

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042121\
 Data File : VX021796.D
 Acq On : 21 Apr 2021 16:35
 Operator : JC/MD
 Sample : M2079-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Apr 22 08:59:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

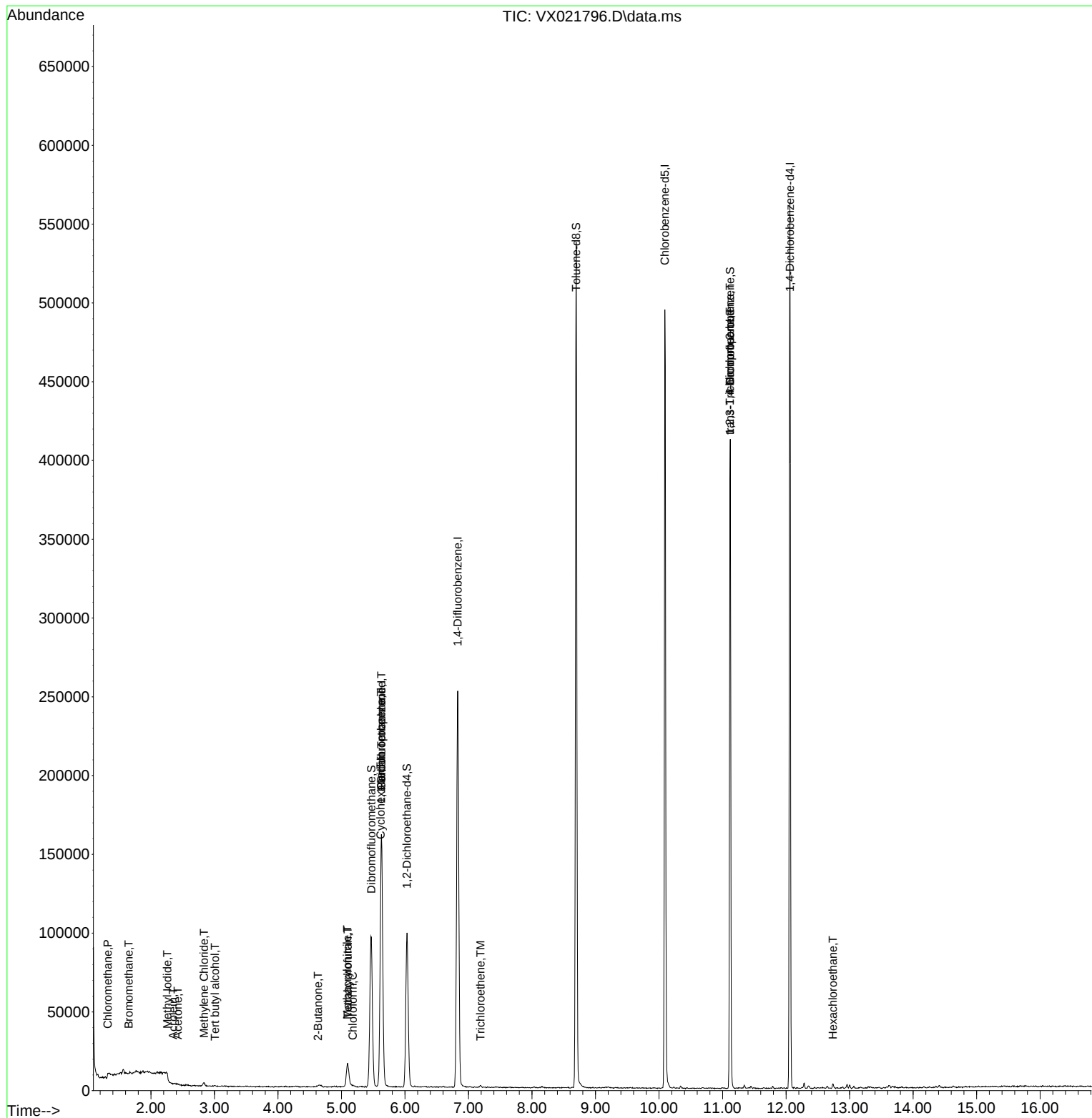
Internal Standards						
1) Pentafluorobenzene	5.629	168	158777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	270883	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	249637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	120158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	92082	51.12	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.24%			
35) Dibromofluoromethane	5.470	113	85515	49.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.72%			
50) Toluene-d8	8.695	98	326952	49.09	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.18%			
62) 4-Bromofluorobenzene	11.122	95	119875	48.19	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.38%			
Target Compounds					Qvalue	
3) Chloromethane	1.319	50	1546	1.07	ug/l	91
5) Bromomethane	1.648	94	257	0.32	ug/l #	58
10) Methyl Iodide	2.258	142	19	8.16	ug/l #	42
11) Tert butyl alcohol	3.007	59	510	1.29	ug/l #	1
13) Acrolein	2.349	56	266	0.83	ug/l #	65
16) Acetone	2.422	43	735	1.19	ug/l	99
20) Methylene Chloride	2.837	84	699	0.38	ug/l	89
25) 2-Butanone	4.629	43	259	0.25	ug/l #	45
29) Tetrahydrofuran	5.098	42	13858	20.31	ug/l	97
30) Chloroform	5.178	83	972	0.32	ug/l	97
31) Cyclohexane	5.617	56	2907	1.15	ug/l #	10
36) 1,1-Dichloropropene	5.623	75	10913	4.56	ug/l #	49
38) Carbon Tetrachloride	5.629	117	14951	5.71	ug/l #	17
41) Methacrylonitrile	5.092	41	7692	6.08	ug/l #	42
44) Trichloroethene	7.190	130	458	0.22	ug/l	85
76) 1,2,3-Trichloropropane	11.116	75	55872	23.45	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	55872	53.92	ug/l #	12
90) Hexachloroethane	12.737	117	1379	0.97	ug/l #	9

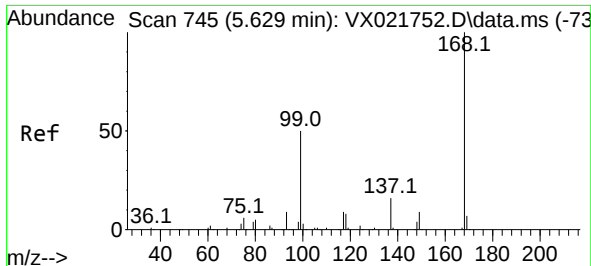
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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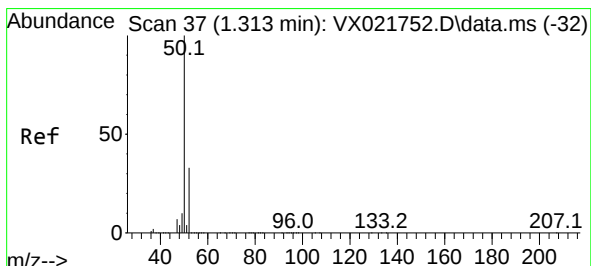
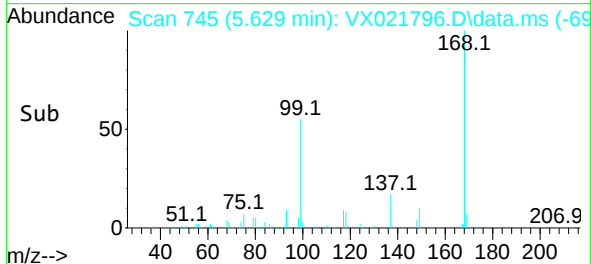
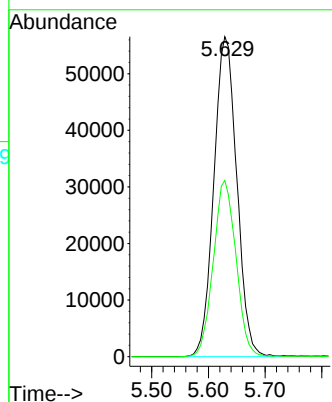
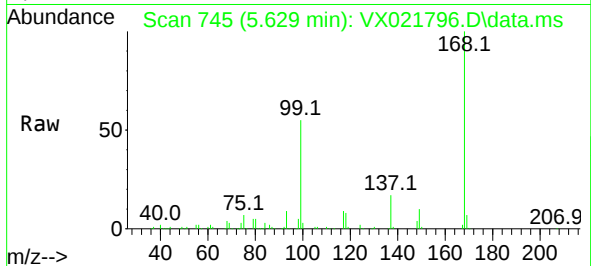




