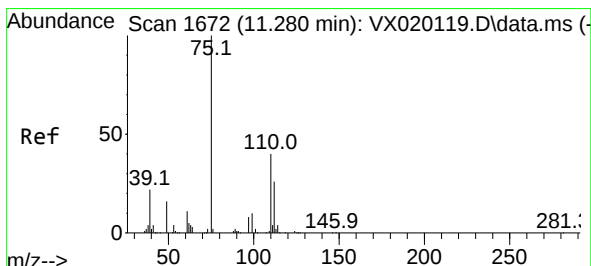
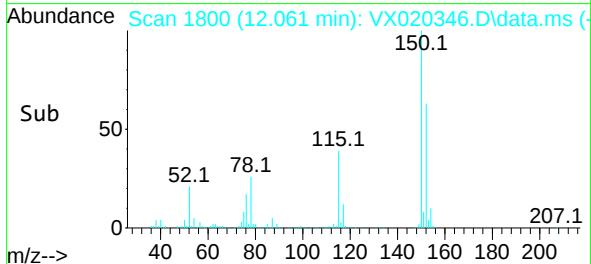
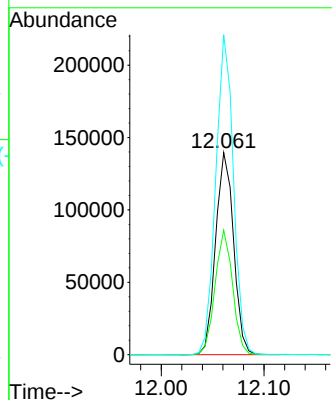
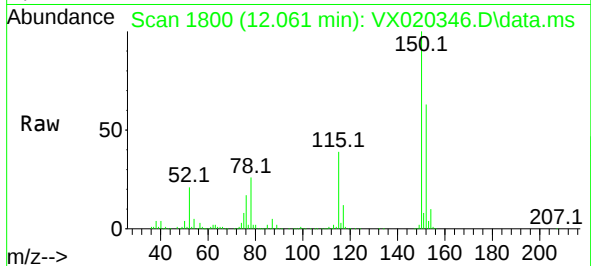




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

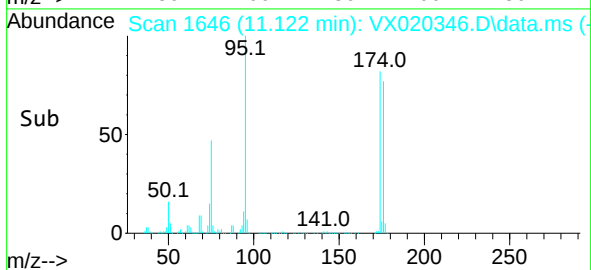
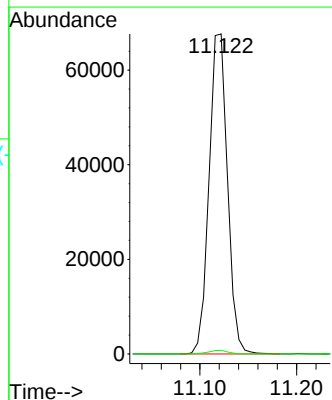
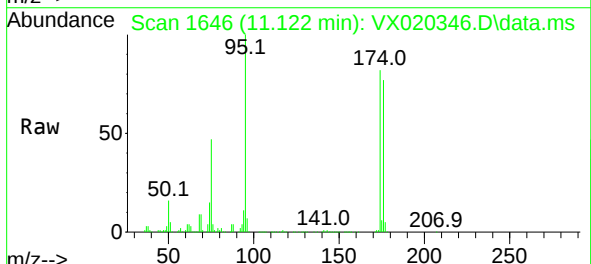
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20201214

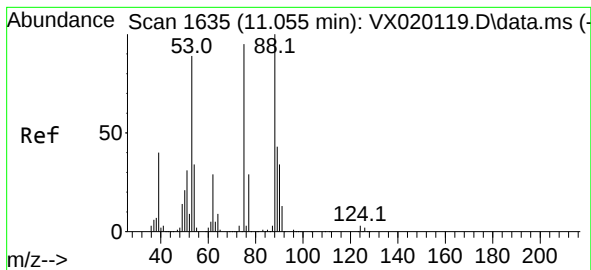
Tgt Ion:152 Resp: 169251
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 155.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.43 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020346.D
Acq: 23 Dec 2020 18:14

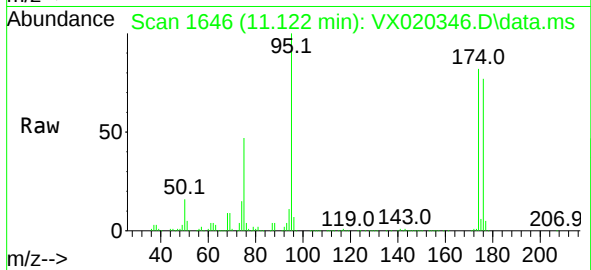
Tgt Ion: 75 Resp: 89337
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.57 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020346.D
 Acq: 23 Dec 2020 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20201214



Tgt Ion: 75 Resp: 89337
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

