

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020394.D
 Acq On : 24 Dec 2020 17:43
 Operator : JC/MD
 Sample : L5124-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:15:46 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)

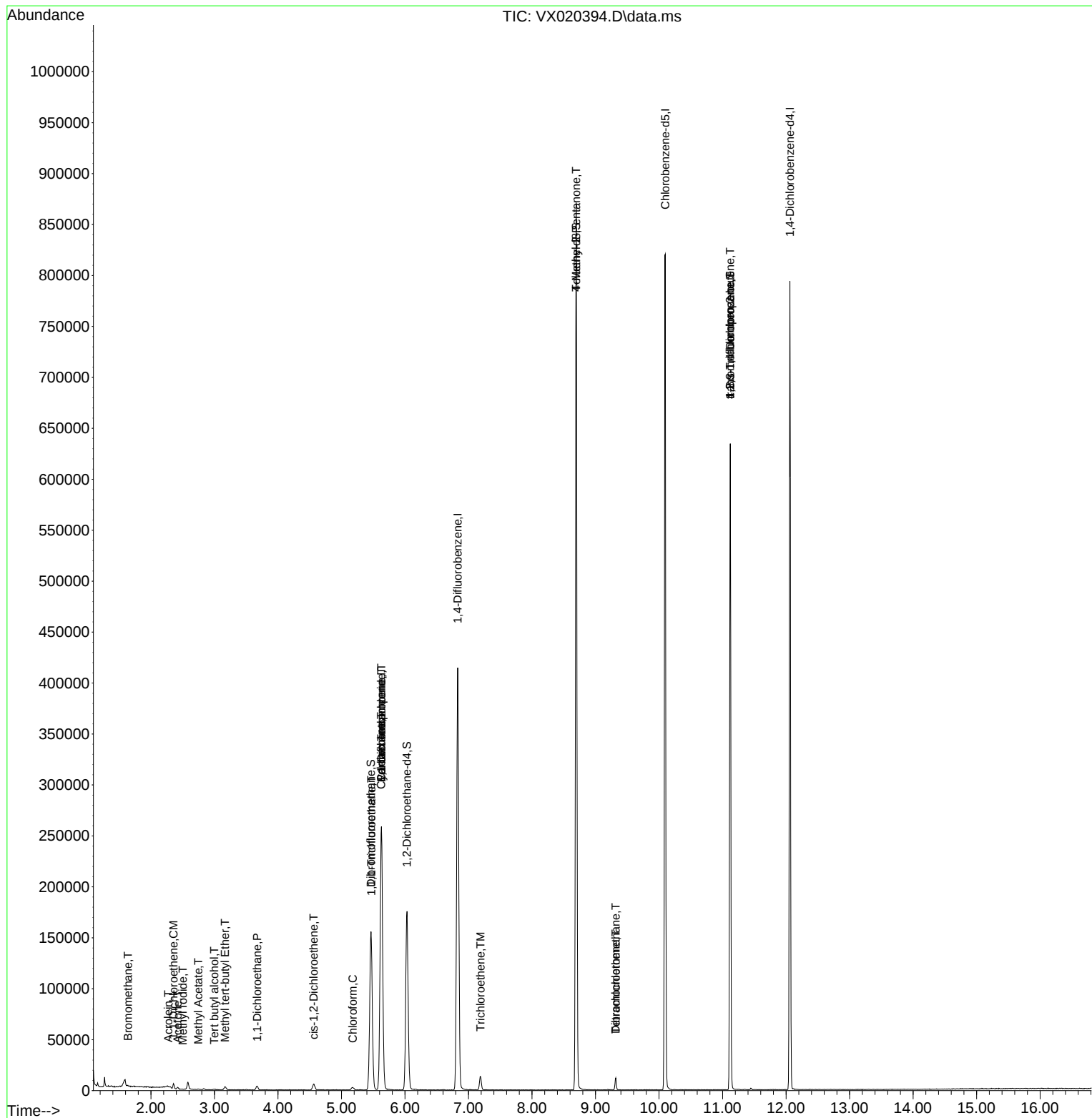
Internal Standards						
1) Pentafluorobenzene	5.629	168	243338	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	410104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	384224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	162102	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	166235	50.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.92%			
35) Dibromofluoromethane	5.464	113	133599	50.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.86%			
50) Toluene-d8	8.696	98	503431	49.85	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.70%			
62) 4-Bromofluorobenzene	11.122	95	172156	44.54	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.08%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	526	0.49	ug/l	86
10) Methyl Iodide	2.502	142	70	3.31	ug/l #	42
11) Tert butyl alcohol	2.995	59	486	0.67	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	1633	0.66	ug/l	96
13) Acrolein	2.270	56	97	0.21	ug/l	83
16) Acetone	2.416	43	1512	1.02	ug/l #	81
18) Methyl Acetate	2.745	43	692	0.21	ug/l #	70
19) Methyl tert-butyl Ether	3.166	73	3264	0.35	ug/l	93
24) 1,1-Dichloroethane	3.672	63	4298	0.81	ug/l	99
27) cis-1,2-Dichloroethene	4.562	96	3741	1.10	ug/l	91
30) Chloroform	5.178	83	3022	0.56	ug/l	94
31) Cyclohexane	5.623	56	4881	1.09	ug/l #	1
32) 1,1,1-Trichloroethane	5.471	97	1871	0.42	ug/l #	48
36) 1,1-Dichloropropene	5.629	75	19194	4.74	ug/l #	48
38) Carbon Tetrachloride	5.629	117	24091	6.25	ug/l #	16
44) Trichloroethene	7.190	130	5181	1.59	ug/l	90
51) 4-Methyl-2-Pentanone	8.696	43	2040	0.50	ug/l #	1
60) Dibromochloromethane	9.317	129	2105	0.67	ug/l #	11
64) Tetrachloroethene	9.317	164	2278	0.79	ug/l	92
76) 1,2,3-Trichloropropane	11.122	75	84727	21.22	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	84727	62.95	ug/l #	12

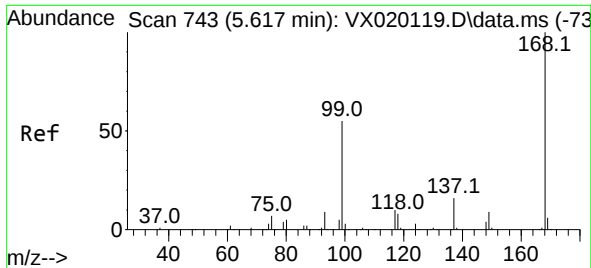
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