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

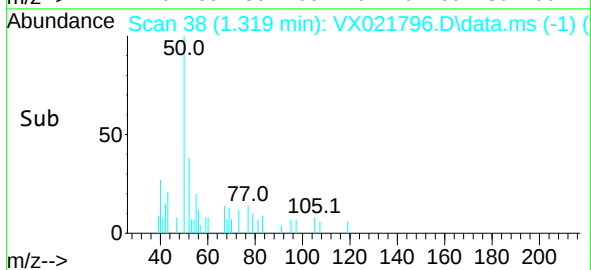
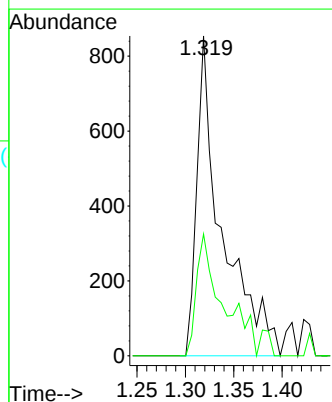
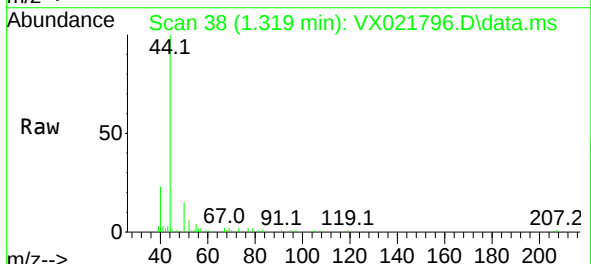
Instrument :
MSVOA_X
ClientSampled :
MW-11

Tgt Ion:168 Resp: 158777
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#3
Chloromethane
Concen: 1.07 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 50 Resp: 1546
Ion Ratio Lower Upper
50 100
52 38.1 26.4 39.6

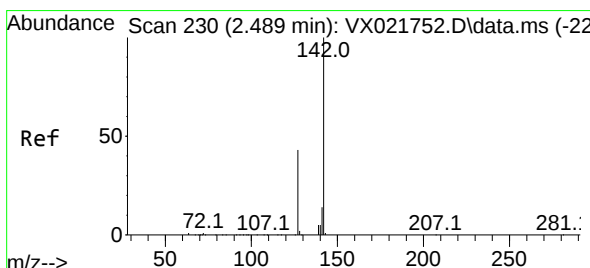
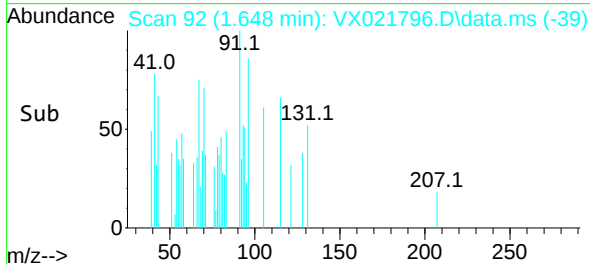
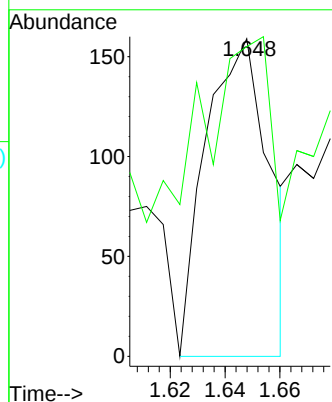
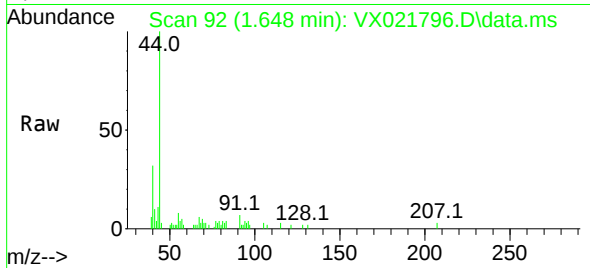




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.025 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

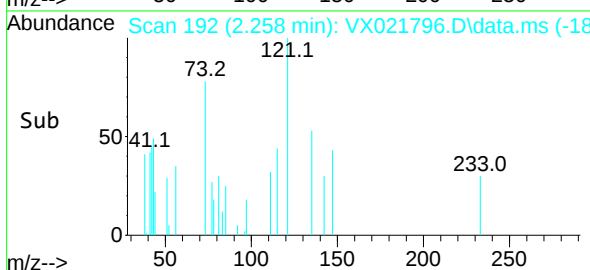
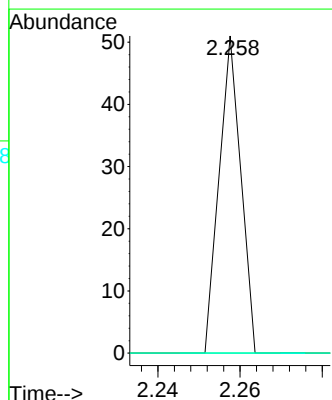
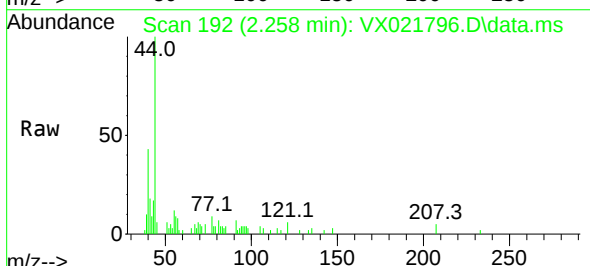
Instrument :
MSVOA_X
ClientSampled :
MW-11

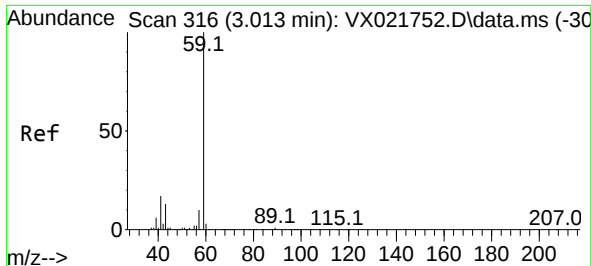
Tgt Ion: 94 Resp: 257
Ion Ratio Lower Upper
94 100
96 54.7 76.4 114.6#



#10
Methyl Iodide
Concen: 8.16 ug/l
RT: 2.258 min Scan# 192
Delta R.T. -0.231 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



