

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123020\
 Data File : VX020466.D
 Acq On : 30 Dec 2020 19:15
 Operator : JC/MD
 Sample : L5200-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 01:11:20 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)

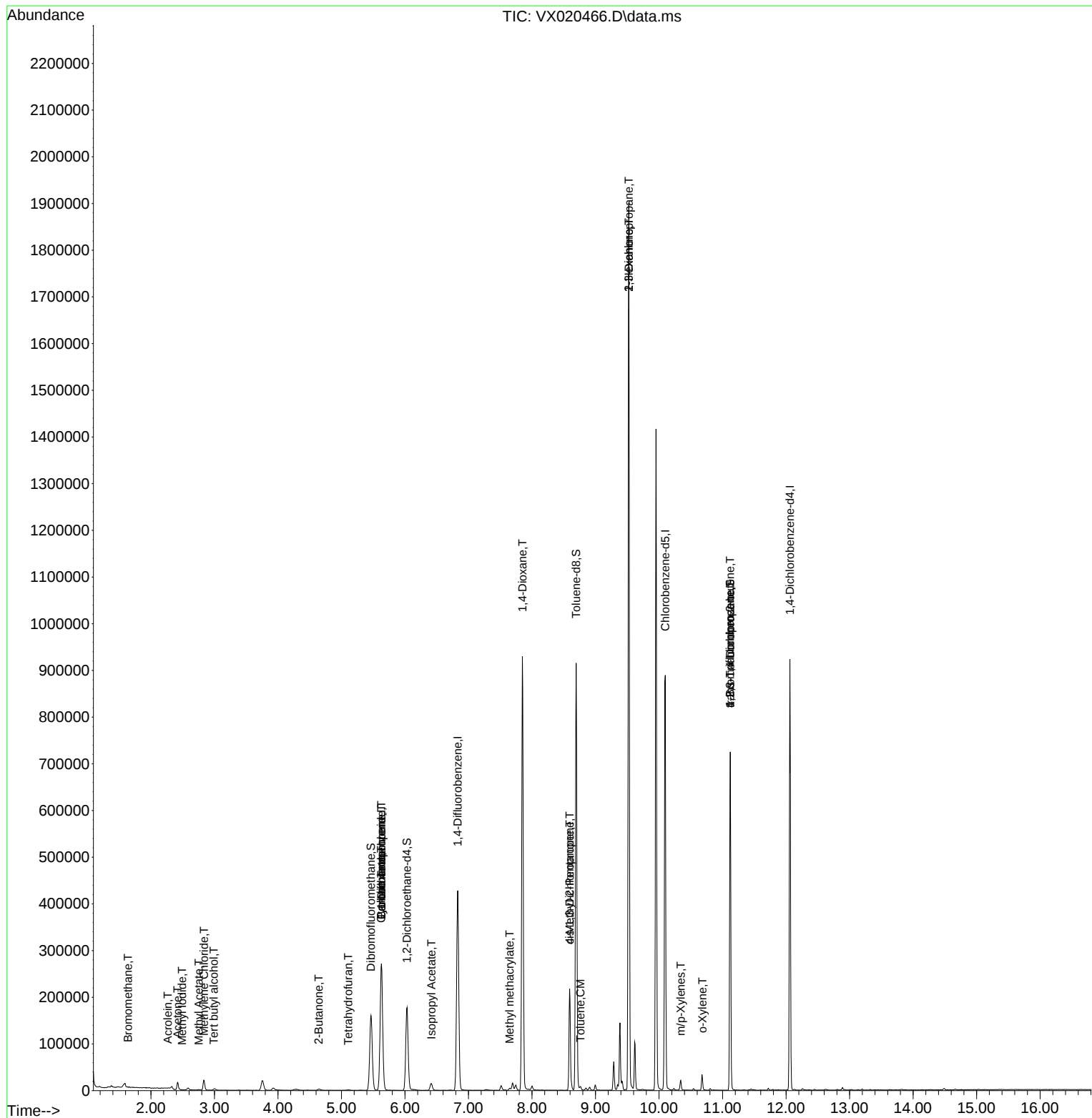
Internal Standards						
1) Pentafluorobenzene	5.629	168	262701	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	431815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	421639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	184004	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	169070	48.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.02%		
35) Dibromofluoromethane	5.464	113	140570	50.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.78%		
50) Toluene-d8	8.695	98	539023	50.69	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.38%		
62) 4-Bromofluorobenzene	11.122	95	195244	47.98	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.96%		
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	420	0.36	ug/l	82
10) Methyl Iodide	2.489	142	31	3.29	ug/l #	42
11) Tert butyl alcohol	2.989	59	1682	2.13	ug/l #	73
13) Acrolein	2.264	56	112	0.23	ug/l	100
16) Acetone	2.416	43	16514	10.28	ug/l	97
18) Methyl Acetate	2.751	43	1400	0.39	ug/l	94
20) Methylene Chloride	2.837	84	10097	2.79	ug/l	94
25) 2-Butanone	4.641	43	3098	1.33	ug/l #	84
29) Tetrahydrofuran	5.105	42	983	0.67	ug/l #	56
31) Cyclohexane	5.623	56	4974	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20037	4.70	ug/l #	49
38) Carbon Tetrachloride	5.629	117	25759	6.35	ug/l #	16
43) Isopropyl Acetate	6.415	43	19606	2.80	ug/l	98
48) Methyl methacrylate	7.647	41	6598	1.92	ug/l #	10
49) 1,4-Dioxane	7.848	88	142	1.77	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	69528	16.04	ug/l #	47
52) Toluene	8.762	92	1845	0.23	ug/l	92
54) cis-1,3-Dichloropropene	8.592	75	36041	6.82	ug/l #	61
57) 1,3-Dichloropropane	9.525	76	17040	2.99	ug/l #	42
59) 2-Hexanone	9.525	43	203207	61.52	ug/l #	46
68) m/p-Xylenes	10.341	106	4914	0.83	ug/l	99
69) o-Xylene	10.683	106	1735	0.31	ug/l	98
76) 1,2,3-Trichloropropane	11.122	75	96041	21.19	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	96041	62.86	ug/l #	12

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

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Quant Time: Dec 31 01:11:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

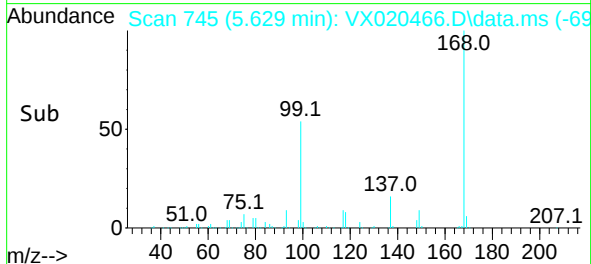
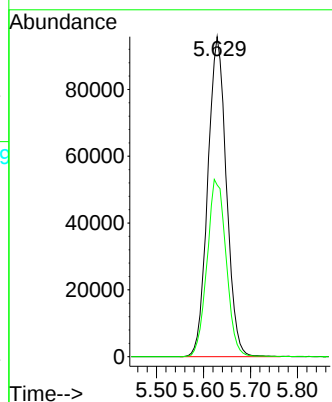
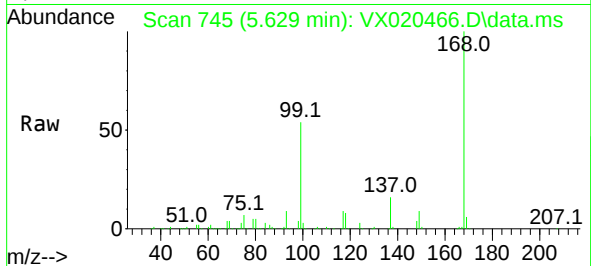




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

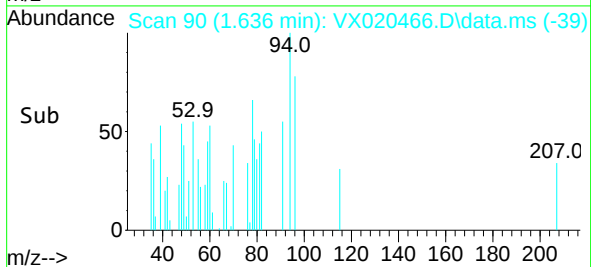
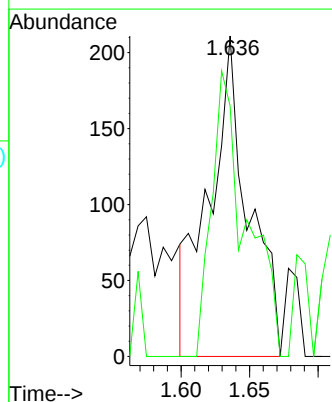
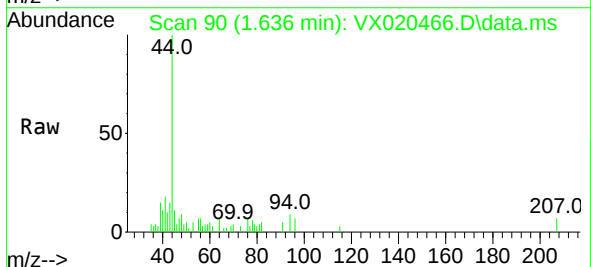
Instrument :
MSVOA_X
ClientSampled :

