

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020321.D
 Acq On : 22 Dec 2020 22:53
 Operator : JC/MD
 Sample : L5124-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-20201214

Quant Time: Dec 23 05:04:03 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)

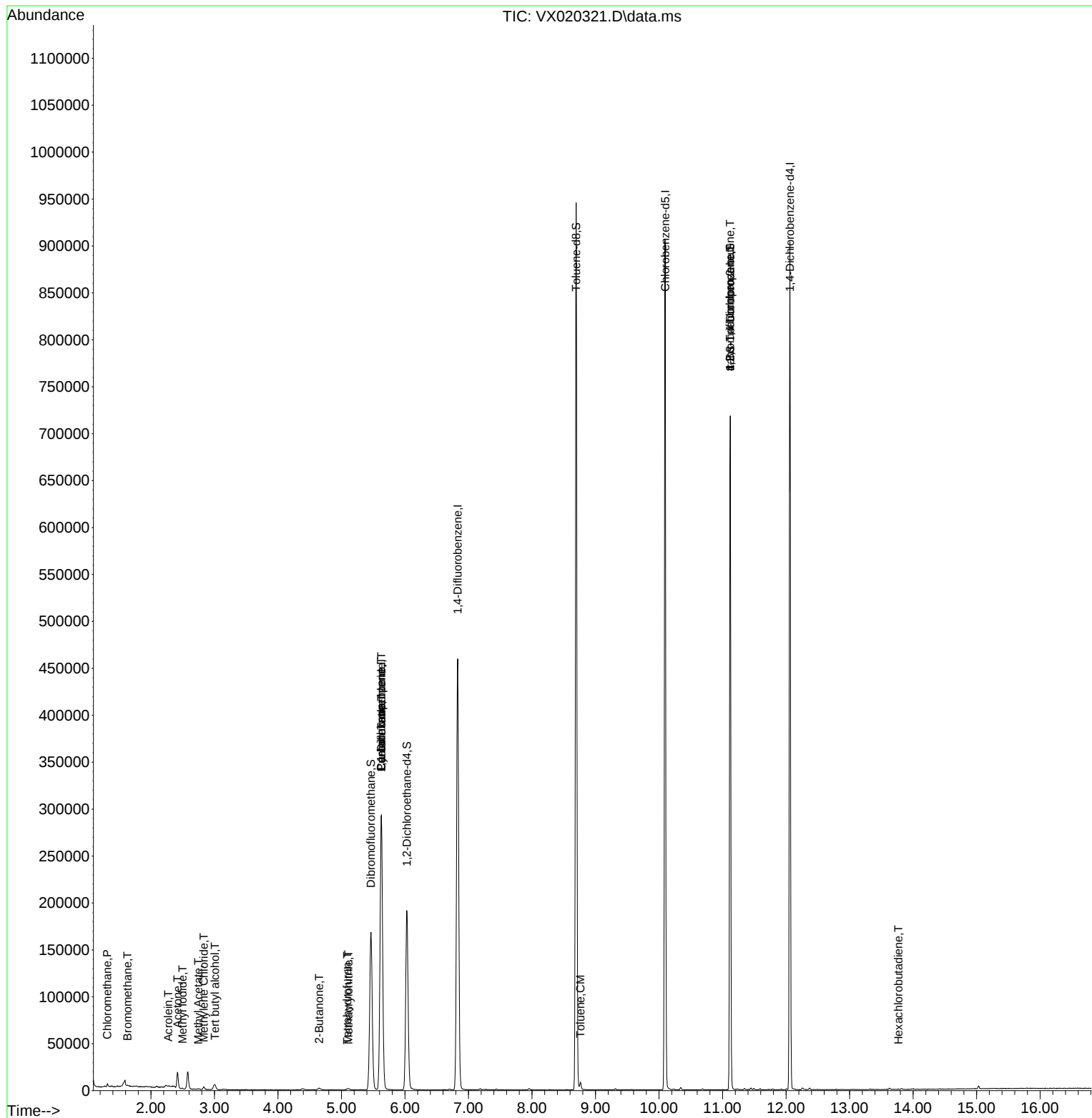
Internal Standards						
1) Pentafluorobenzene	5.629	168	282458	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	469062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	429179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	181934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	181502	47.94	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.88%		
35) Dibromofluoromethane	5.464	113	147046	49.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.02%		
50) Toluene-d8	8.696	98	566973	49.09	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.18%		
62) 4-Bromofluorobenzene	11.122	95	199285	45.08	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.16%		
Target Compounds						Qvalue
3) Chloromethane	1.313	50	1593	0.45	ug/l	95
5) Bromomethane	1.630	94	761	0.61	ug/l	84
10) Methyl Iodide	2.495	142	899	3.51	ug/l #	94
11) Tert butyl alcohol	3.008	59	5644	6.66	ug/l #	93
13) Acrolein	2.270	56	162	0.31	ug/l #	9
16) Acetone	2.416	43	18449	10.69	ug/l	97
18) Methyl Acetate	2.745	43	812	0.21	ug/l #	84
20) Methylene Chloride	2.831	84	1165	0.30	ug/l	94
25) 2-Butanone	4.648	43	865	0.34	ug/l #	86
29) Tetrahydrofuran	5.093	42	1351	0.85	ug/l	91
31) Cyclohexane	5.629	56	5818	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	22229	4.80	ug/l #	48
38) Carbon Tetrachloride	5.629	117	28213	6.40	ug/l #	16
41) Methacrylonitrile	5.111	41	950	0.37	ug/l #	32
52) Toluene	8.763	92	2490	0.28	ug/l	97
76) 1,2,3-Trichloropropane	11.122	75	97523	21.76	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	97523	64.56	ug/l #	12
94) Hexachlorobutadiene	13.768	225	132	2.72	ug/l	98

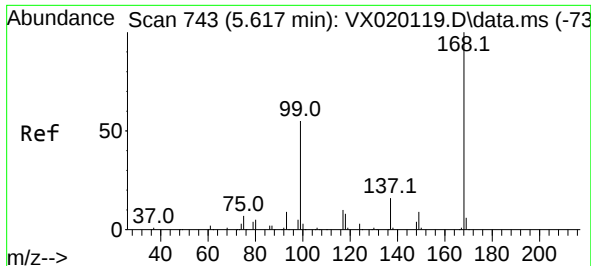
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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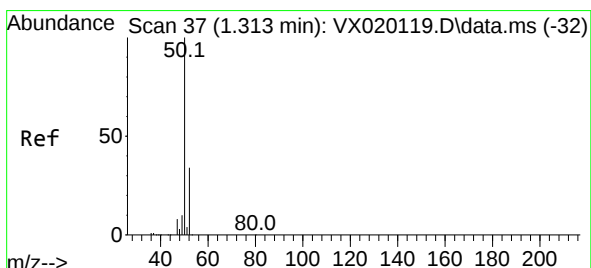
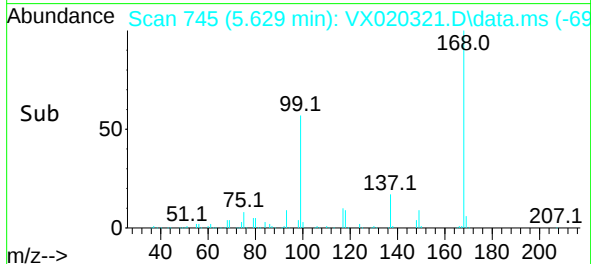
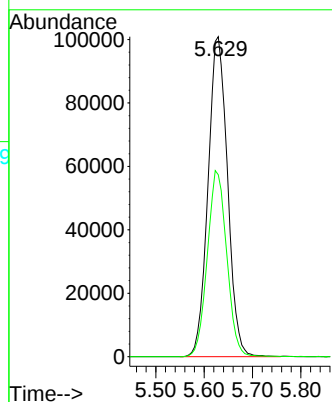
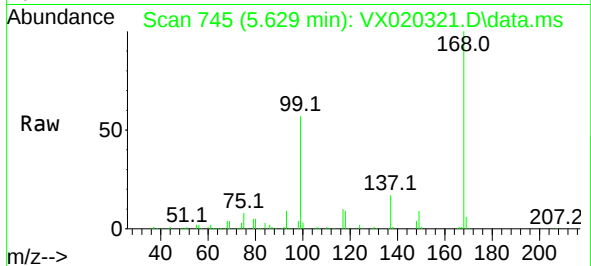




