

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020176.D
 Acq On : 19 Dec 2020 17:10
 Operator : JC/MD
 Sample : L5096-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-IW5676-121220

Quant Time: Dec 21 02:34:22 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)

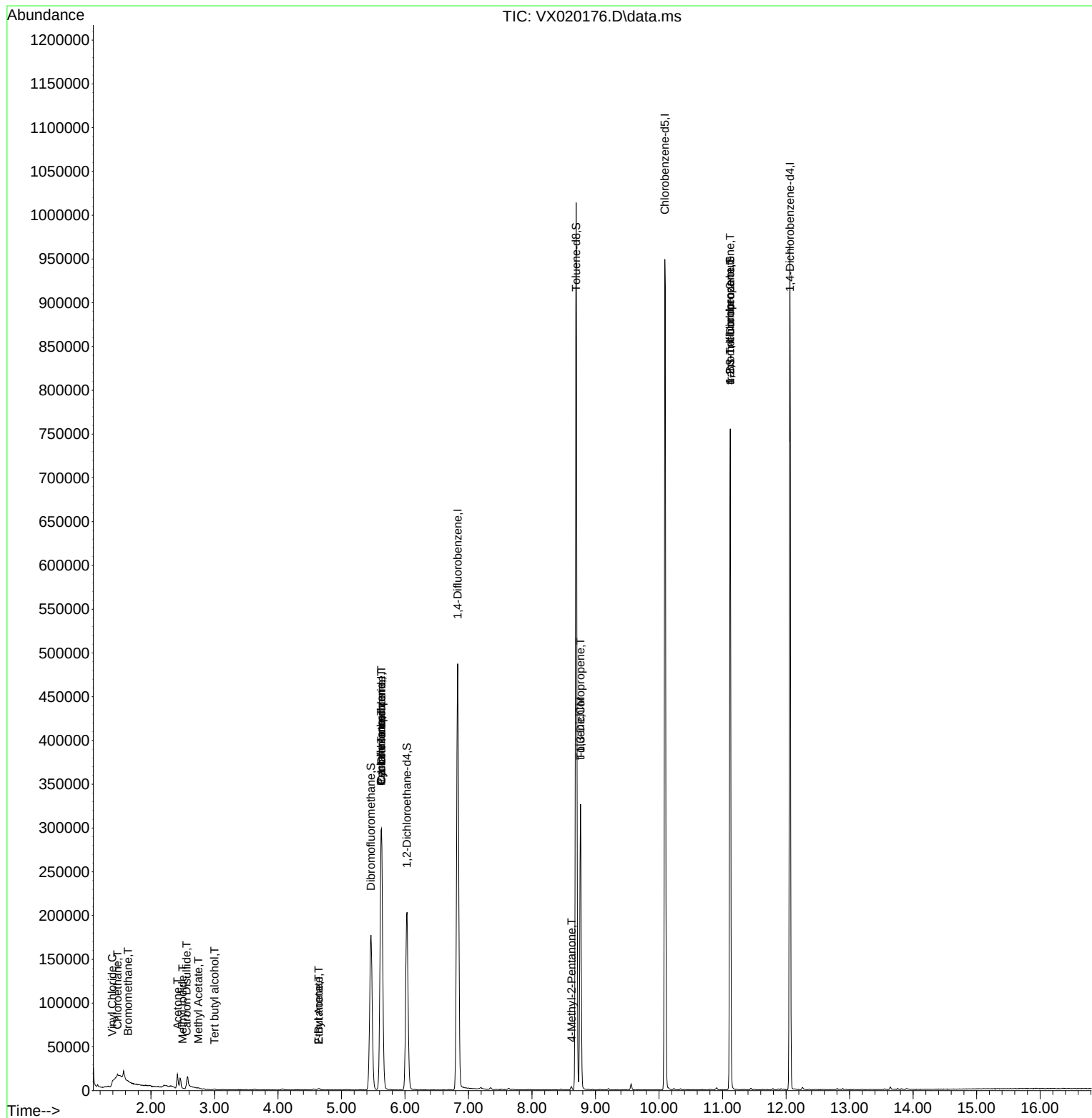
Internal Standards						
1) Pentafluorobenzene	5.623	168	290153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	493396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.091	117	452985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	195455	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	194657	50.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.10%			
35) Dibromofluoromethane	5.464	113	154802	49.05	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.10%			
50) Toluene-d8	8.695	98	597263	49.16	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.32%			
62) 4-Bromofluorobenzene	11.122	95	209086	44.97	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.94%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	1135	0.29	ug/l #	1
5) Bromomethane	1.636	94	476	0.37	ug/l	91
6) Chloroethane	1.471	64	7447	3.00	ug/l #	51
10) Methyl Iodide	2.495	142	333	3.37	ug/l #	77
11) Tert butyl alcohol	3.001	59	779	0.89	ug/l #	73
16) Acetone	2.416	43	16899	9.53	ug/l	98
17) Carbon Disulfide	2.562	76	1991	0.23	ug/l #	94
18) Methyl Acetate	2.745	43	804	0.20	ug/l #	70
25) 2-Butanone	4.641	43	2399	0.93	ug/l #	89
31) Cyclohexane	5.623	56	5895	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	22832	4.68	ug/l #	48
37) Ethyl Acetate	4.641	43	2399	0.47	ug/l #	64
38) Carbon Tetrachloride	5.629	117	28978	6.25	ug/l #	17
51) 4-Methyl-2-Pentanone	8.622	43	2439	0.49	ug/l	97
52) Toluene	8.762	92	123997	13.39	ug/l	99
53) t-1,3-Dichloropropene	8.762	75	1354	0.25	ug/l #	1
76) 1,2,3-Trichloropropane	11.122	75	101593	21.10	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	101593	62.60	ug/l #	12

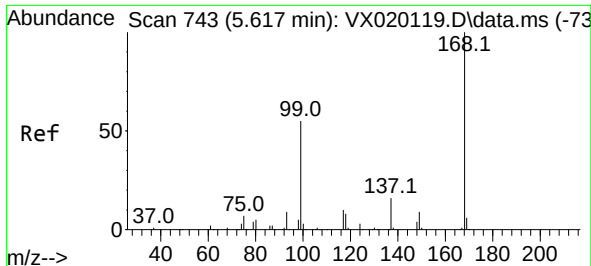
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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49-IW5676-121220

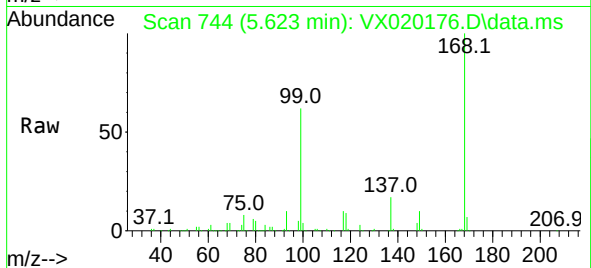
Quant Time: Dec 21 02:34:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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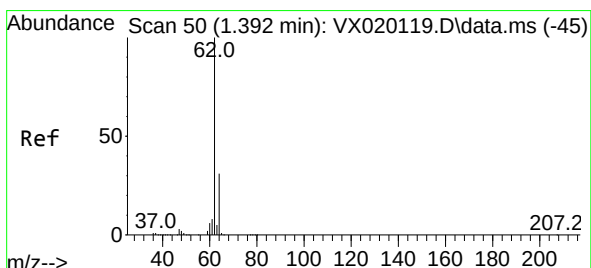
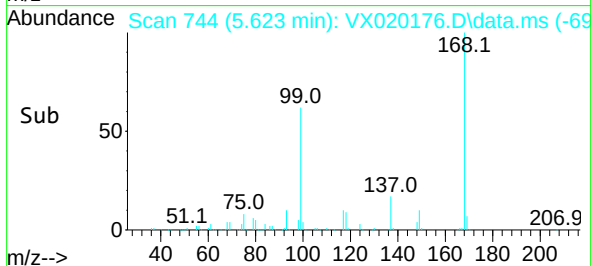
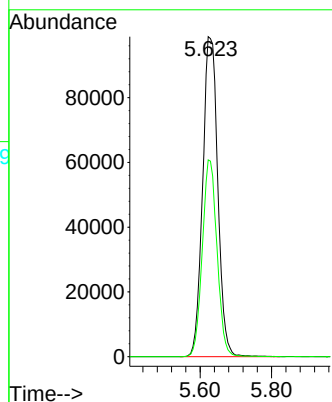