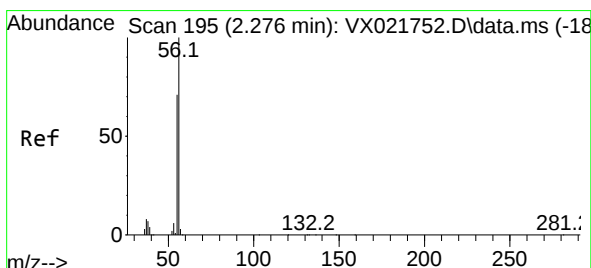
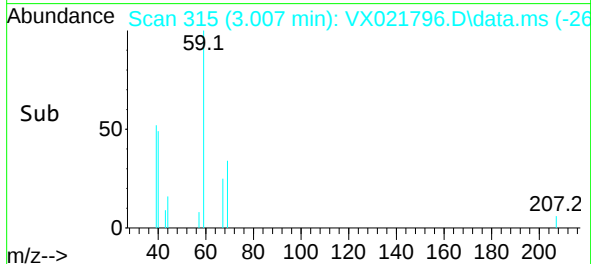
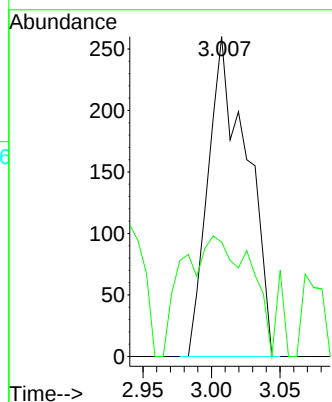
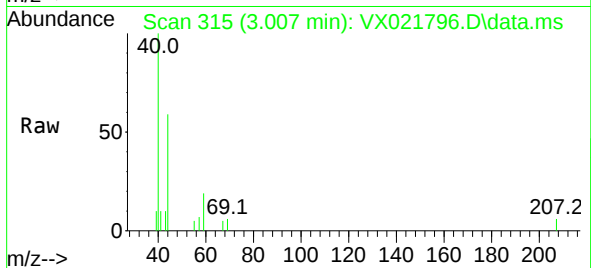


#11

Tert butyl alcohol
Concen: 1.29 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Instrument :
MSVOA_X
ClientSampled :
MW-11

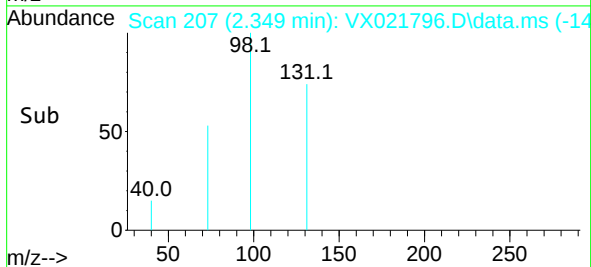
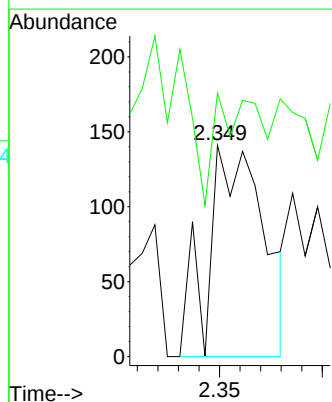
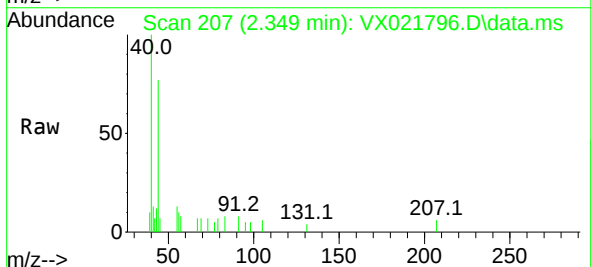
Tgt Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 65.3 7.8 11.8#



#13

Acrolein
Concen: 0.83 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.073 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 41.7 56.4 84.6#

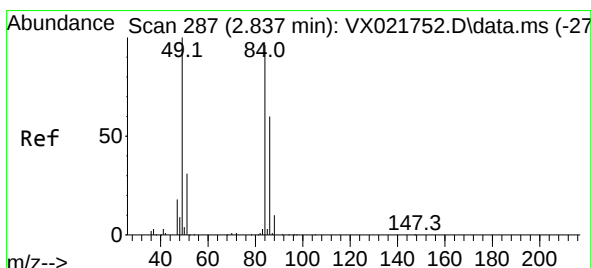
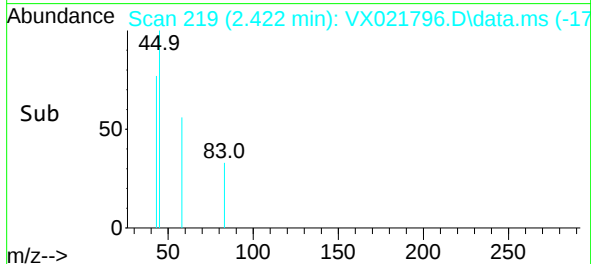
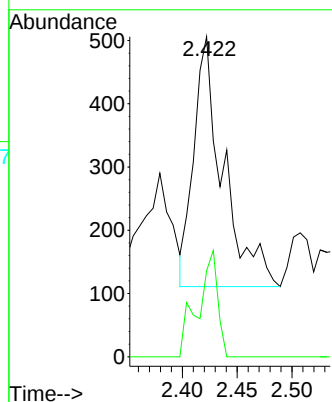
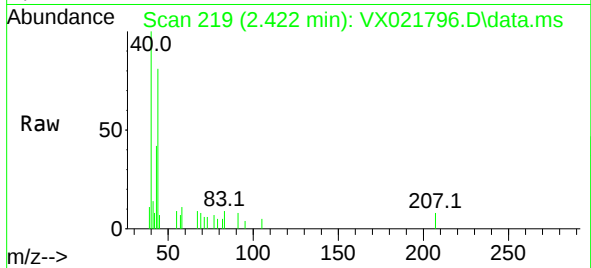




#16
Acetone
Concen: 1.19 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

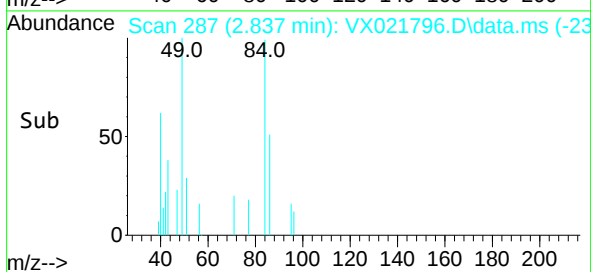
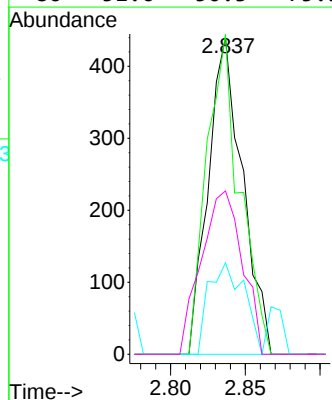
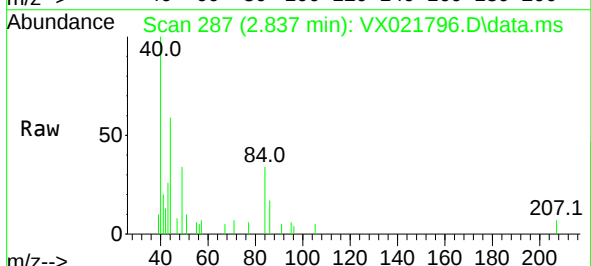
Instrument :
MSVOA_X
ClientSampled :
MW-11

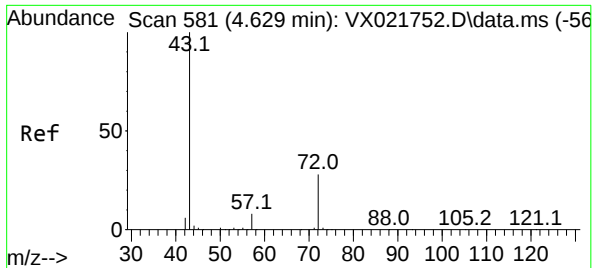
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#20
Methylene Chloride
Concen: 0.38 ug/l
RT: 2.837 min Scan# 287
Delta R.T. -0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 84 Resp: 699
Ion Ratio Lower Upper
84 100
49 101.1 88.6 132.8
51 28.9 27.0 40.6
86 51.6 50.3 75.5