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

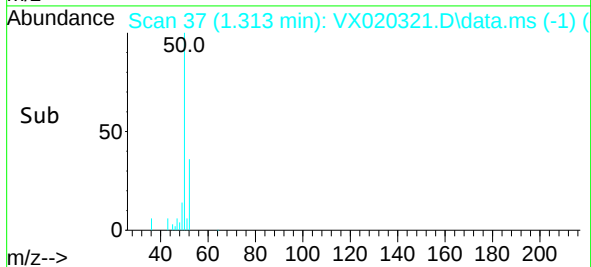
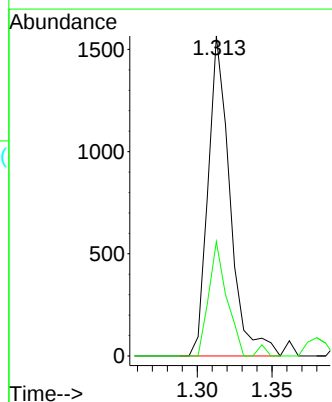
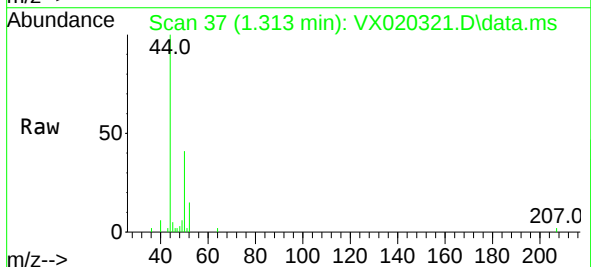
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

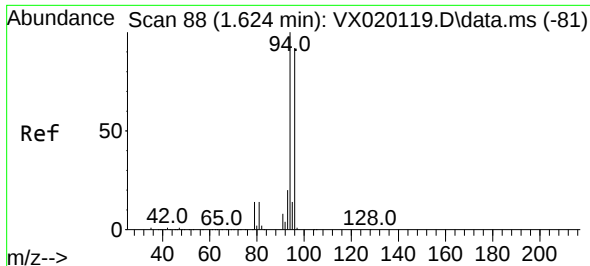
Tgt Ion:168 Resp: 282458
Ion Ratio Lower Upper
168 100
99 56.9 45.8 68.6



#3
Chloromethane
Concen: 0.45 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 50 Resp: 1593
Ion Ratio Lower Upper
50 100
52 35.8 26.4 39.6

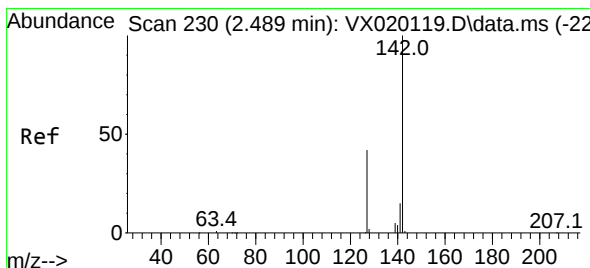
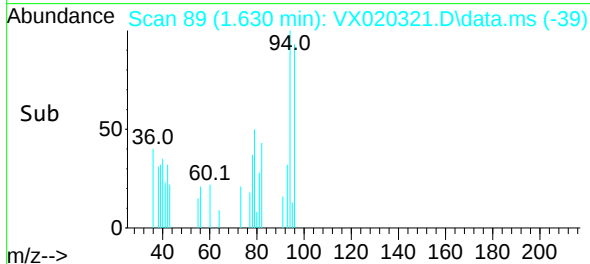
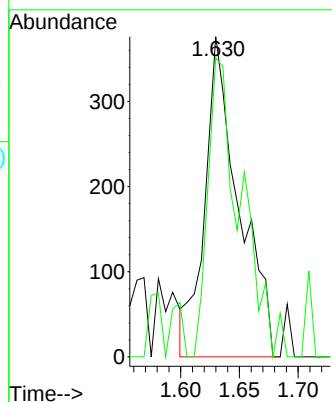
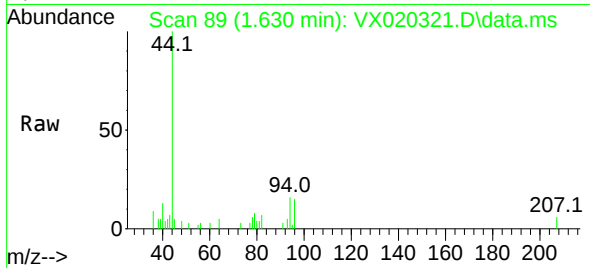




#5
Bromomethane
Concen: 0.61 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

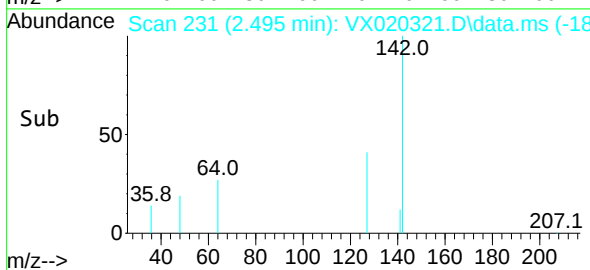
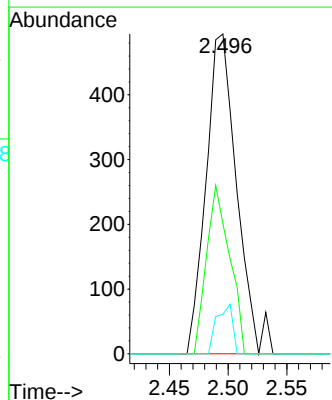
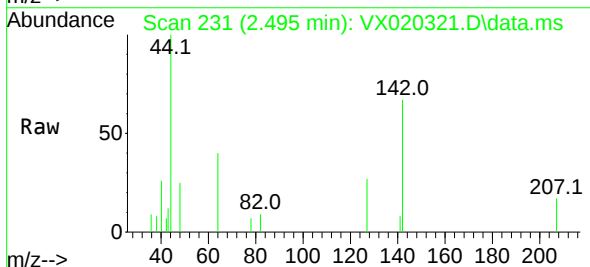
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

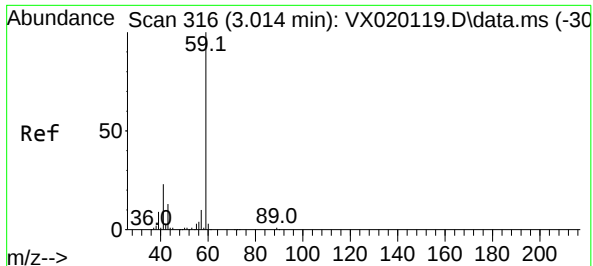
Tgt Ion: 94 Resp: 761
Ion Ratio Lower Upper
94 100
96 79.8 76.4 114.6



#10
Methyl Iodide
Concen: 3.51 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 142 Resp: 899
Ion Ratio Lower Upper
142 100
127 39.6 33.3 49.9
141 8.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 6.66 ug/l