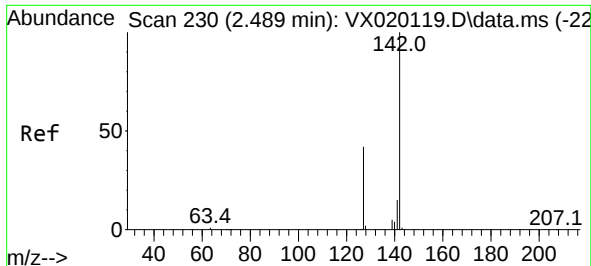
Tgt Ion:168 Resp: 262701
Ion Ratio Lower Upper
168 100
99 53.7 45.8 68.6



#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

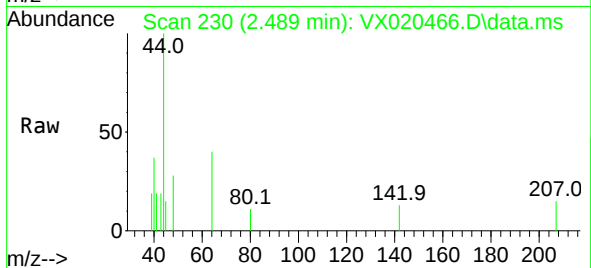
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 78.2 76.4 114.6



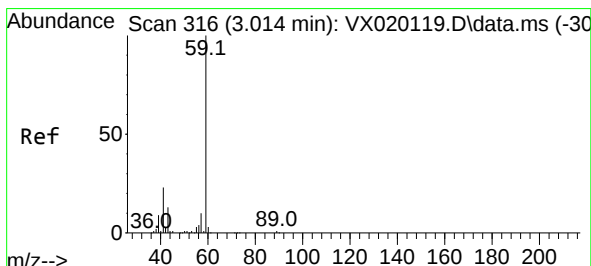
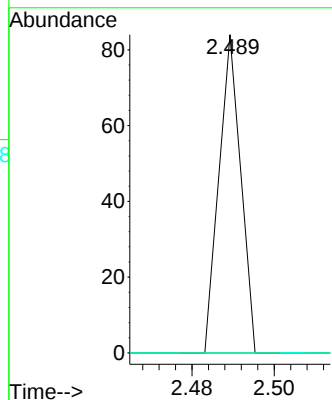
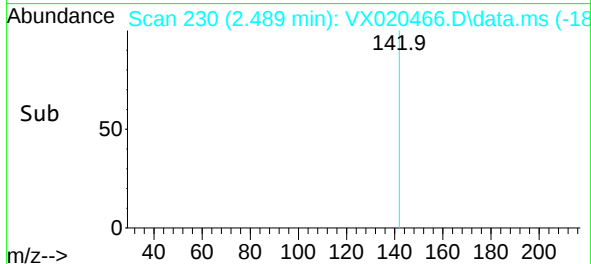


#10
Methyl Iodide
Concen: 3.29 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

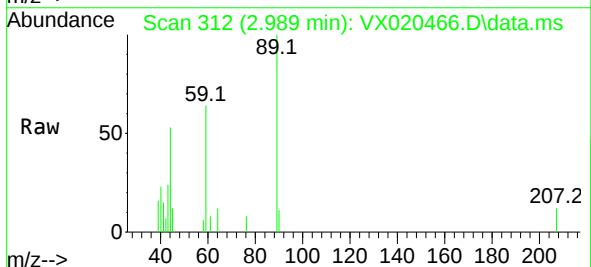
Instrument :
MSVOA_X
ClientSampled :



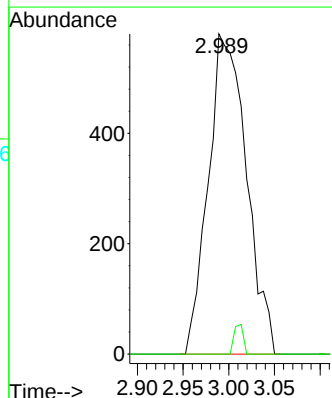
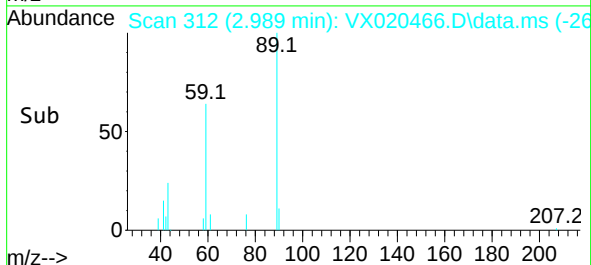
Tgt Ion:142 Resp: 31
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

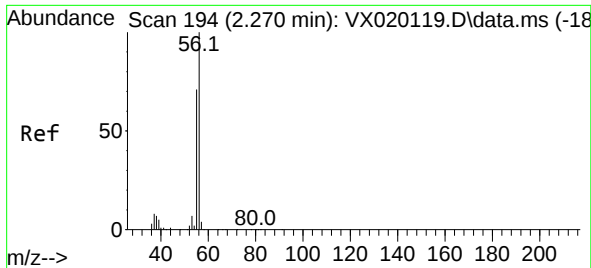


#11
Tert butyl alcohol
Concen: 2.13 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15



Tgt Ion: 59 Resp: 1682
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

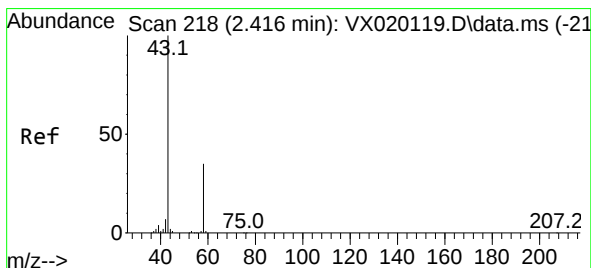
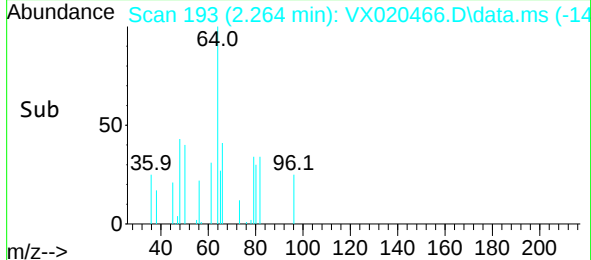
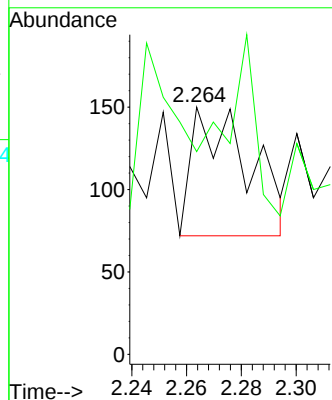
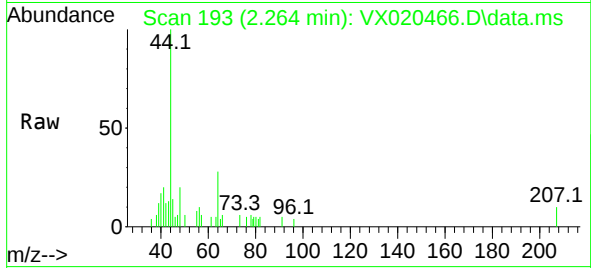




#13
Acrolein
Concen: 0.23 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

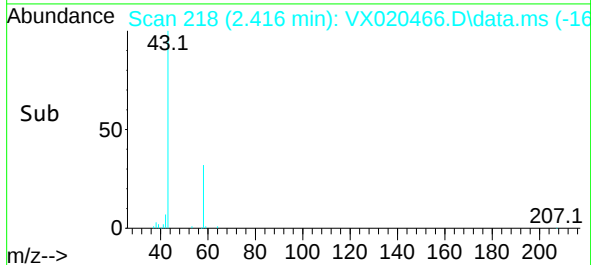
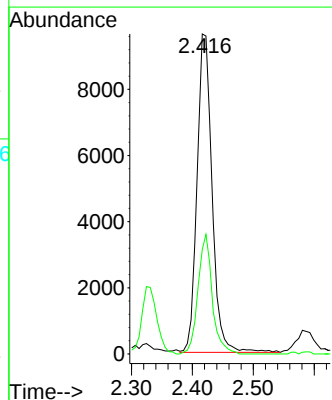
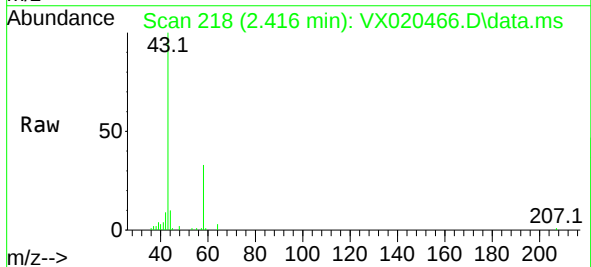
Instrument :
MSVOA_X
ClientSampled :

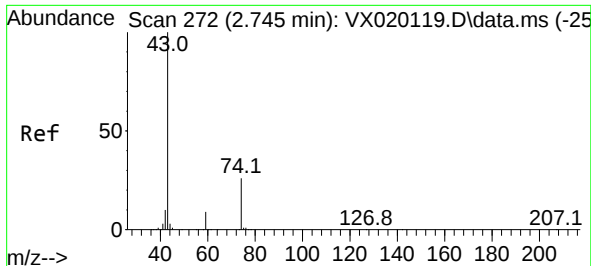
Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 70.5 56.4 84.6