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

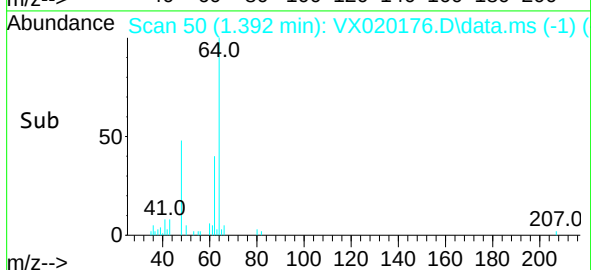
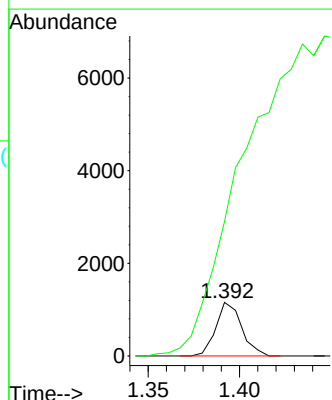
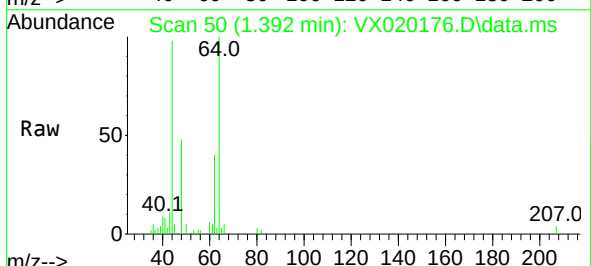


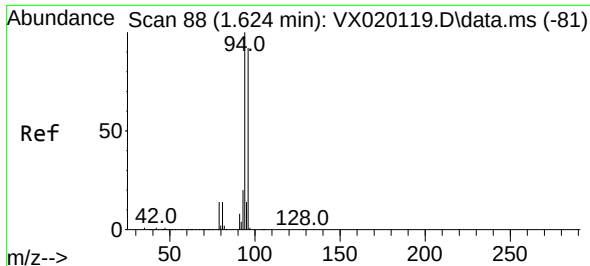
Tgt Ion:168 Resp: 290153
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.6



#4
Vinyl Chloride
Concen: 0.29 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 62 Resp: 1135
Ion Ratio Lower Upper
62 100
64 236.0 25.7 38.5#

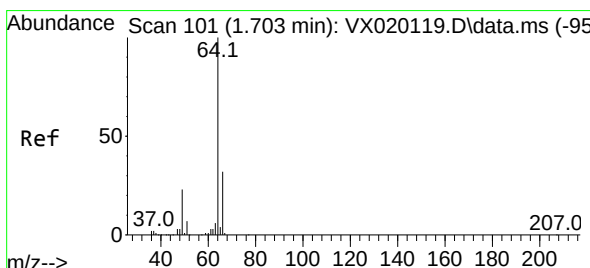
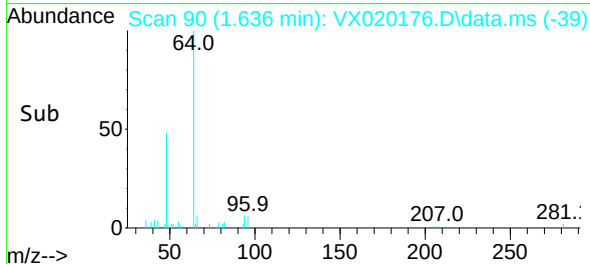
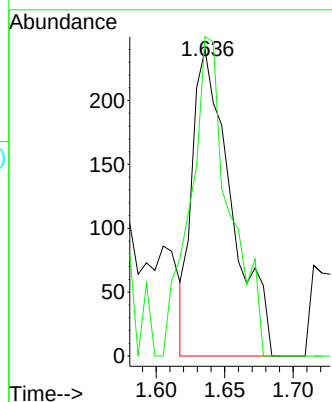
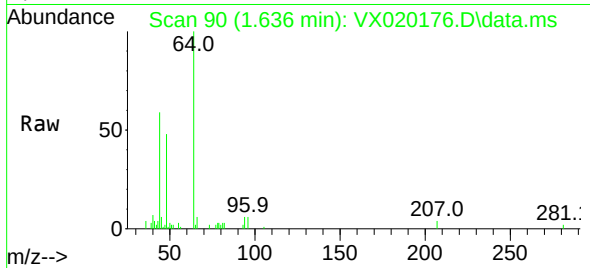




#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

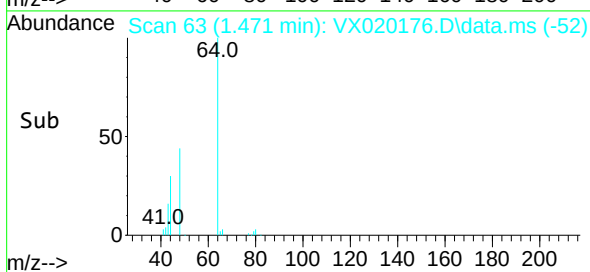
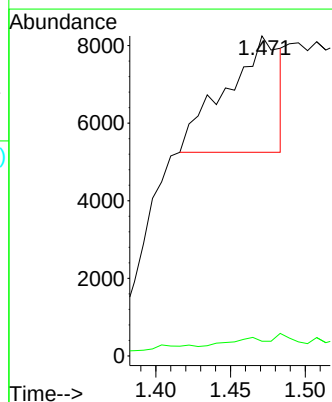
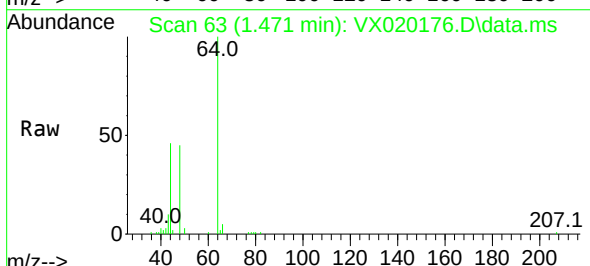
Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

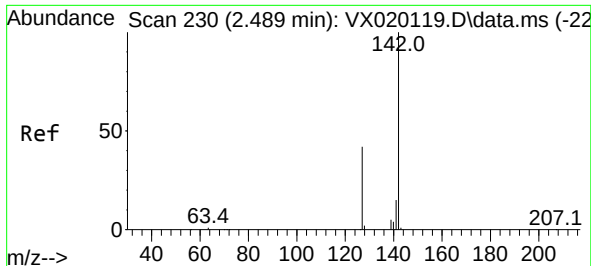
Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 104.2 76.4 114.6



#6
Chloroethane
Concen: 3.00 ug/l
RT: 1.471 min Scan# 63
Delta R.T. -0.232 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 64 Resp: 7447
Ion Ratio Lower Upper
64 100
66 4.3 25.4 38.0#