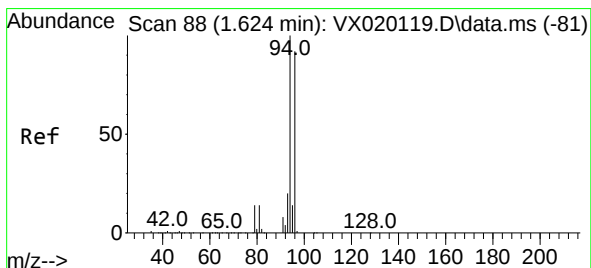
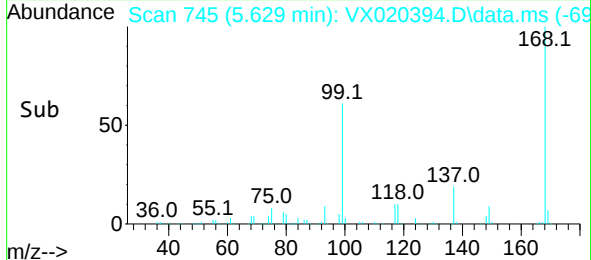
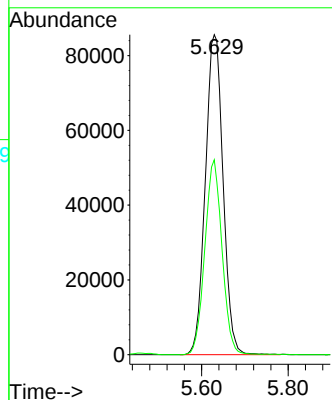
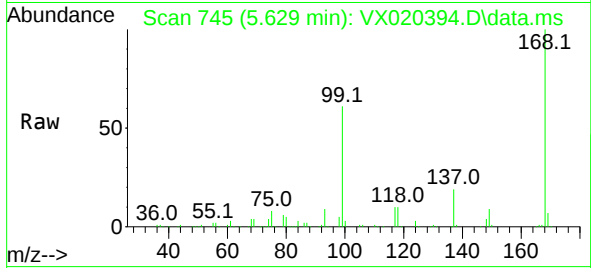




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

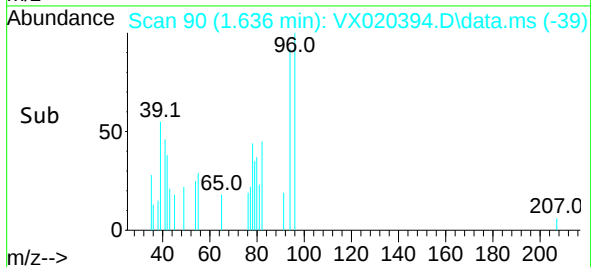
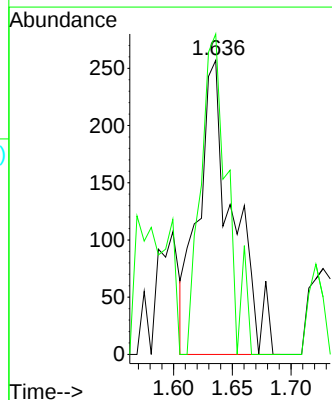
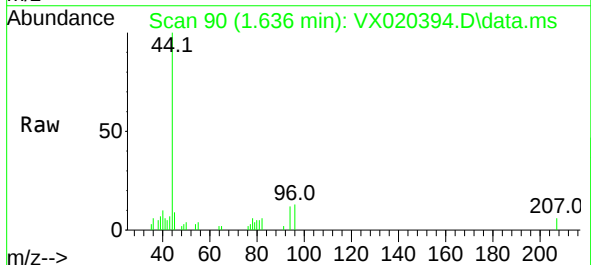
Instrument :
MSVOA_X
ClientSampled :

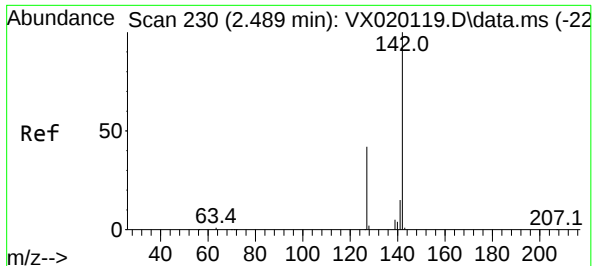
Tgt Ion:168 Resp: 243338
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6



#5
Bromomethane
Concen: 0.49 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

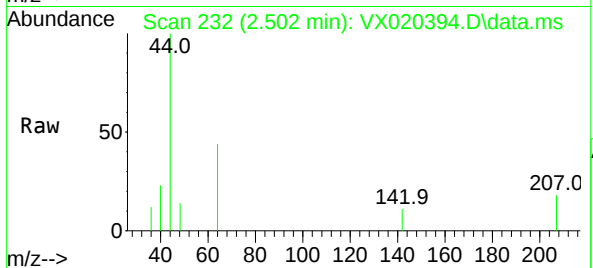
Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 108.9 76.4 114.6



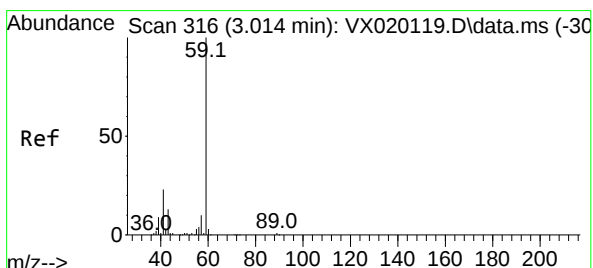
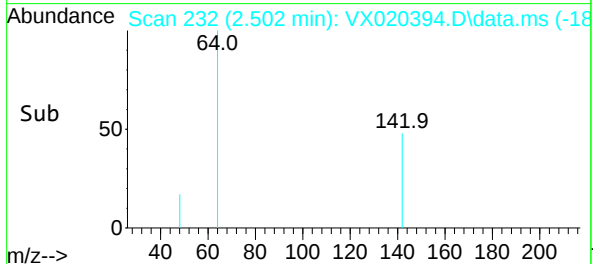
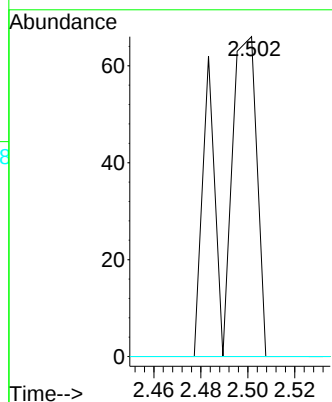


