

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020727.D
 Acq On : 25 Jan 2021 16:12
 Operator : JC/SP
 Sample : M1192-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

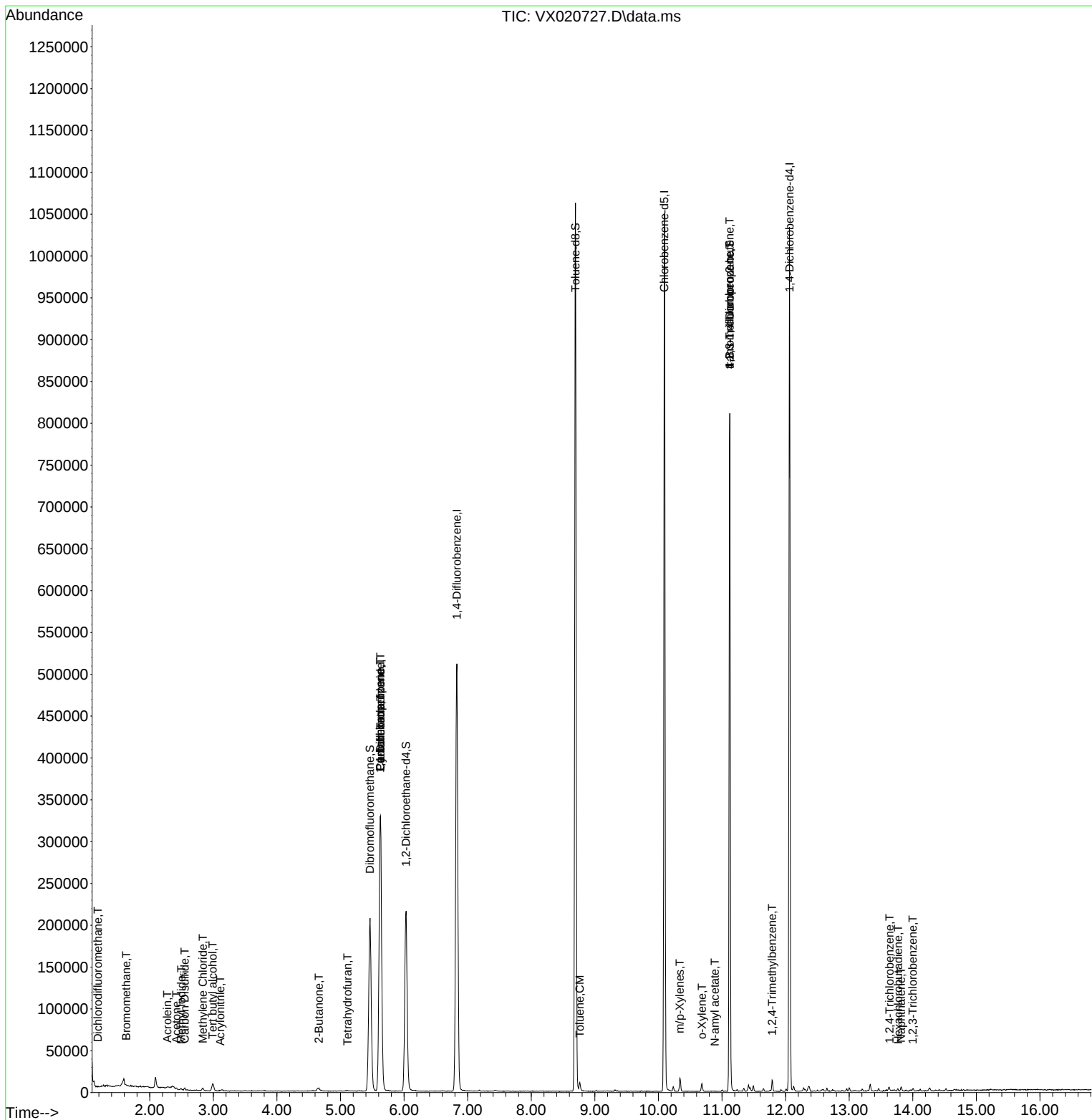
Quant Time: Jan 26 03:08:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

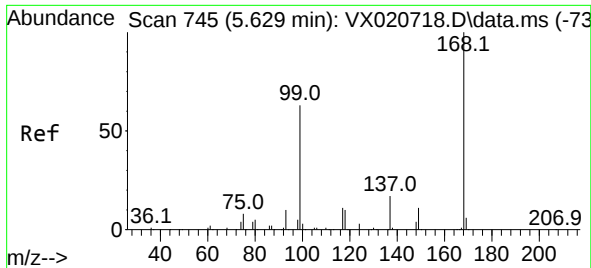
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	307708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	519069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	479804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	206581	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	209210	49.85	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.70%		
35) Dibromofluoromethane	5.465	113	176560	49.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.32%		
50) Toluene-d8	8.696	98	643009	49.33	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.66%		
62) 4-Bromofluorobenzene	11.122	95	222582	43.97	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.94%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	215	1.24	ug/l #	23
5) Bromomethane	1.630	94	781	0.38	ug/l	99
10) Methyl Iodide	2.496	142	1779	0.42	ug/l #	86
11) Tert butyl alcohol	2.989	59	4631	5.91	ug/l #	73
13) Acrolein	2.276	56	292	0.49	ug/l #	26
15) Acrylonitrile	3.111	53	561	0.28	ug/l #	76
16) Acetone	2.416	43	2349	1.48	ug/l	92
17) Carbon Disulfide	2.550	76	3046	1.22	ug/l #	92
20) Methylene Chloride	2.837	84	1371	0.34	ug/l #	83
25) 2-Butanone	4.660	43	506	0.20	ug/l #	45
29) Tetrahydrofuran	5.111	42	504	0.31	ug/l #	70
31) Cyclohexane	5.629	56	6626	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	23742	4.56	ug/l #	50
38) Carbon Tetrachloride	5.629	117	31949	5.83	ug/l #	17
52) Toluene	8.763	92	3250	0.34	ug/l	96
68) m/p-Xylenes	10.336	106	3564	0.53	ug/l	94
69) o-Xylene	10.683	106	1941	0.31	ug/l	98
74) N-amyl acetate	10.884	43	83	2.03	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	110549	23.07	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	110549	64.66	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.787	105	5889	0.46	ug/l	92
93) 1,2,4-Trichlorobenzene	13.634	180	874	0.20	ug/l	94
94) Hexachlorobutadiene	13.768	225	507	0.25	ug/l	82
95) Naphthalene	13.817	128	3220	3.06	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.000	180	848	0.20	ug/l	92

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

Quant Time: Jan 26 03:08:44 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:38:15 2021
Response via : Initial Calibration

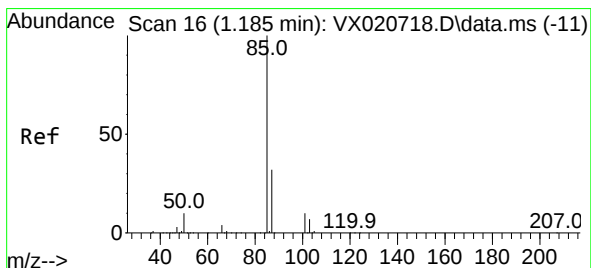
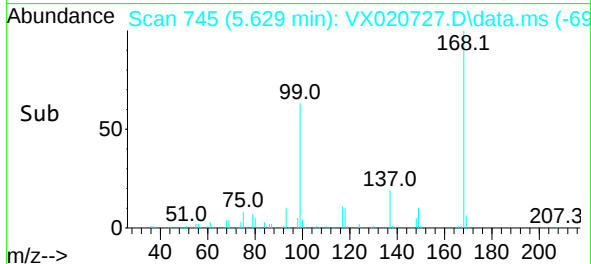
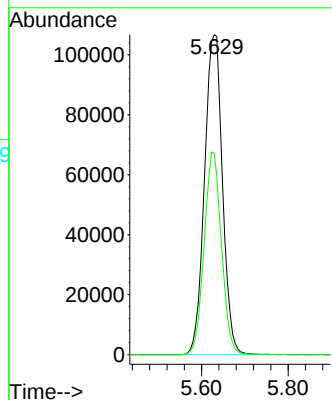
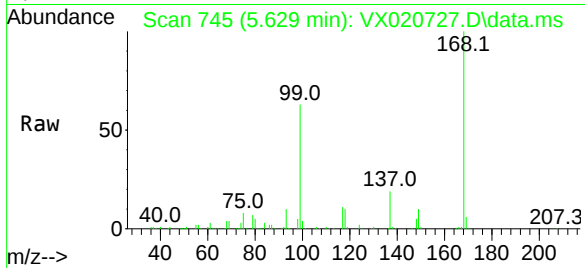




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

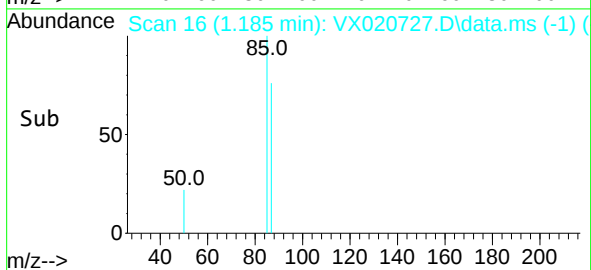
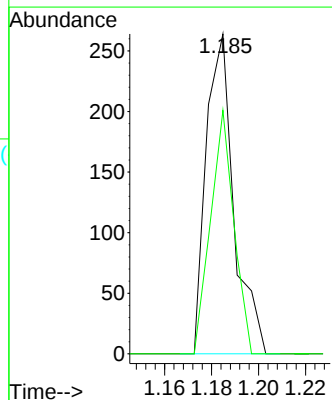
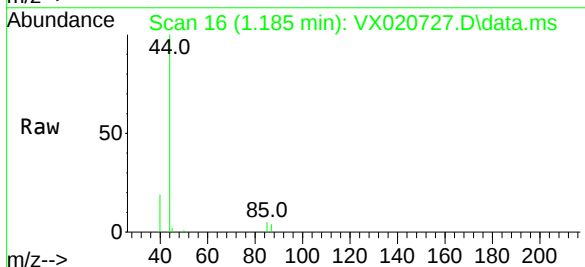
Instrument :
MSVOA_X
ClientSampled :

