

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123020\
 Data File : VX020448.D
 Acq On : 30 Dec 2020 12:11
 Operator : JC/MD
 Sample : VX1230WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 01:04:23 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)

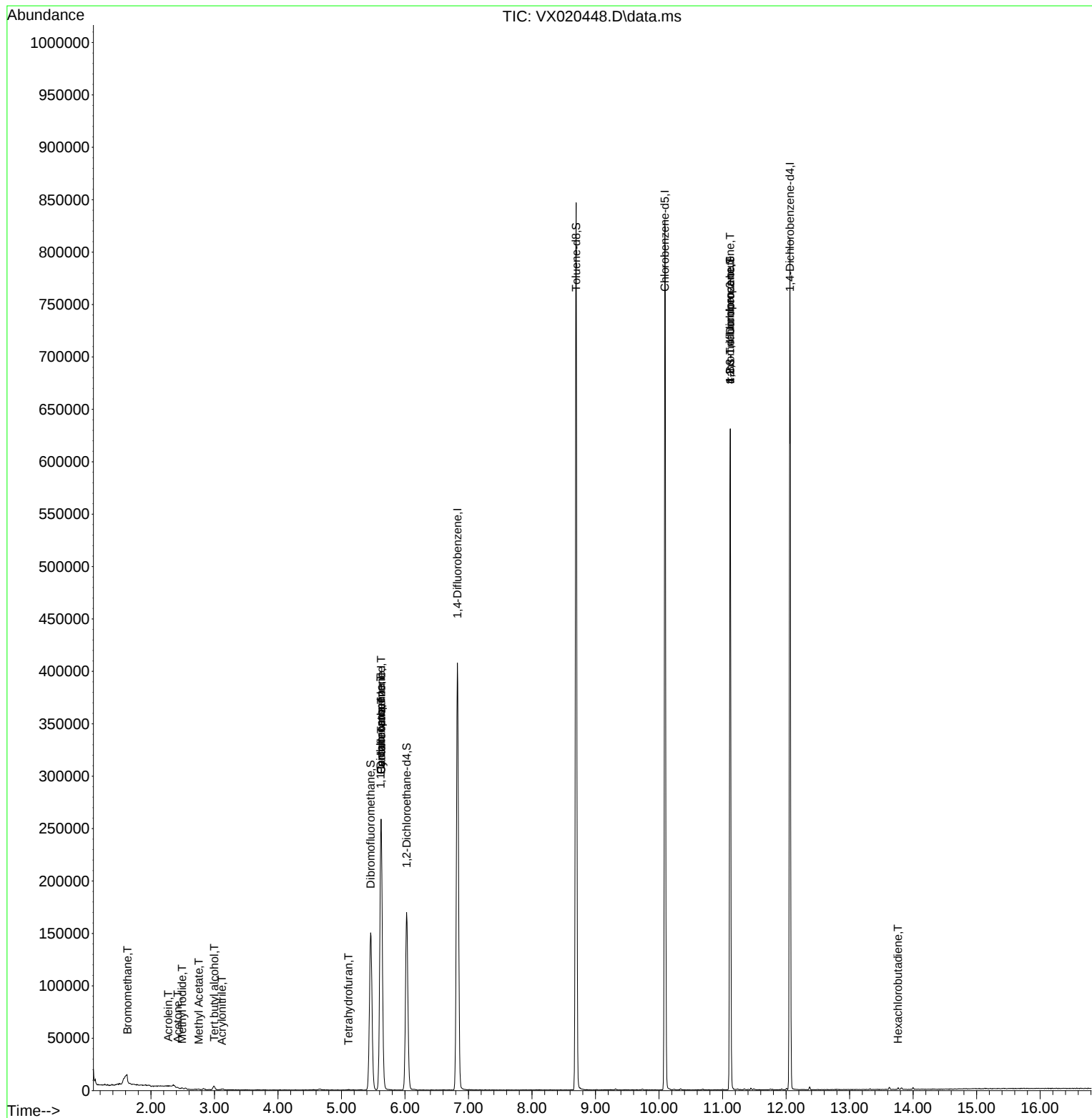
Internal Standards						
1) Pentafluorobenzene	5.623	168	246695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	410619	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	388805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	162921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	160531	48.55	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	97.10%	
35) Dibromofluoromethane	5.458	113	131879	50.21	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.42%	
50) Toluene-d8	8.695	98	507903	50.23	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.122	95	171984	44.44	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	88.88%	
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	562	0.52	ug/l	99
10) Methyl Iodide	2.489	142	1239	3.63	ug/l	93
11) Tert butyl alcohol	2.995	59	2106	2.84	ug/l #	73
13) Acrolein	2.270	56	419	0.91	ug/l #	36
15) Acrylonitrile	3.117	53	419	0.25	ug/l #	90
16) Acetone	2.422	43	1103	0.73	ug/l #	85
18) Methyl Acetate	2.751	43	805	0.24	ug/l #	80
29) Tetrahydrofuran	5.111	42	362	0.26	ug/l #	36
31) Cyclohexane	5.623	56	4921	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.617	75	19358	4.77	ug/l #	48
38) Carbon Tetrachloride	5.623	117	24115	6.25	ug/l #	17
76) 1,2,3-Trichloropropane	11.122	75	83799	20.88	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	83799	61.95	ug/l #	12
94) Hexachlorobutadiene	13.762	225	302	2.84	ug/l	94

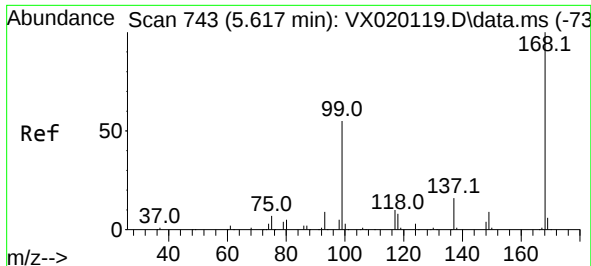
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 01:04:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
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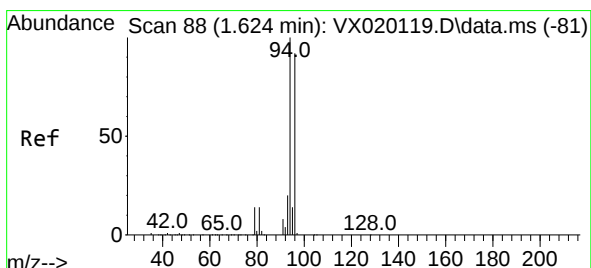
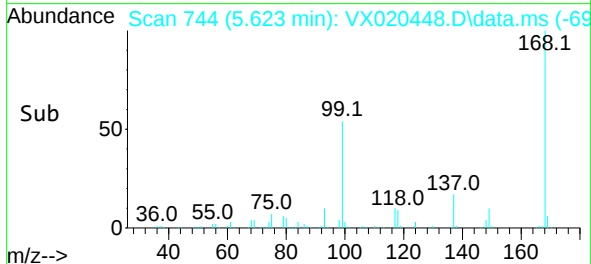
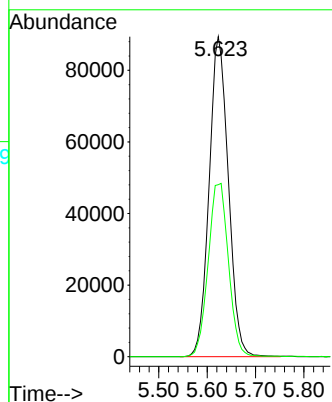
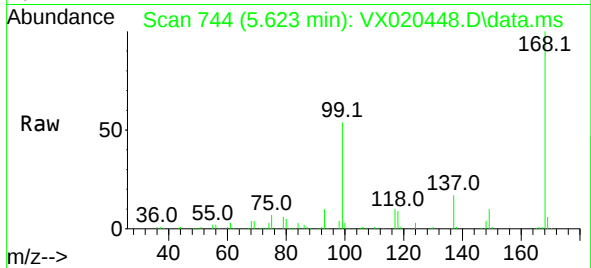