#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Instrument :
MSVOA_X
ClientSampleId :

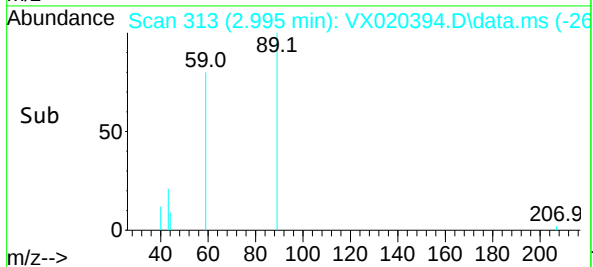
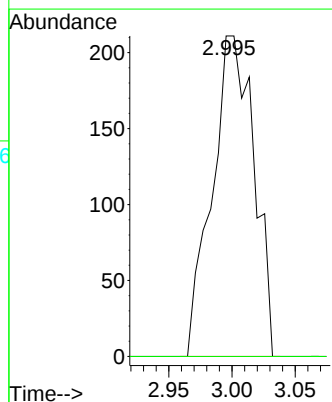
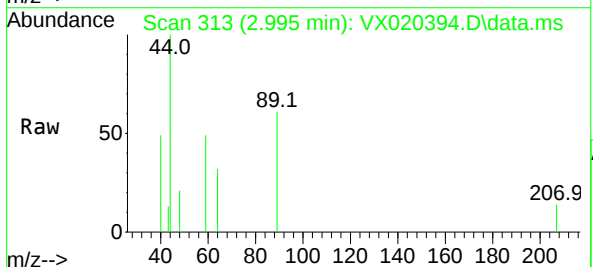


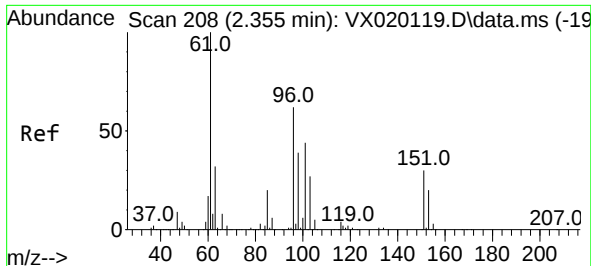
Tgt Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

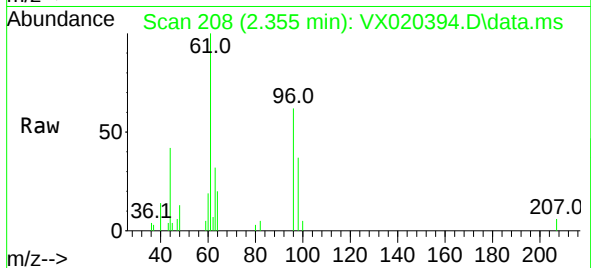
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



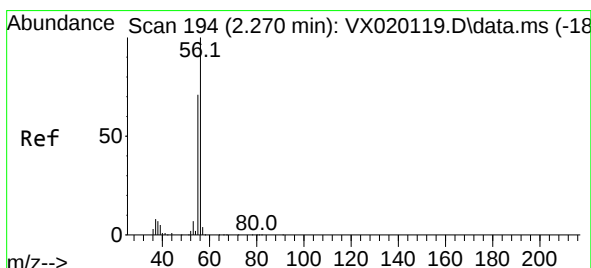
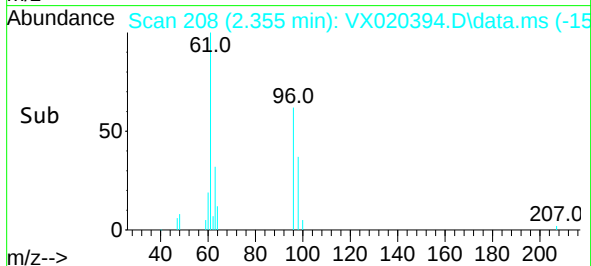
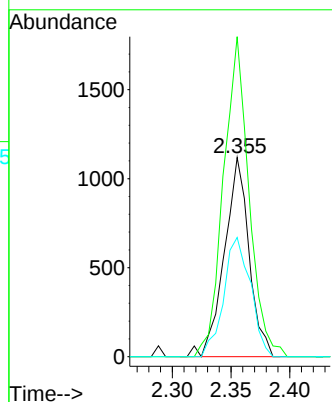


#12
1,1-Dichloroethene
Concen: 0.66 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Instrument :
MSVOA_X
ClientSampled :

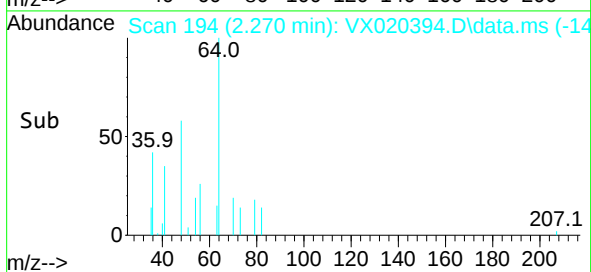
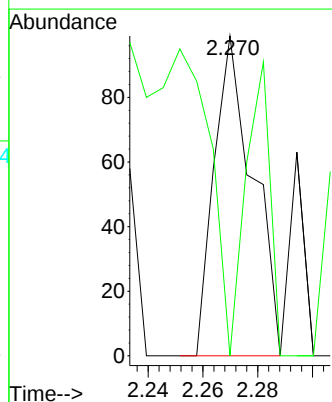
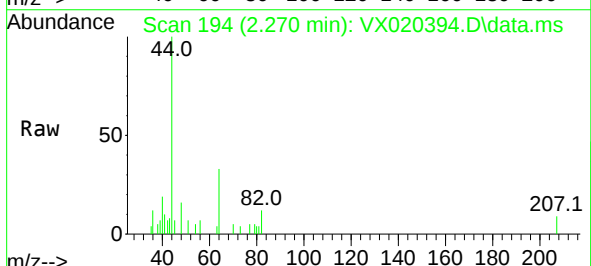