#16
Acetone
Concen: 10.28 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 43 Resp: 16514
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8

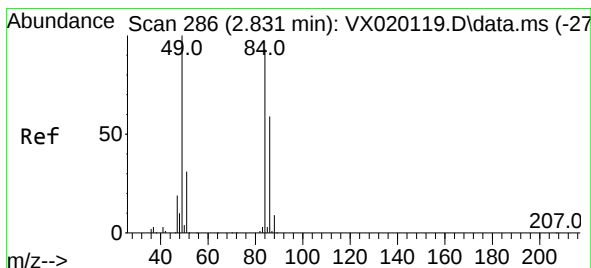
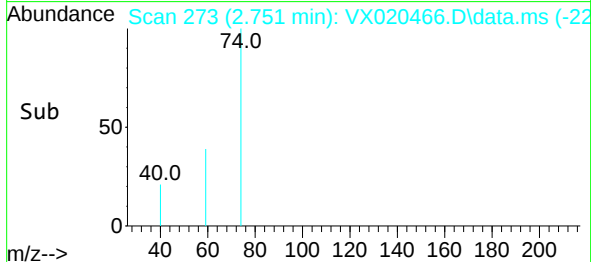
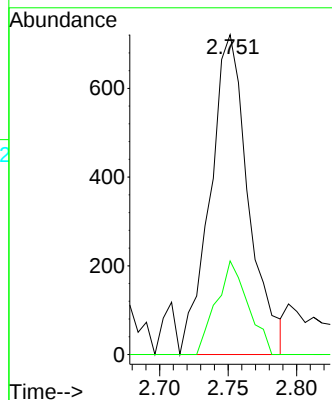
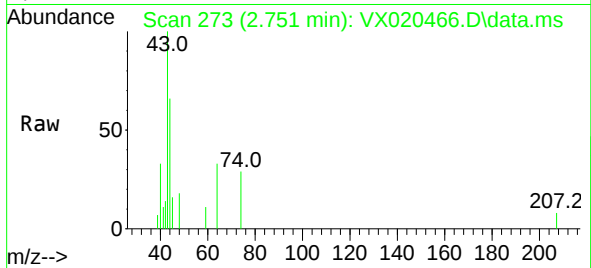




#18
Methyl Acetate
Concen: 0.39 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

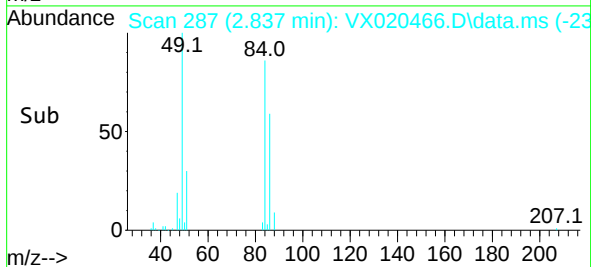
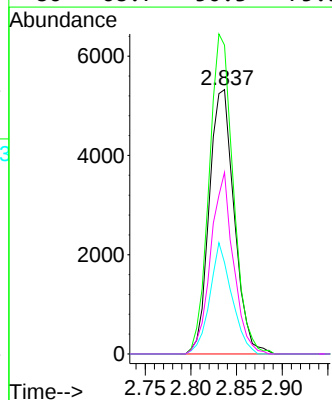
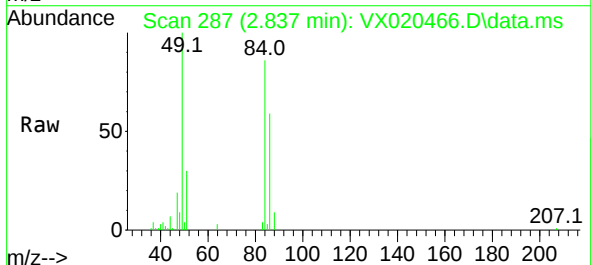
Instrument :
MSVOA_X
ClientSampled :

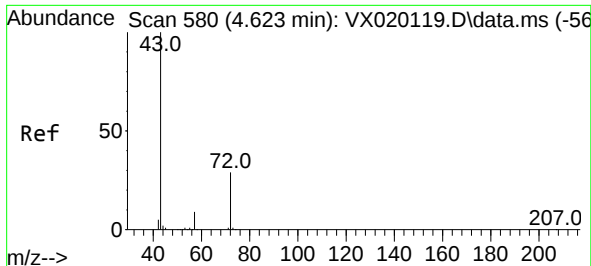
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
74 24.2 21.9 32.9



#20
Methylene Chloride
Concen: 2.79 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 84 Resp: 10097
Ion Ratio Lower Upper
84 100
49 116.9 88.6 132.8
51 34.6 27.0 40.6
86 68.7 50.3 75.5

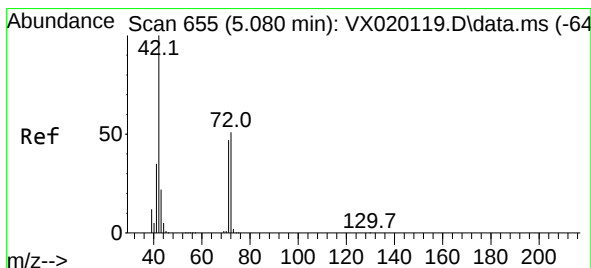
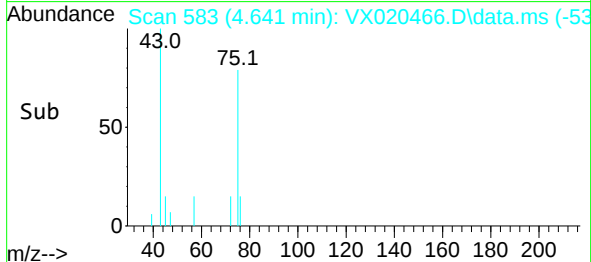
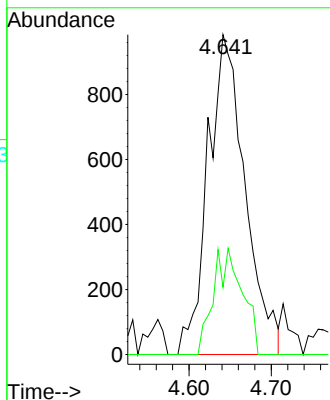
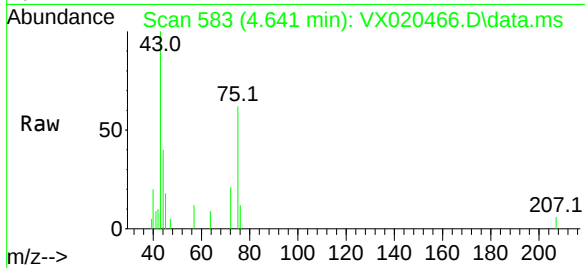




#25
2-Butanone
Concen: 1.33 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

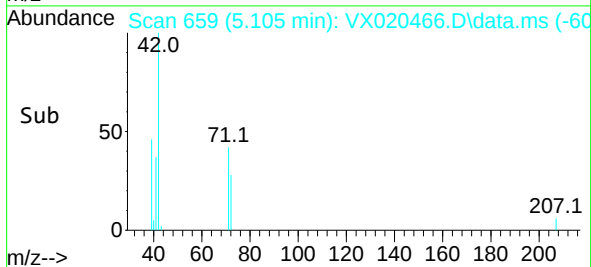
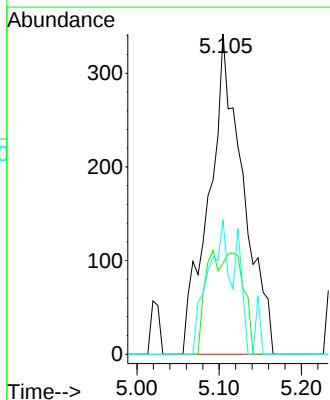
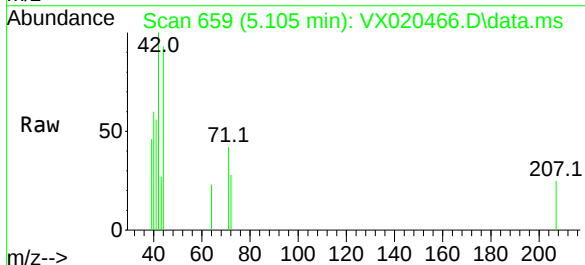
Instrument :
MSVOA_X
ClientSampled :

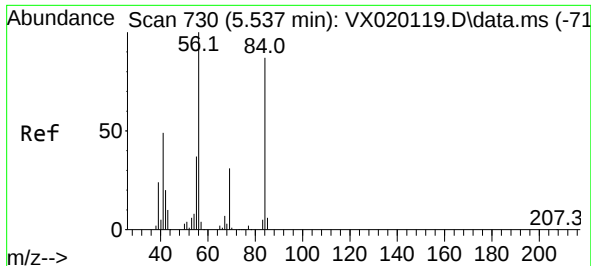
Tgt Ion: 43 Resp: 3098
Ion Ratio Lower Upper
43 100
72 21.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.67 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.025 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