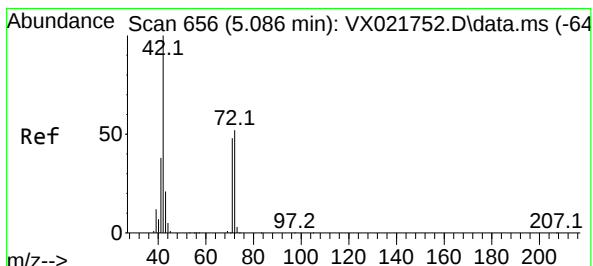
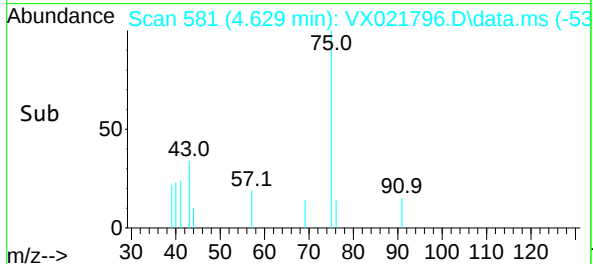
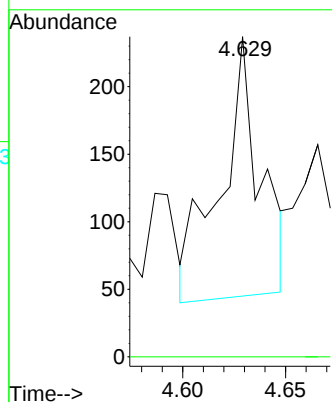
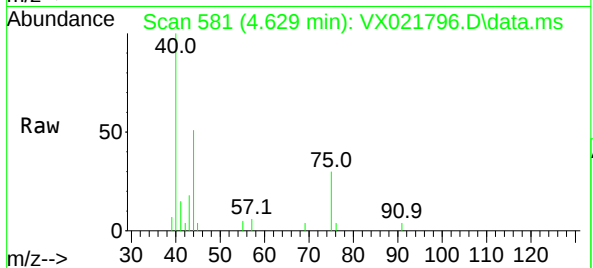




#25
2-Butanone
Concen: 0.25 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

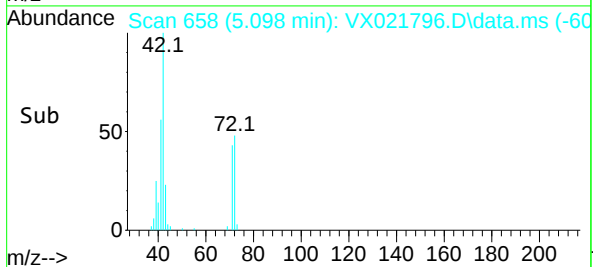
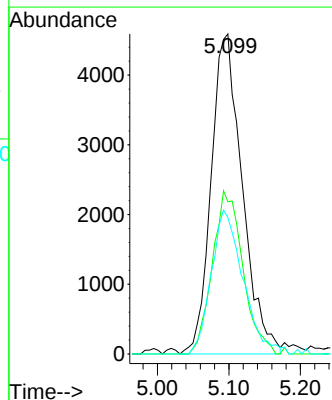
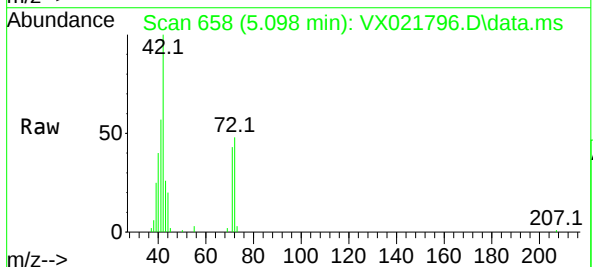
Instrument :
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ClientSampled :
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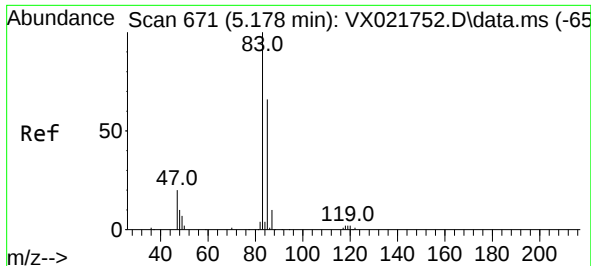
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 20.31 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 42 Resp: 13858
Ion Ratio Lower Upper
42 100
72 49.8 41.7 62.5
71 46.0 38.4 57.6

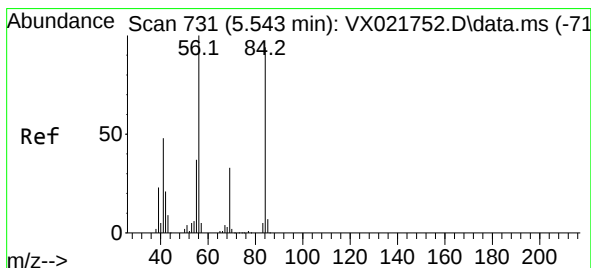
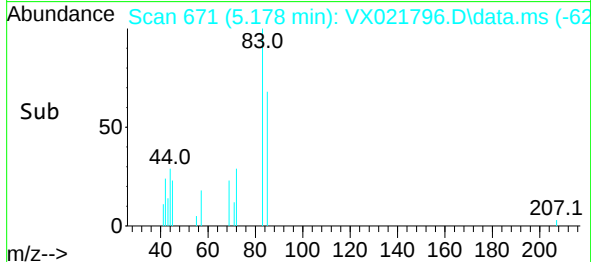
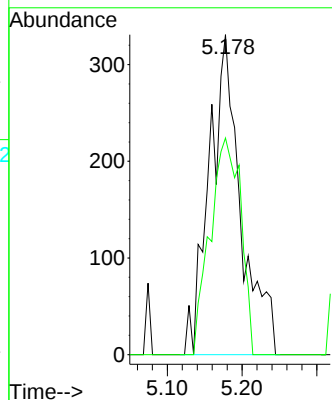
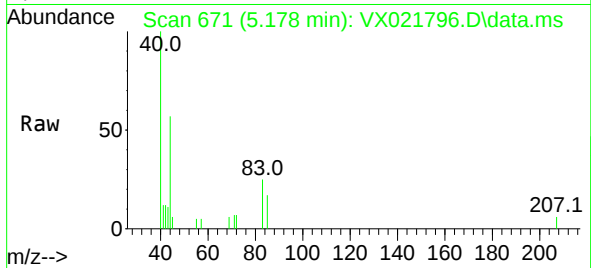




#30
Chloroform
Concen: 0.32 ug/l
RT: 5.178 min Scan# 671
Delta R.T. -0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