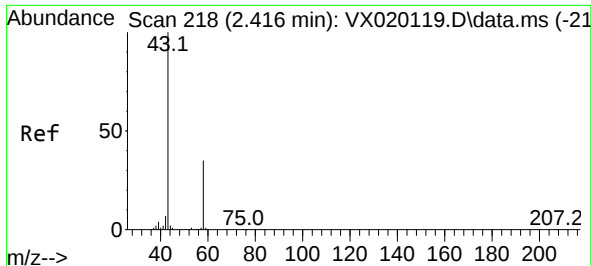
Tgt Ion: 96 Resp: 1633
Ion Ratio Lower Upper
96 100
61 160.7 124.6 187.0
98 59.9 50.6 76.0



#13
Acrolein
Concen: 0.21 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 56.7 56.4 84.6

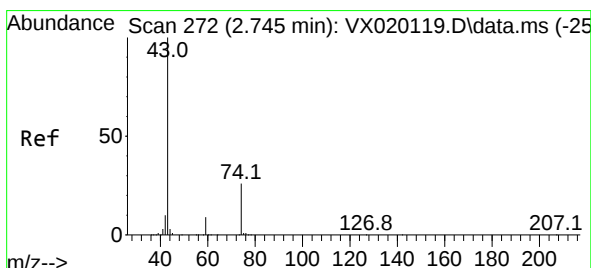
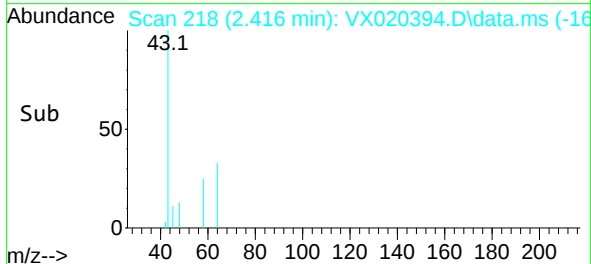
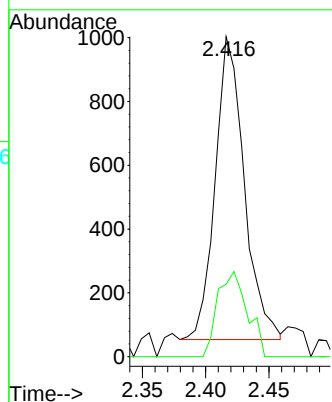
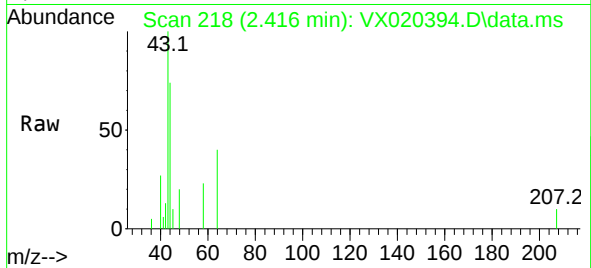




#16
Acetone
Concen: 1.02 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

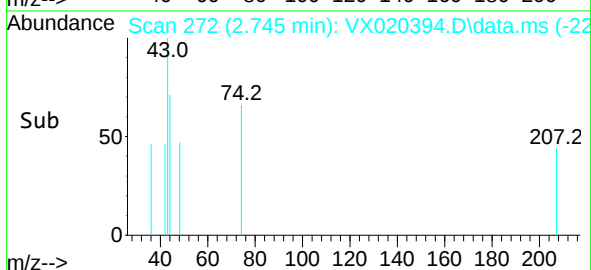
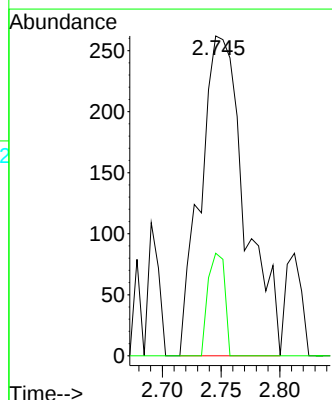
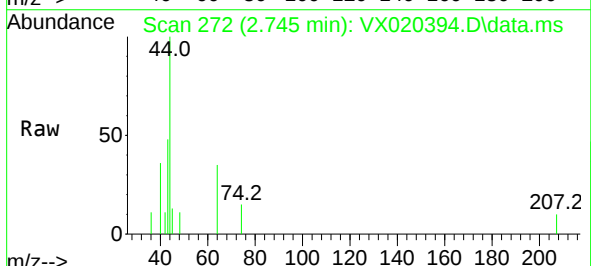
Instrument :
MSVOA_X
ClientSampled :

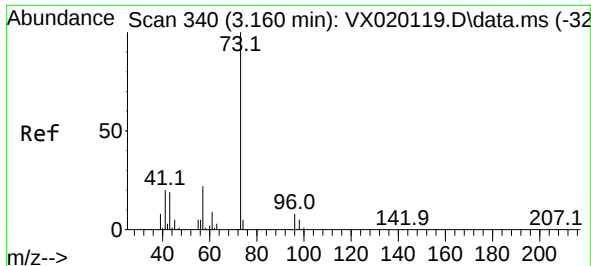
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 23.9 27.8 41.8#



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
74 12.0 21.9 32.9#

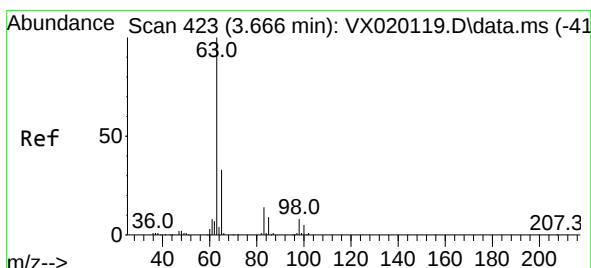
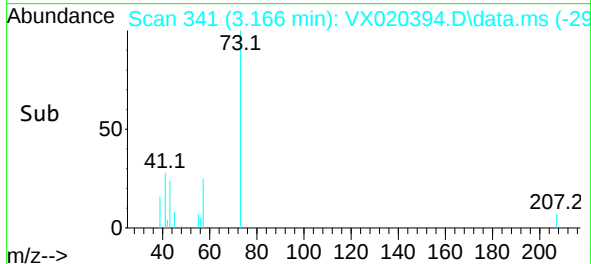
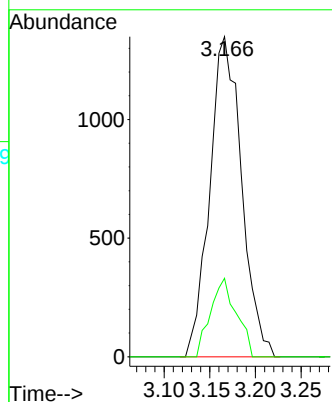
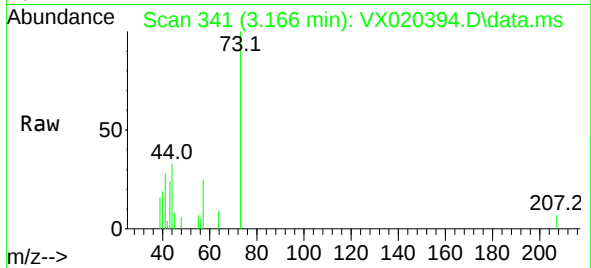