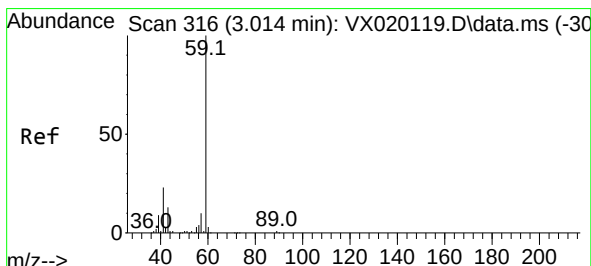
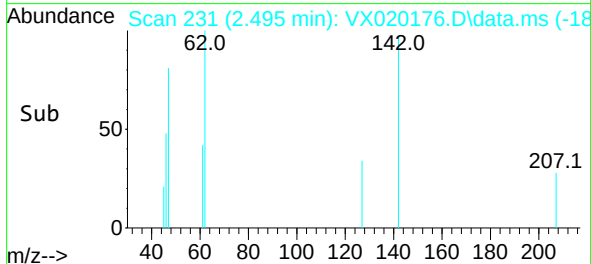
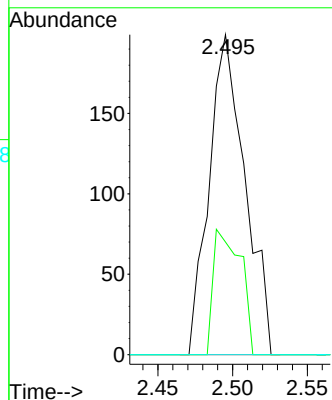
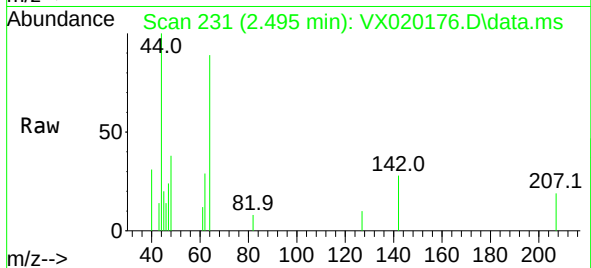




#10
Methyl Iodide
Concen: 3.37 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

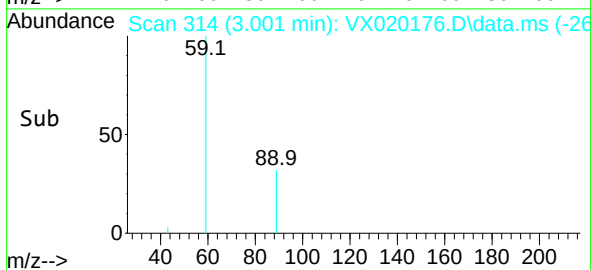
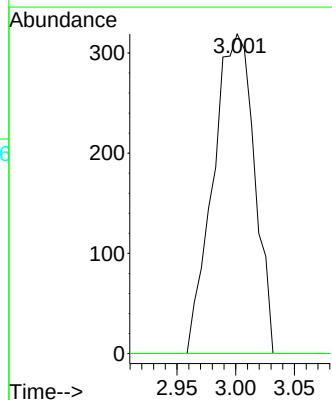
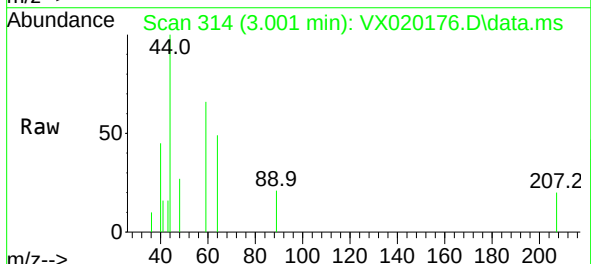
Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

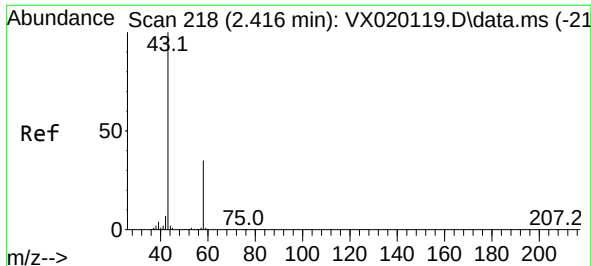
Tgt Ion:142 Resp: 333
Ion Ratio Lower Upper
142 100
127 29.7 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.89 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.013 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 59 Resp: 779
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

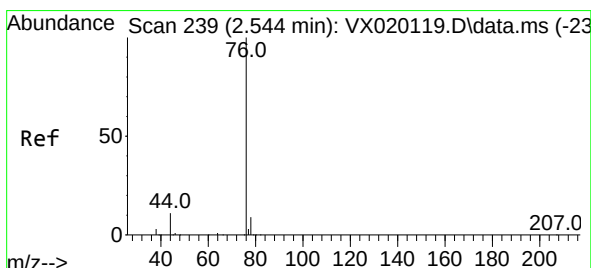
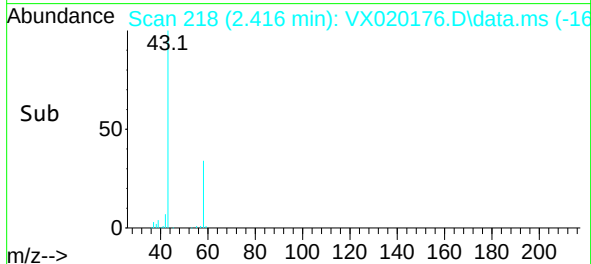
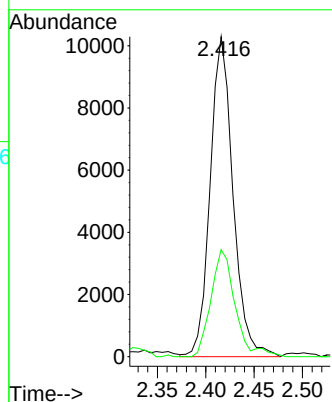
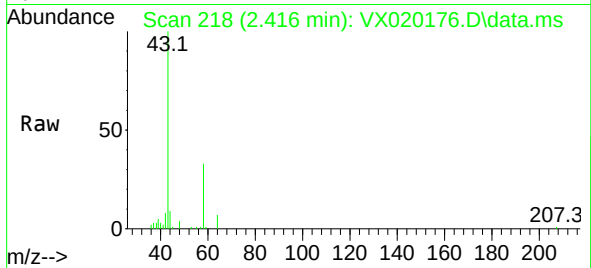




#16
Acetone
Concen: 9.53 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

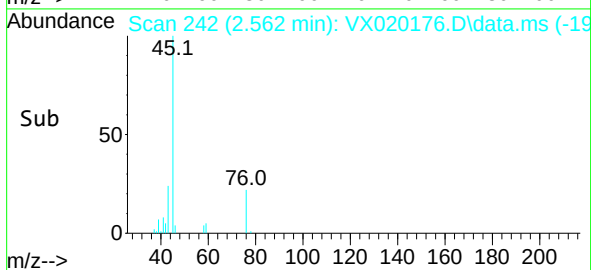
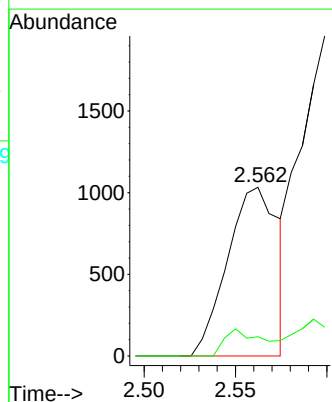
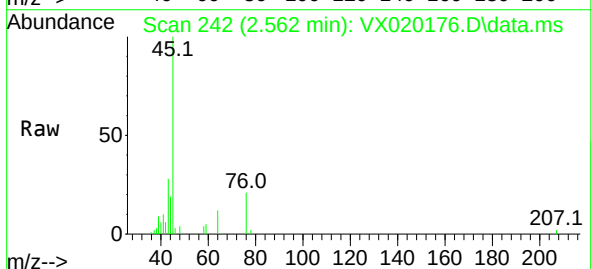
Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