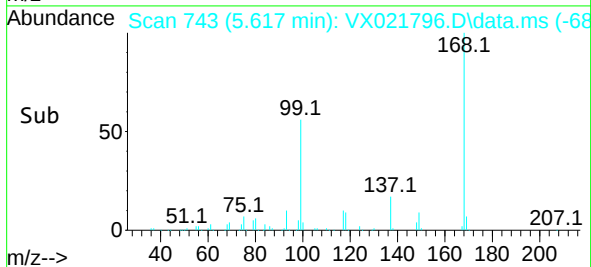
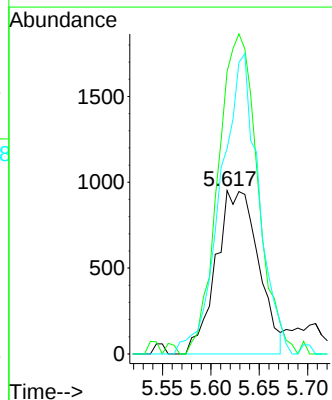
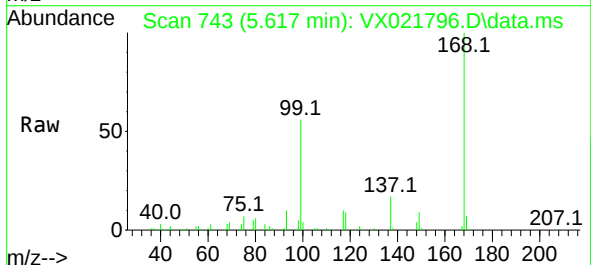
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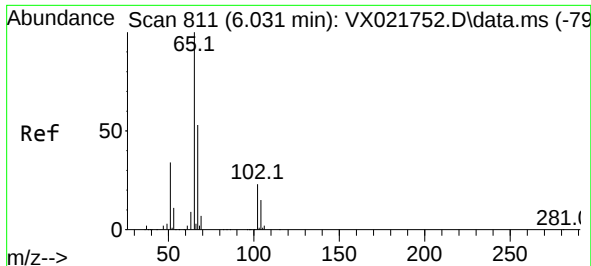
Tgt Ion: 83 Resp: 972
Ion Ratio Lower Upper
83 100
85 67.7 52.0 78.0



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 5.617 min Scan# 743
Delta R.T. 0.074 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 56 Resp: 2907
Ion Ratio Lower Upper
56 100
69 172.7 25.3 37.9#
84 118.5 71.4 107.0#

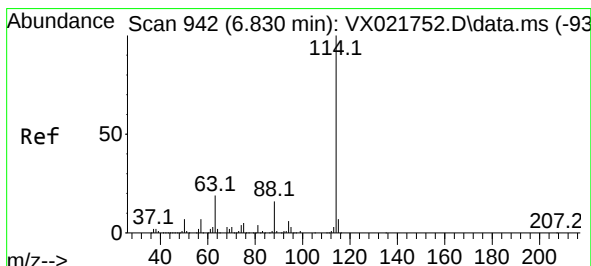
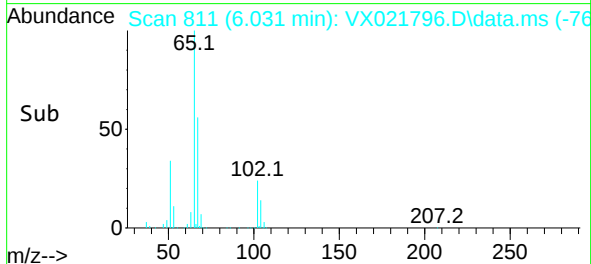
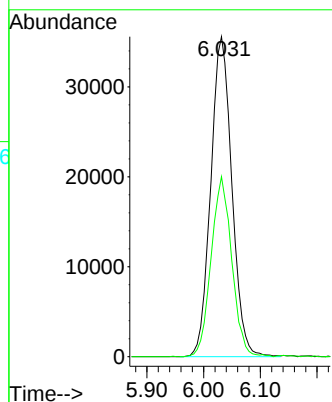
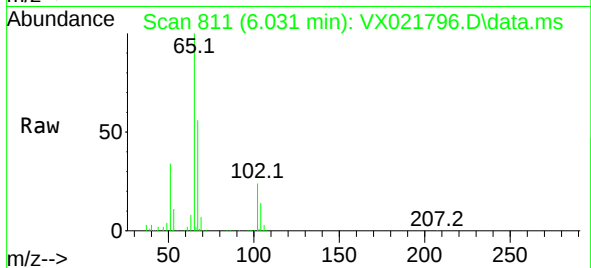




#33
1,2-Dichloroethane-d4
Concen: 51.12 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

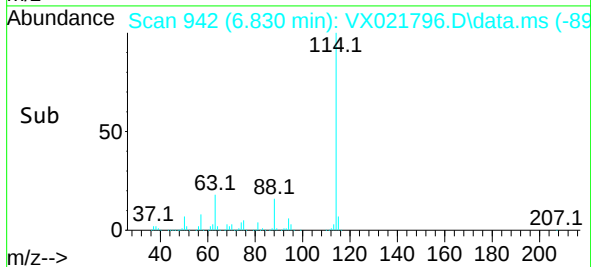
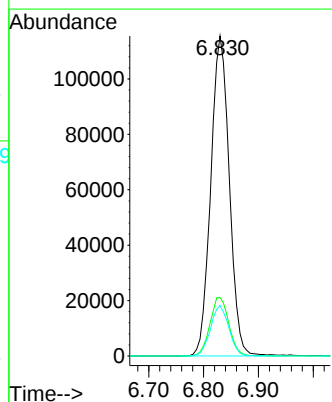
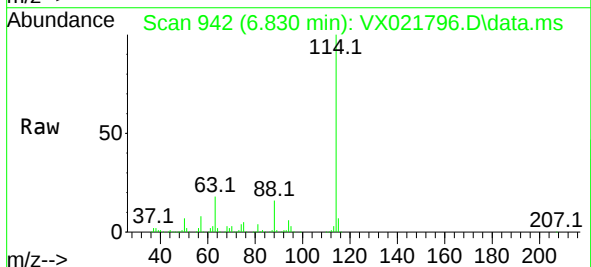
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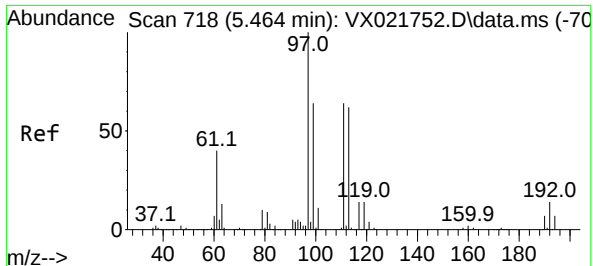
Tgt Ion: 65 Resp: 92082
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

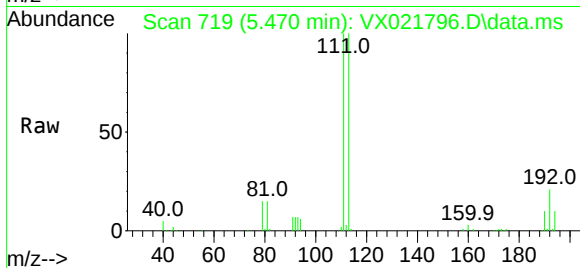
Tgt Ion: 114 Resp: 270883
Ion Ratio Lower Upper
114 100
63 18.2 0.0 40.8
88 15.8 0.0 32.8



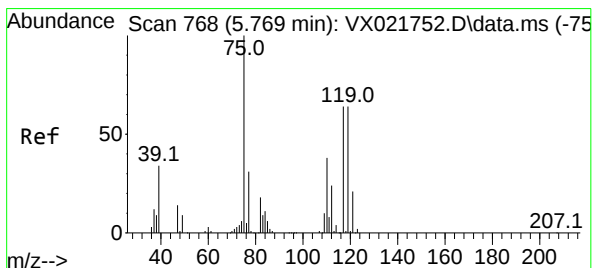
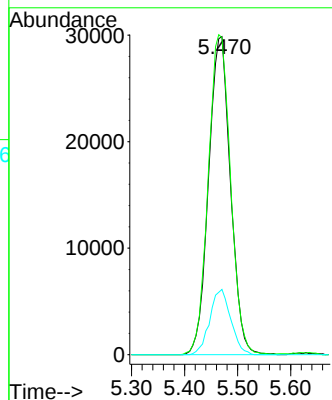
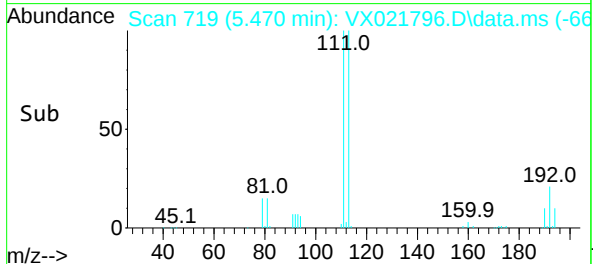