RT: 3.008 min Scan# 315

Delta R.T. -0.006 min

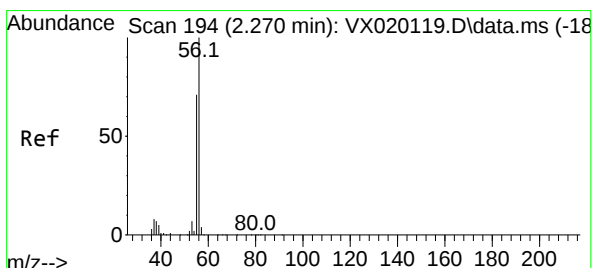
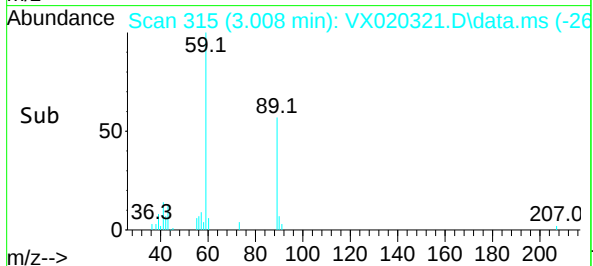
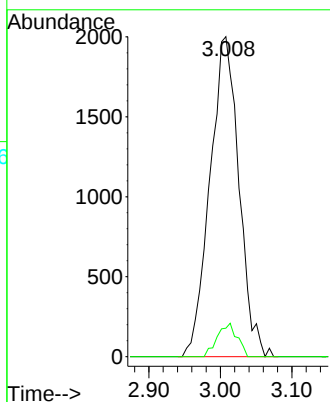
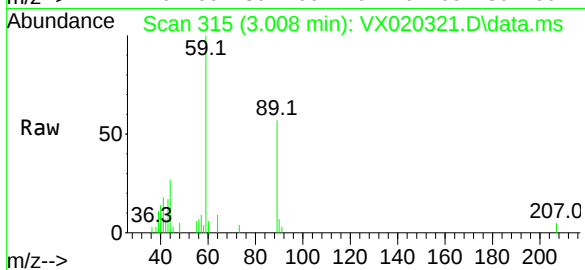
Lab File: VX020321.D

Acq: 22 Dec 2020 22:53

Tgt Ion: 59 Resp: 5644

Ion Ratio Lower Upper

59 100
57 7.1 7.8 11.8#



#13

Acrolein

Concen: 0.31 ug/l

RT: 2.270 min Scan# 194

Delta R.T. -0.000 min

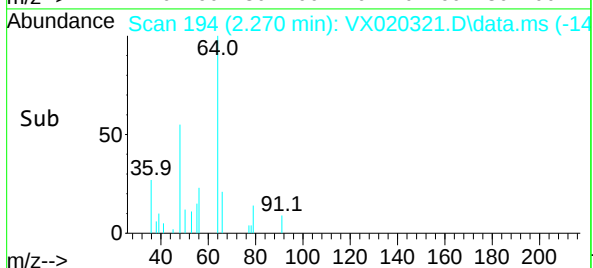
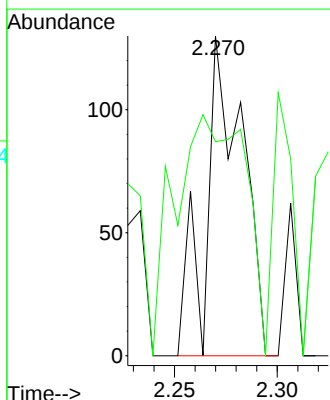
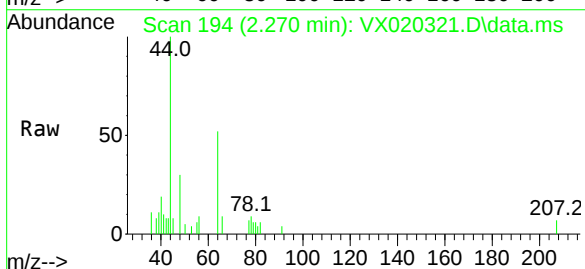
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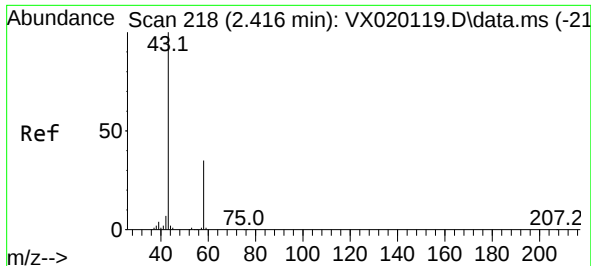
Acq: 22 Dec 2020 22:53

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100
55 145.1 56.4 84.6#

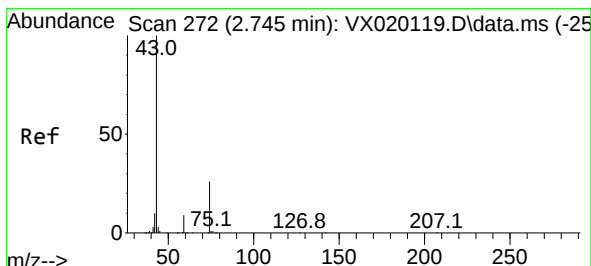
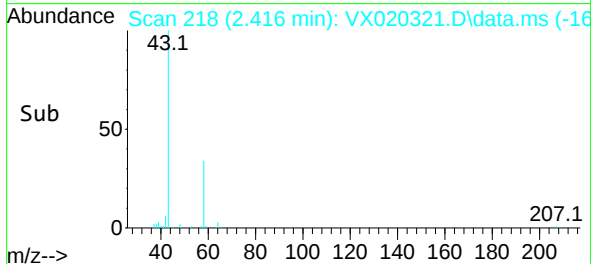
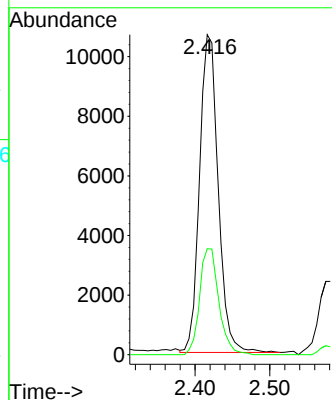
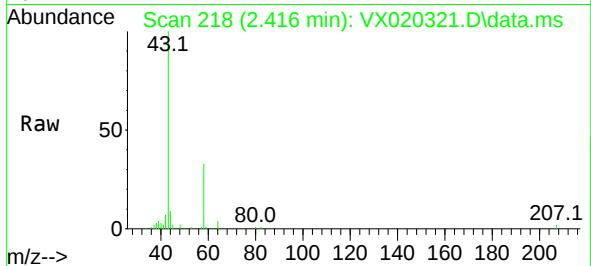




#16
Acetone
Concen: 10.69 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

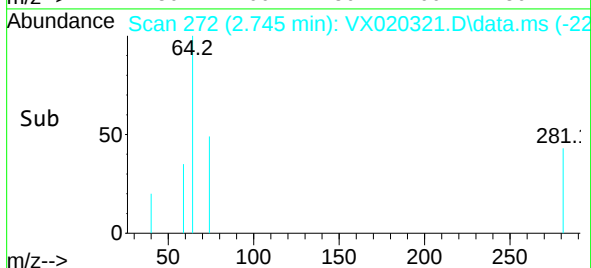
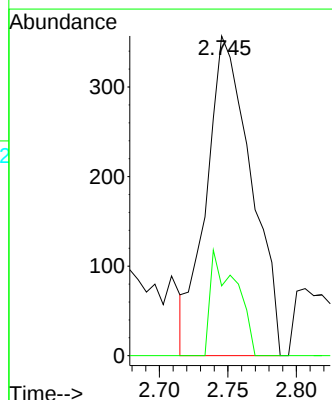
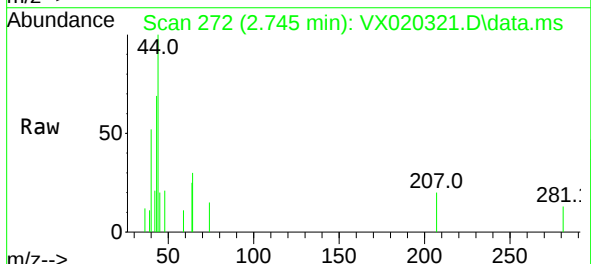
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