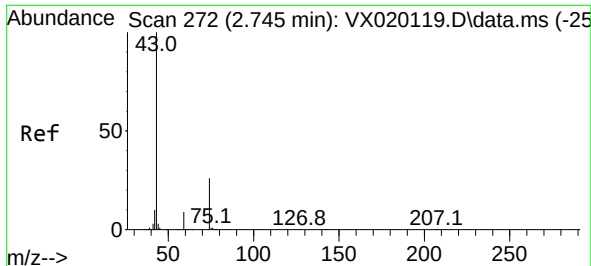
Tgt Ion: 43 Resp: 16899
Ion Ratio Lower Upper
43 100
58 33.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.562 min Scan# 242
Delta R.T. 0.018 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 76 Resp: 1991
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#

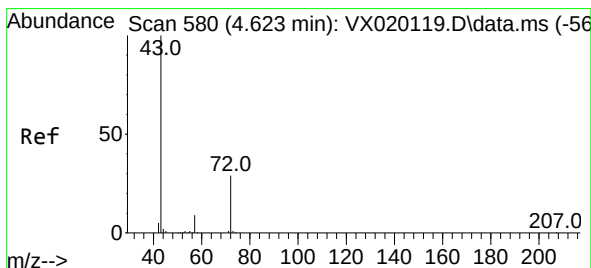
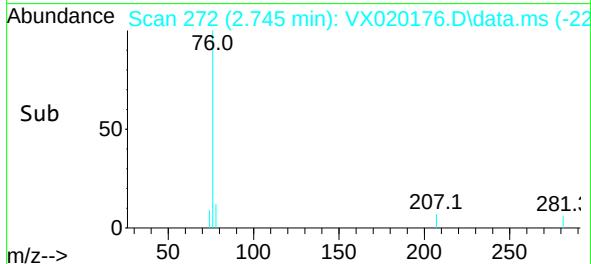
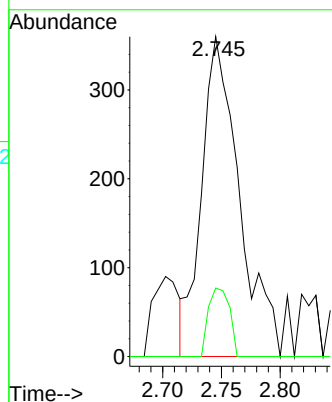
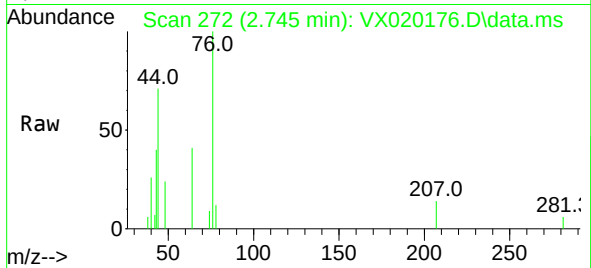




#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

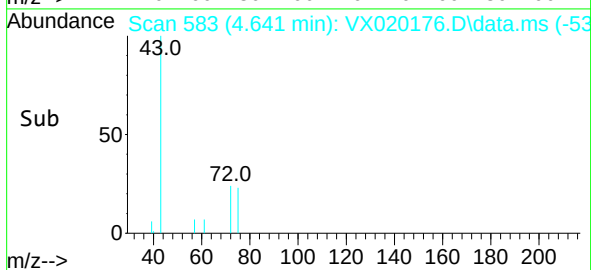
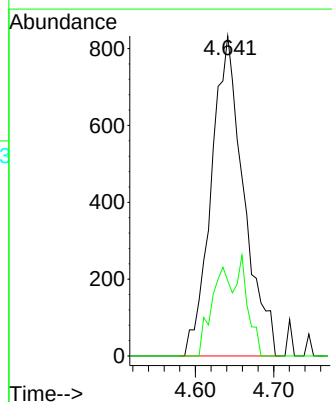
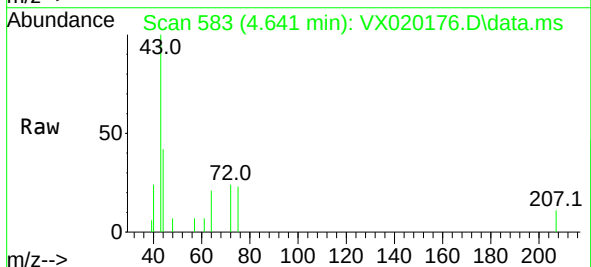
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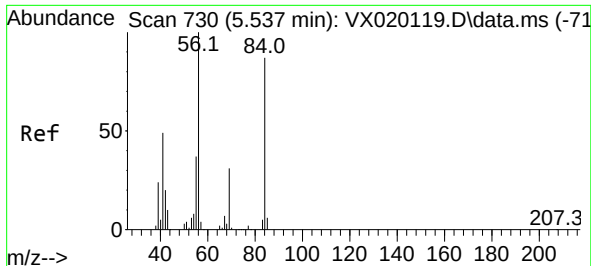
Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
74 11.9 21.9 32.9#



#25
2-Butanone
Concen: 0.93 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
72 23.5 23.7 35.5#

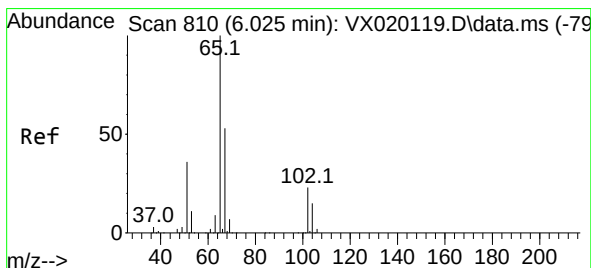
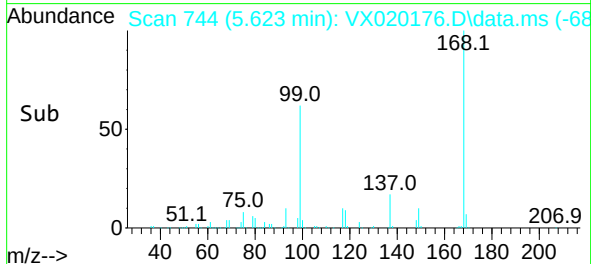
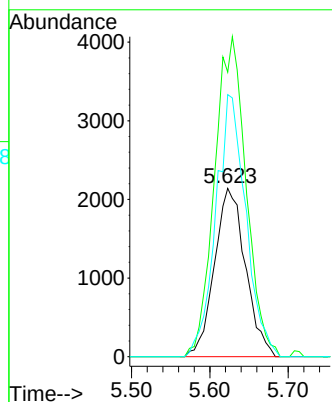
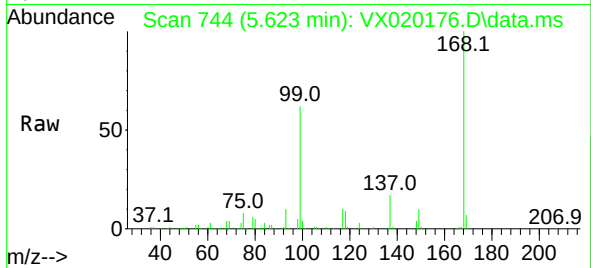