#19
Methyl tert-butyl Ether
Concen: 0.35 ug/l
RT: 3.166 min Scan# 341
Delta R.T. 0.006 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

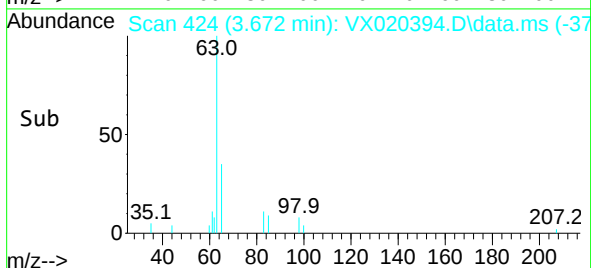
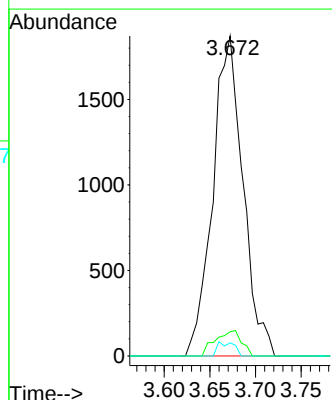
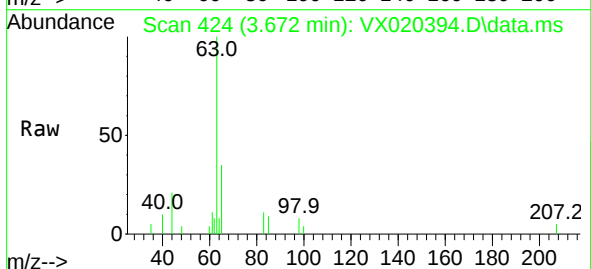
Instrument :
MSVOA_X
ClientSampled :

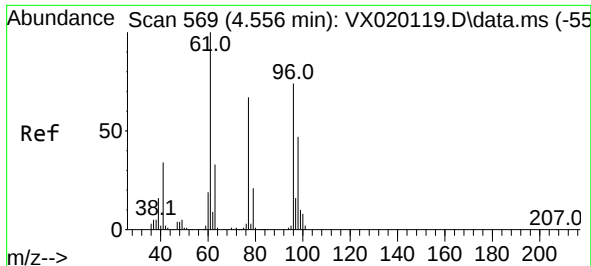
Tgt Ion: 73 Resp: 3264
Ion Ratio Lower Upper
73 100
57 24.5 17.1 25.7



#24
1,1-Dichloroethane
Concen: 0.81 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion: 63 Resp: 4298
Ion Ratio Lower Upper
63 100
98 7.5 3.8 11.2
100 4.1 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 1.10 ug/l

RT: 4.562 min Scan# 570

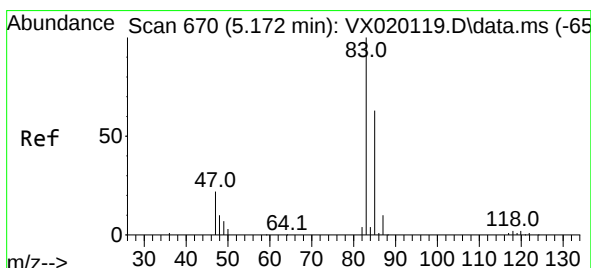
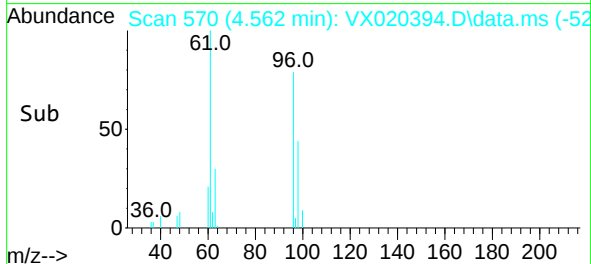
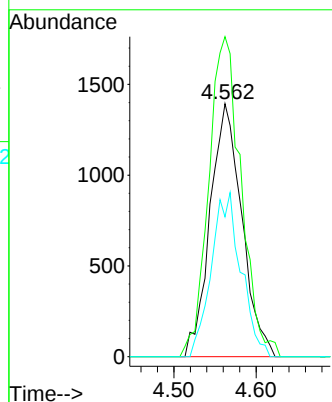
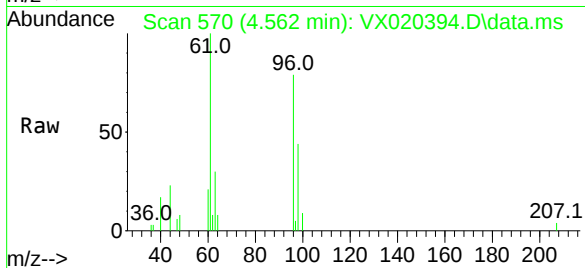
Delta R.T. 0.006 min

Lab File: VX020394.D

Acq: 24 Dec 2020 17:43

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 96	Resp: 3741		
Ion Ratio	Lower	Upper	
96	100		
61	128.9	0.0	285.6
98	60.5	0.0	129.6



#30

Chloroform

Concen: 0.56 ug/l

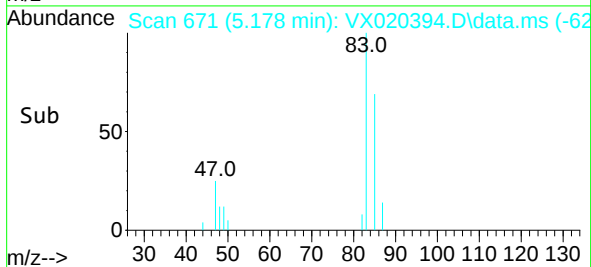
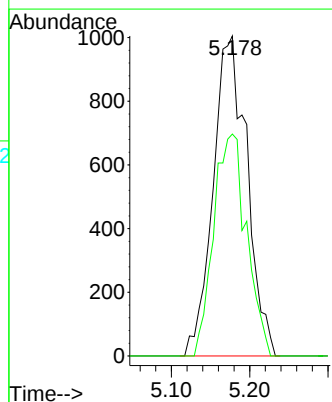
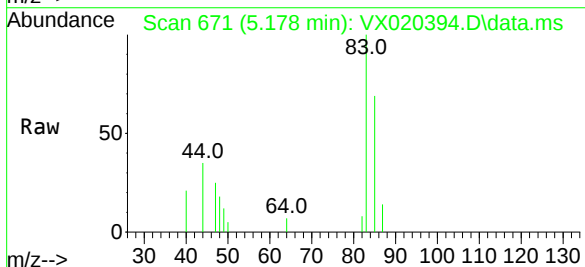
RT: 5.178 min Scan# 671