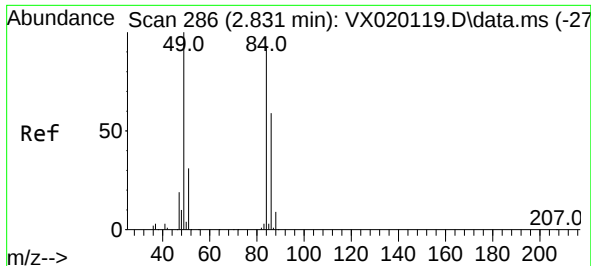
Tgt Ion: 43 Resp: 18449
Ion Ratio Lower Upper
43 100
58 33.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

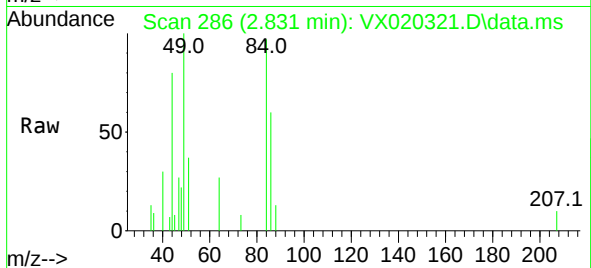
Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
74 18.8 21.9 32.9#



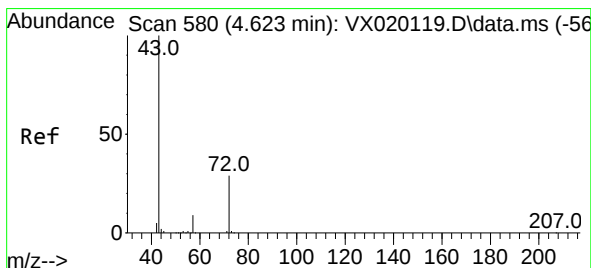
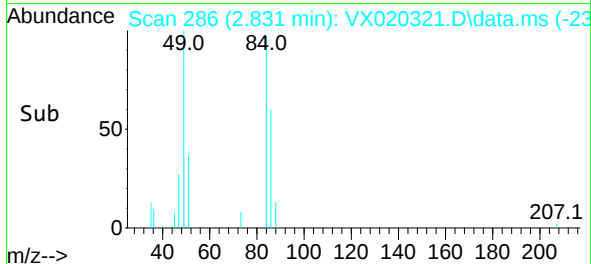
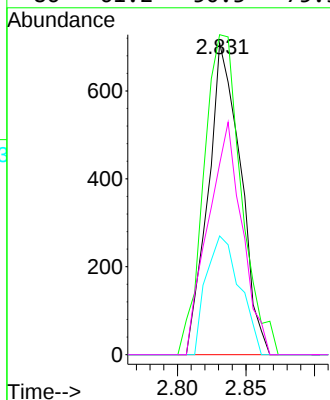


#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

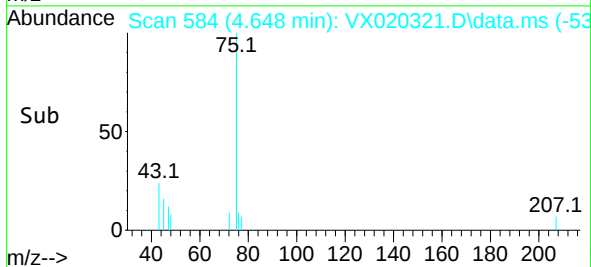
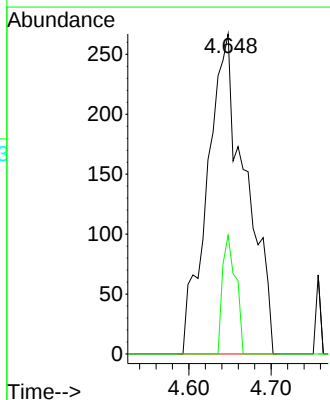
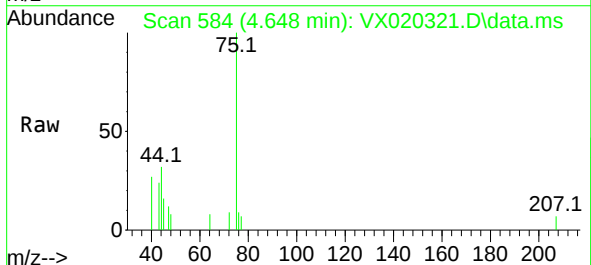


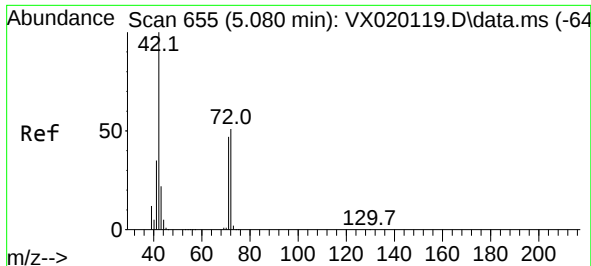
Tgt Ion:	84	Resp:	1165
Ion	Ratio	Lower	Upper
84	100		
49	102.7	88.6	132.8
51	38.1	27.0	40.6
86	61.2	50.3	75.5



#25
2-Butanone
Concen: 0.34 ug/l
RT: 4.648 min Scan# 584
Delta R.T. 0.025 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion:	43	Resp:	865
Ion	Ratio	Lower	Upper
43	100		
72	37.1	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.85 ug/l

RT: 5.093 min Scan# 657

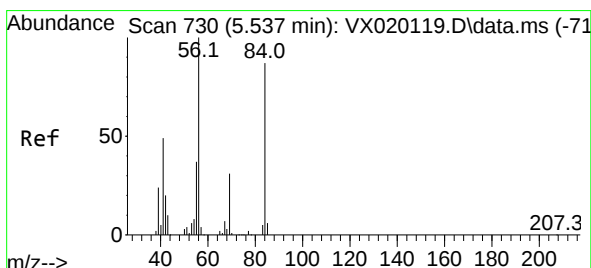
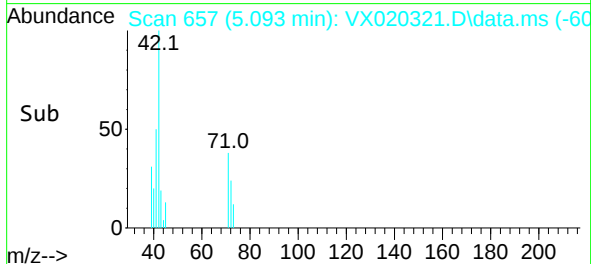
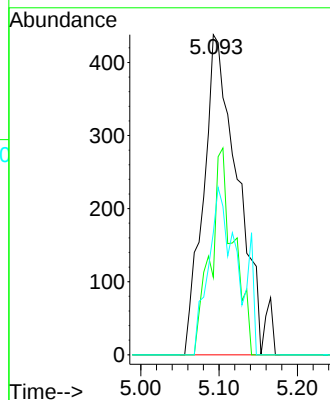
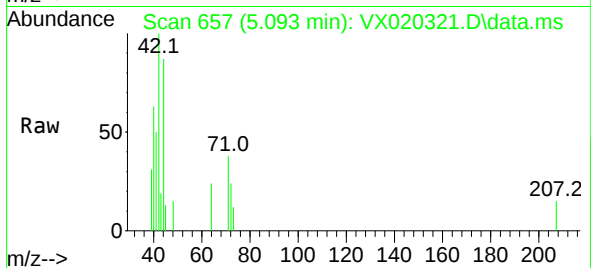
Delta R.T. 0.013 min

Lab File: VX020321.D

Acq: 22 Dec 2020 22:53

Tgt Ion:	42	Resp:	1351
Ion	Ratio	Lower	Upper
42	100		
72	43.2	41.7	62.5
71	44.4	38.4	57.6