#35
Dibromofluoromethane
Concen: 49.36 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

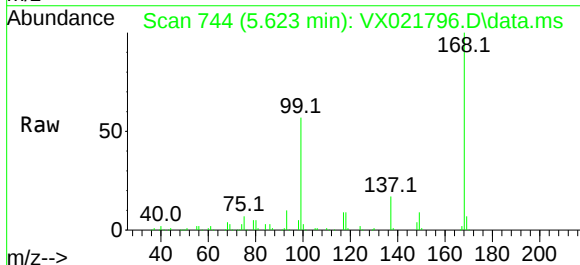
Instrument :
MSVOA_X
ClientSampled :
MW-11



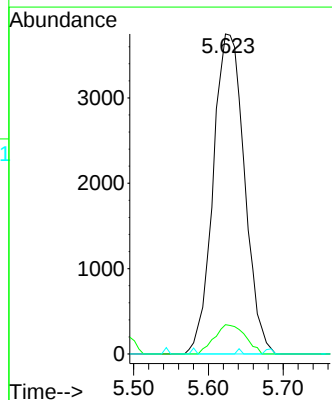
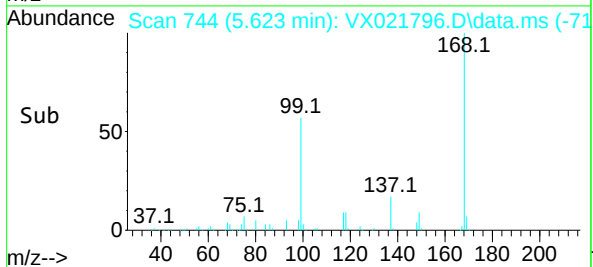
Tgt Ion:113 Resp: 85515
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.8 16.7 25.1

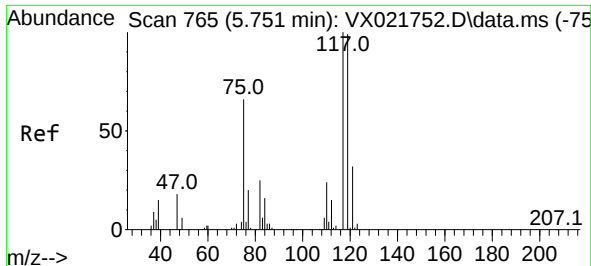


#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35



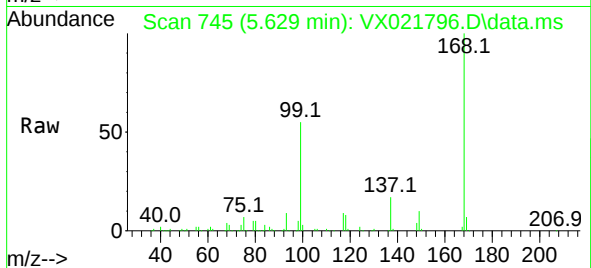
Tgt Ion: 75 Resp: 10913
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.2 25.3 37.9#



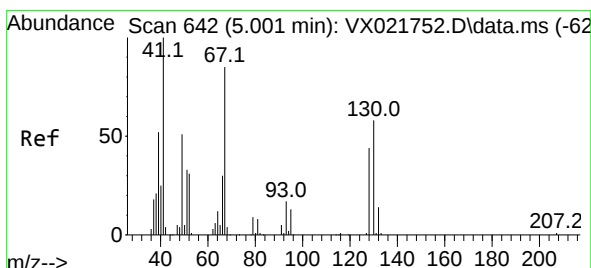
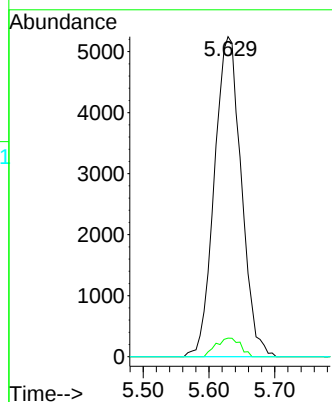
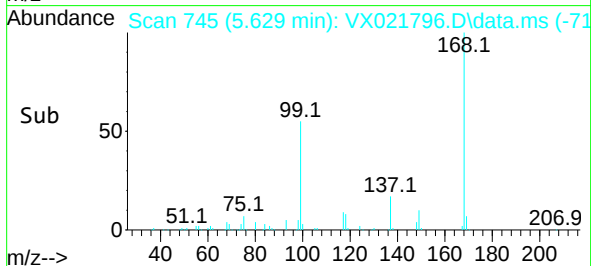


#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

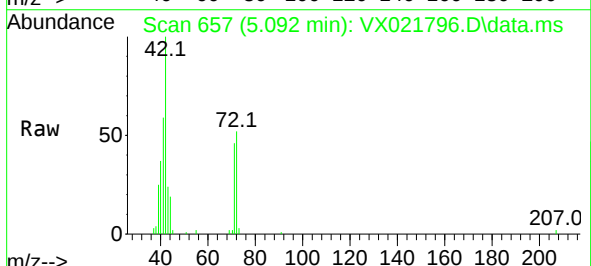
Instrument :
MSVOA_X
ClientSampled :
MW-11



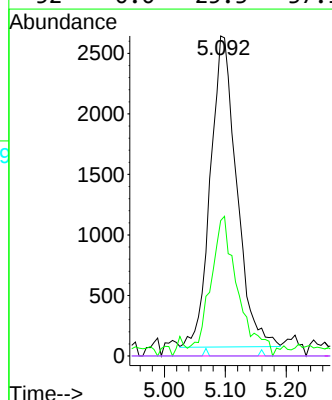
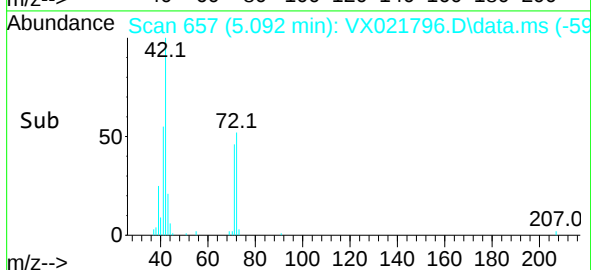
Tgt Ion: 117 Resp: 14951
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

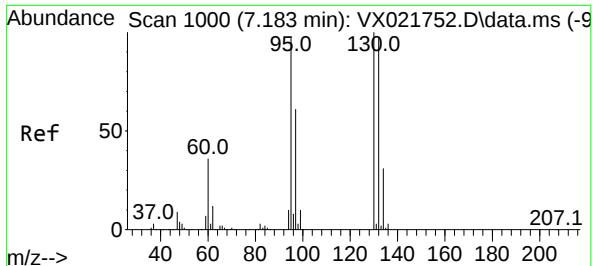


#41
Methacrylonitrile
Concen: 6.08 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.091 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35



Tgt Ion: 41 Resp: 7692
Ion Ratio Lower Upper
41 100
39 46.9 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