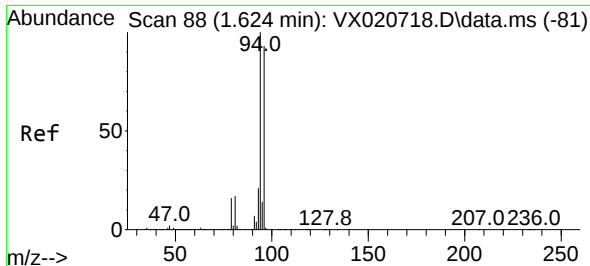
Tgt Ion:168 Resp: 307708
Ion Ratio Lower Upper
168 100
99 62.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.24 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 85 Resp: 215
Ion Ratio Lower Upper
85 100
87 76.1 16.4 49.2#

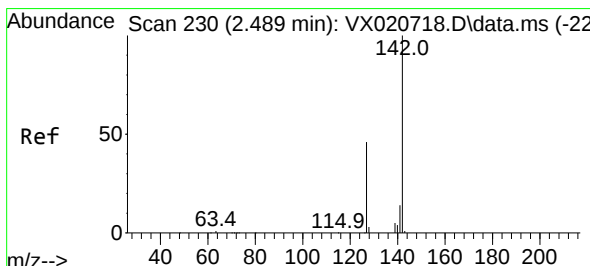
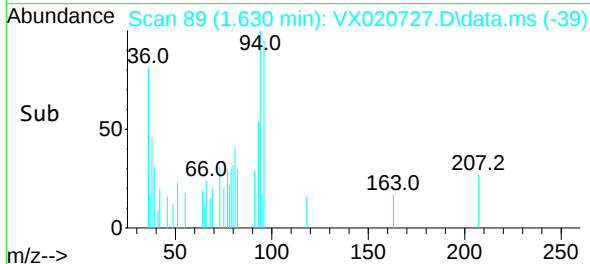
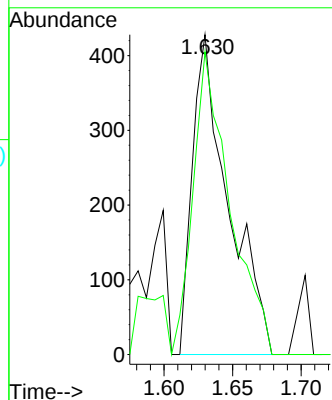
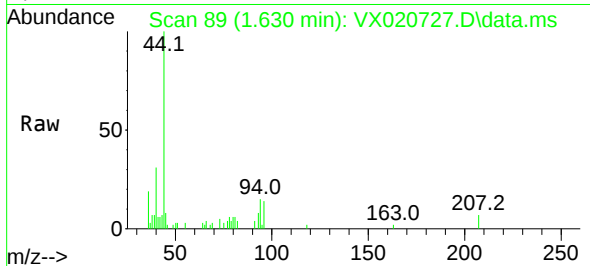




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

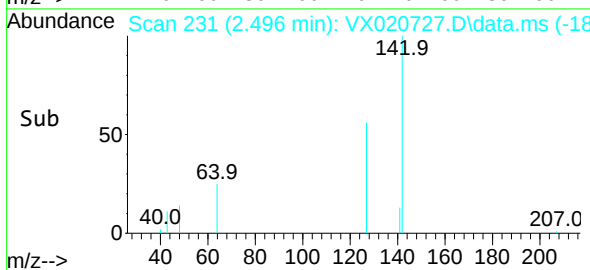
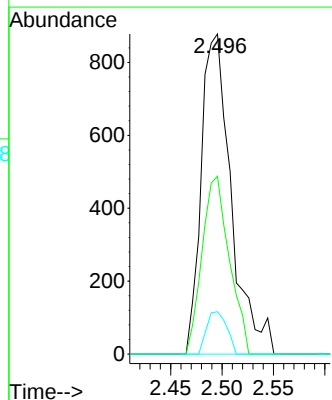
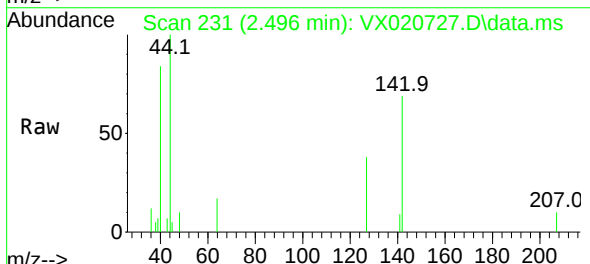
Instrument :
MSVOA_X
ClientSampleId :

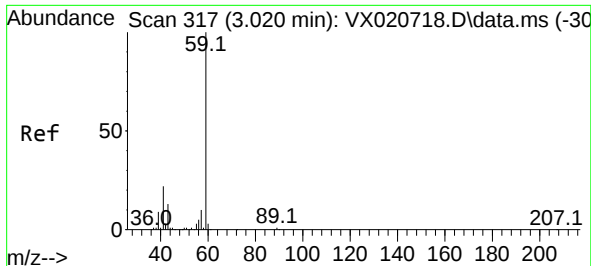
Tgt Ion: 94 Resp: 781
Ion Ratio Lower Upper
94 100
96 94.6 76.4 114.6



#10
Methyl Iodide
Concen: 0.42 ug/l
RT: 2.496 min Scan# 231
Delta R.T. 0.007 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion:142 Resp: 1779
Ion Ratio Lower Upper
142 100
127 50.6 33.3 49.9#
141 8.9 11.4 17.0#



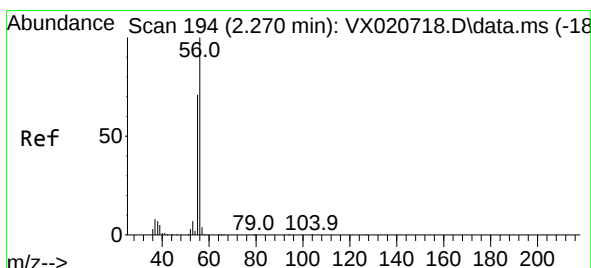
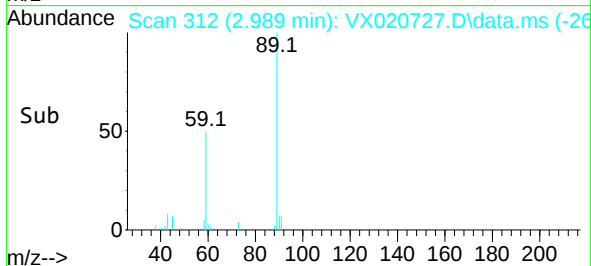
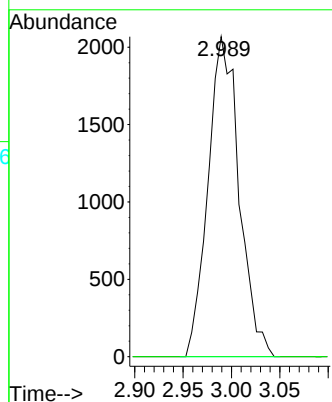
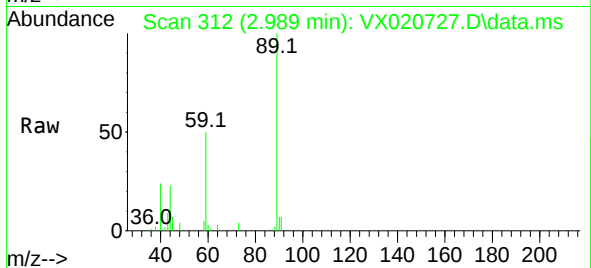


#11

Tert butyl alcohol
Concen: 5.91 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.031 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Instrument :
MSVOA_X
ClientSampled :

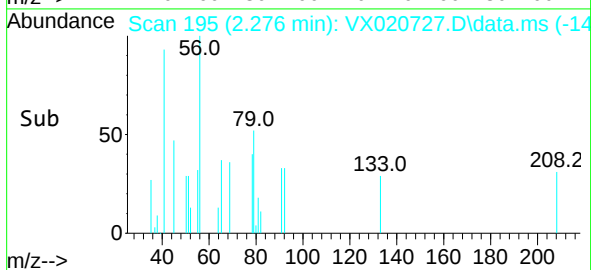
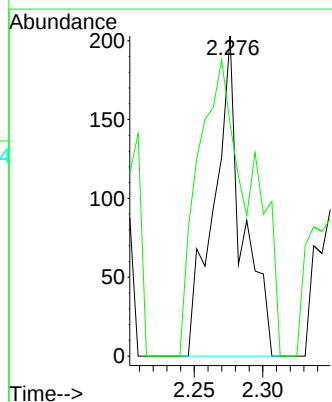
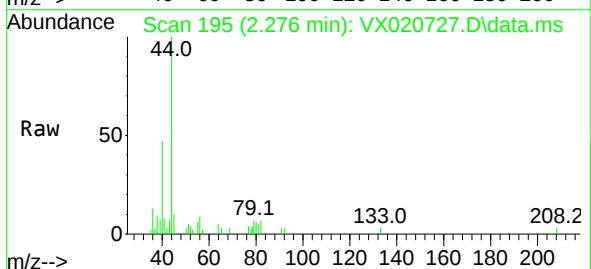
Tgt Ion: 59 Resp: 4631
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

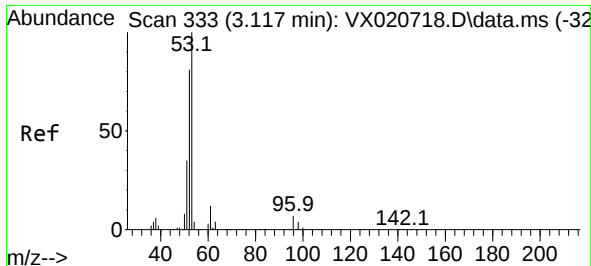


#13

Acrolein
Concen: 0.49 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 131.8 56.4 84.6#