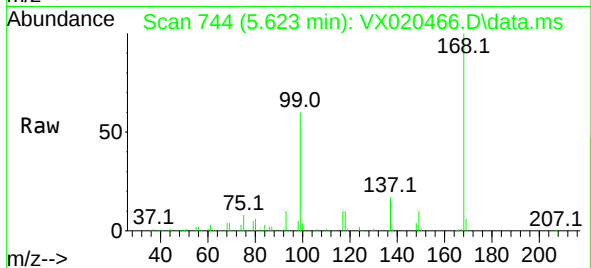
Tgt Ion: 42 Resp: 983
Ion Ratio Lower Upper
42 100
72 13.4 41.7 62.5#
71 26.4 38.4 57.6#



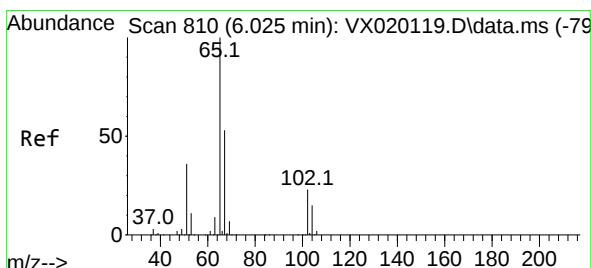
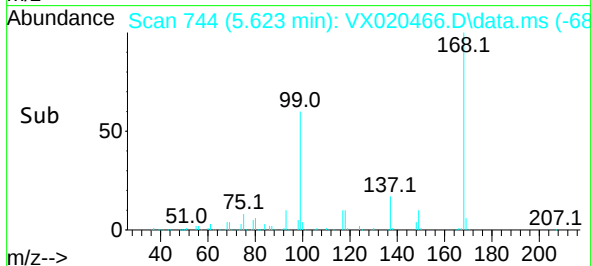
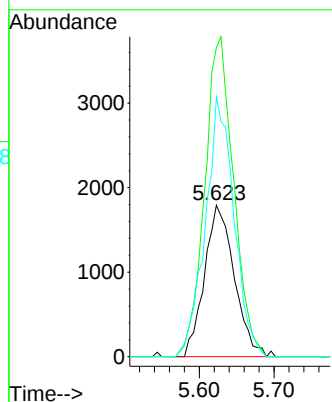


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :

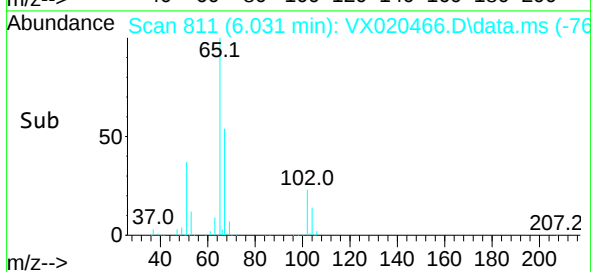
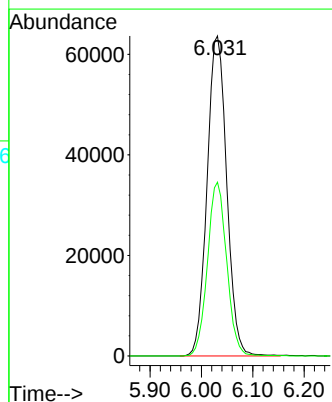
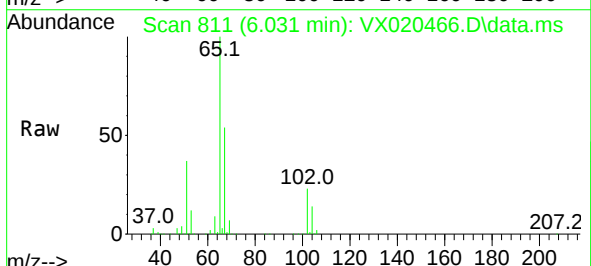


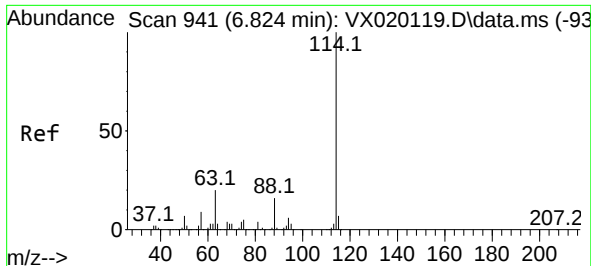
Tgt Ion: 56 Resp: 4974
Ion Ratio Lower Upper
56 100
69 204.1 25.3 37.9#
84 171.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 48.01 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 65 Resp: 169070
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4

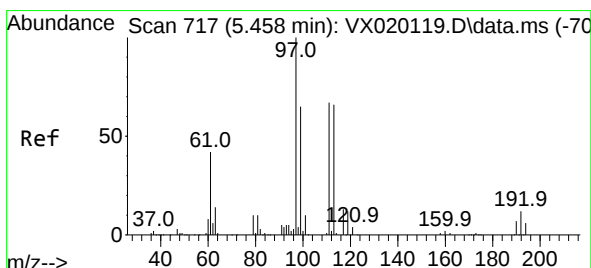
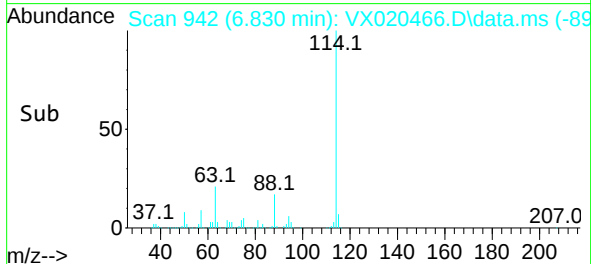
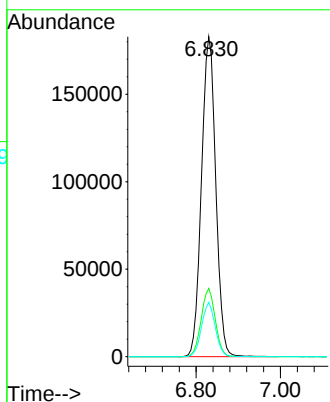
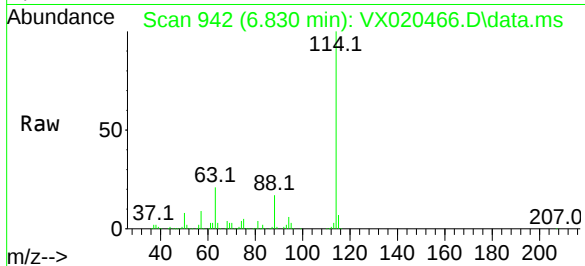




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

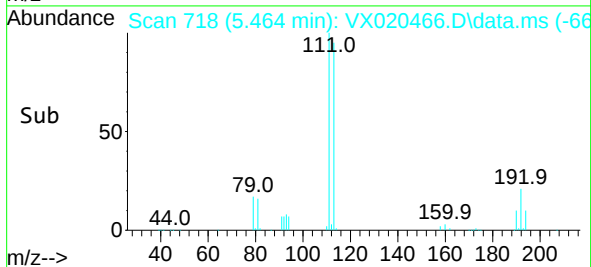
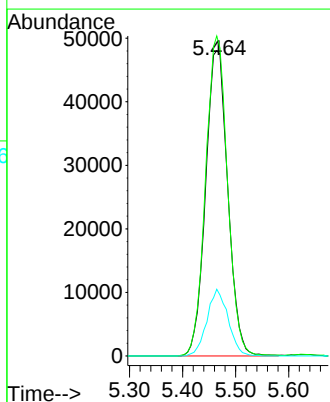
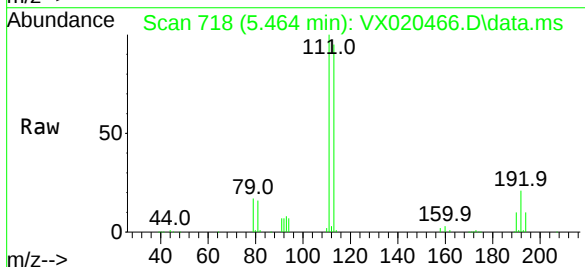
Instrument :
MSVOA_X
ClientSampleId :

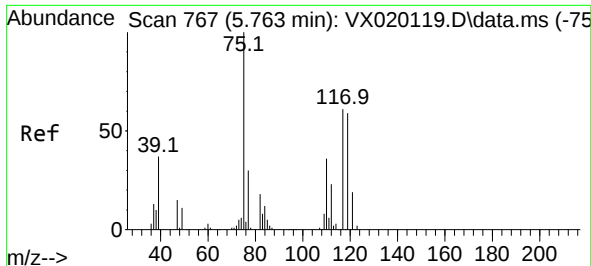
Tgt Ion:114 Resp: 431815
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.89 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

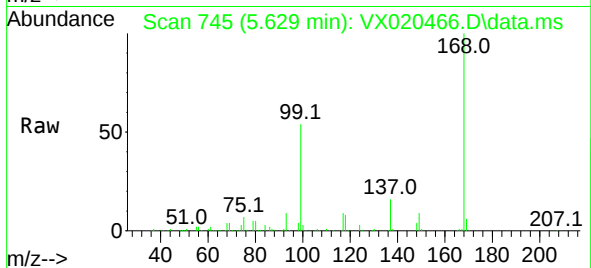
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Ion Ratio Lower Upper
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111 103.0 81.9 122.9
192 20.8 16.7 25.1