#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

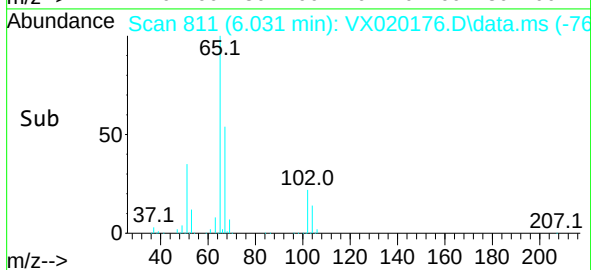
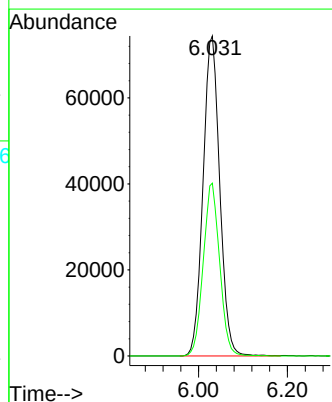
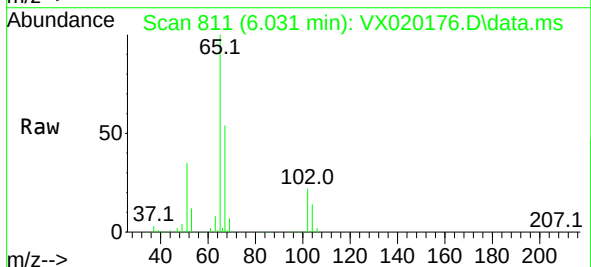
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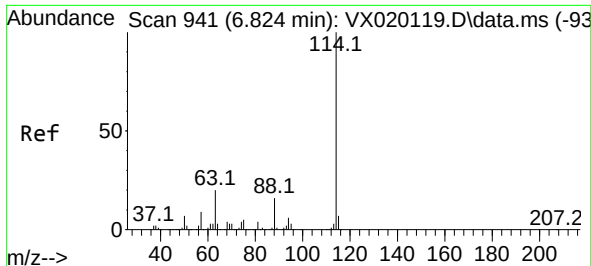
Tgt Ion: 56 Resp: 5895
Ion Ratio Lower Upper
56 100
69 169.0 25.3 37.9#
84 155.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.05 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 65 Resp: 194657
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4

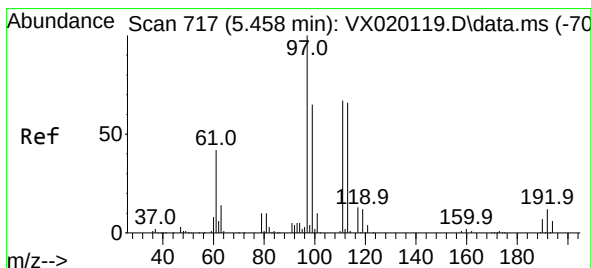
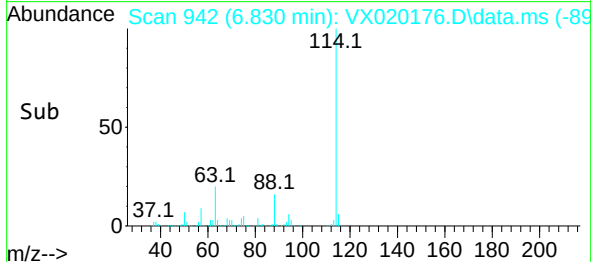
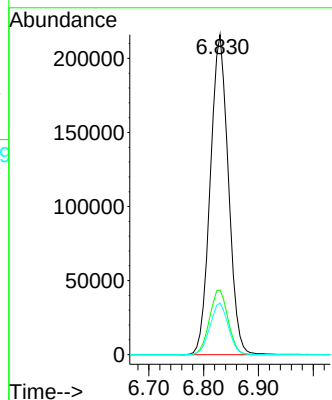
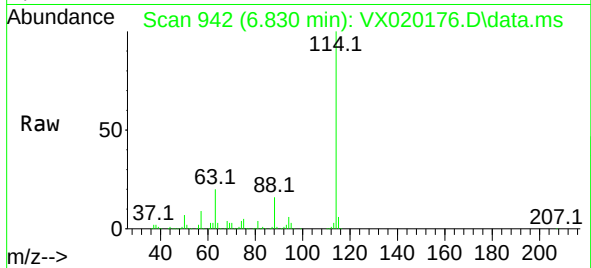




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

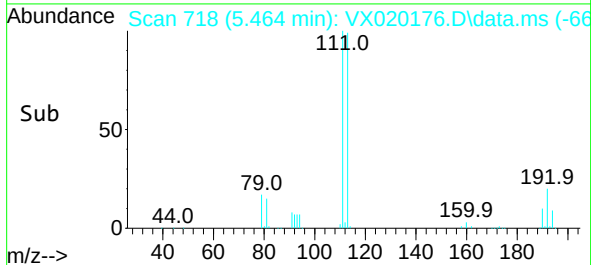
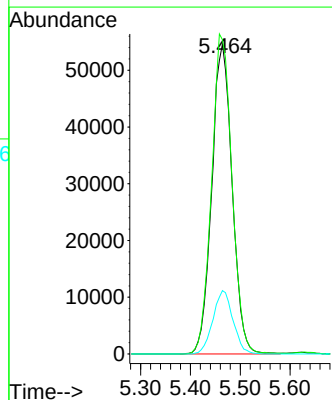
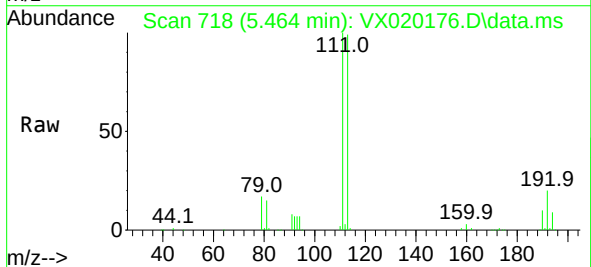
Instrument :
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ClientSampleId :
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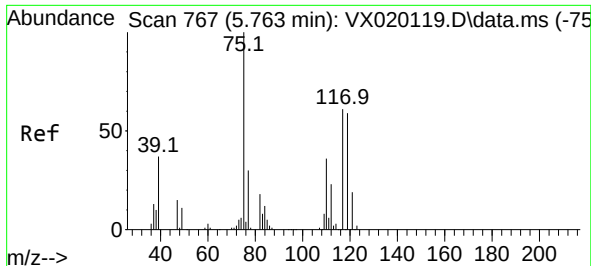
Tgt Ion:114 Resp: 493396
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.05 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

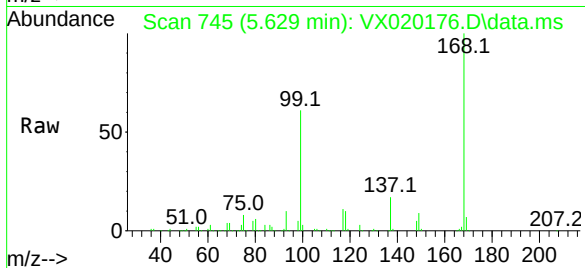
Tgt Ion:113 Resp: 154802
Ion Ratio Lower Upper
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111 103.6 81.9 122.9
192 20.1 16.7 25.1