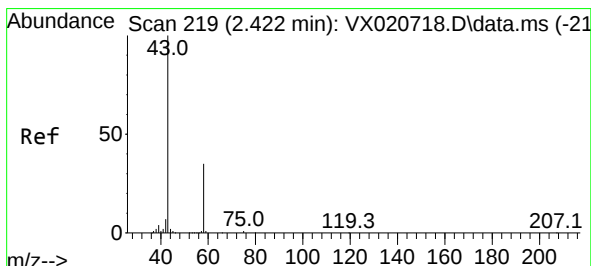
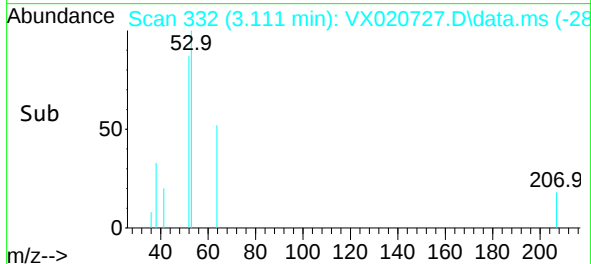
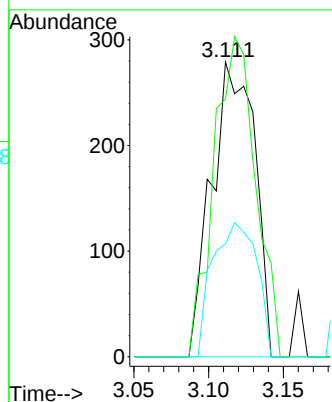
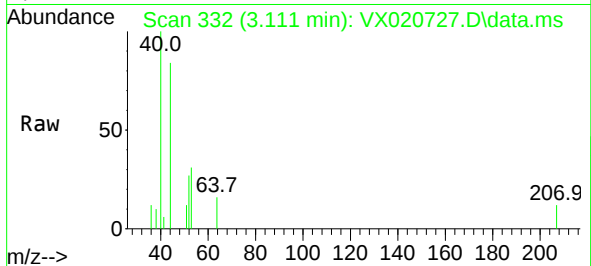




#15
Acrylonitrile
Concen: 0.28 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

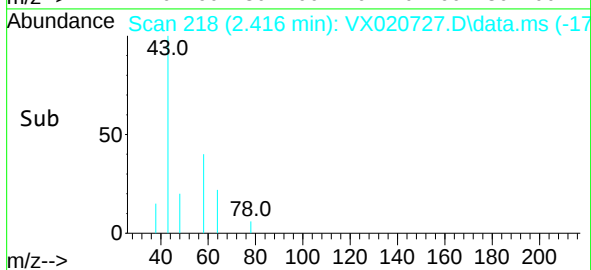
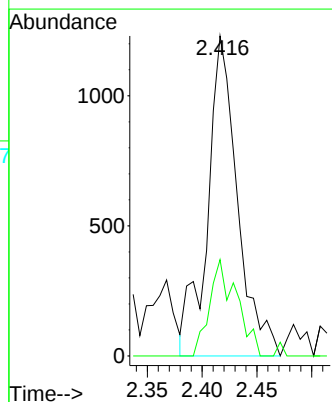
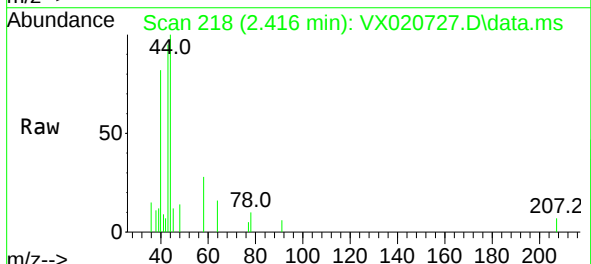
Instrument :
MSVOA_X
ClientSampleId :

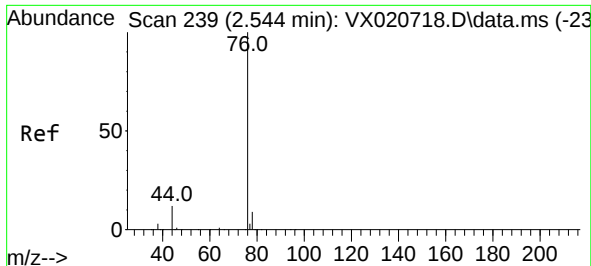
Tgt Ion: 53 Resp: 561
Ion Ratio Lower Upper
53 100
52 105.2 65.3 97.9#
51 46.3 28.2 42.2#



#16
Acetone
Concen: 1.48 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 43 Resp: 2349
Ion Ratio Lower Upper
43 100
58 30.1 27.8 41.8

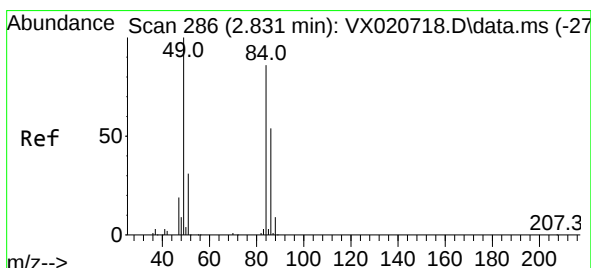
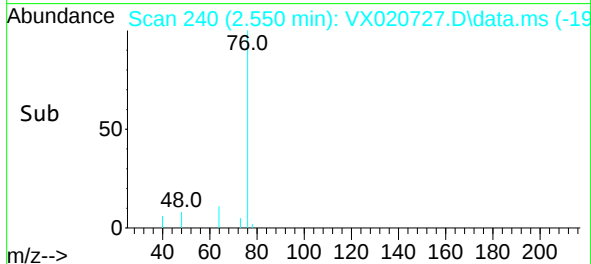
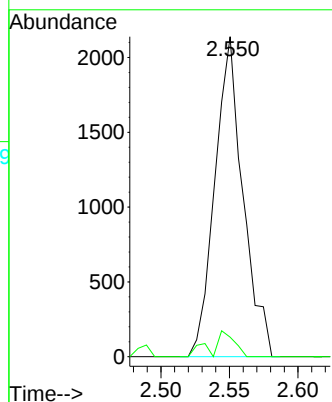
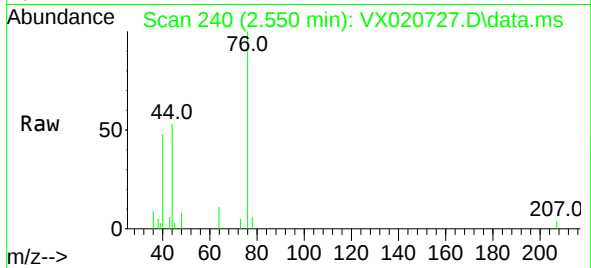




#17
Carbon Disulfide
Concen: 1.22 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

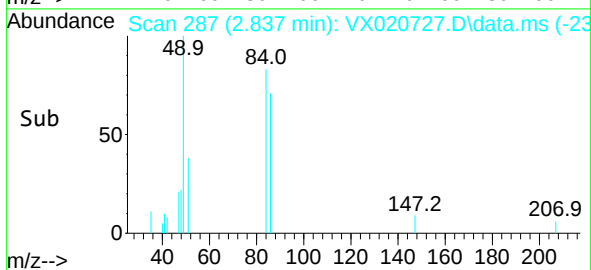
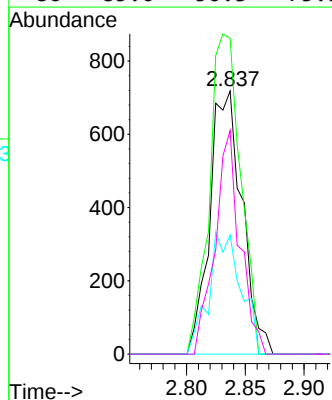
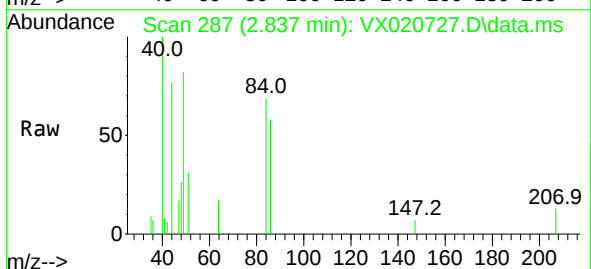
Instrument :
MSVOA_X
ClientSampled :

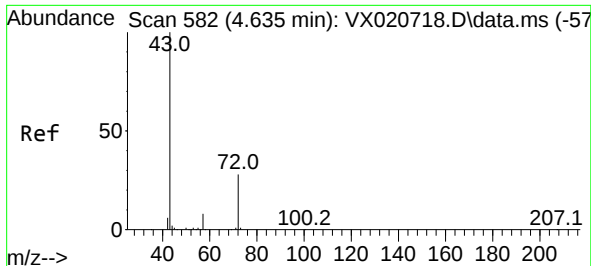
Tgt Ion: 76 Resp: 3046
Ion Ratio Lower Upper
76 100
78 6.1 7.2 10.8#



#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 84 Resp: 1371
Ion Ratio Lower Upper
84 100
49 120.1 88.6 132.8
51 45.3 27.0 40.6#
86 85.0 50.3 75.5#