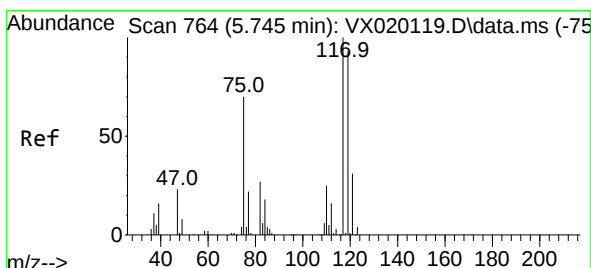
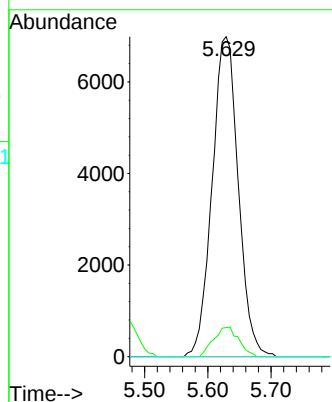
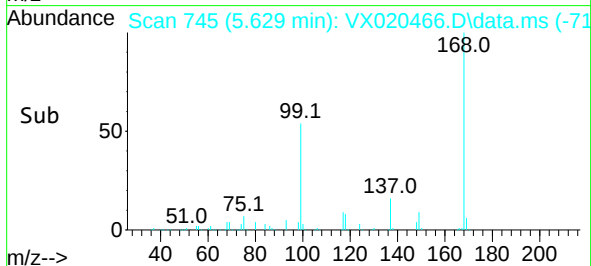


#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

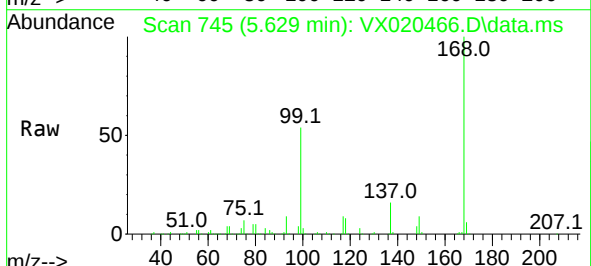
Instrument :
MSVOA_X
ClientSampled :



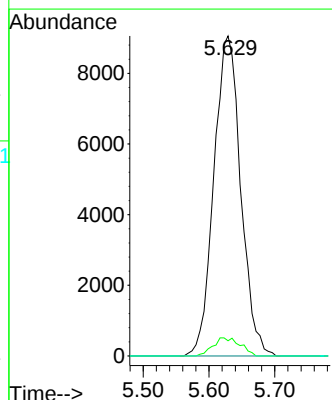
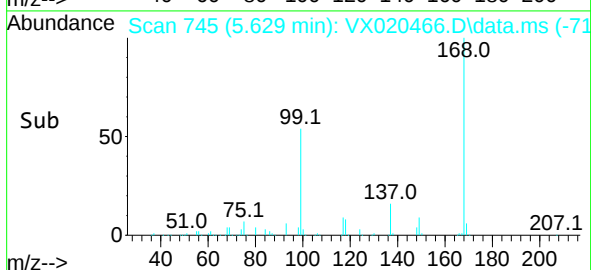
Tgt Ion: 75 Resp: 20037
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#

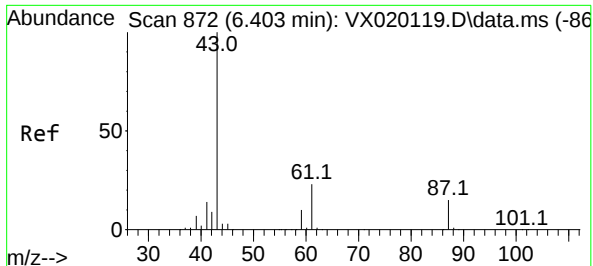


#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15



Tgt Ion: 117 Resp: 25759
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

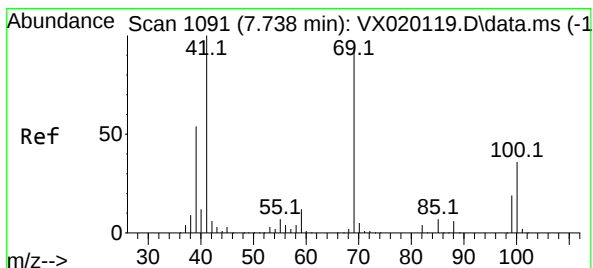
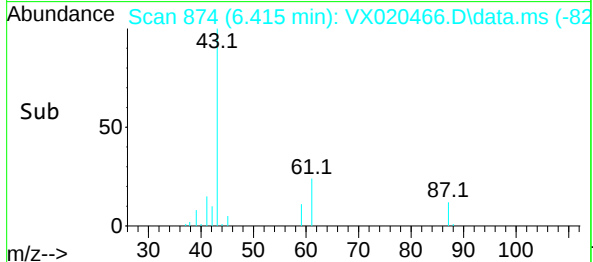
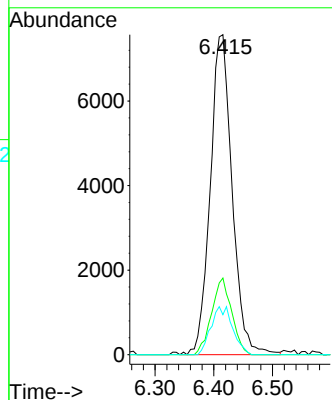
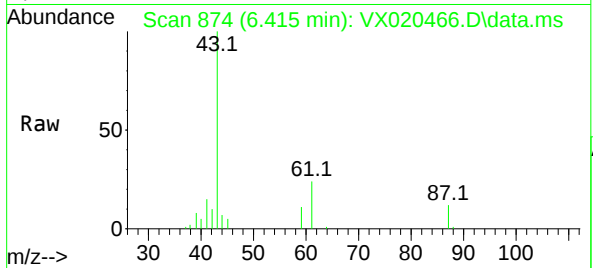




#43
Isopropyl Acetate
Concen: 2.80 ug/l
RT: 6.415 min Scan# 874
Delta R.T. 0.012 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

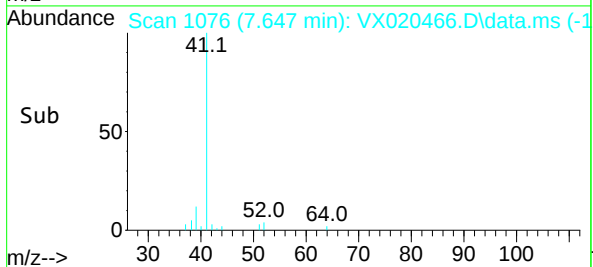
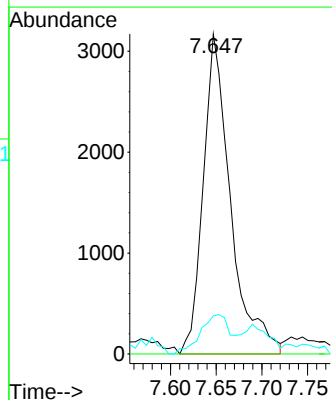
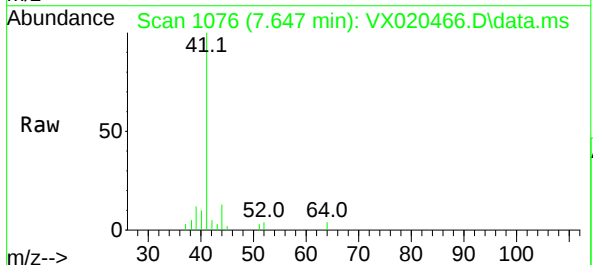
Instrument :
MSVOA_X
ClientSampled :

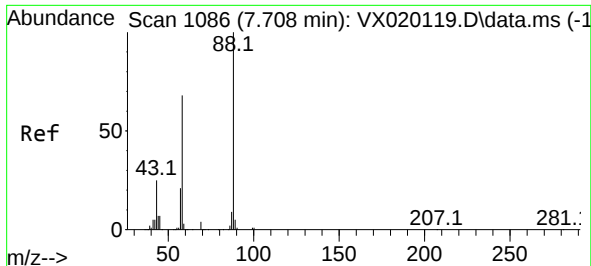
Tgt Ion: 43 Resp: 19606
Ion Ratio Lower Upper
43 100
61 21.9 18.2 27.4
87 14.9 12.5 18.7



#48
Methyl methacrylate
Concen: 1.92 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 41 Resp: 6598
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 1.77 ug/l