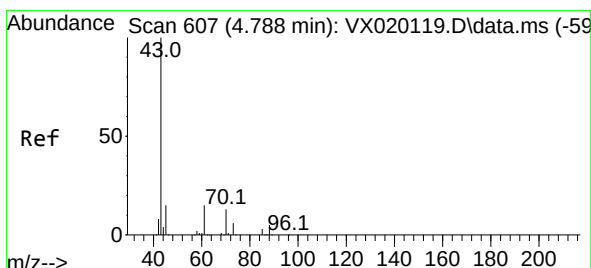
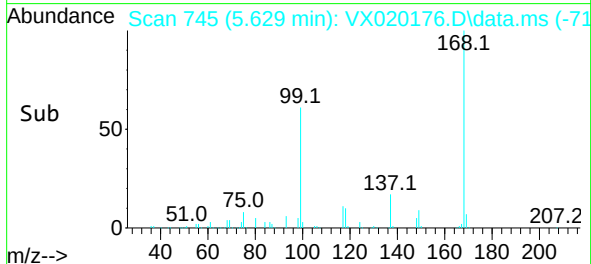
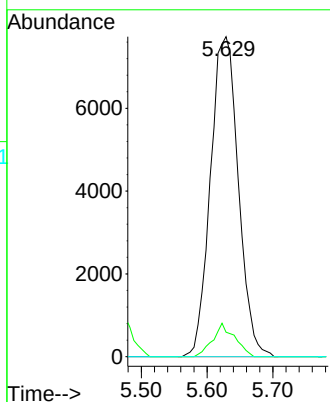


#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

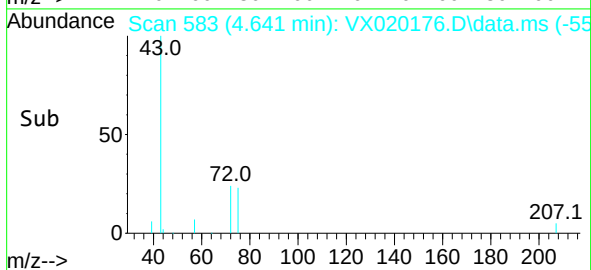
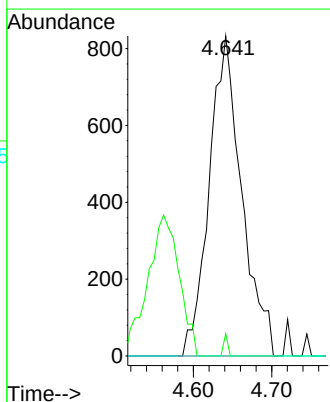
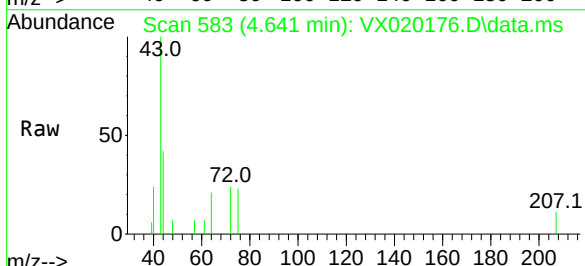


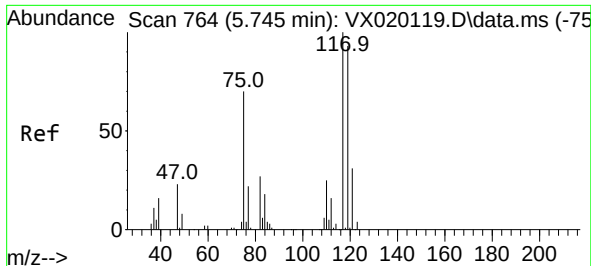
Tgt Ion: 75 Resp: 22832
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.47 ug/l
RT: 4.641 min Scan# 583
Delta R.T. -0.147 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

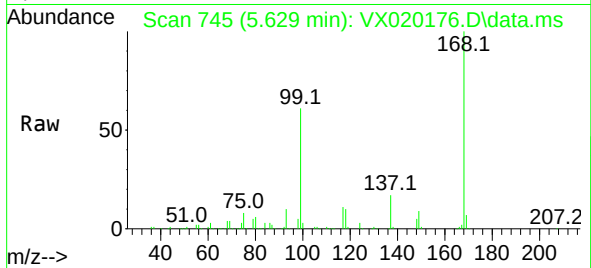
Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



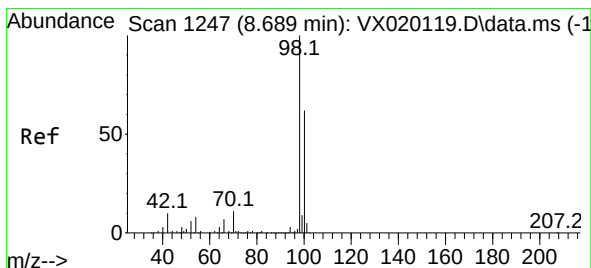
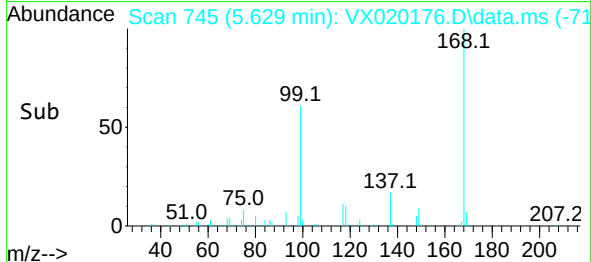
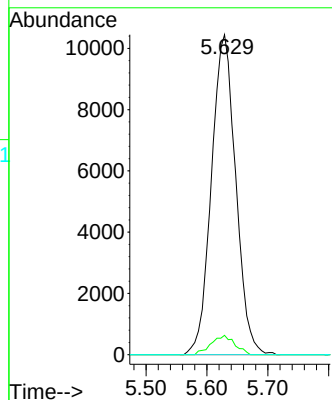


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

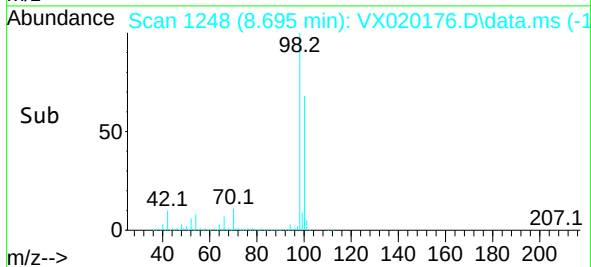
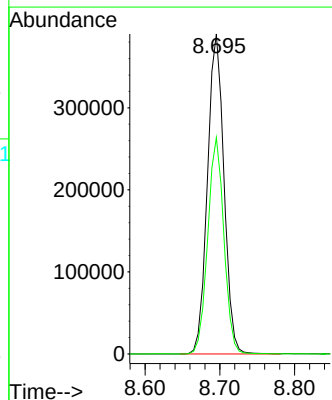
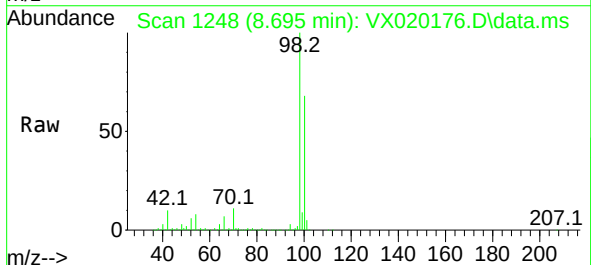


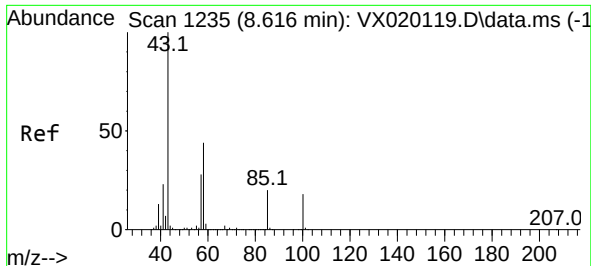
Tgt Ion:117 Resp: 28978
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.16 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 98 Resp: 597263
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9