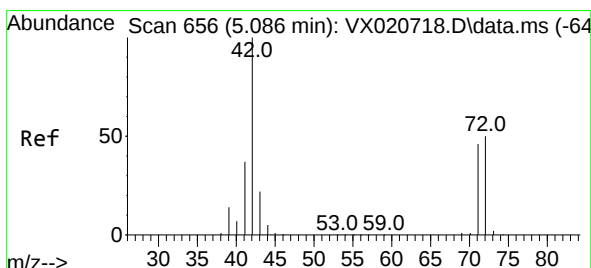
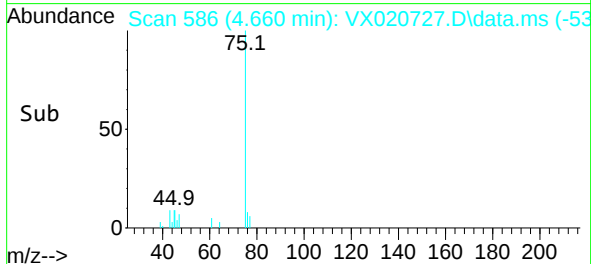
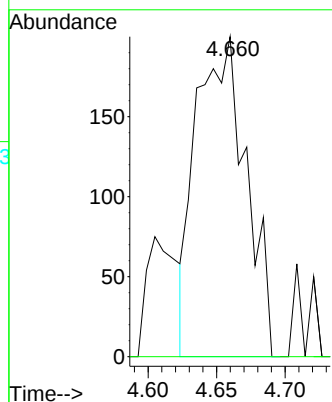
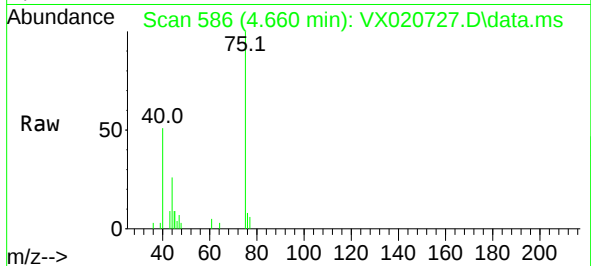




#25
2-Butanone
Concen: 0.20 ug/l
RT: 4.660 min Scan# 586
Delta R.T. 0.025 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

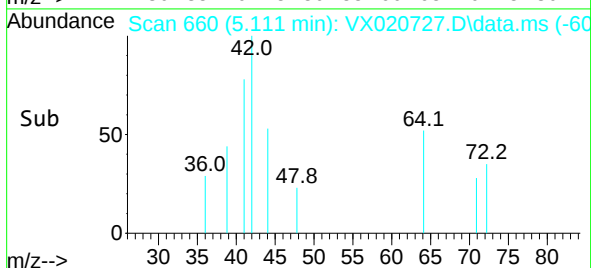
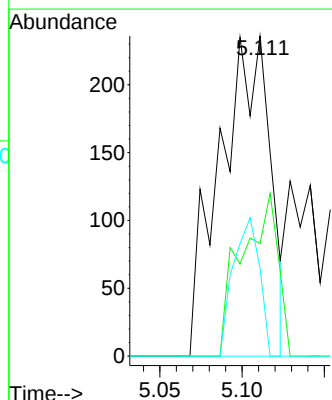
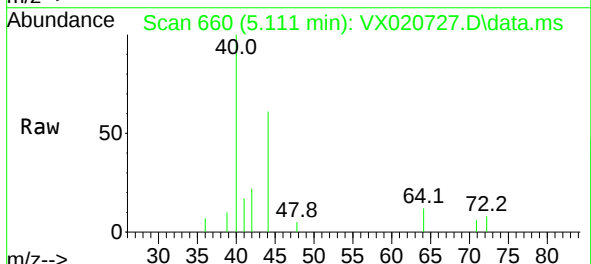
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MSVOA_X
ClientSampled :

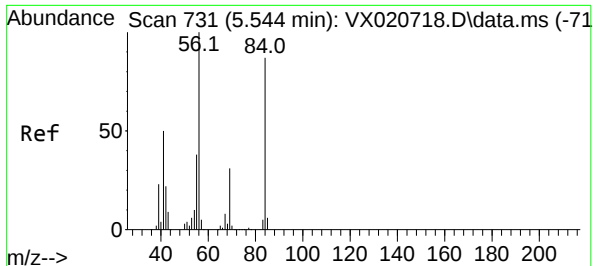
Tgt Ion: 43 Resp: 506
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.025 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 42 Resp: 504
Ion Ratio Lower Upper
42 100
72 36.3 41.7 62.5#
71 22.4 38.4 57.6#





#31

Cyclohexane

Concen: 1.17 ug/l

RT: 5.629 min Scan# 745

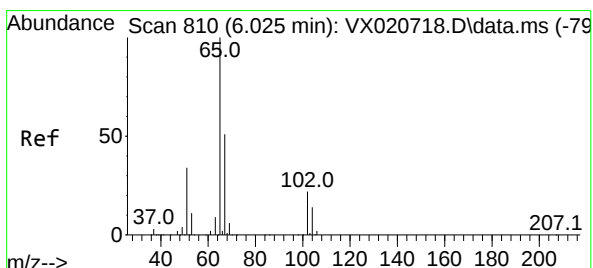
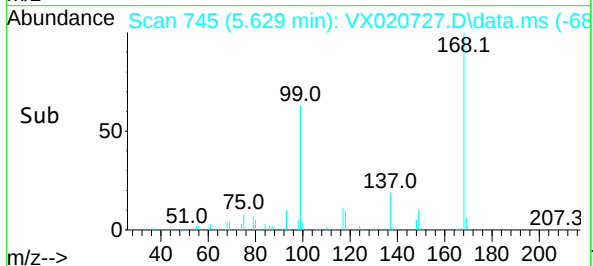
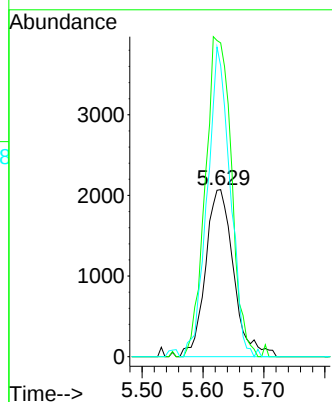
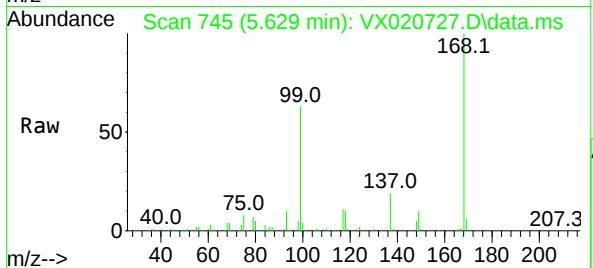
Delta R.T. 0.085 min

Lab File: VX020727.D

Acq: 25 Jan 2021 16:12

Tgt Ion:	56	Resp:	6626
Ion Ratio	Lower	Upper	
56	100		
69	187.9	25.3	37.9#
84	174.2	71.4	107.0#

Instrument :
MSVOA_X
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 49.85 ug/l

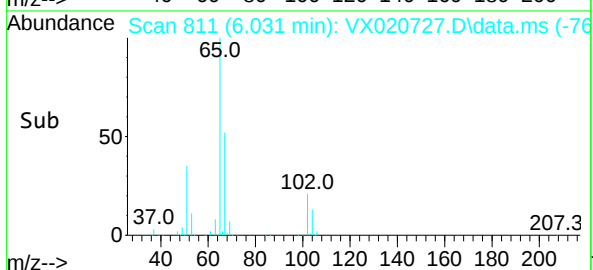
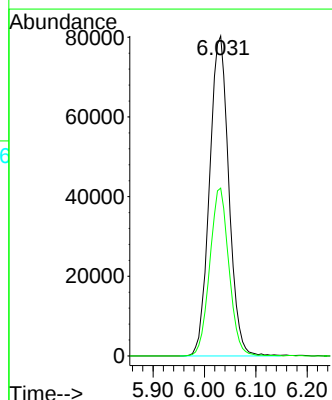
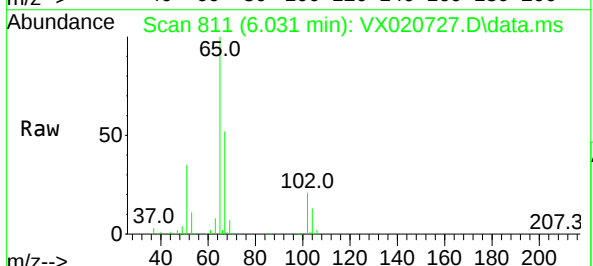
RT: 6.031 min Scan# 811

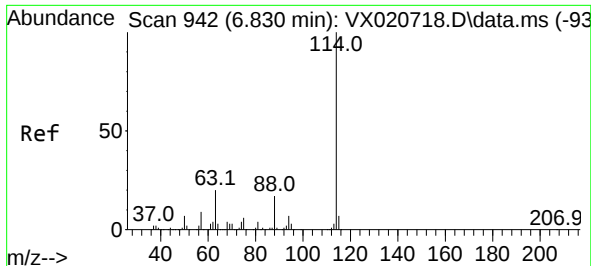
Delta R.T. 0.006 min

Lab File: VX020727.D

Acq: 25 Jan 2021 16:12

Tgt Ion:	65	Resp:	209210
Ion Ratio	Lower	Upper	
65	100		
67	52.1	0.0	105.4

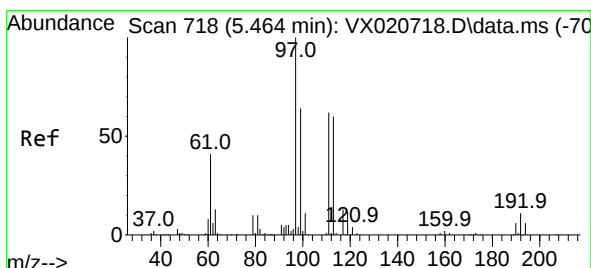
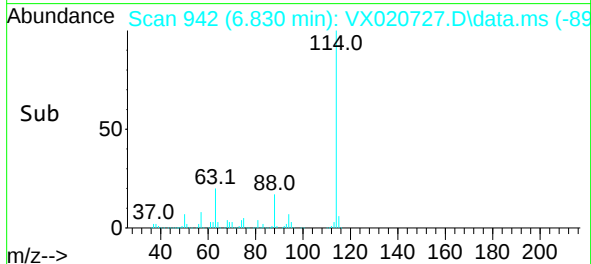
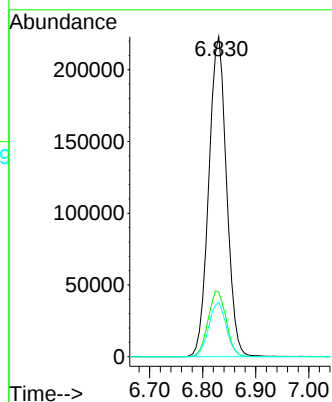
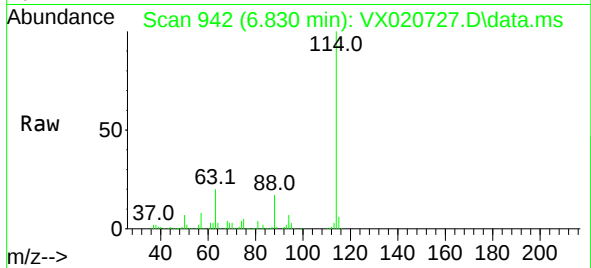