RT: 7.848 min Scan# 1109

Delta R.T. 0.140 min

Lab File: VX020466.D

Acq: 30 Dec 2020 19:15

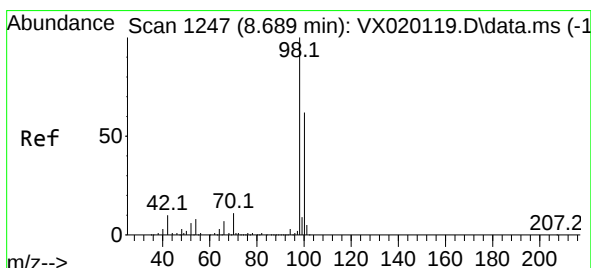
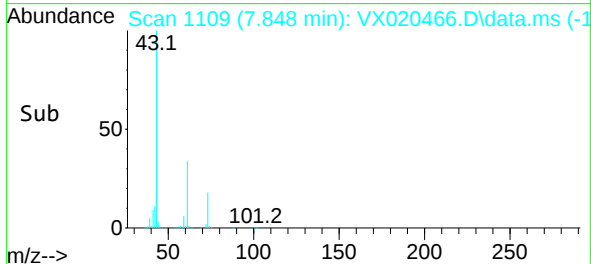
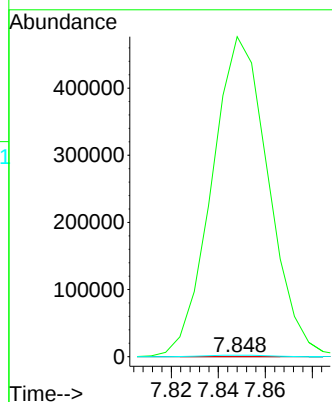
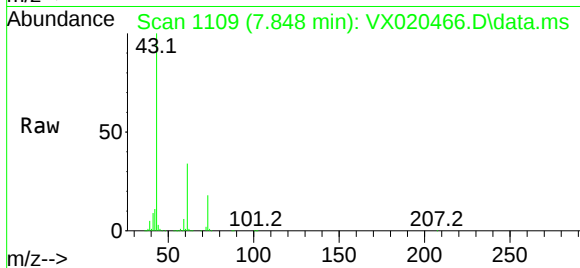
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 568373.2 23.2 34.8#

58 3033.1 55.0 82.4#



#50

Toluene-d8

Concen: 50.69 ug/l

RT: 8.695 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VX020466.D

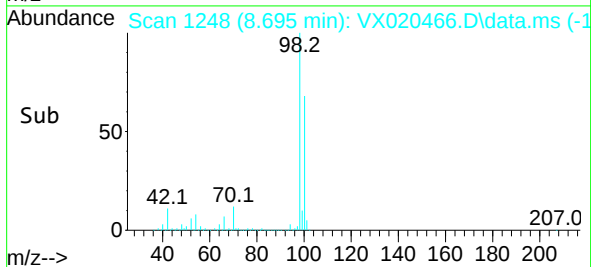
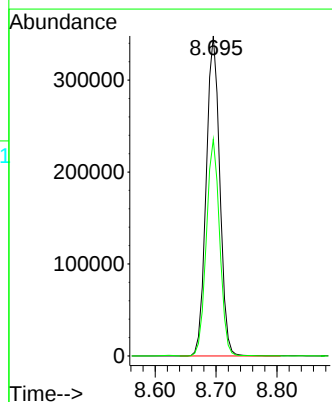
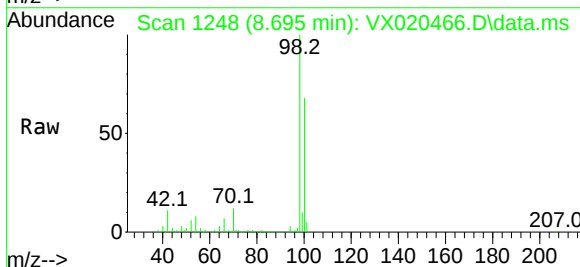
Acq: 30 Dec 2020 19:15

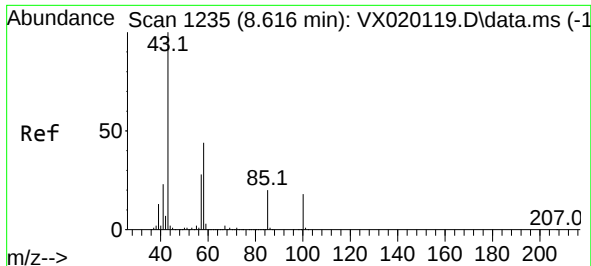
Tgt Ion: 98 Resp: 539023

Ion Ratio Lower Upper

98 100

100 66.5 51.9 77.9

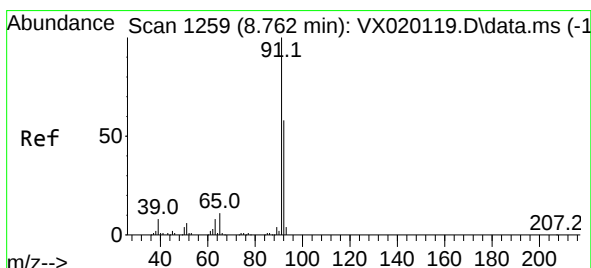
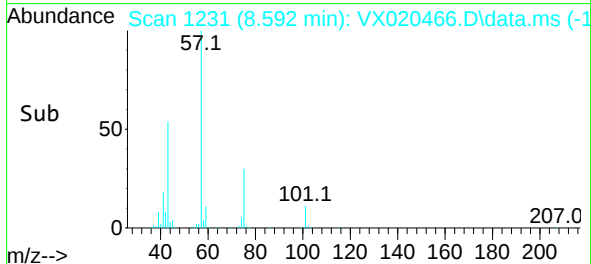
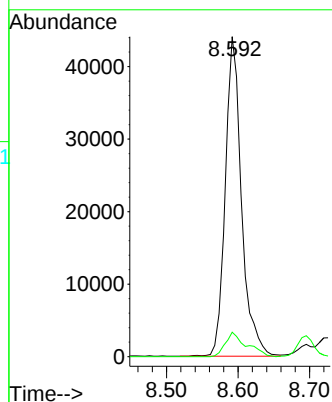
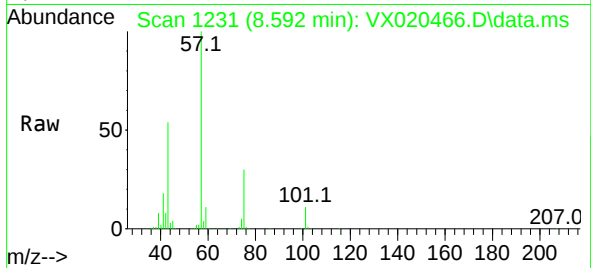




#51
4-Methyl-2-Pentanone
Concen: 16.04 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

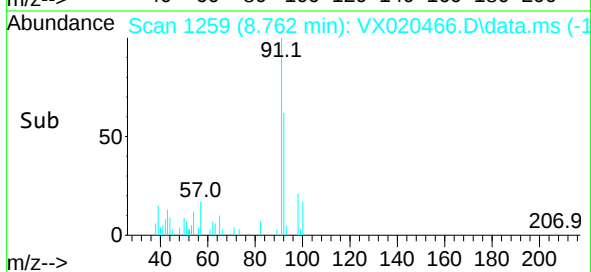
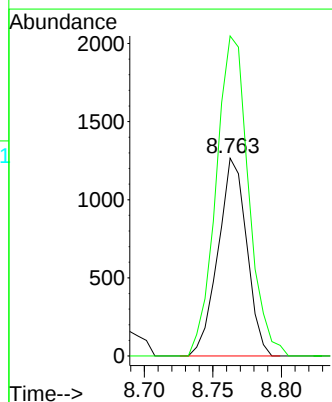
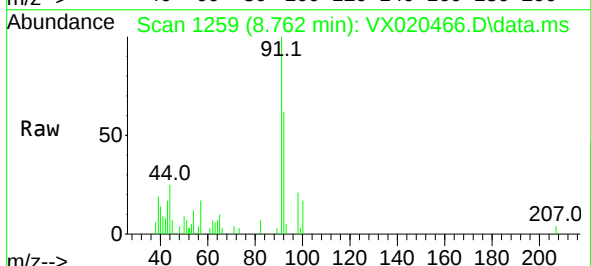
Instrument :
MSVOA_X
ClientSampled :

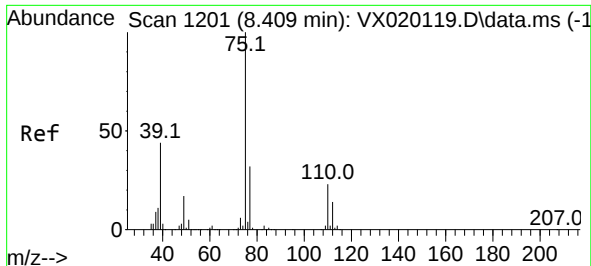
Tgt Ion: 43 Resp: 69528
Ion Ratio Lower Upper
43 100
58 10.0 35.4 53.0#



#52
Toluene
Concen: 0.23 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 92 Resp: 1845
Ion Ratio Lower Upper
92 100
91 182.8 137.1 205.7

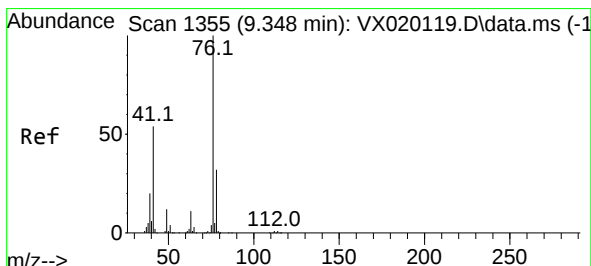
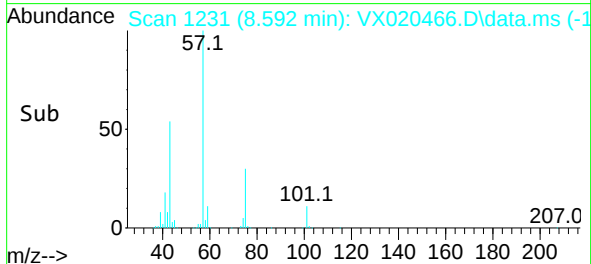
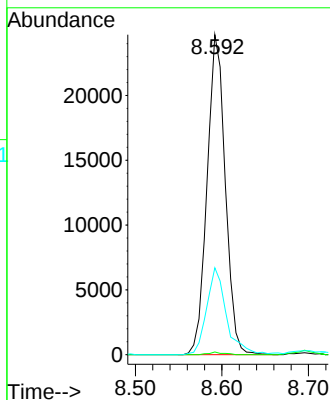
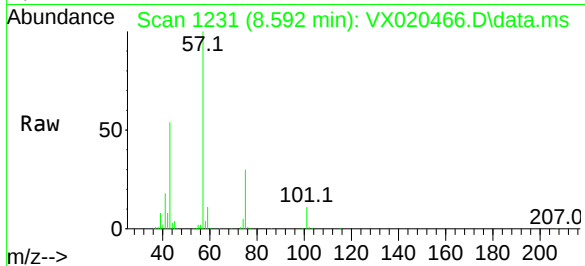