Instrument :
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FB-20201214



#31

Cyclohexane

Concen: 1.11 ug/l

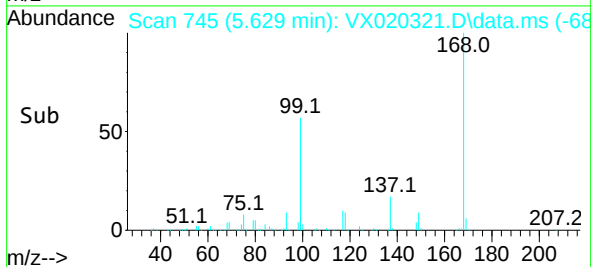
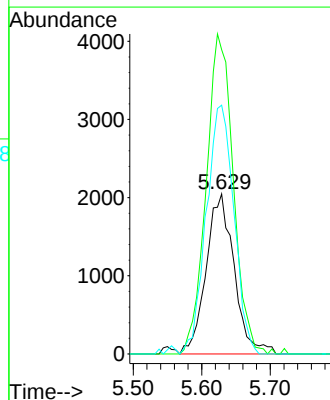
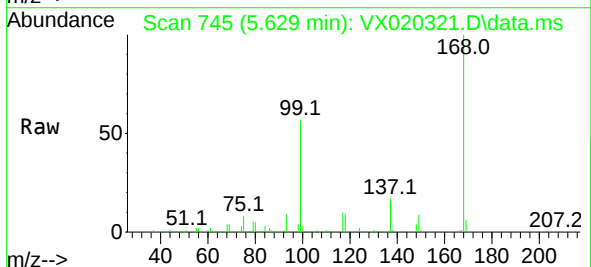
RT: 5.629 min Scan# 745

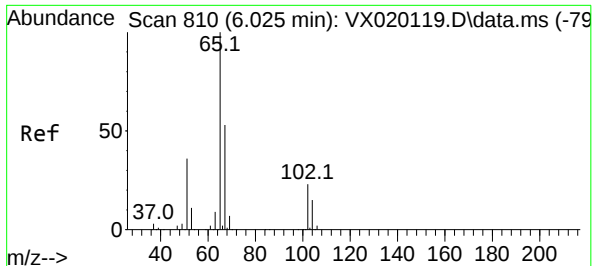
Delta R.T. 0.092 min

Lab File: VX020321.D

Acq: 22 Dec 2020 22:53

Tgt Ion:	56	Resp:	5818
Ion	Ratio	Lower	Upper
56	100		
69	190.2	25.3	37.9#
84	155.5	71.4	107.0#

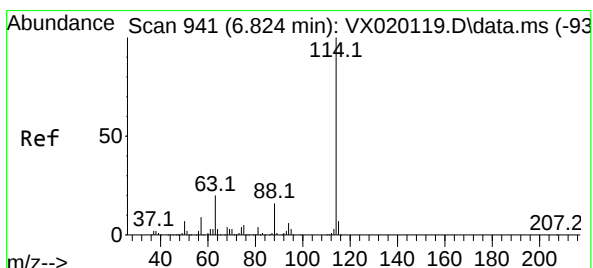
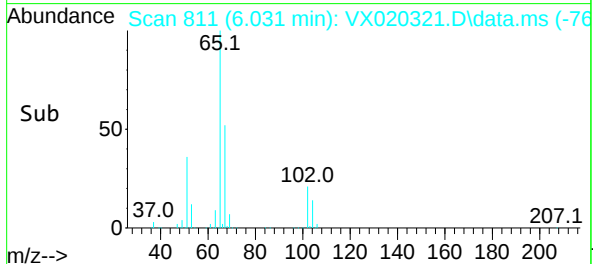
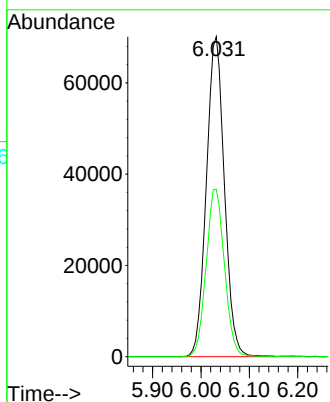
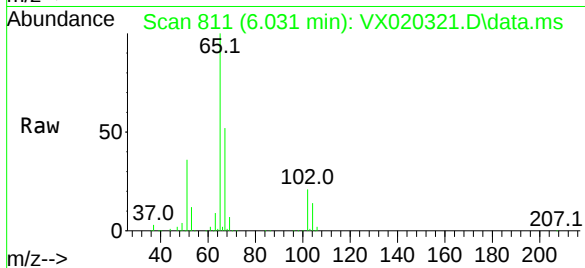




#33
1,2-Dichloroethane-d4
Concen: 47.94 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

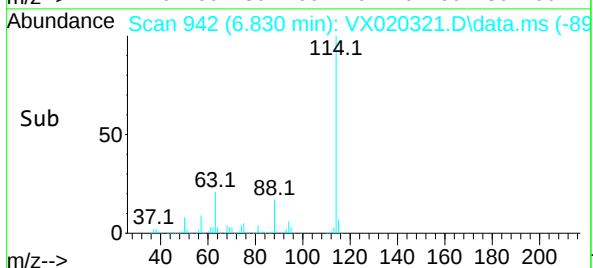
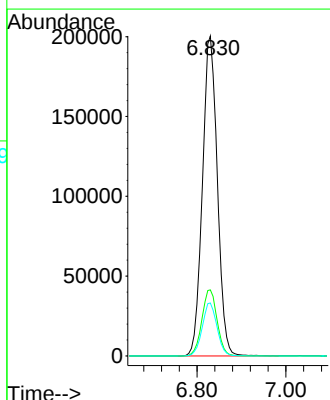
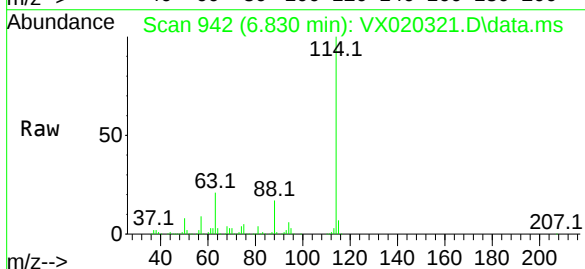
Instrument :
MSVOA_X
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FB-20201214

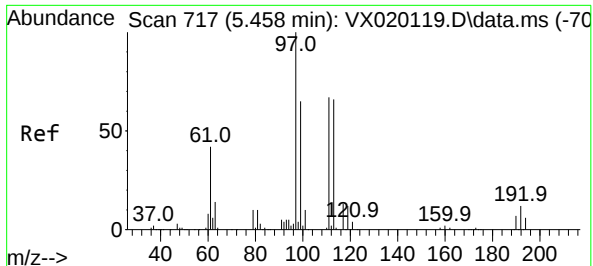
Tgt Ion: 65 Resp: 181502
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 114 Resp: 469062
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.6 0.0 32.8