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

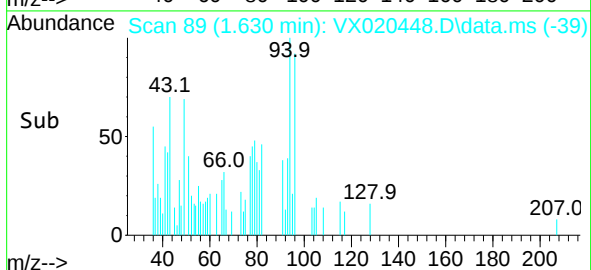
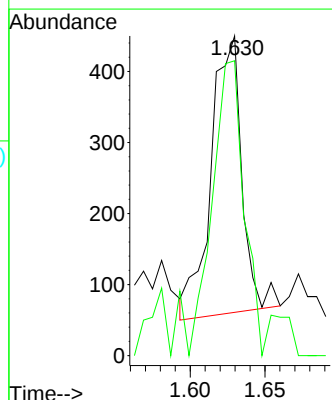
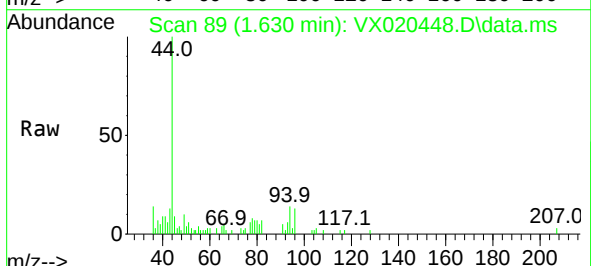
Instrument :
MSVOA_X
ClientSampled :

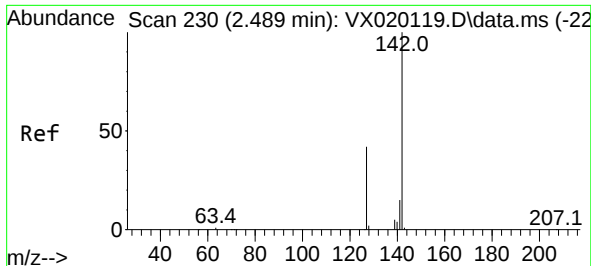
Tgt Ion:168 Resp: 246695
Ion Ratio Lower Upper
168 100
99 53.8 45.8 68.6



#5
Bromomethane
Concen: 0.52 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

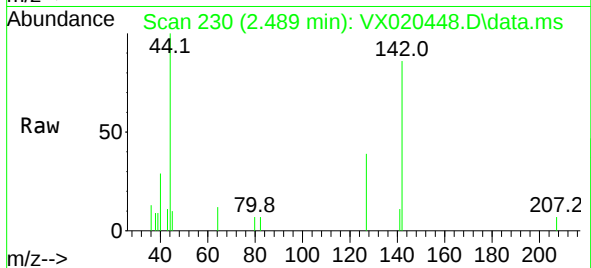
Tgt Ion: 94 Resp: 562
Ion Ratio Lower Upper
94 100
96 95.0 76.4 114.6



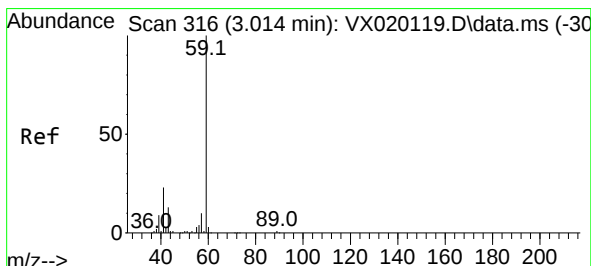
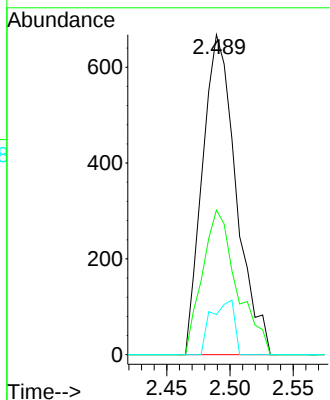
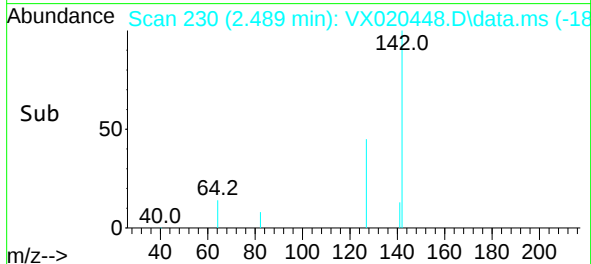


#10
Methyl Iodide
Concen: 3.63 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

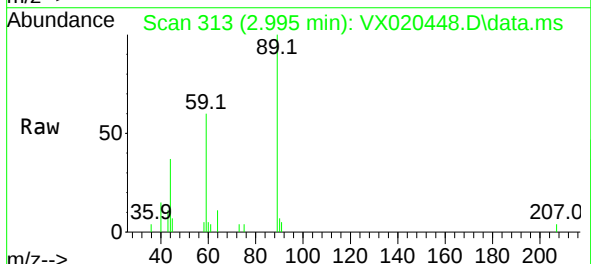
Instrument :
MSVOA_X
ClientSampled :