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

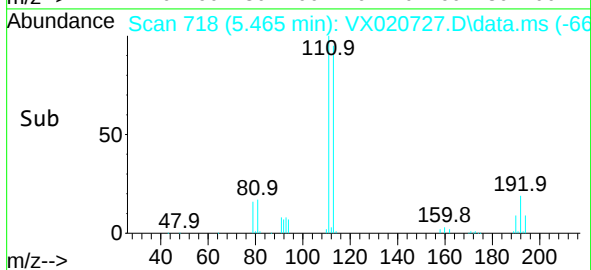
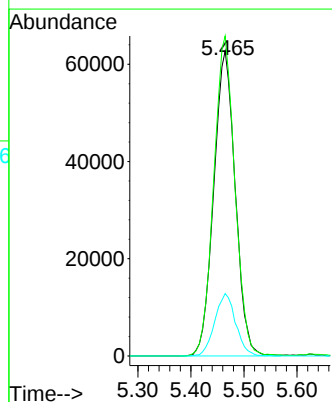
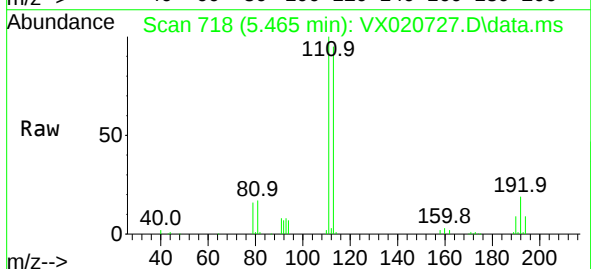
Instrument :
MSVOA_X
ClientSampled :

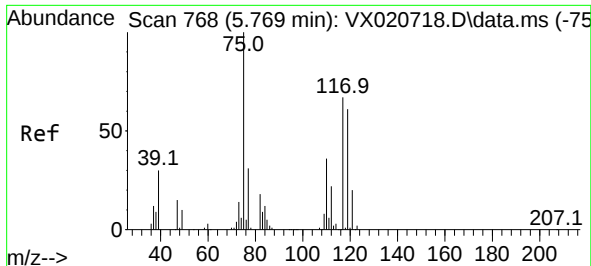
Tgt Ion:114 Resp: 519069
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.66 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.001 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

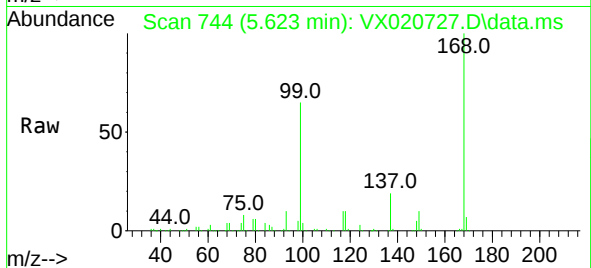
Tgt Ion:113 Resp: 176560
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.0 16.7 25.1



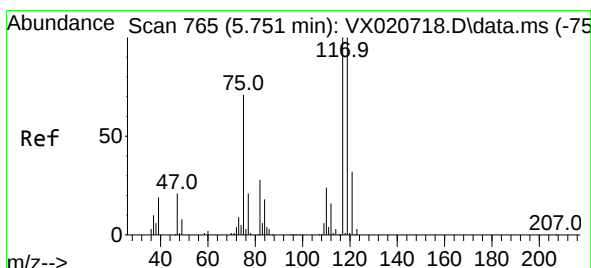
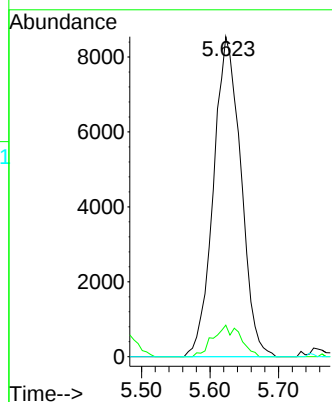
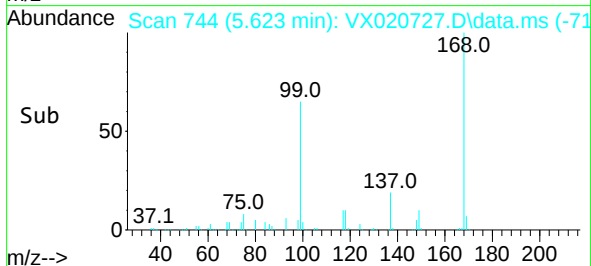


#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

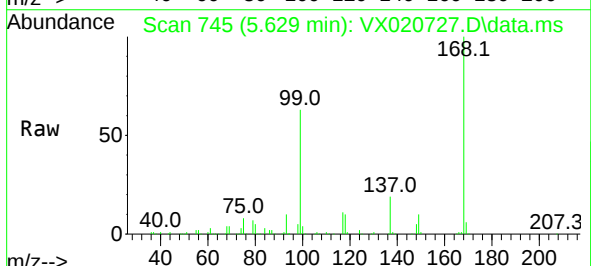
Instrument :
MSVOA_X
ClientSampleId :



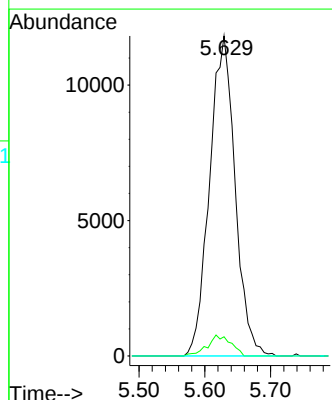
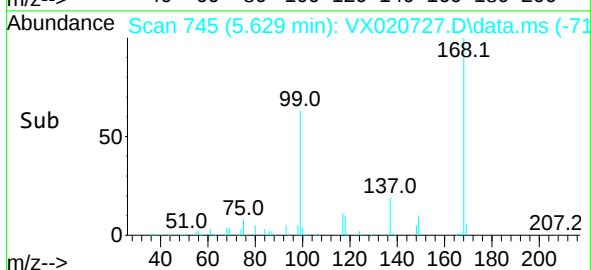
Tgt Ion: 75 Resp: 23742
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#

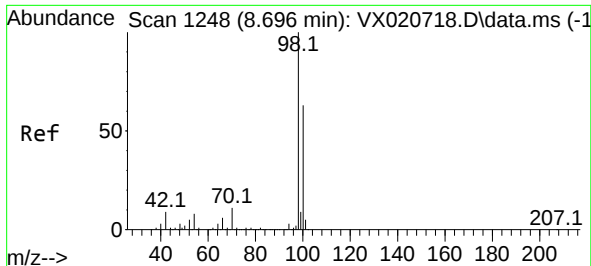


#38
Carbon Tetrachloride
Concen: 5.83 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12



Tgt Ion: 117 Resp: 31949
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.8 37.2#

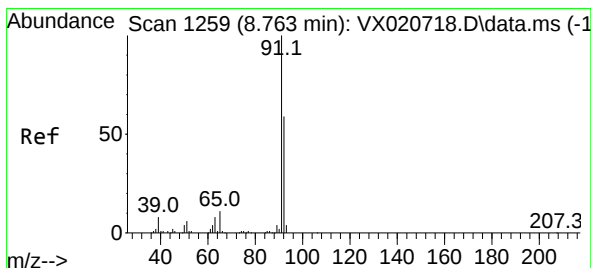
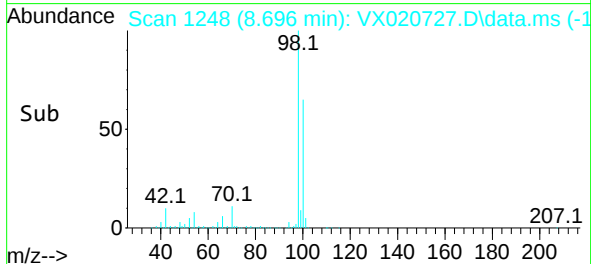
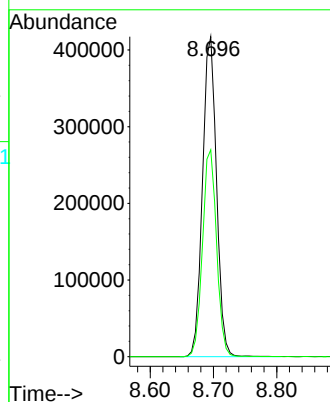
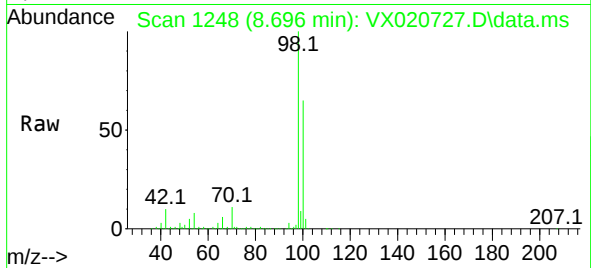




#50
Toluene-d8
Concen: 49.33 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