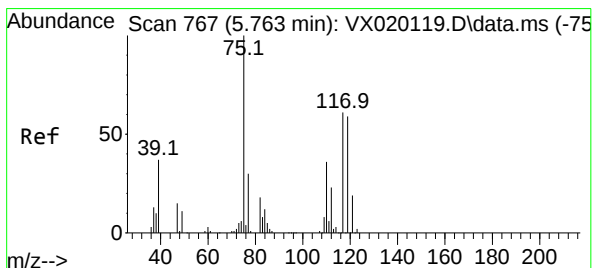
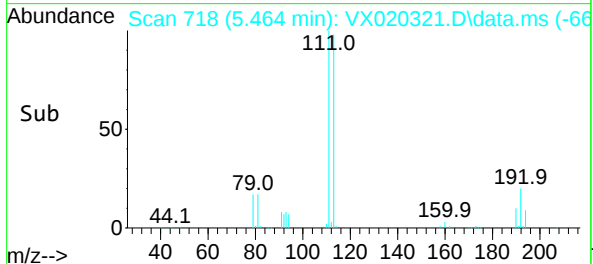
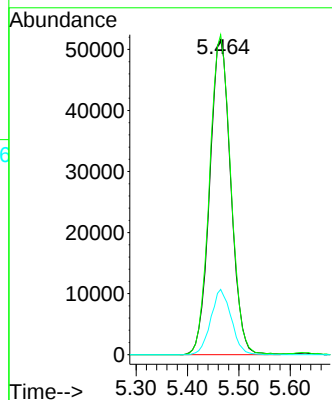
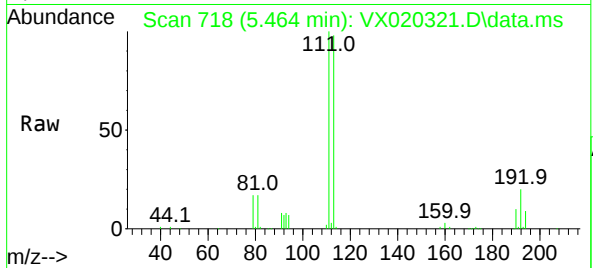




#35
Dibromofluoromethane
Concen: 49.01 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

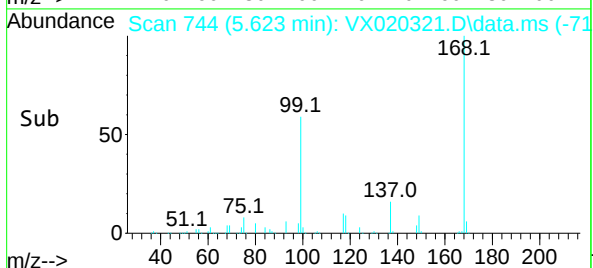
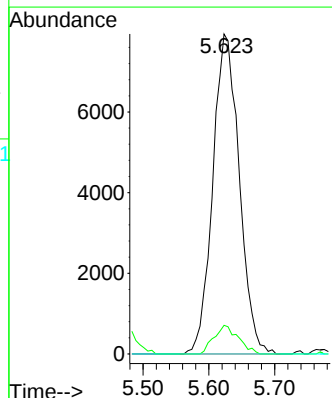
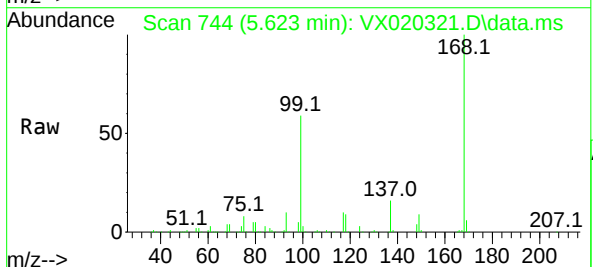
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

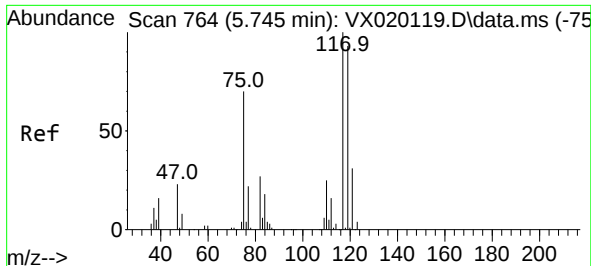
Tgt Ion:113 Resp: 147046
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.80 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

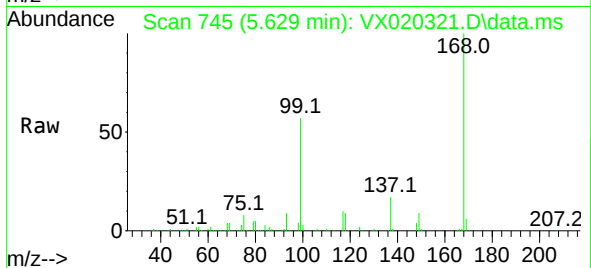
Tgt Ion: 75 Resp: 22229
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



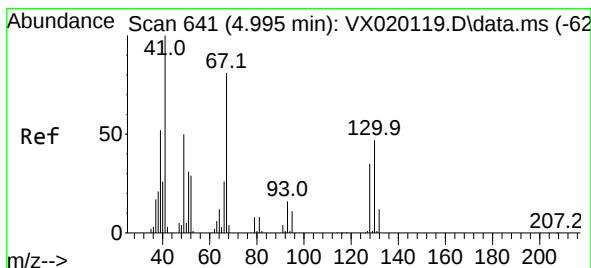
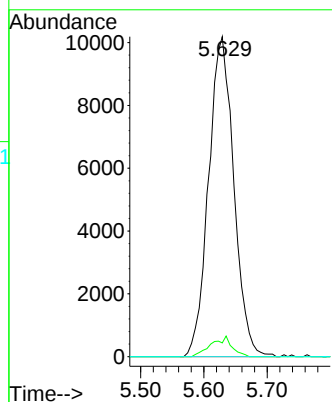
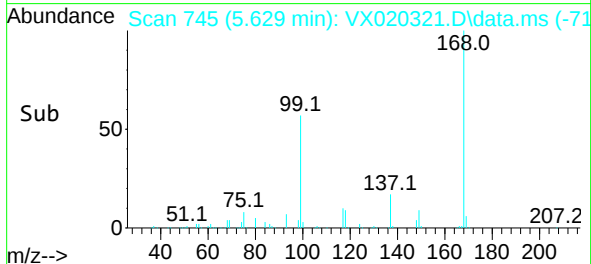


#38
Carbon Tetrachloride
Concen: 6.40 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

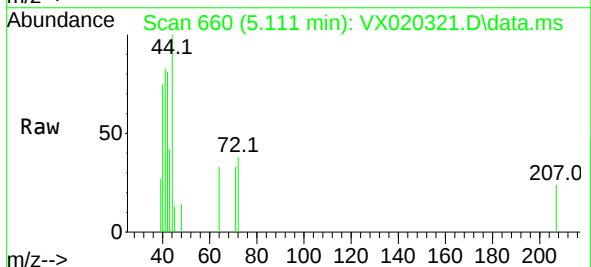
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214



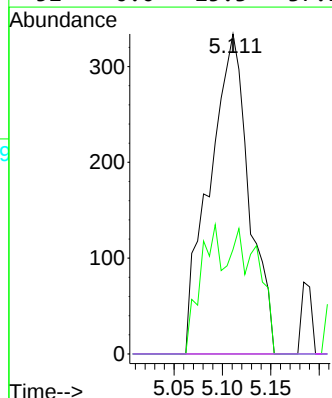
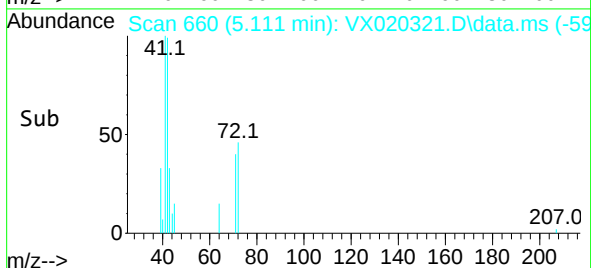
Tgt Ion:117 Resp: 28213
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#

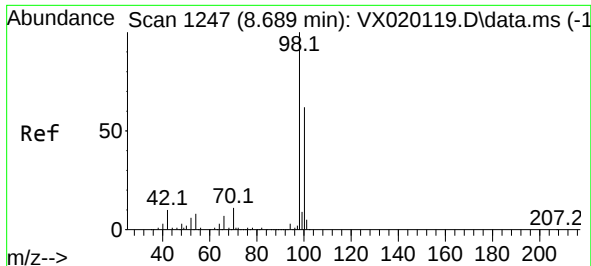


#41
Methacrylonitrile
Concen: 0.37 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.116 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53