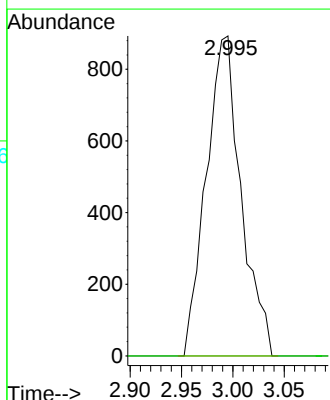
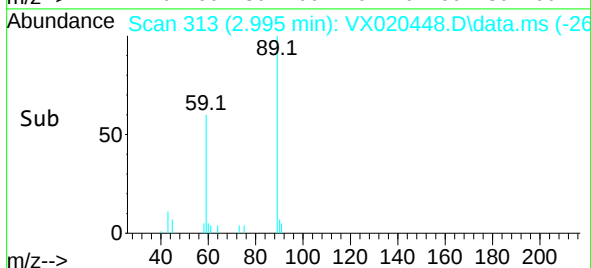
Tgt Ion:142 Resp: 1239
Ion Ratio Lower Upper
142 100
127 46.3 33.3 49.9
141 11.6 11.4 17.0

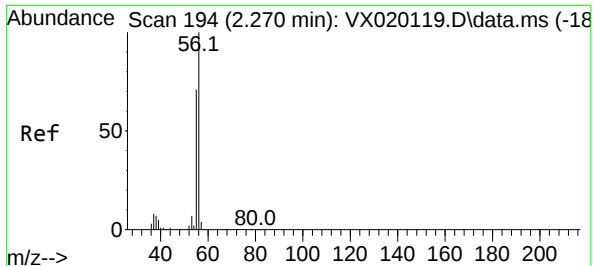


#11
Tert butyl alcohol
Concen: 2.84 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11



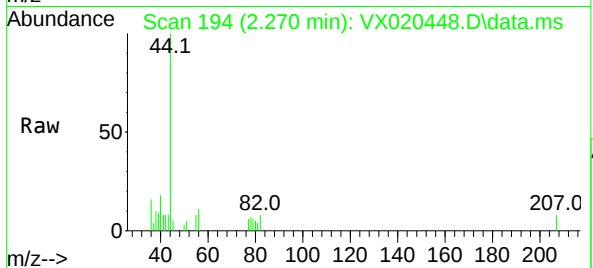
Tgt Ion: 59 Resp: 2106
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



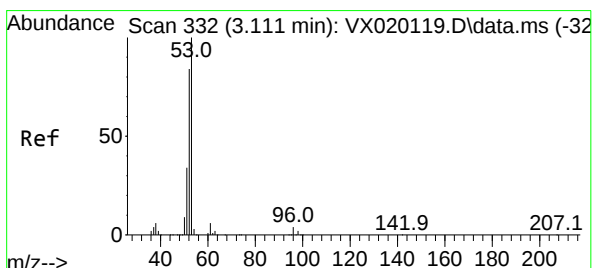
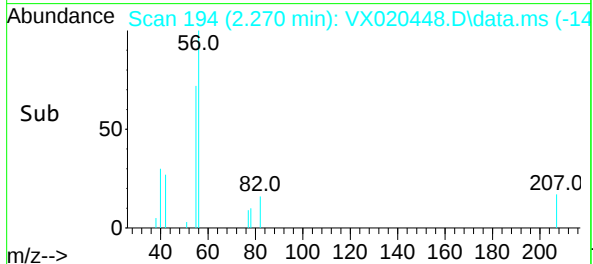
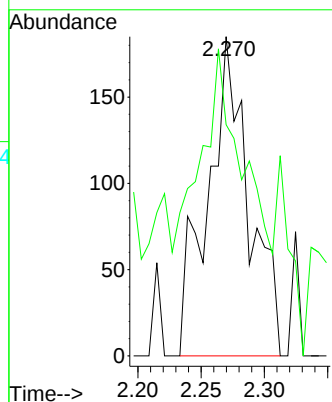


#13
Acrolein
Concen: 0.91 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

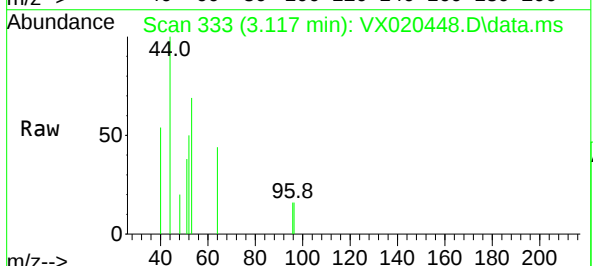
Instrument :
MSVOA_X
ClientSampled :



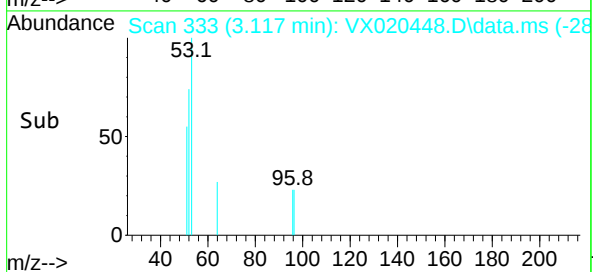
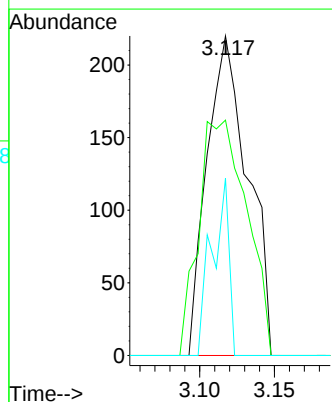
Tgt Ion: 56 Resp: 419
Ion Ratio Lower Upper
56 100
55 122.9 56.4 84.6#

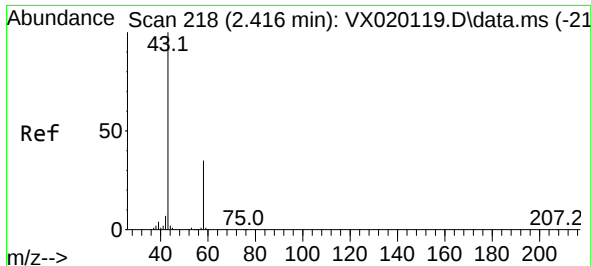


#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11



Tgt Ion: 53 Resp: 419
Ion Ratio Lower Upper
53 100
52 86.4 65.3 97.9
51 23.2 28.2 42.2#