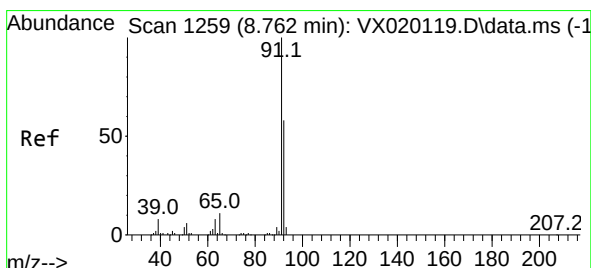
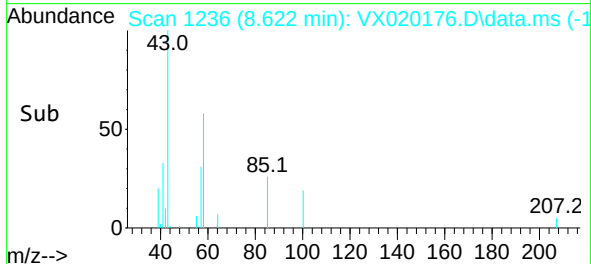
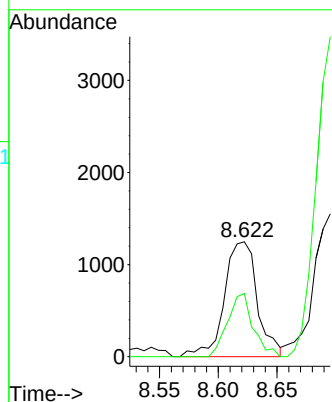
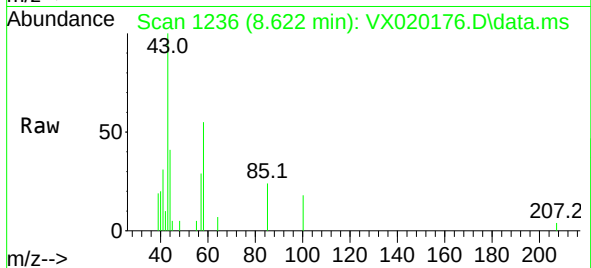




#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

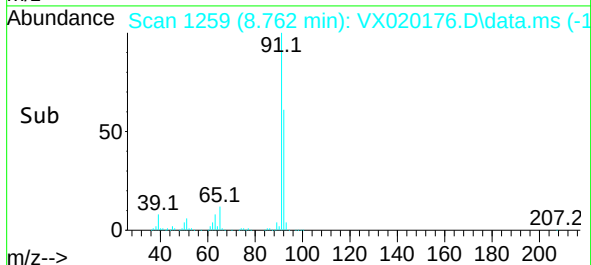
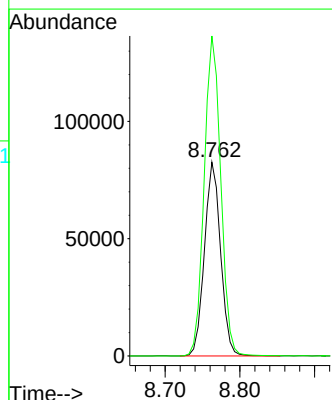
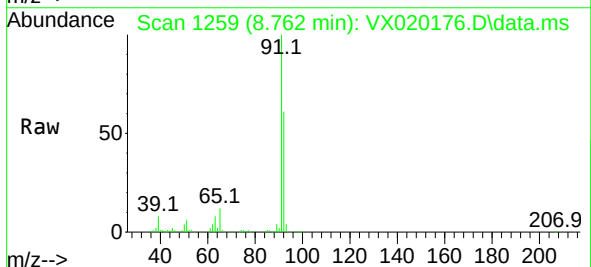
Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

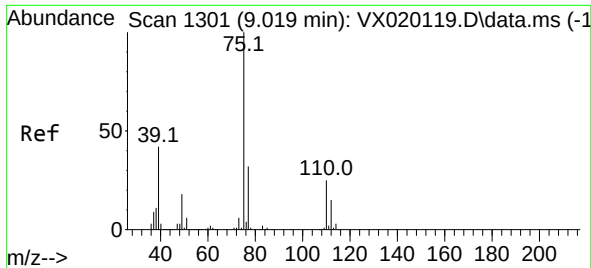
Tgt Ion: 43 Resp: 2439
Ion Ratio Lower Upper
43 100
58 42.5 35.4 53.0



#52
Toluene
Concen: 13.39 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 92 Resp: 123997
Ion Ratio Lower Upper
92 100
91 169.4 137.1 205.7

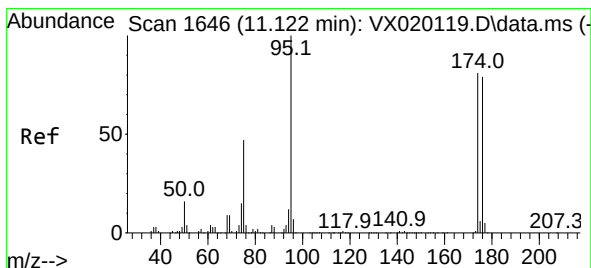
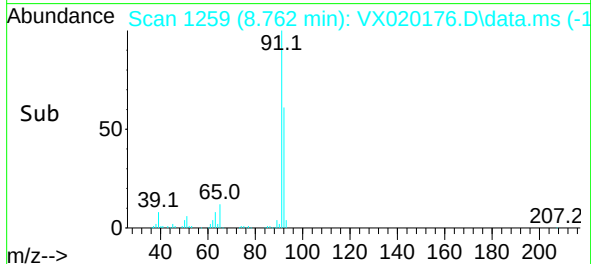
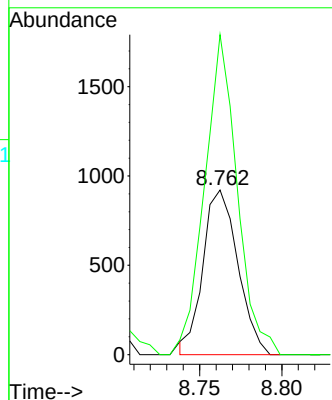
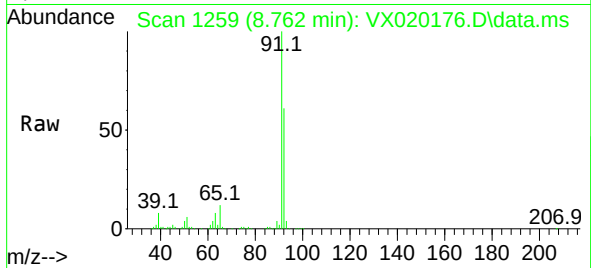




#53
t-1,3-Dichloropropene
Concen: 0.25 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. -0.257 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

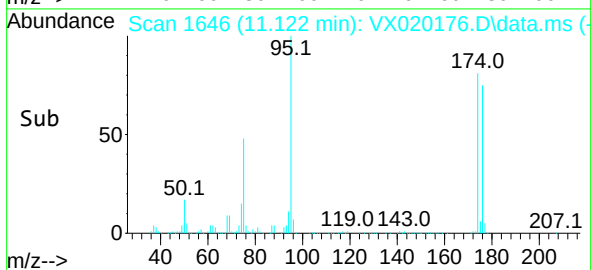
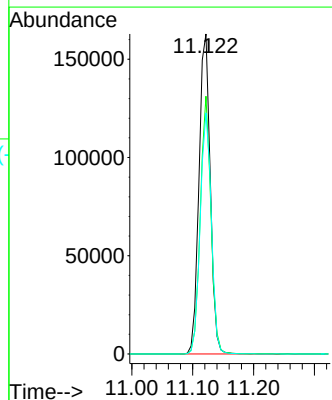
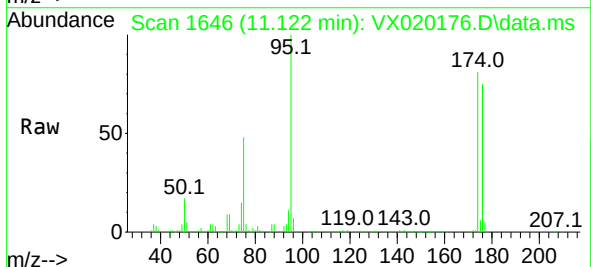
Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