#54
cis-1,3-Dichloropropene
Concen: 6.82 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

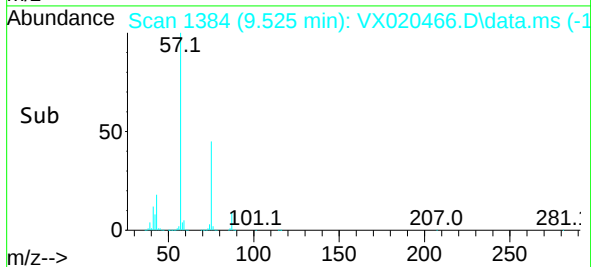
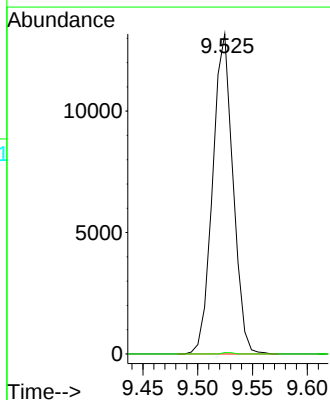
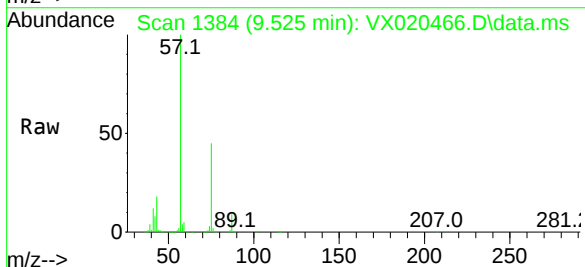
Instrument :
MSVOA_X
ClientSampled :

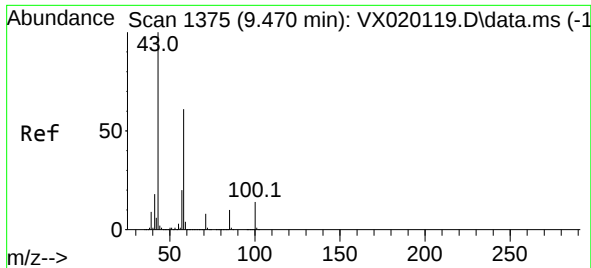
Tgt Ion: 75 Resp: 36041
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 27.1 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 2.99 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 76 Resp: 17040
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

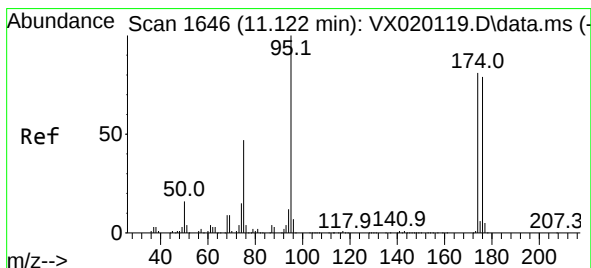
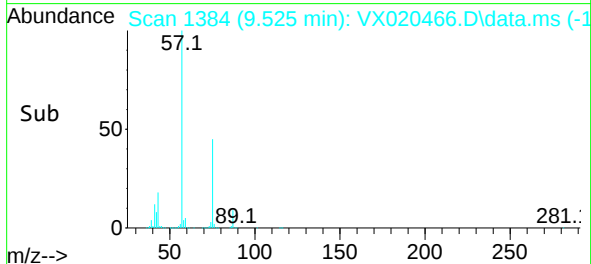
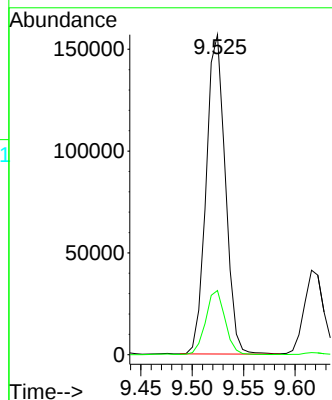
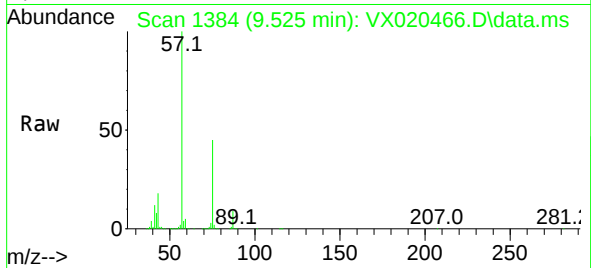




#59
2-Hexanone
Concen: 61.52 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

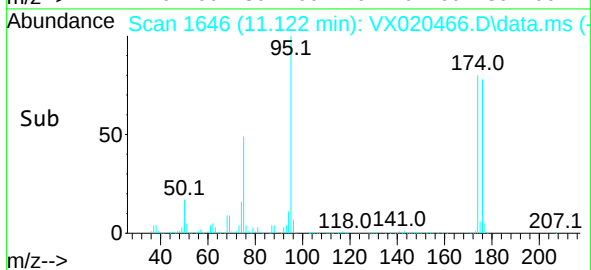
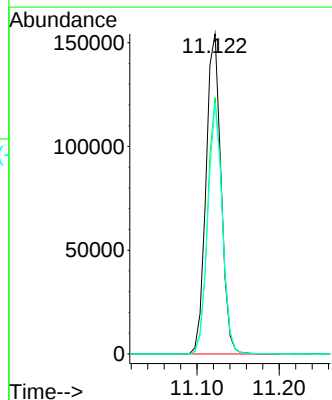
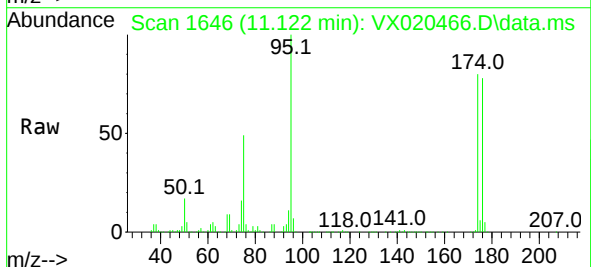
Instrument :
MSVOA_X
ClientSampled :

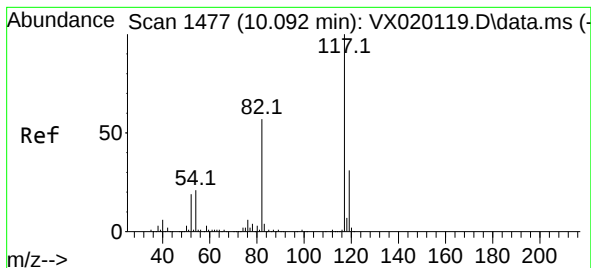
Tgt Ion: 43 Resp: 203207
Ion Ratio Lower Upper
43 100
58 20.3 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.98 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 95 Resp: 195244
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 75.5 0.0 155.8

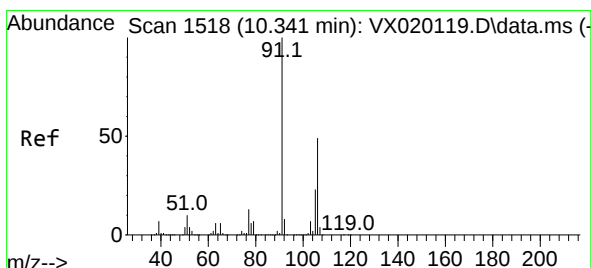
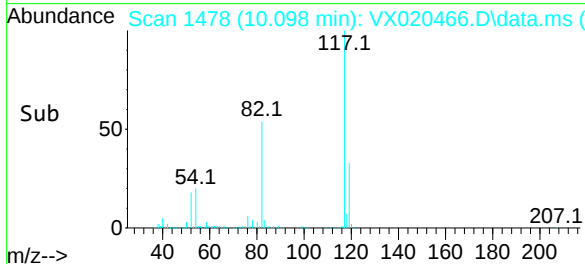
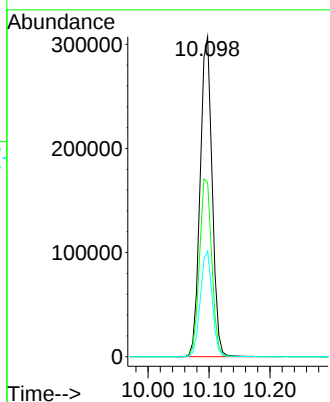
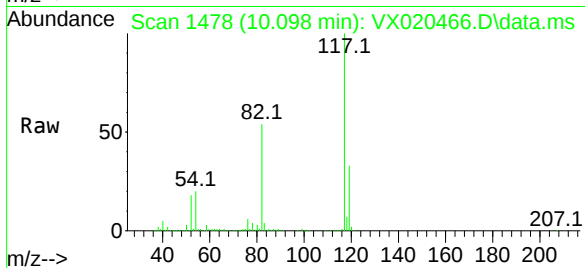