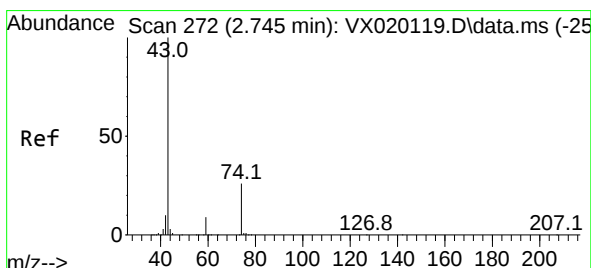
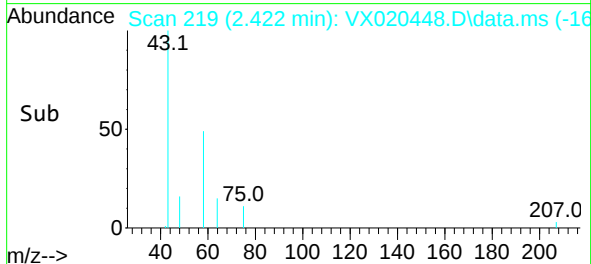
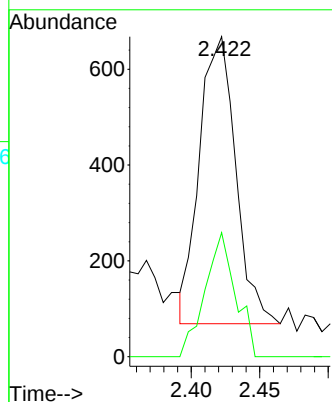
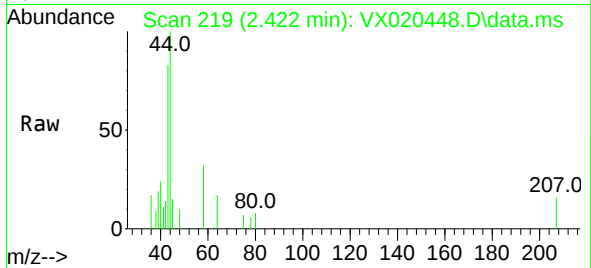




#16
Acetone
Concen: 0.73 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

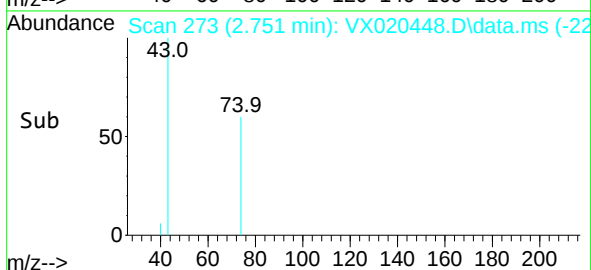
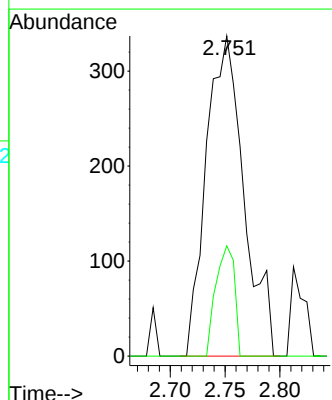
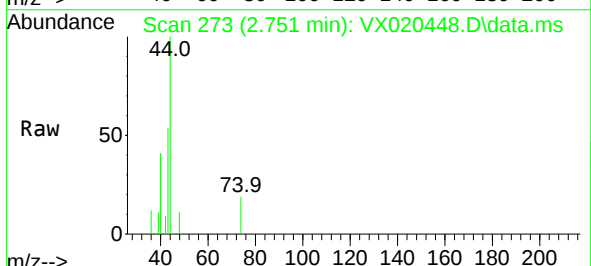
Instrument :
MSVOA_X
ClientSampled :

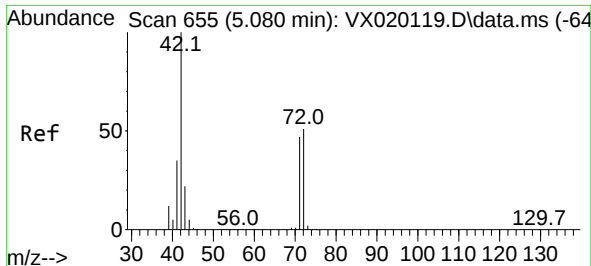
Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
58 43.2 27.8 41.8#



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
74 17.0 21.9 32.9#





#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 5.111 min Scan# 660

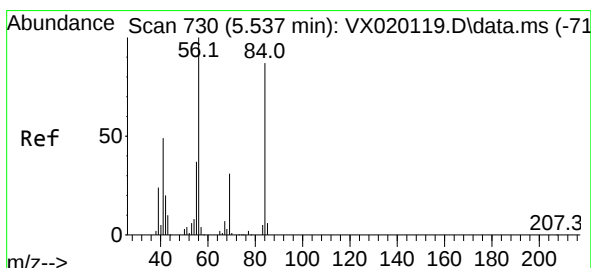
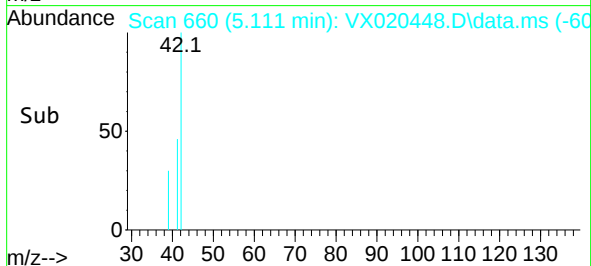
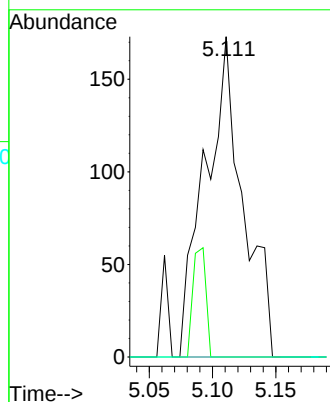
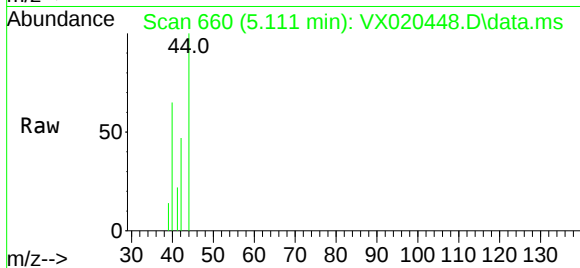
Delta R.T. 0.031 min

Lab File: VX020448.D

Acq: 30 Dec 2020 12:11

Tgt Ion: 42	Resp: 362
Ion Ratio	Lower Upper
42	100
72	11.6 41.7 62.5#
71	0.0 38.4 57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.08 ug/l