Tgt Ion: 41 Resp: 950
Ion Ratio Lower Upper
41 100
39 26.3 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

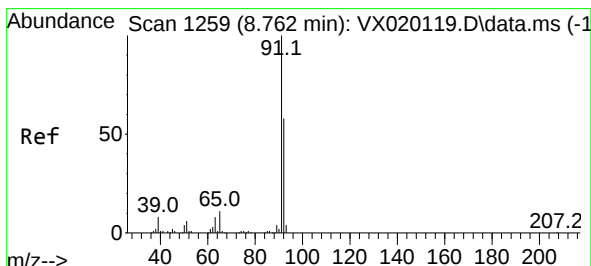
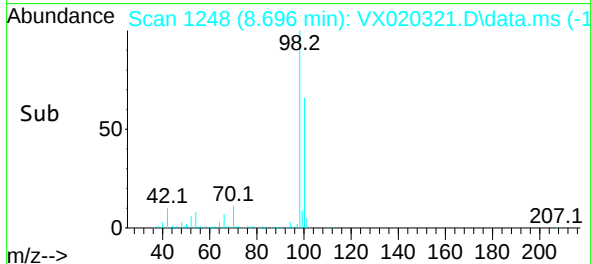
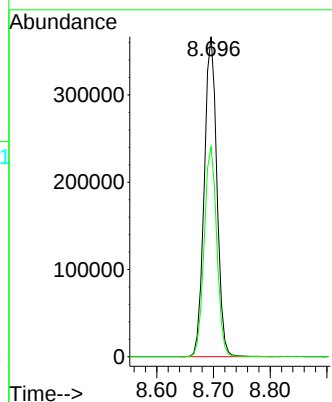
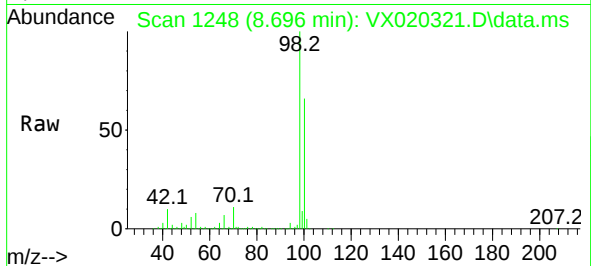




#50
Toluene-d8
Concen: 49.09 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

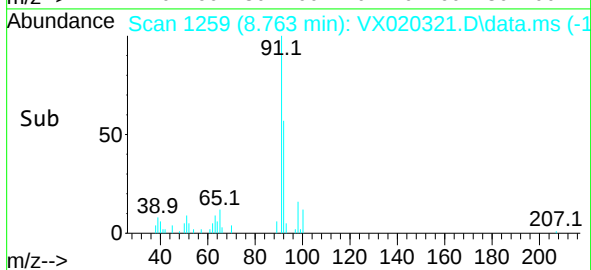
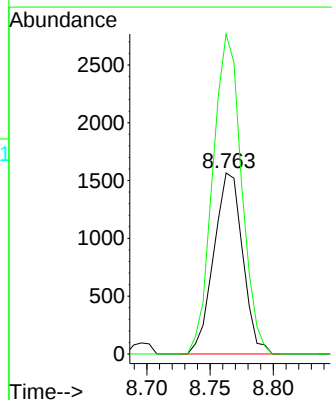
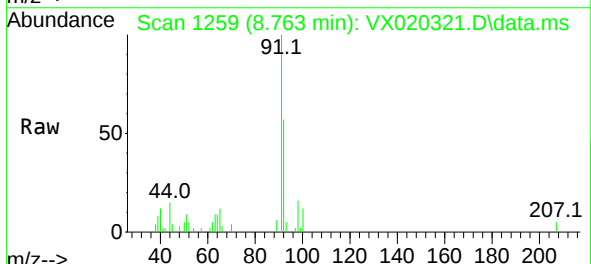
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

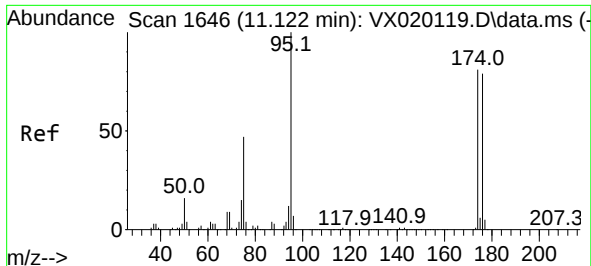
Tgt Ion: 98 Resp: 566973
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#52
Toluene
Concen: 0.28 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 92 Resp: 2490
Ion Ratio Lower Upper
92 100
91 175.5 137.1 205.7

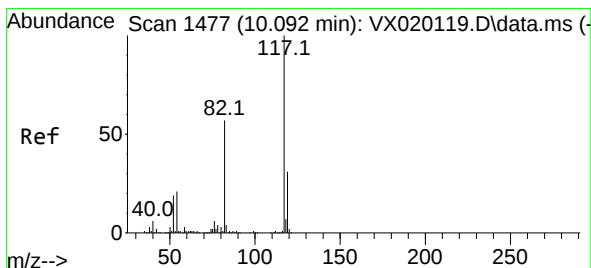
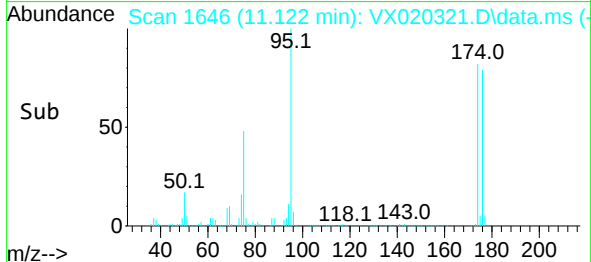
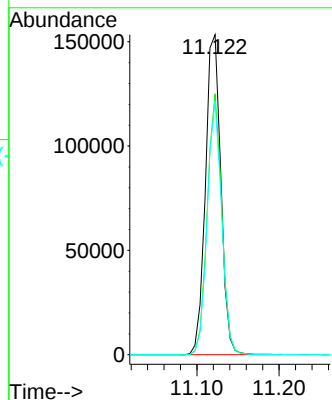
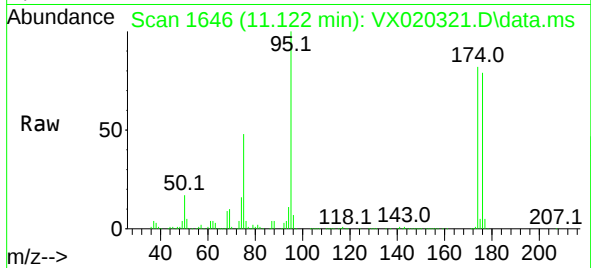




#62
4-Bromofluorobenzene
Concen: 45.08 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

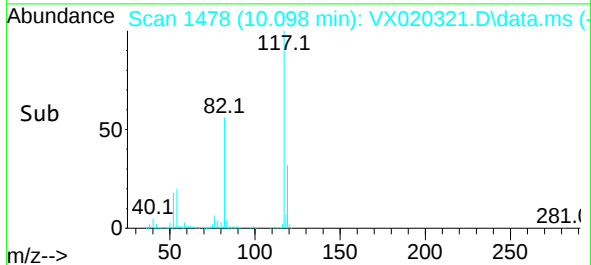
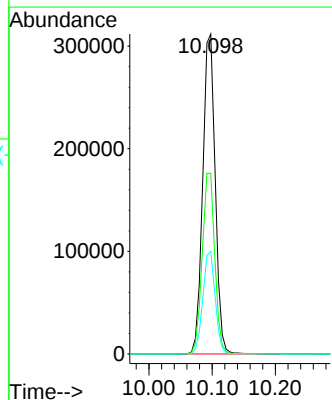
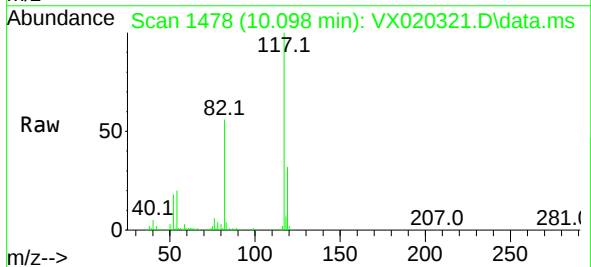
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