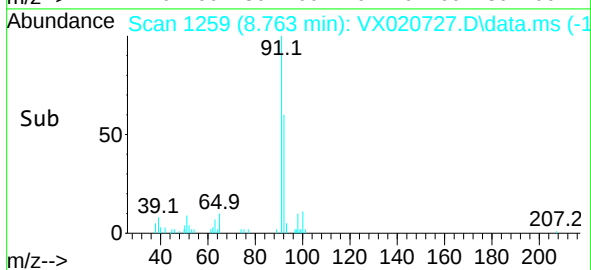
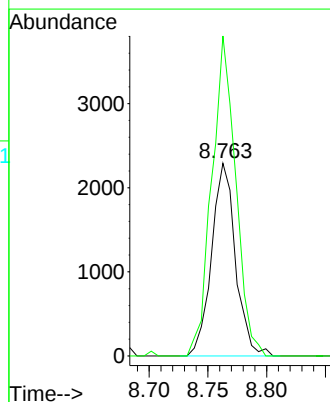
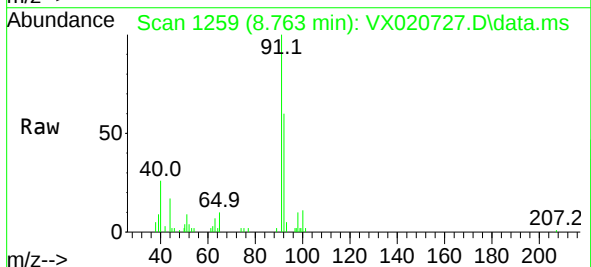
Instrument :
MSVOA_X
ClientSampled :

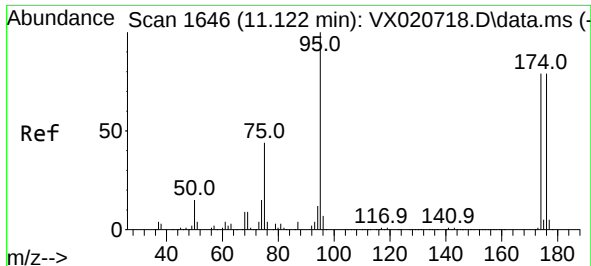
Tgt Ion: 98 Resp: 643009
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#52
Toluene
Concen: 0.34 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 92 Resp: 3250
Ion Ratio Lower Upper
92 100
91 166.2 137.1 205.7

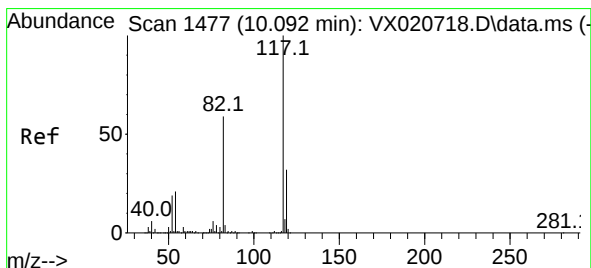
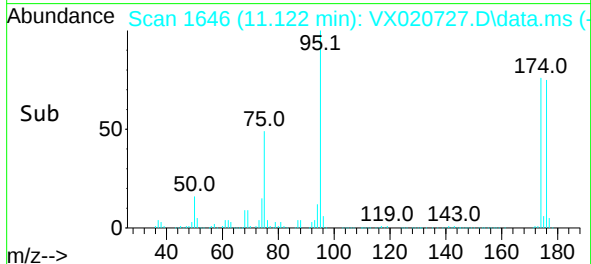
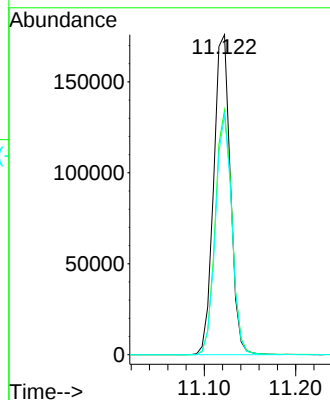
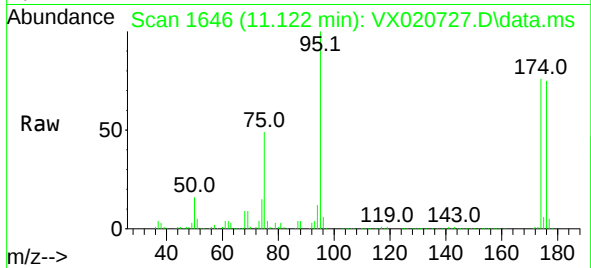




#62
4-Bromofluorobenzene
Concen: 43.97 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

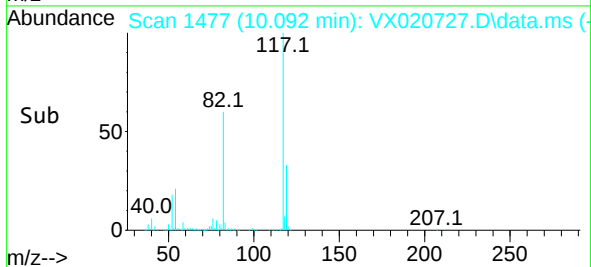
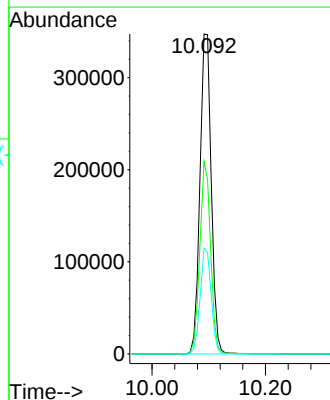
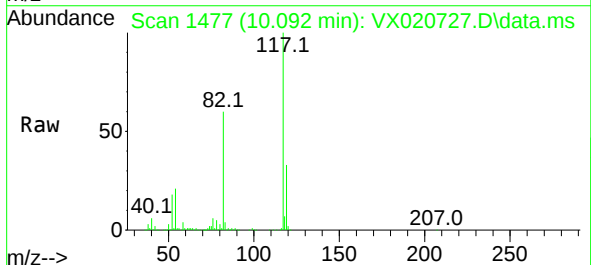
Instrument :
MSVOA_X
ClientSampleId :

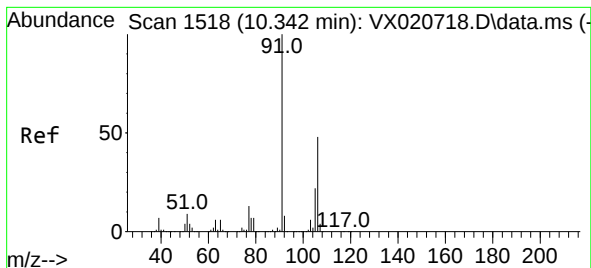
Tgt Ion: 95 Resp: 222582
Ion Ratio Lower Upper
95 100
174 76.4 0.0 154.6
176 73.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 117 Resp: 479804
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 33.0 26.6 39.8

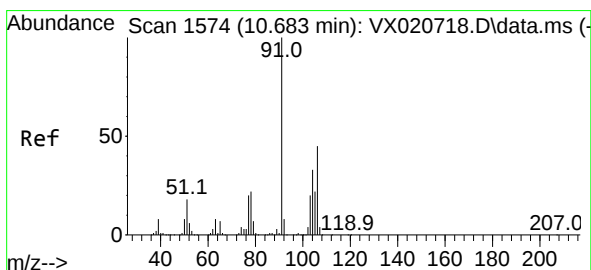
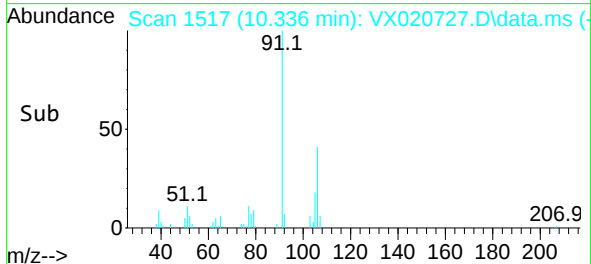
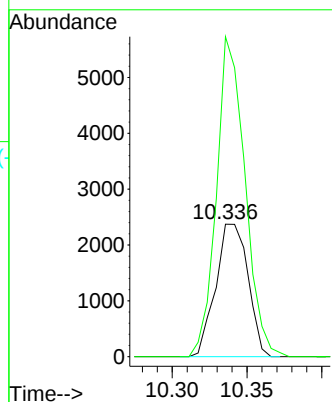
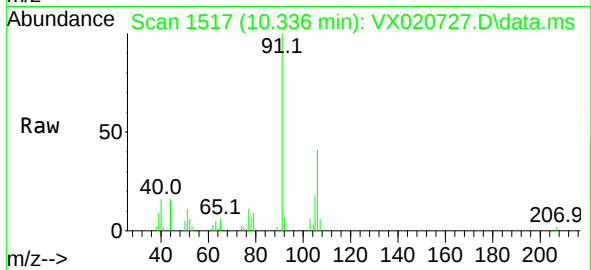




#68
m/p-Xylenes
Concen: 0.53 ug/l
RT: 10.336 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

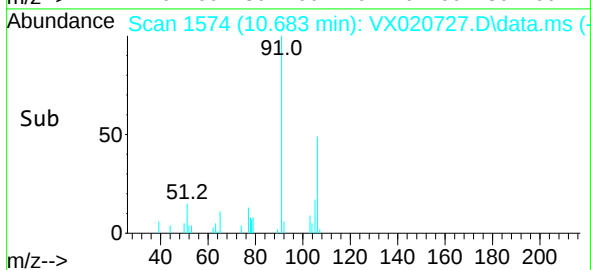
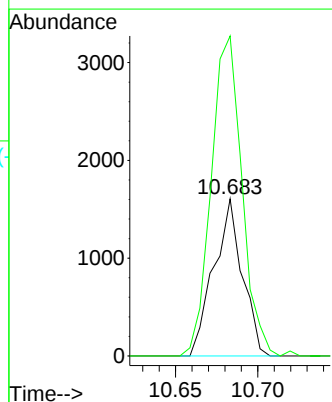
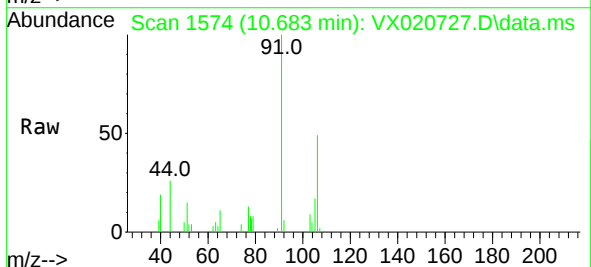
Instrument :
MSVOA_X
ClientSampleId :