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

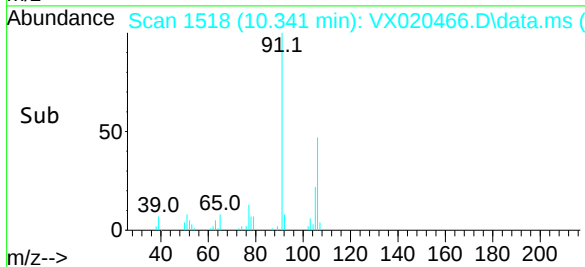
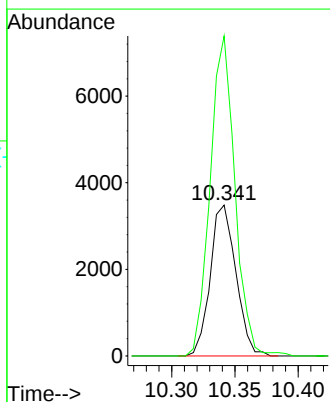
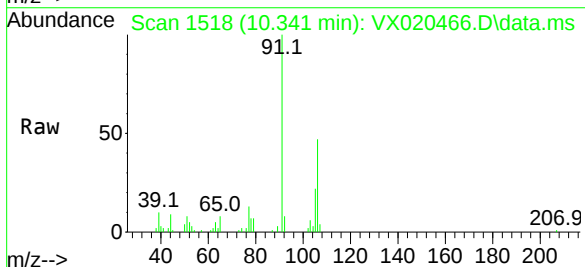
Instrument :
MSVOA_X
ClientSampleId :

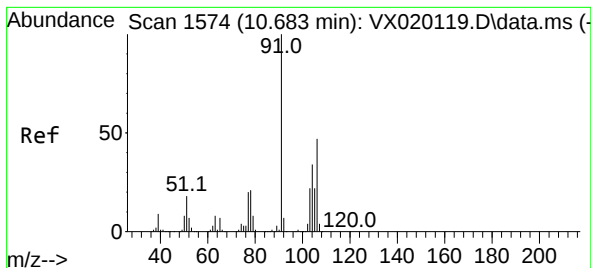
Tgt Ion:117 Resp: 421639
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 33.0 26.6 39.8



#68
m/p-Xylenes
Concen: 0.83 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion:106 Resp: 4914
Ion Ratio Lower Upper
106 100
91 204.6 162.8 244.2

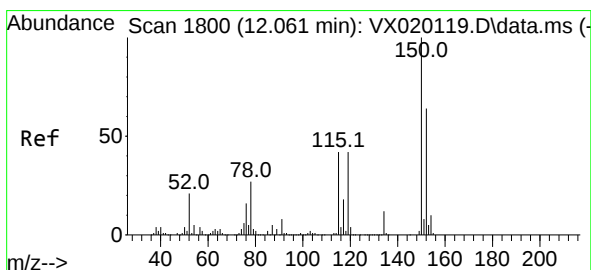
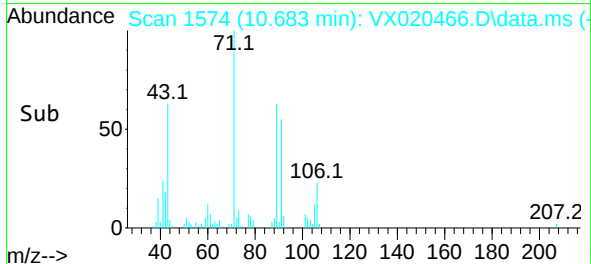
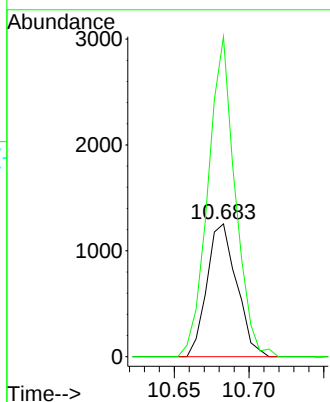
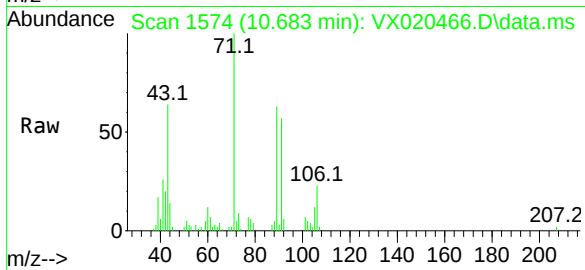




#69
o-Xylene
Concen: 0.31 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

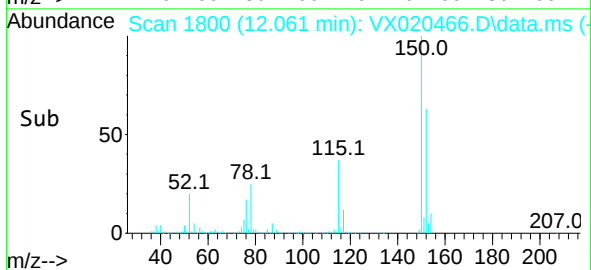
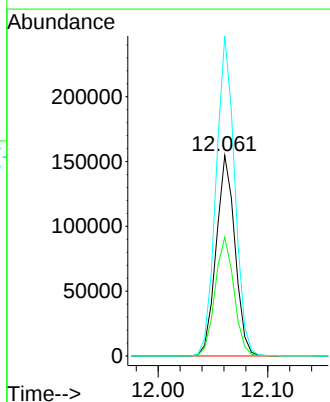
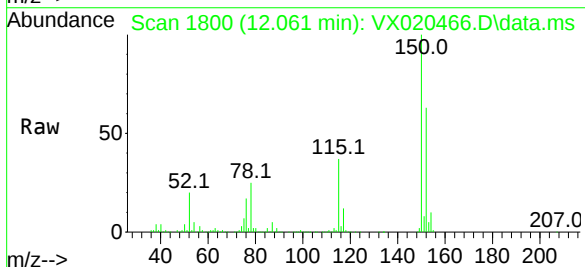
Instrument :
MSVOA_X
ClientSampled :

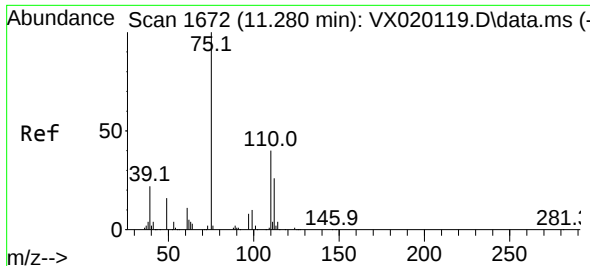
Tgt Ion:106 Resp: 1735
Ion Ratio Lower Upper
106 100
91 220.0 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion:152 Resp: 184004
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 158.7 0.0 349.0

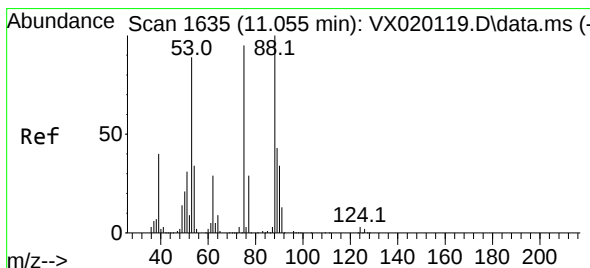
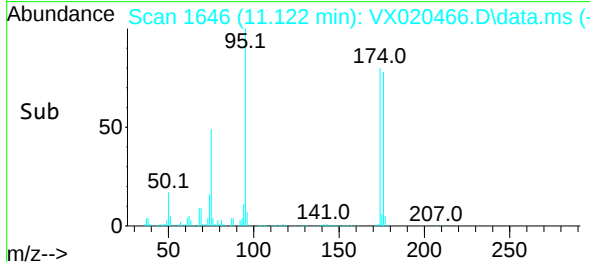
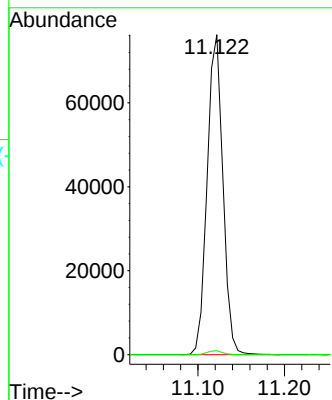
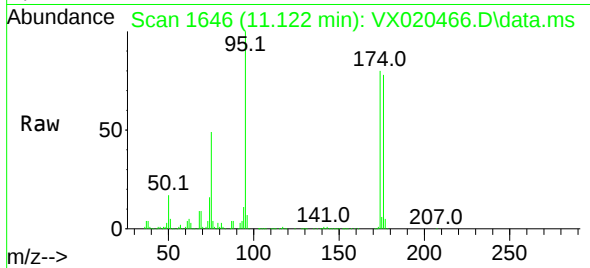




#76
1,2,3-Trichloropropane
Concen: 21.19 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 96041
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.86 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020466.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 75 Resp: 96041
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