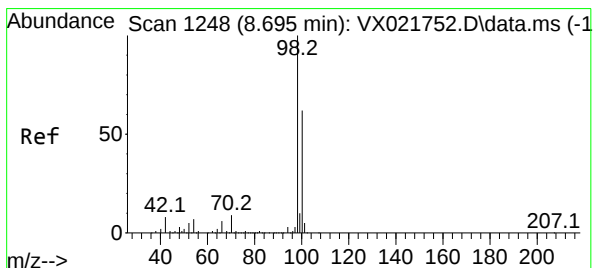
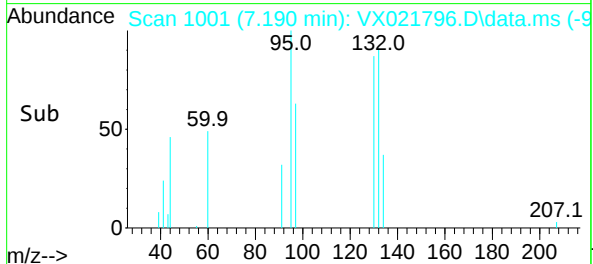
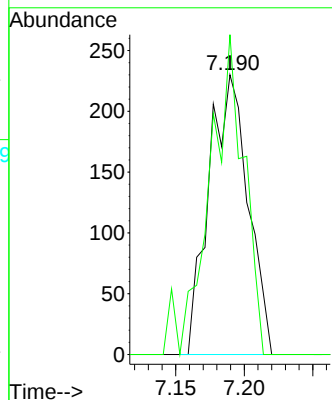
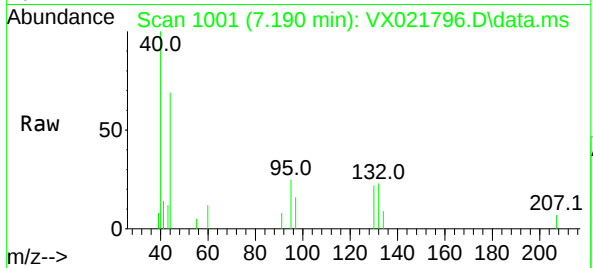




#44
Trichloroethene
Concen: 0.22 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

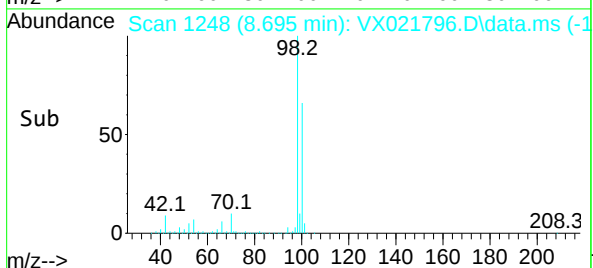
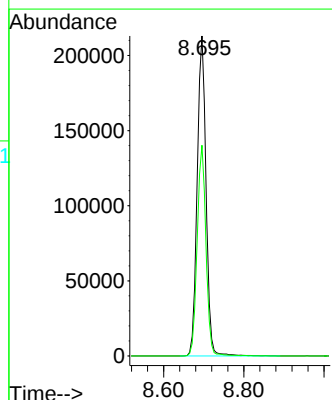
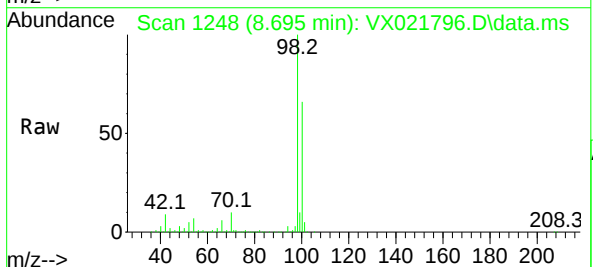
Instrument :
MSVOA_X
ClientSampled :
MW-11

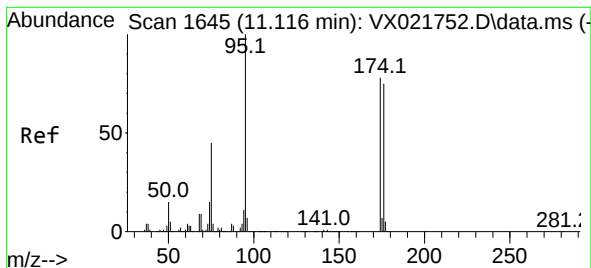
Tgt Ion:130 Resp: 458
Ion Ratio Lower Upper
130 100
95 114.3 0.0 198.0



#50
Toluene-d8
Concen: 49.09 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 98 Resp: 326952
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

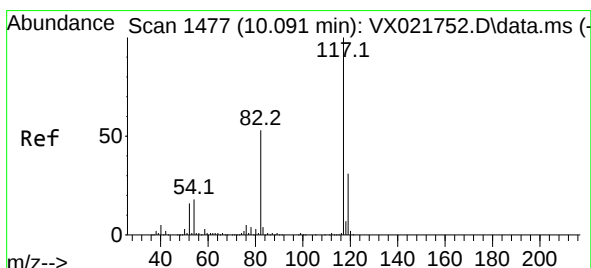
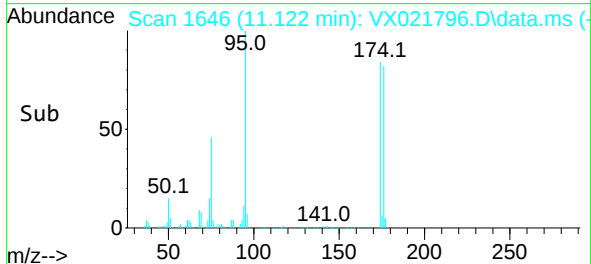
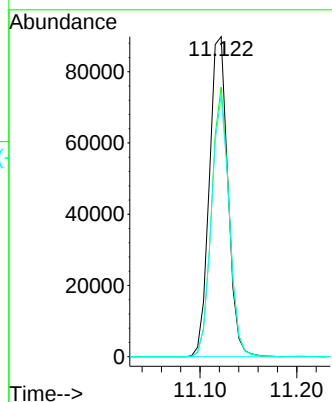
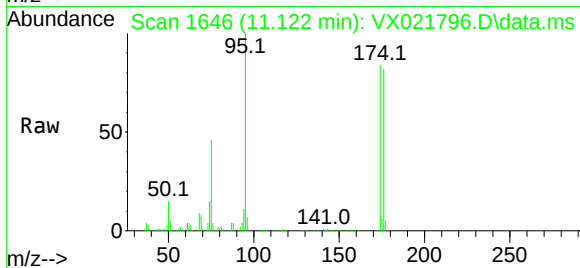




#62
4-Bromofluorobenzene
Concen: 48.19 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

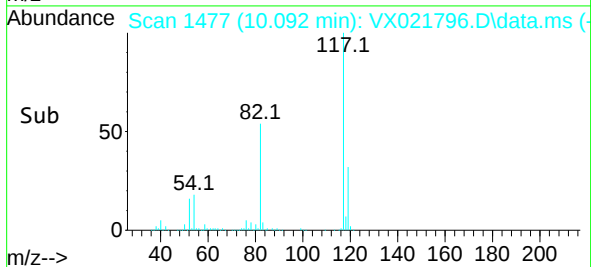
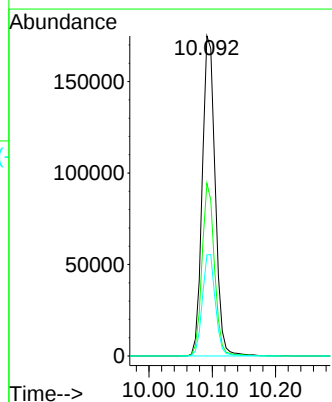
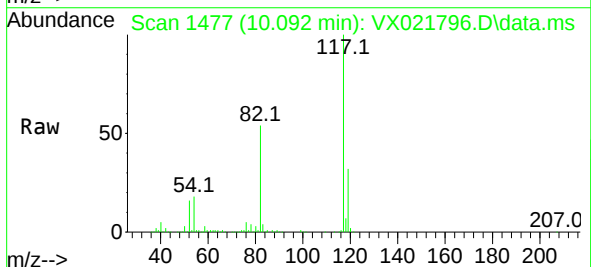
Instrument :
MSVOA_X
ClientSampled :
MW-11