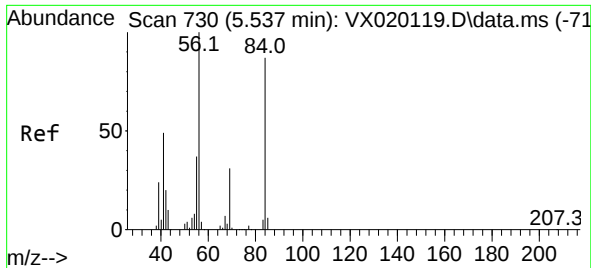
Delta R.T. 0.006 min

Lab File: VX020394.D

Acq: 24 Dec 2020 17:43

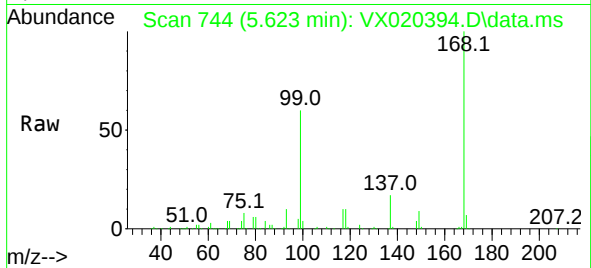
Tgt Ion: 83	Resp: 3022		
Ion Ratio	Lower	Upper	
83 100			
85 69.4	52.0	78.0	



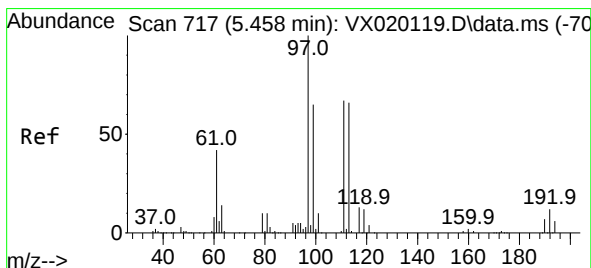
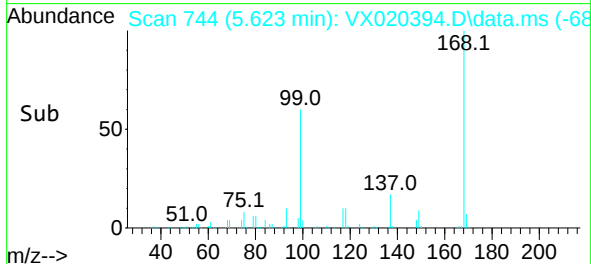
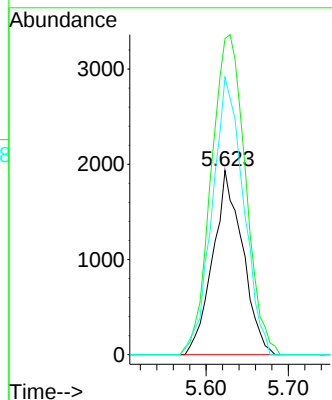


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Instrument :
MSVOA_X
ClientSampleId :

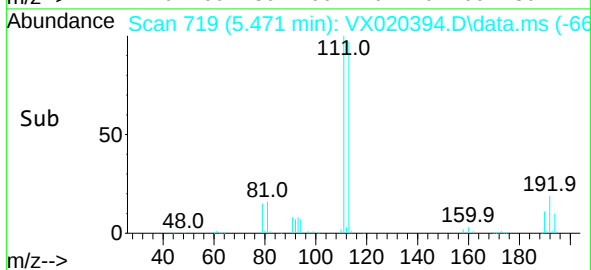
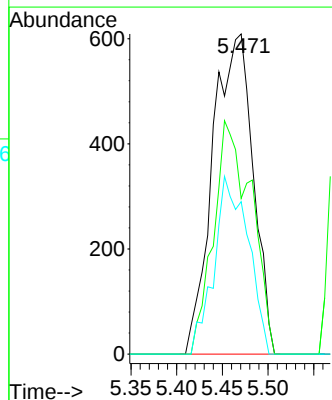
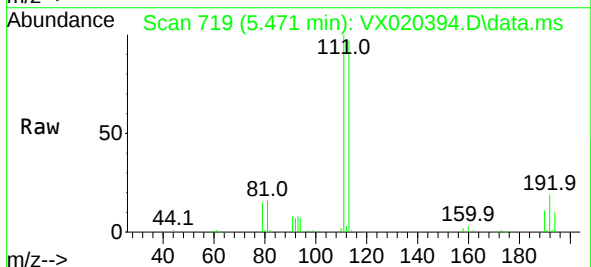


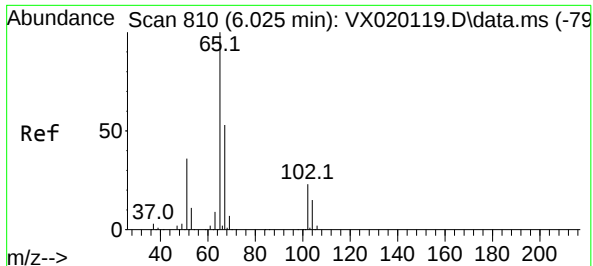
Tgt Ion: 56 Resp: 4881
Ion Ratio Lower Upper
56 100
69 171.7 25.3 37.9#
84 150.8 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.42 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.013 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion: 97 Resp: 1871
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 47.0 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 50.96 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020394.D