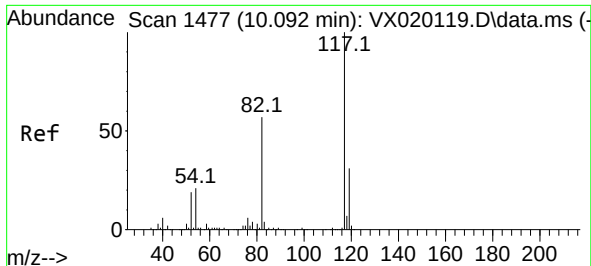
Tgt Ion: 75 Resp: 1354
Ion Ratio Lower Upper
75 100
77 194.5 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 44.97 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 95 Resp: 209086
Ion Ratio Lower Upper
95 100
174 76.0 0.0 154.6
176 74.7 0.0 155.8

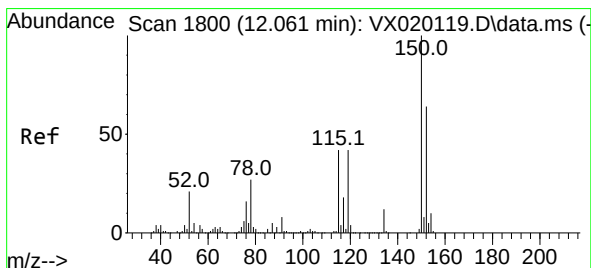
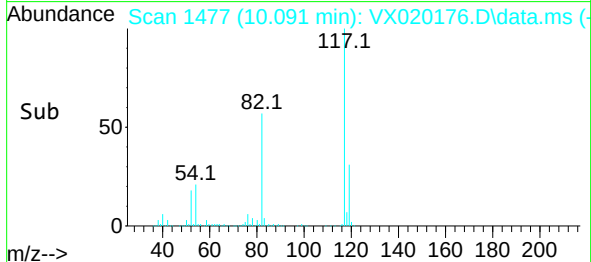
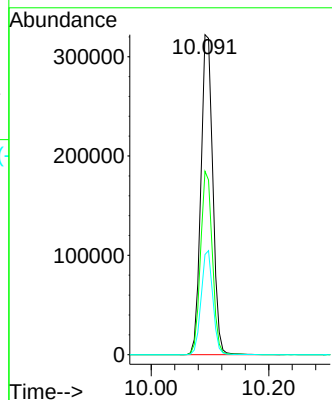
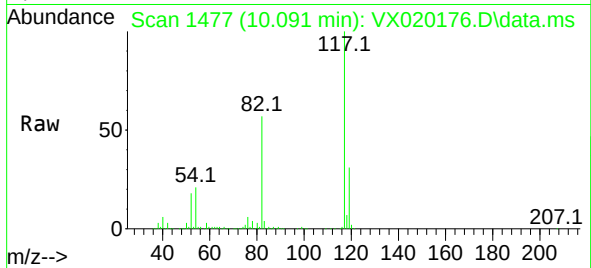




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.091 min Scan# 1477
Delta R.T. -0.001 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

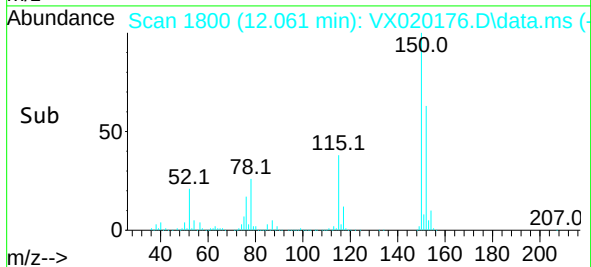
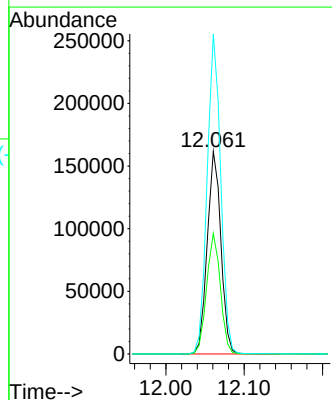
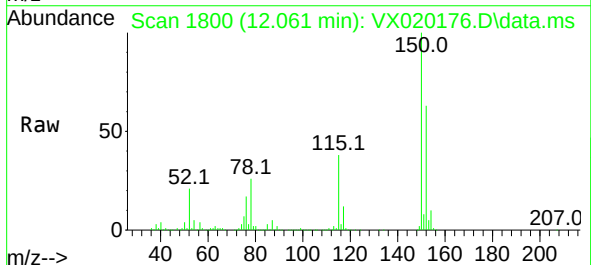
Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

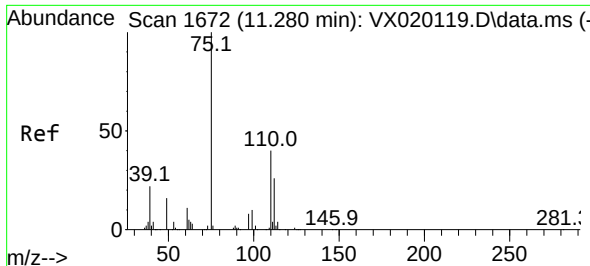
Tgt Ion:117 Resp: 452985
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion:152 Resp: 195455
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 156.7 0.0 349.0

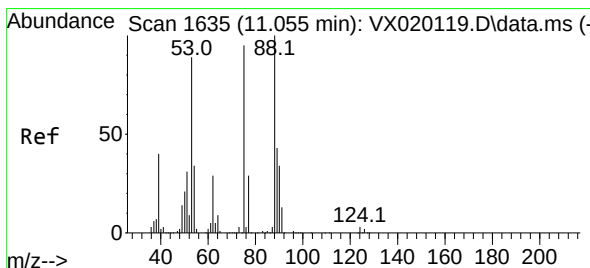
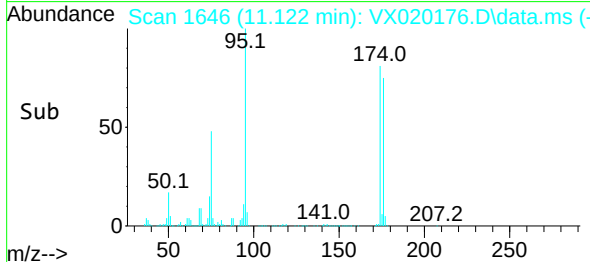
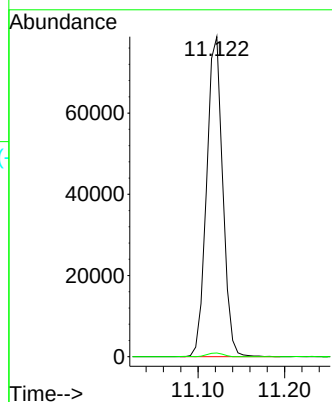
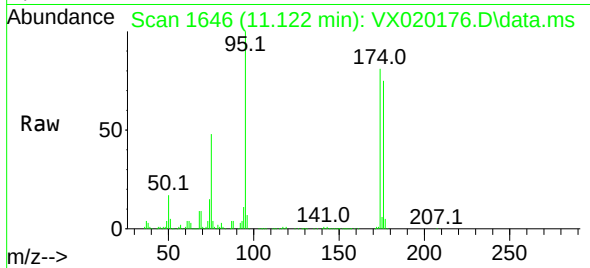




#76
1,2,3-Trichloropropane
Concen: 21.10 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
49-IW5676-121220

Tgt Ion: 75 Resp: 101593
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.60 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020176.D
Acq: 19 Dec 2020 17:10

Tgt Ion: 75 Resp: 101593
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