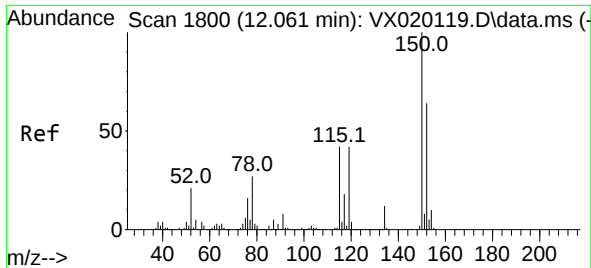
Tgt Ion: 95 Resp: 199285
Ion Ratio Lower Upper
95 100
174 77.3 0.0 154.6
176 74.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 117 Resp: 429179
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 32.1 26.6 39.8

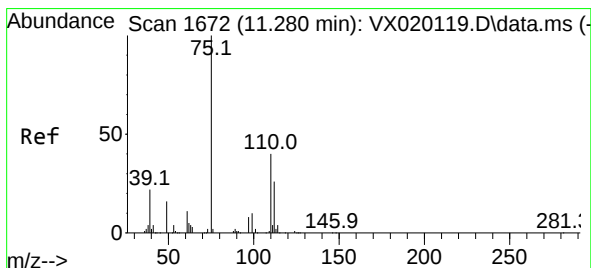
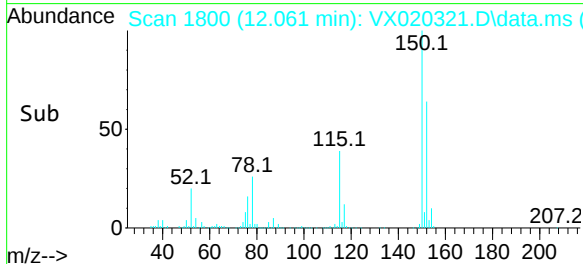
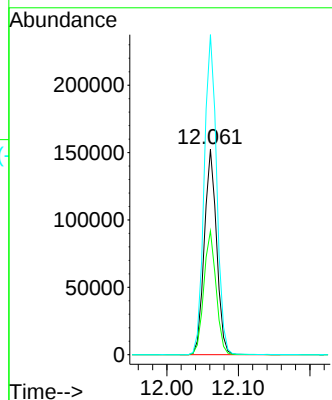
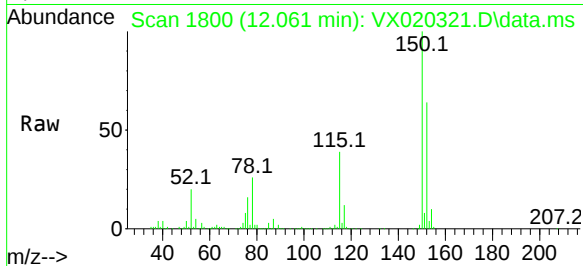




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

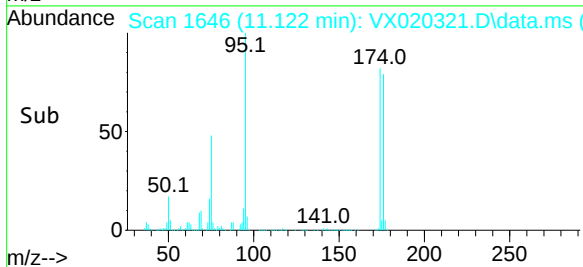
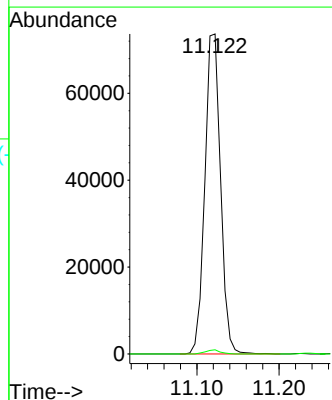
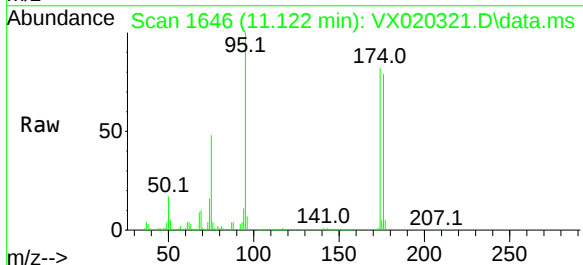
Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

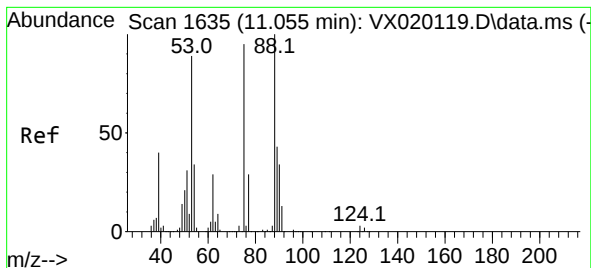
Tgt Ion:152 Resp: 181934
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 158.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.76 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 75 Resp: 97523
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

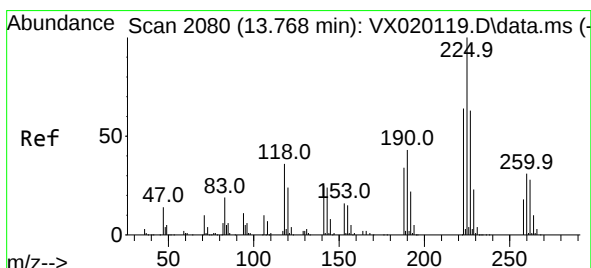
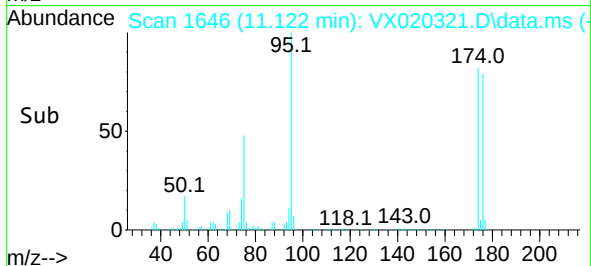
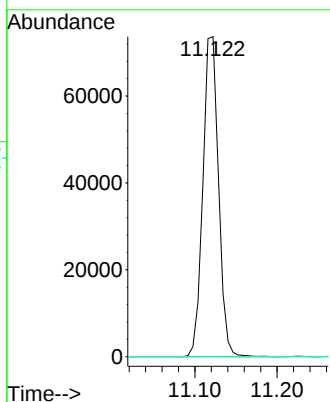
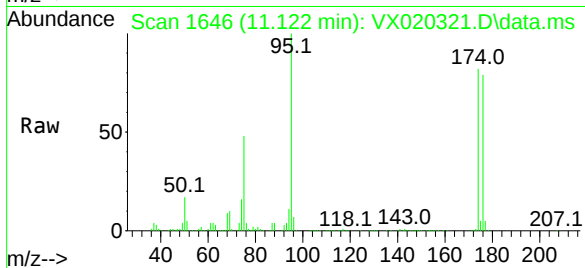




#81
trans-1,4-Dichloro-2-butene
Concen: 64.56 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Instrument :
MSVOA_X
ClientSampleId :
FB-20201214

Tgt Ion: 75 Resp: 97523
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.72 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. -0.000 min
Lab File: VX020321.D
Acq: 22 Dec 2020 22:53

Tgt Ion: 225 Resp: 132
Ion Ratio Lower Upper
225 100
223 64.4 31.1 93.2
227 62.9 31.6 95.0