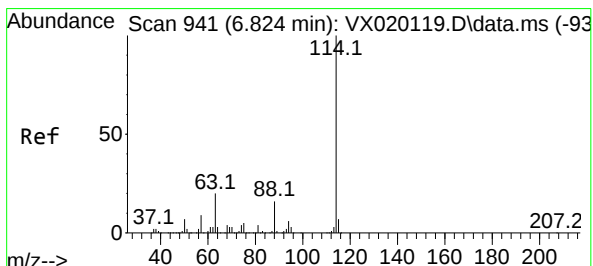
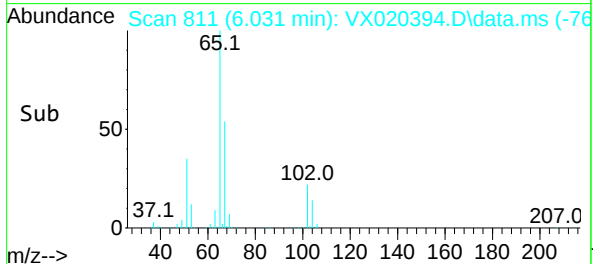
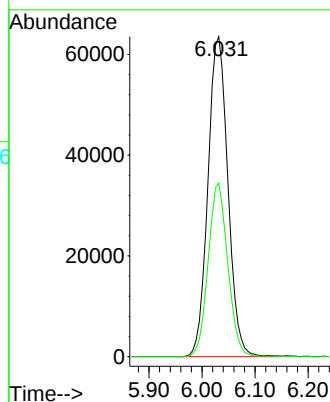
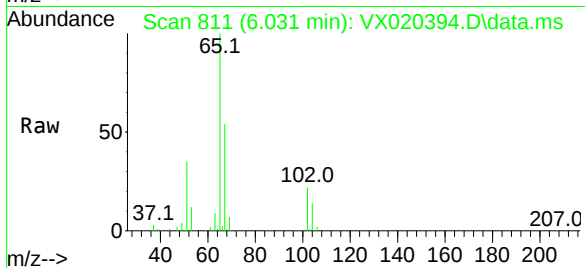
Acq: 24 Dec 2020 17:43

Tgt Ion: 65 Resp: 166235

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: VX020394.D

Acq: 24 Dec 2020 17:43

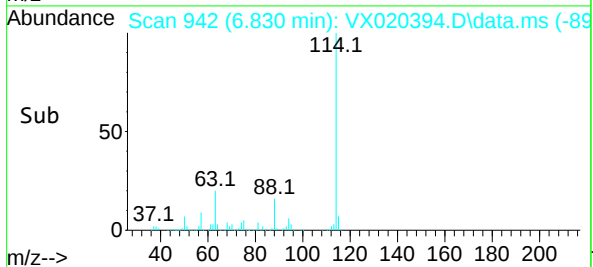
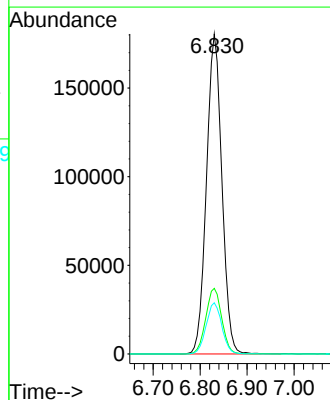
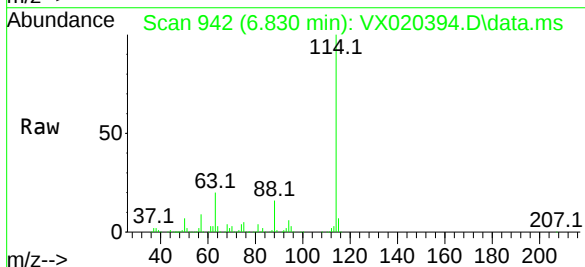
Tgt Ion: 114 Resp: 410104

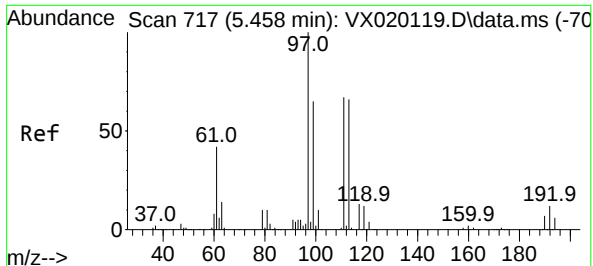
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

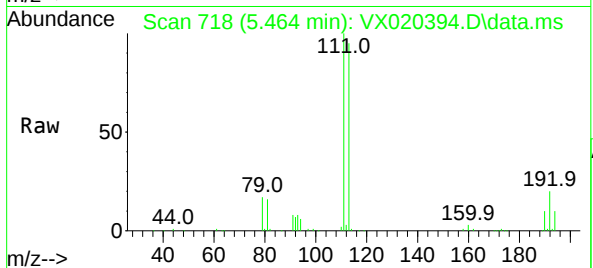
88 16.0 0.0 32.8



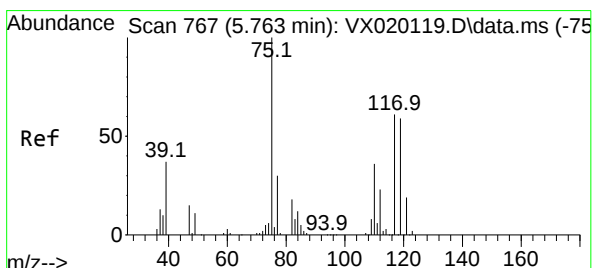
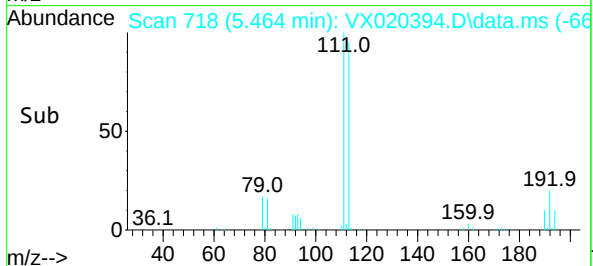
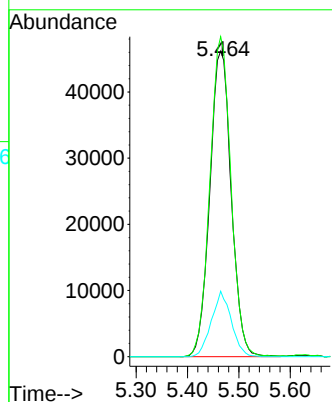


#35
Dibromofluoromethane
Concen: 50.93 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Instrument :
MSVOA_X
ClientSampled :