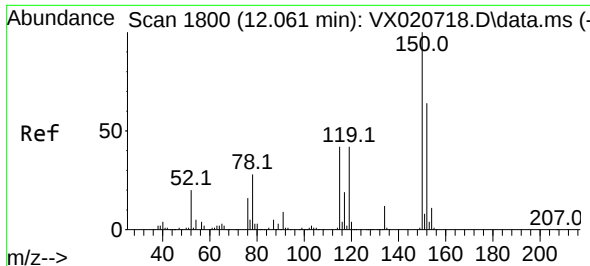
Tgt Ion:106 Resp: 3564
Ion Ratio Lower Upper
106 100
91 213.2 162.8 244.2



#69
o-Xylene
Concen: 0.31 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion:106 Resp: 1941
Ion Ratio Lower Upper
106 100
91 219.9 108.1 324.2

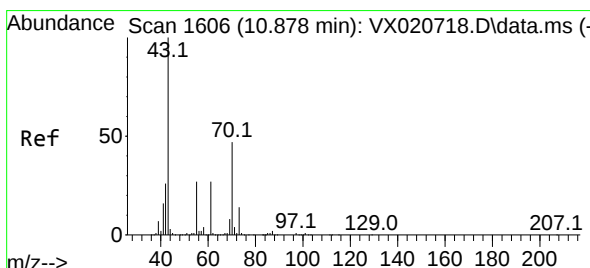
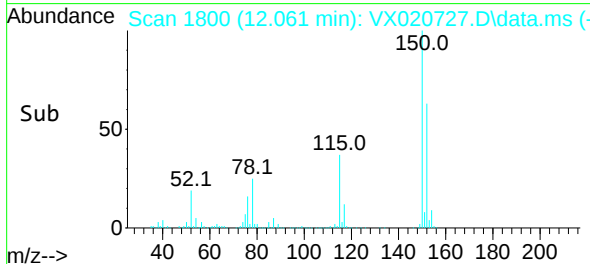
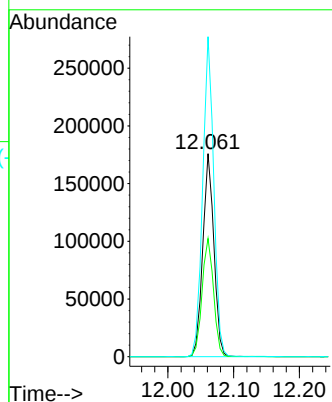
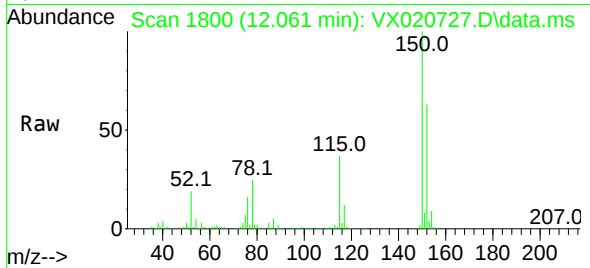




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

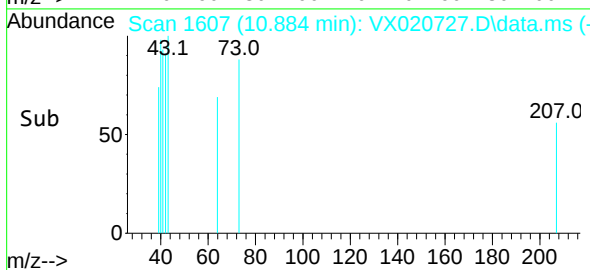
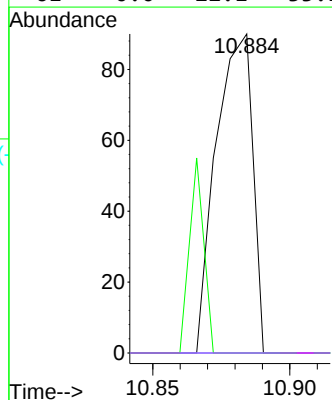
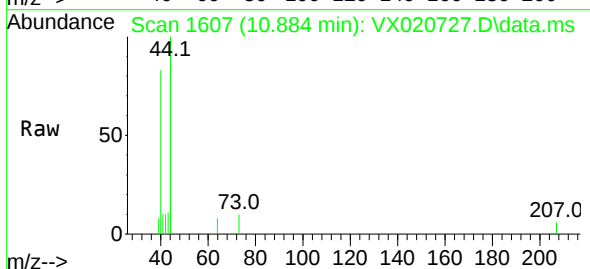
Instrument :
MSVOA_X
ClientSampled :

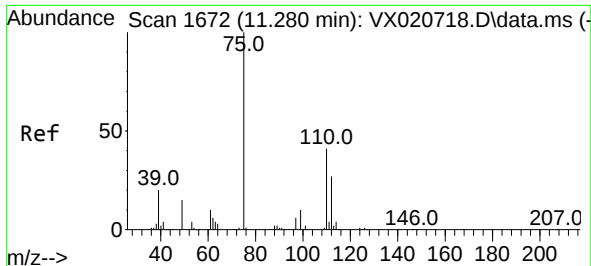
Tgt Ion:152 Resp: 206581
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 156.6 0.0 349.0



#74
N-ethyl acetate
Concen: 2.03 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

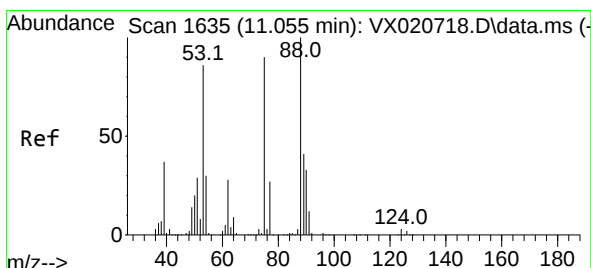
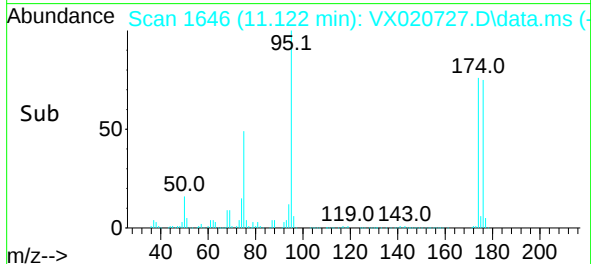
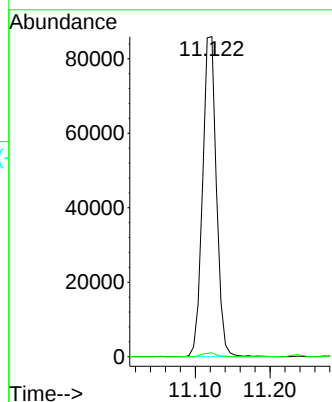
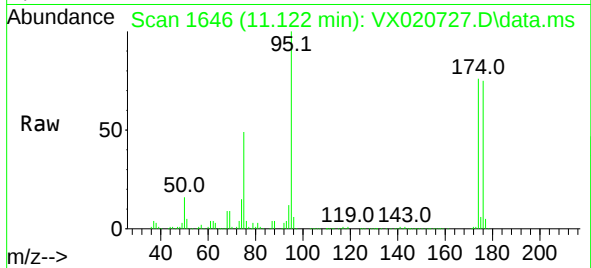




#76
1,2,3-Trichloropropane
Concen: 23.07 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

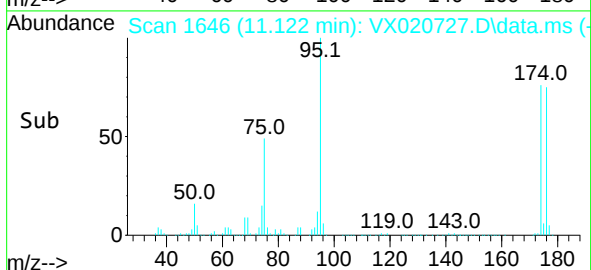
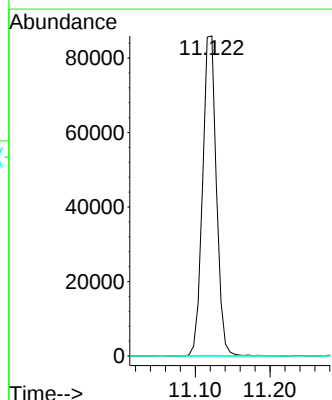
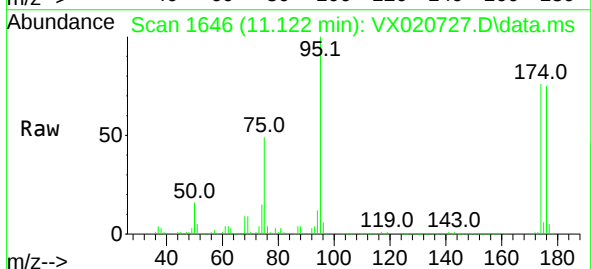
Instrument :
MSVOA_X
ClientSampled :

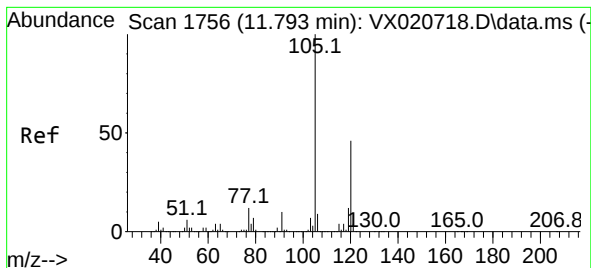
Tgt Ion: 75 Resp: 110549
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.66 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