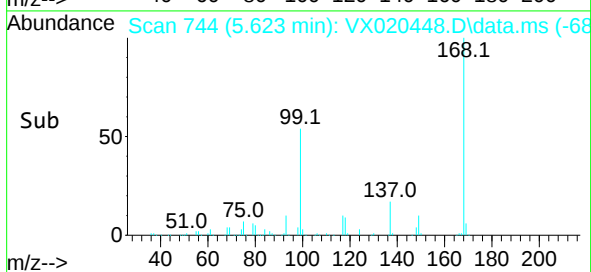
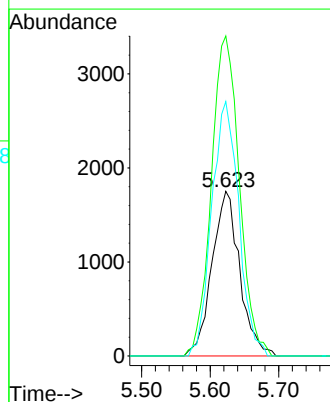
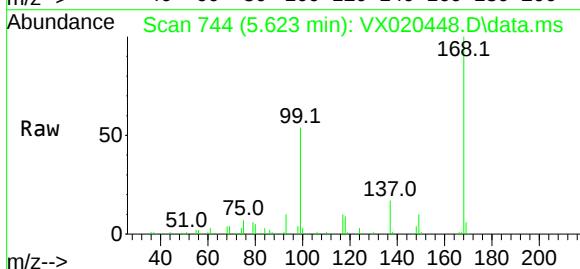
RT: 5.623 min Scan# 744

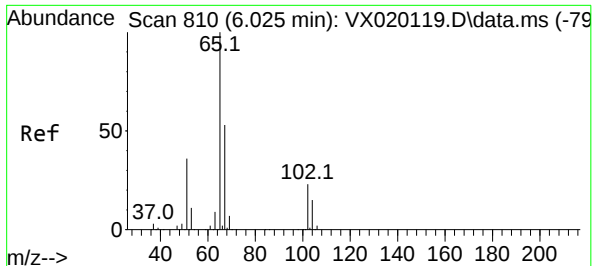
Delta R.T. 0.086 min

Lab File: VX020448.D

Acq: 30 Dec 2020 12:11

Tgt Ion: 56	Resp: 4921
Ion Ratio	Lower Upper
56	100
69	194.4 25.3 37.9#
84	154.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.55 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020448.D

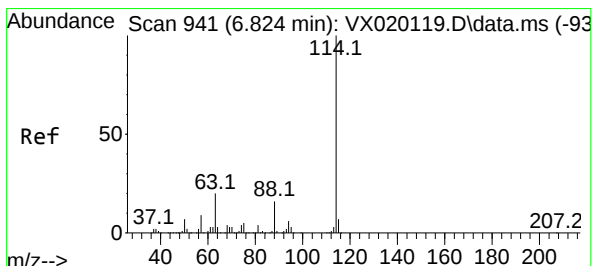
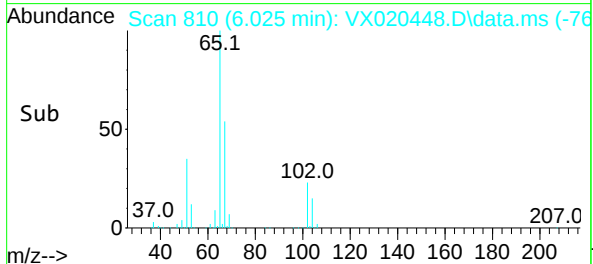
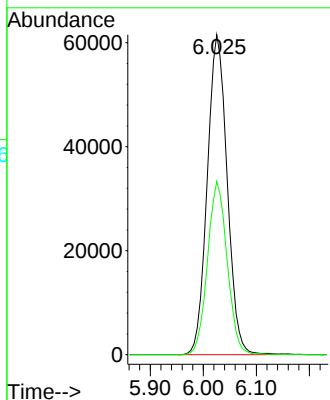
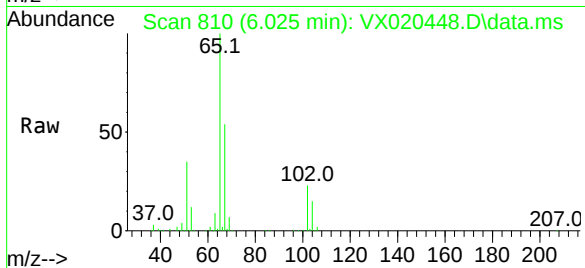
Acq: 30 Dec 2020 12:11

Tgt Ion: 65 Resp: 160531

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.824 min Scan# 941

Delta R.T. -0.000 min

Lab File: VX020448.D

Acq: 30 Dec 2020 12:11

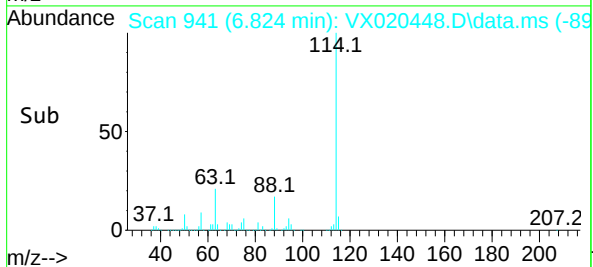
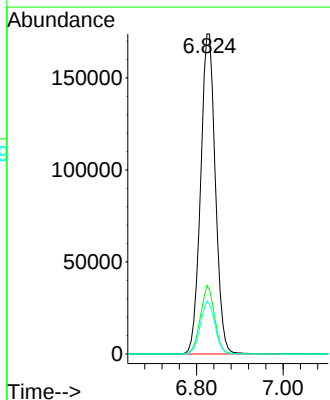
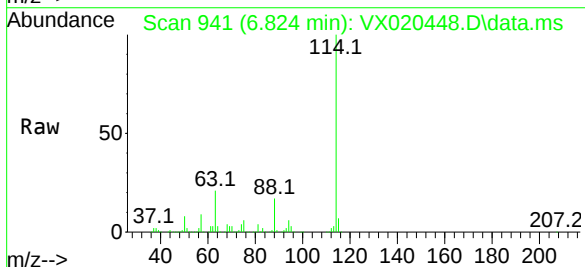
Tgt Ion: 114 Resp: 410619

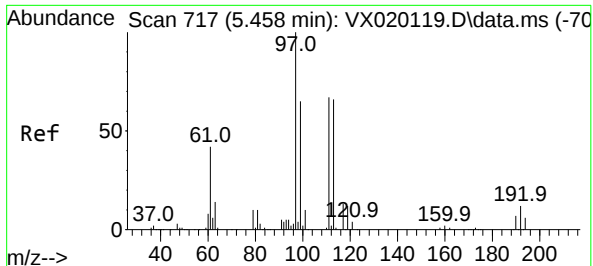
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