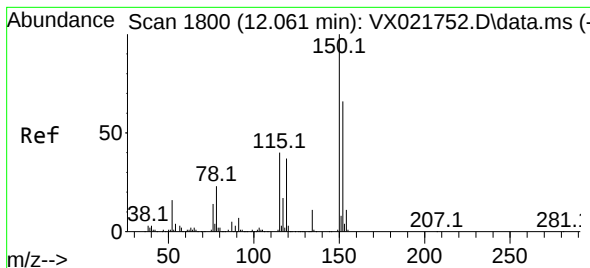
Tgt Ion: 95 Resp: 119875
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 117 Resp: 249637
Ion Ratio Lower Upper
117 100
82 54.0 47.4 71.2
119 31.6 26.6 39.8

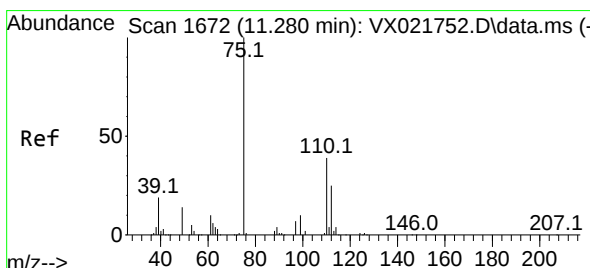
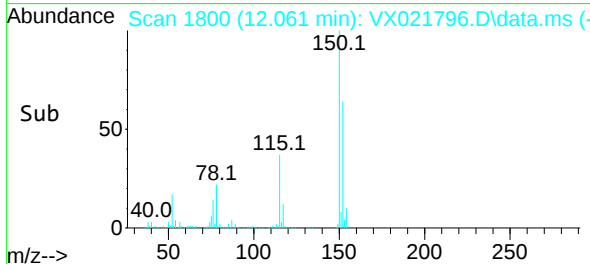
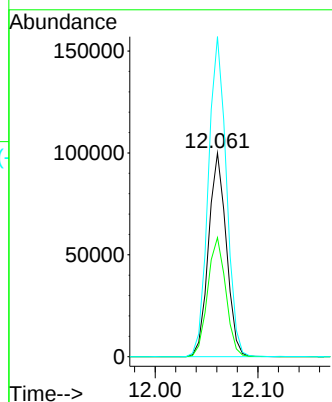
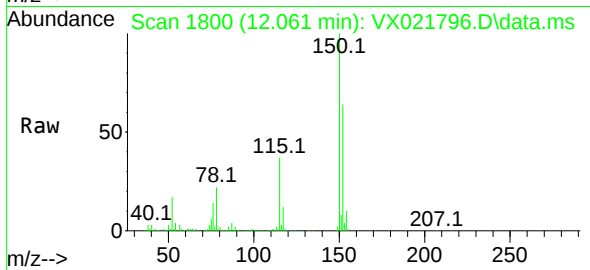




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX021796.D
 Acq: 21 Apr 2021 16:35

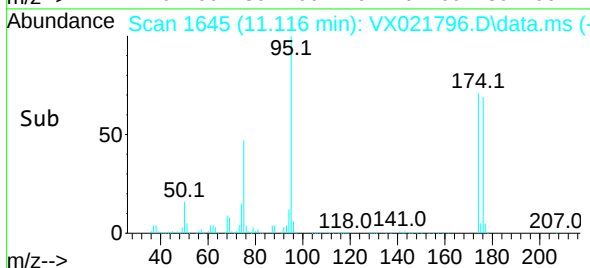
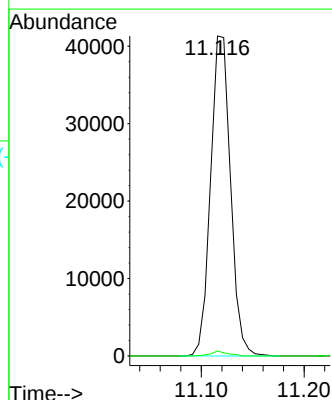
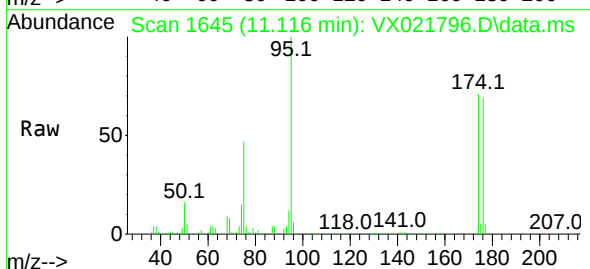
Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

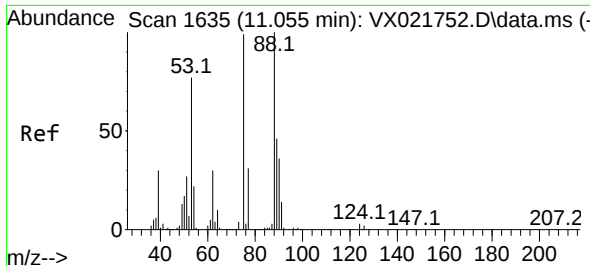
Tgt Ion:152 Resp: 120158
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.1 123.3
 150 159.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.45 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX021796.D
 Acq: 21 Apr 2021 16:35

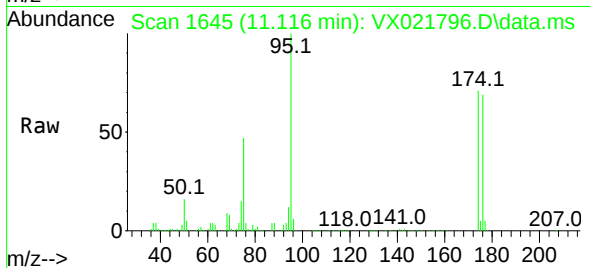
Tgt Ion: 75 Resp: 55872
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



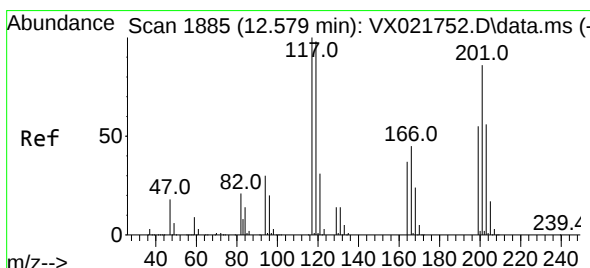
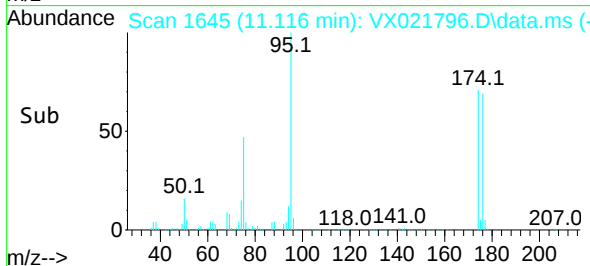
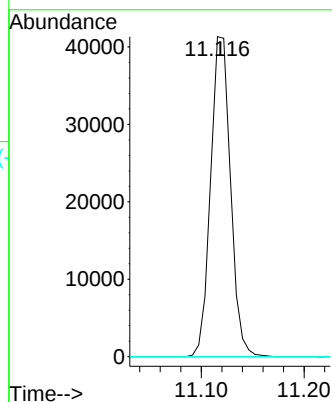


#81
trans-1,4-Dichloro-2-butene
Concen: 53.92 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-11



Tgt Ion: 75 Resp: 55872
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 0.97 ug/l
RT: 12.737 min Scan# 1911
Delta R.T. 0.158 min
Lab File: VX021796.D
Acq: 21 Apr 2021 16:35

Tgt Ion: 117 Resp: 1379
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