Tgt Ion: 75 Resp: 110549
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

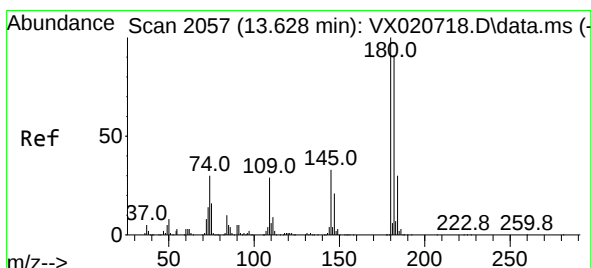
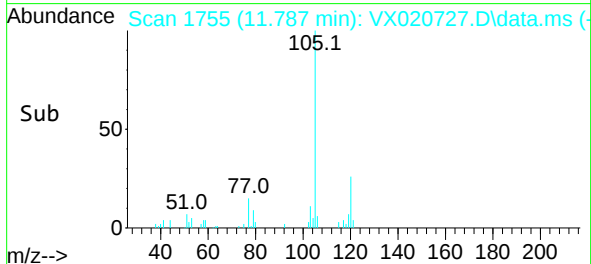
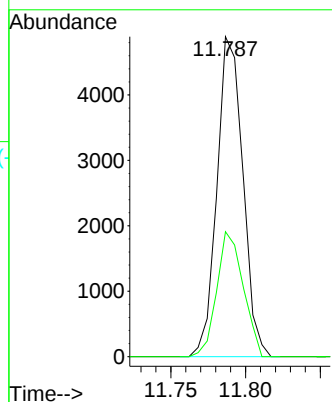
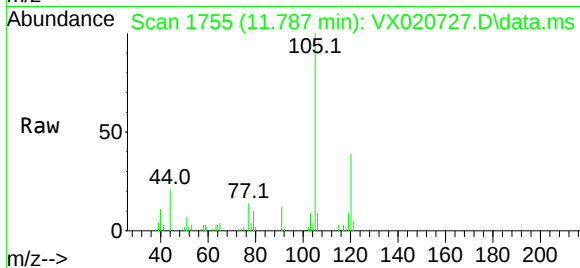




#84
1,2,4-Trimethylbenzene
Concen: 0.46 ug/l
RT: 11.787 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

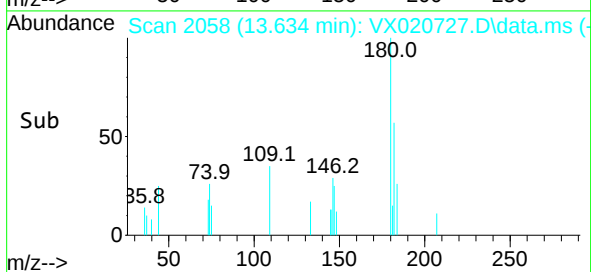
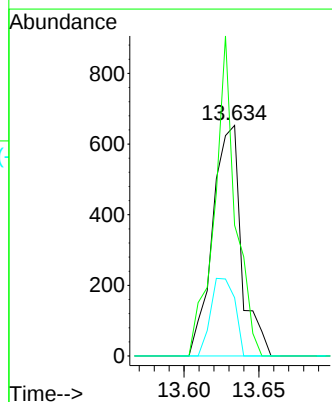
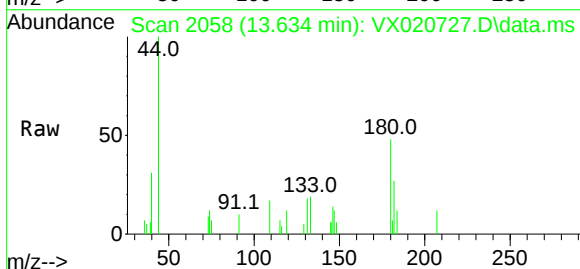
Instrument :
MSVOA_X
ClientSampled :

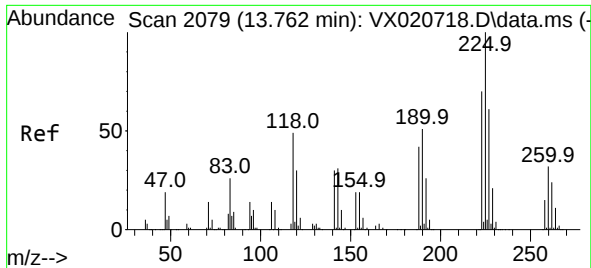
Tgt Ion:105 Resp: 5889
Ion Ratio Lower Upper
105 100
120 39.8 22.4 67.3



#93
1,2,4-Trichlorobenzene
Concen: 0.20 ug/l
RT: 13.634 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

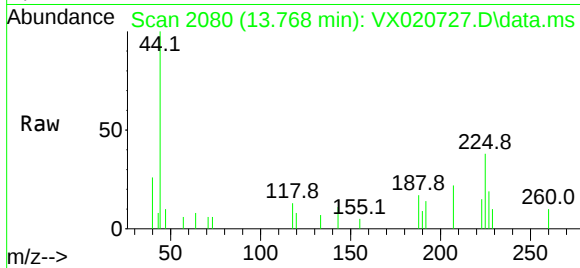
Tgt Ion:180 Resp: 874
Ion Ratio Lower Upper
180 100
182 101.6 47.7 143.1
145 28.3 15.0 45.0



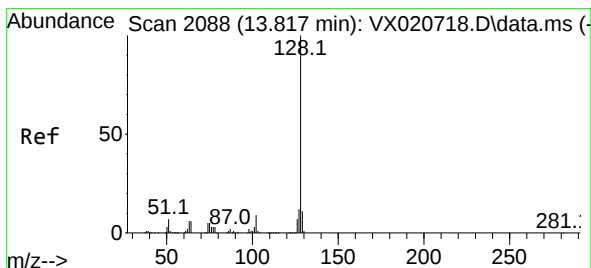
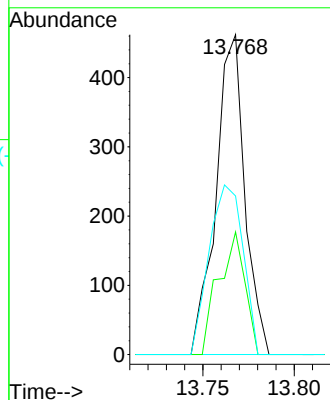
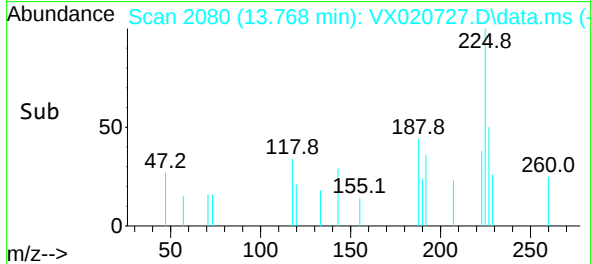


#94
Hexachlorobutadiene
Concen: 0.25 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. 0.006 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12

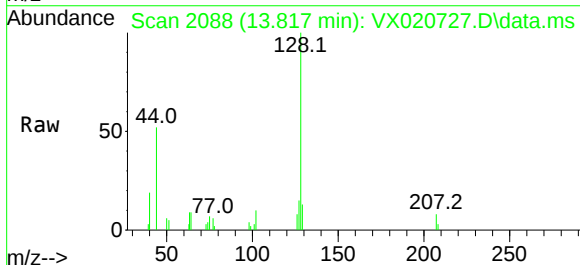
Instrument :
MSVOA_X
ClientSampleId :



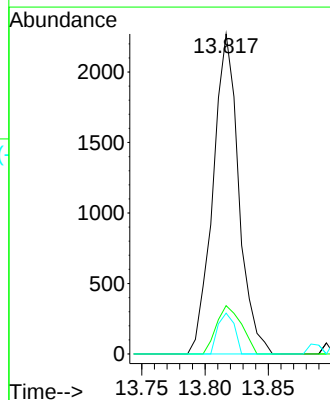
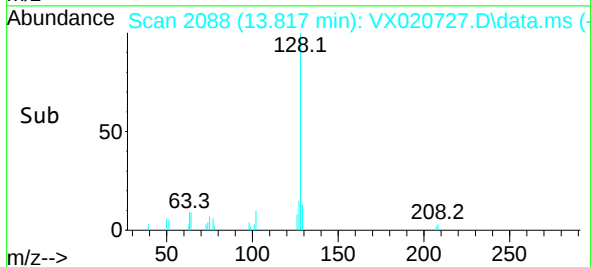
Tgt Ion:225 Resp: 507
Ion Ratio Lower Upper
225 100
223 35.1 31.1 93.2
227 62.3 31.6 95.0

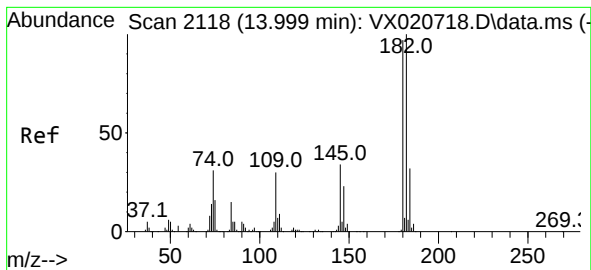


#95
Naphthalene
Concen: 3.06 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020727.D
Acq: 25 Jan 2021 16:12



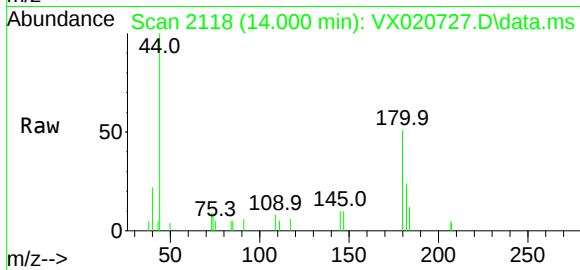
Tgt Ion:128 Resp: 3220
Ion Ratio Lower Upper
128 100
127 14.6 10.3 15.5
129 8.2 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 14.000 min Scan# 2118
 Delta R.T. 0.001 min
 Lab File: VX020727.D
 Acq: 25 Jan 2021 16:12

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.3	47.6	142.9
145	28.2	16.1	48.3