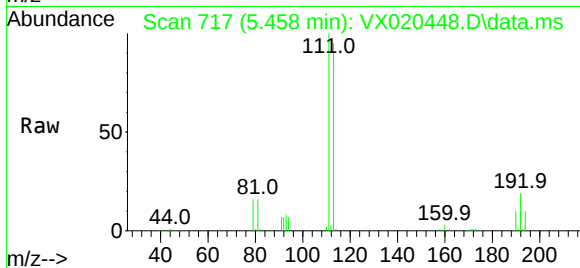
88 16.5 0.0 32.8



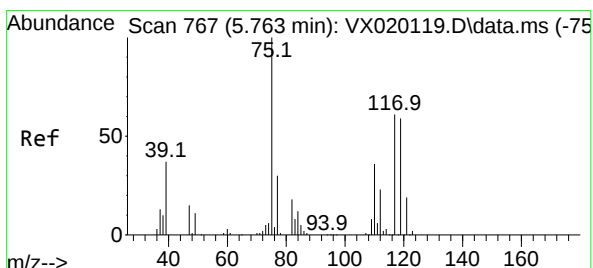
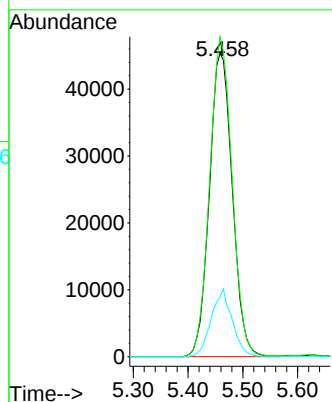
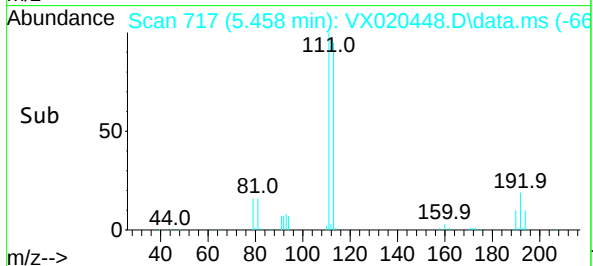


#35
Dibromofluoromethane
Concen: 50.21 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

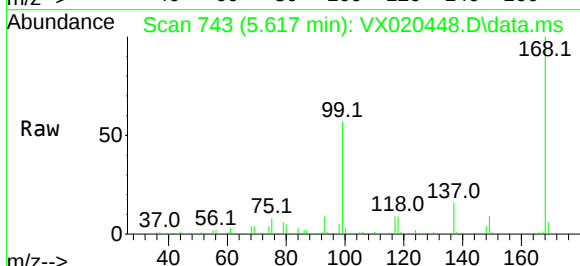
Instrument :
MSVOA_X
ClientSampled :



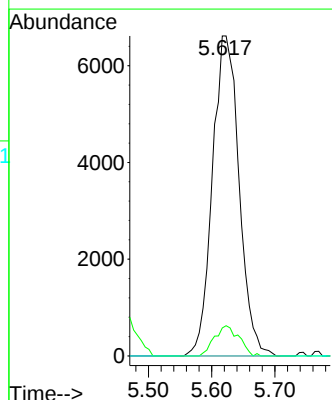
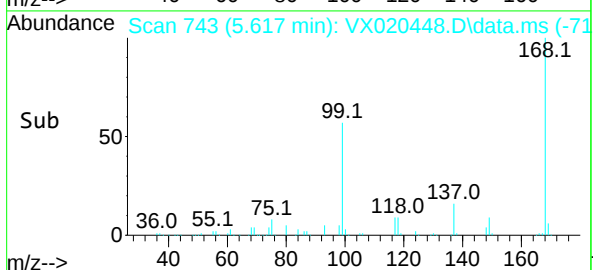
Tgt Ion:113 Resp: 131879
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.3 16.7 25.1

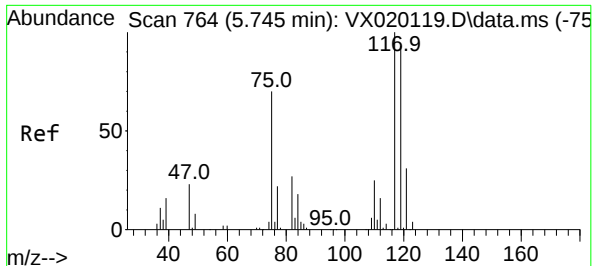


#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.146 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11



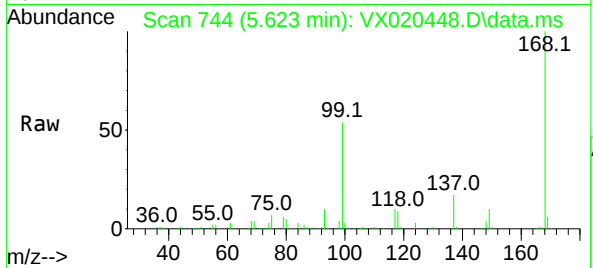
Tgt Ion: 75 Resp: 19358
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



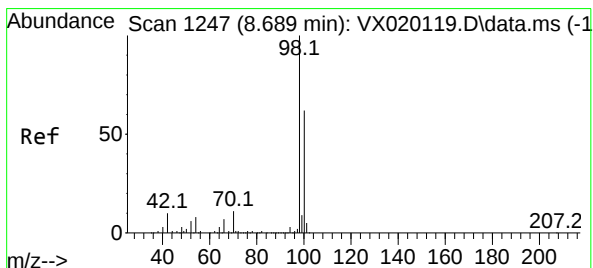
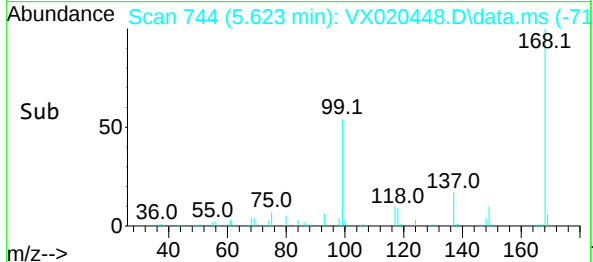
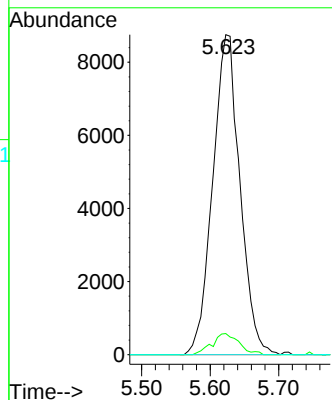


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

Instrument :
MSVOA_X
ClientSampled :

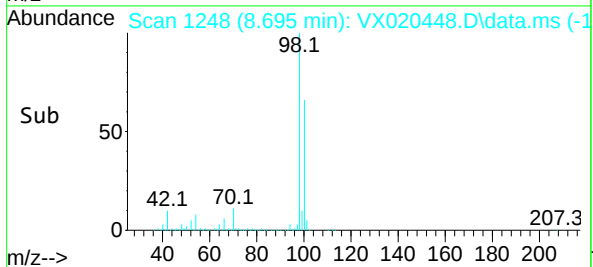
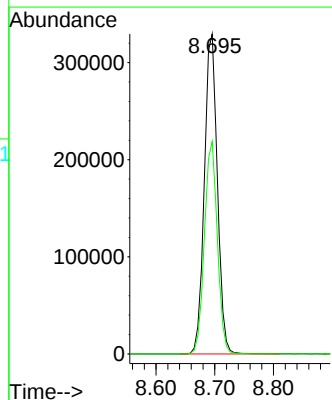
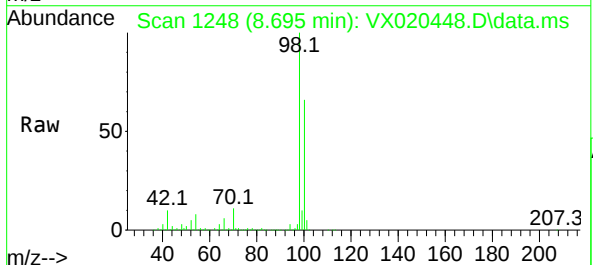


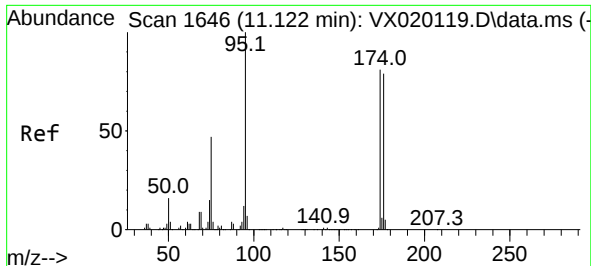
Tgt Ion:117 Resp: 24115
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.23 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

Tgt Ion: 98 Resp: 507903
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

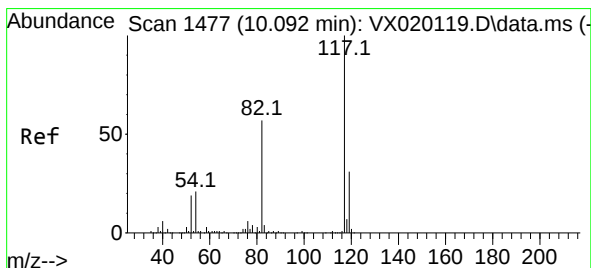
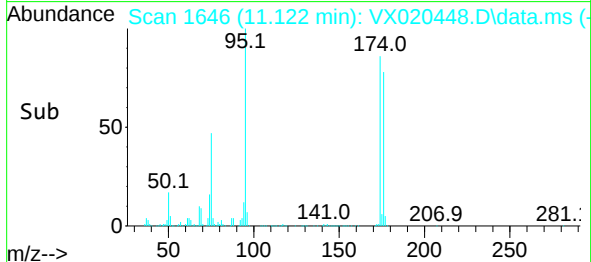
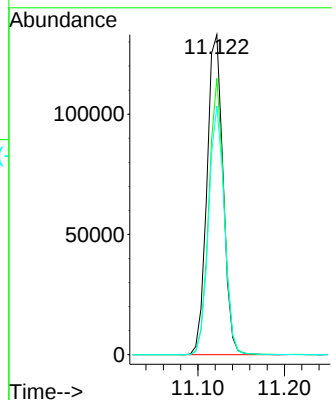
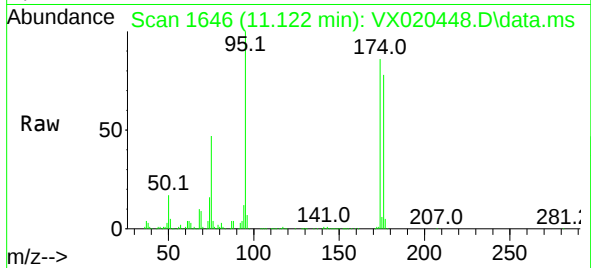




#62
4-Bromofluorobenzene
Concen: 44.44 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

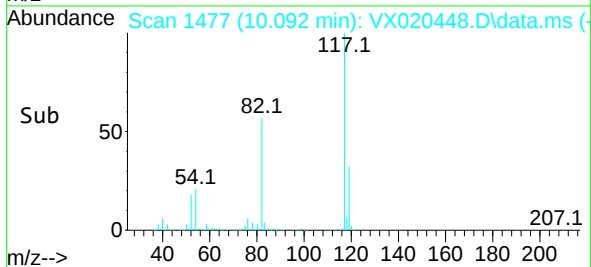
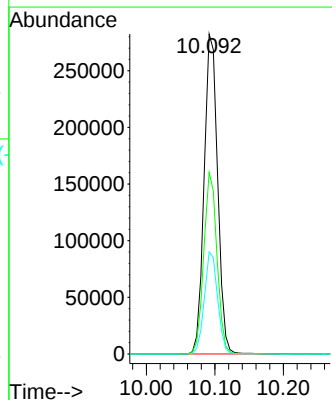
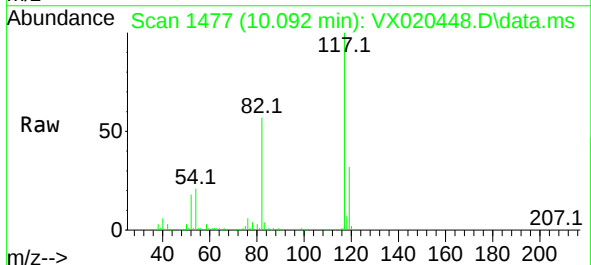
Instrument :
MSVOA_X
ClientSampled :

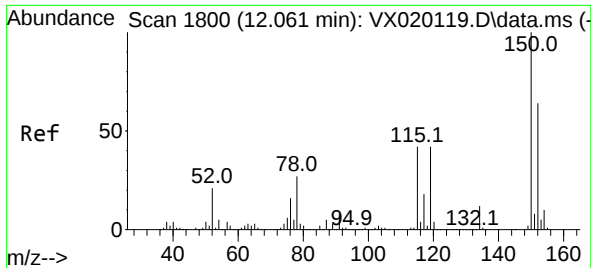
Tgt Ion: 95 Resp: 171984
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 75.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

Tgt Ion: 117 Resp: 388805
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.9 26.6 39.8

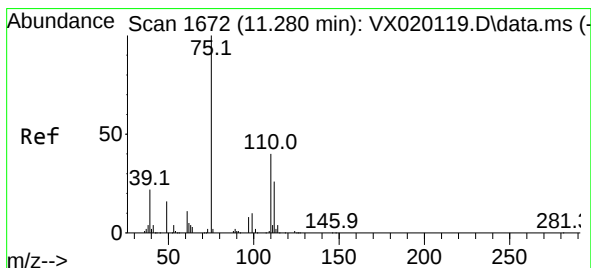
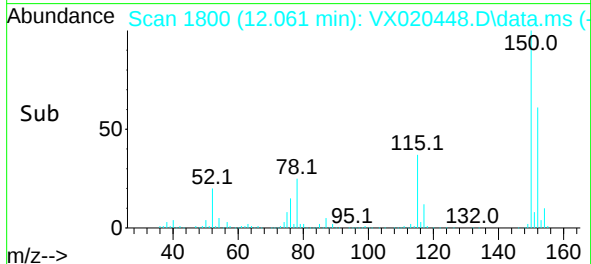
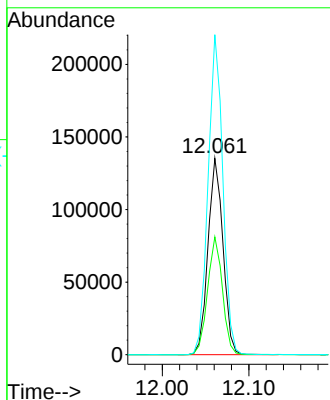
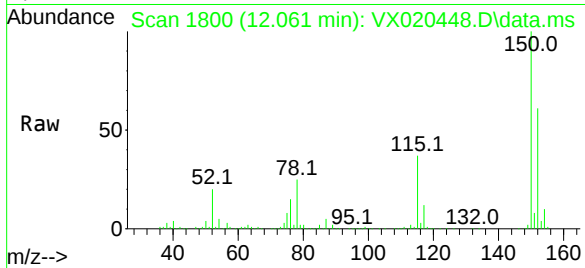




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020448.D
 Acq: 30 Dec 2020 12:11

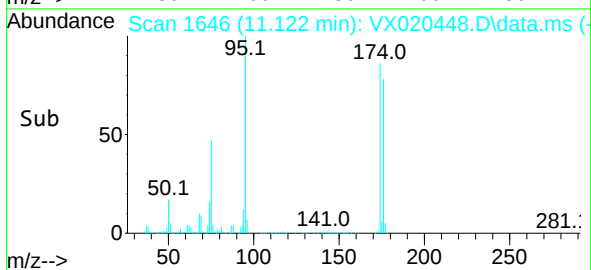
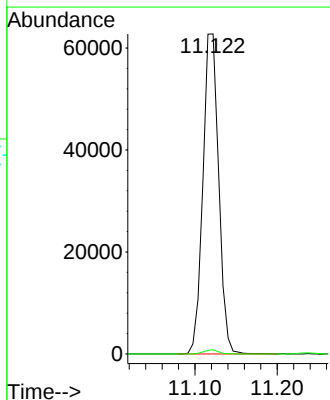
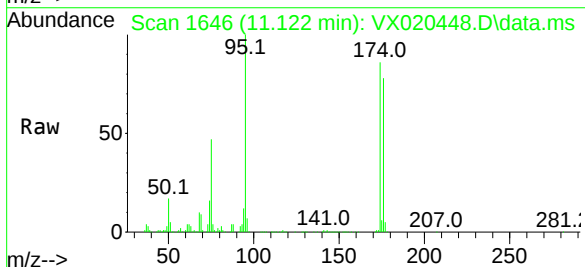
Instrument :
 MSVOA_X
 ClientSampled :

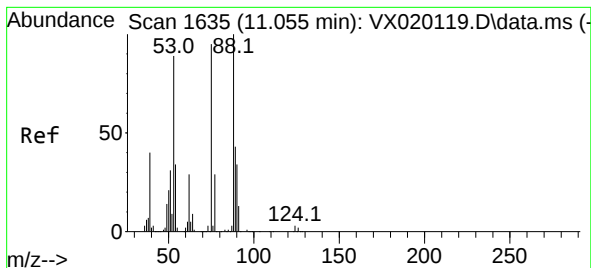
Tgt Ion:152 Resp: 162921
 Ion Ratio Lower Upper
 152 100
 115 59.3 41.1 123.3
 150 160.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 20.88 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020448.D
 Acq: 30 Dec 2020 12:11

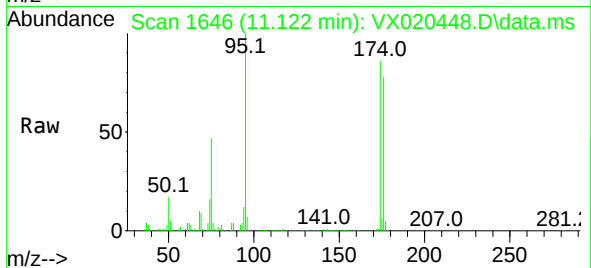
Tgt Ion: 75 Resp: 83799
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



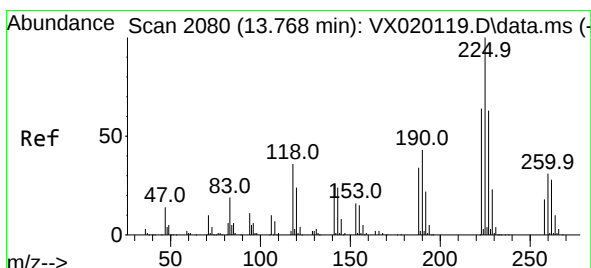
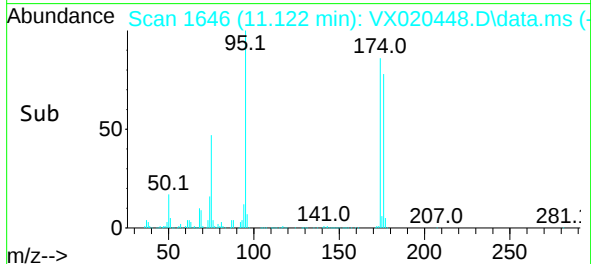
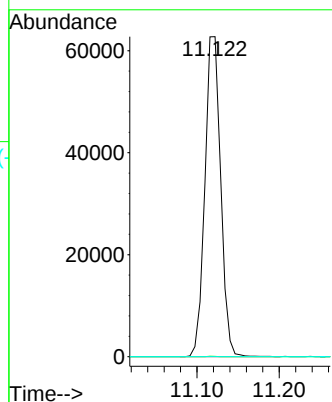


#81
trans-1,4-Dichloro-2-butene
Concen: 61.95 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 75 Resp: 83799
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.84 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX020448.D
Acq: 30 Dec 2020 12:11

Tgt Ion: 225 Resp: 302
Ion Ratio Lower Upper
225 100
223 62.9 31.1 93.2
227 54.3 31.6 95.0