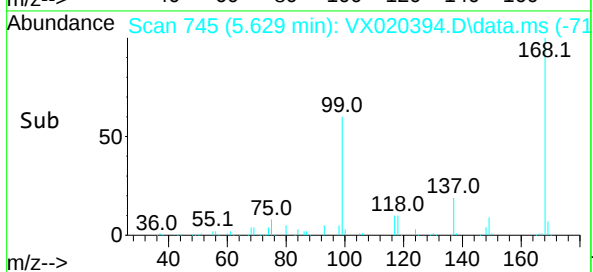
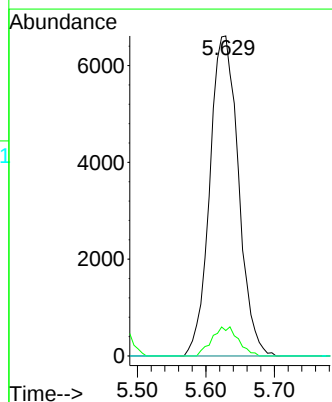
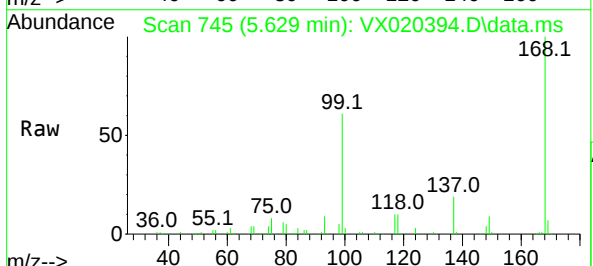


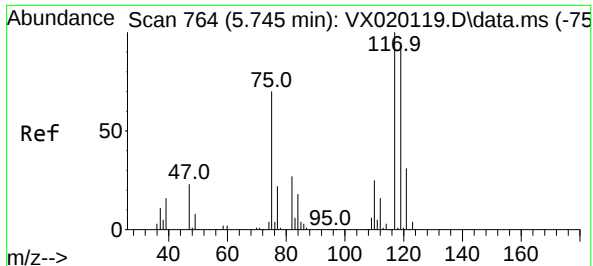
Tgt Ion:113 Resp: 133599
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

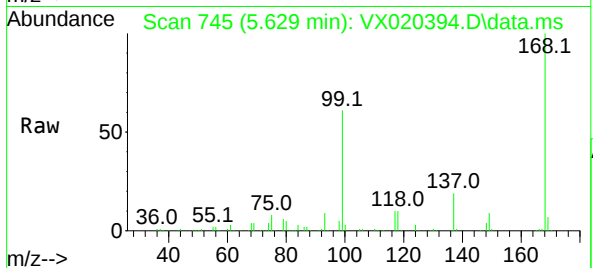
Tgt Ion: 75 Resp: 19194
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



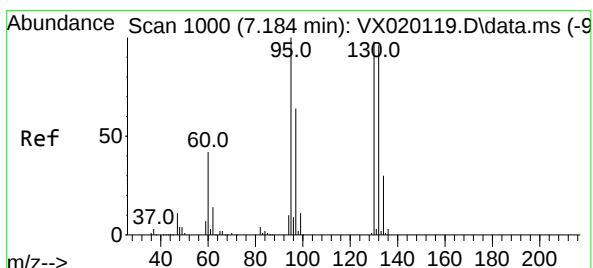
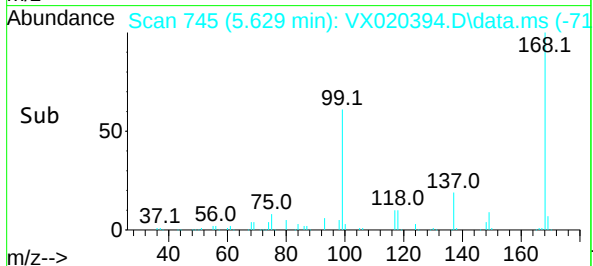
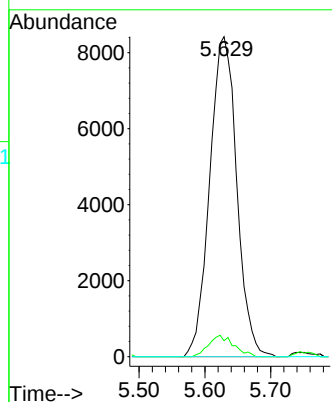


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Instrument :
MSVOA_X
ClientSampleId :

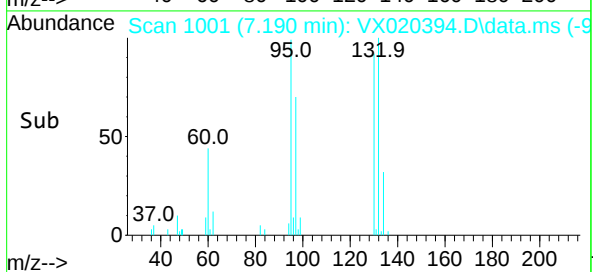
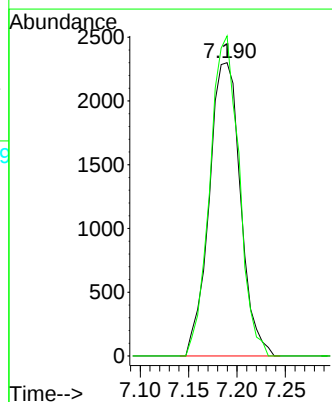
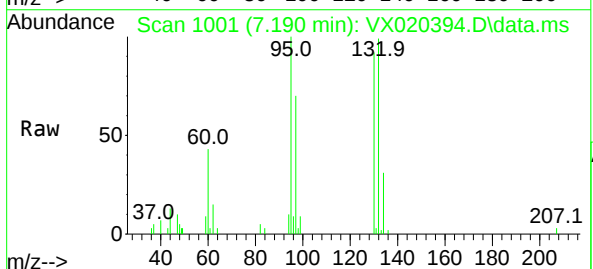


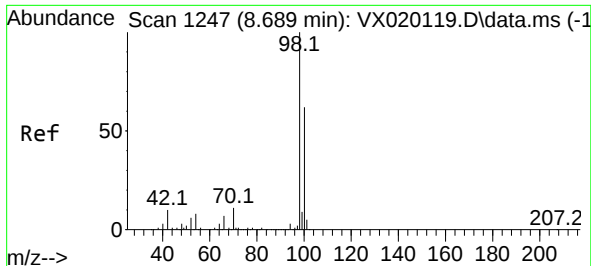
Tgt Ion:117 Resp: 24091
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.59 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion:130 Resp: 5181
Ion Ratio Lower Upper
130 100
95 109.1 0.0 198.0

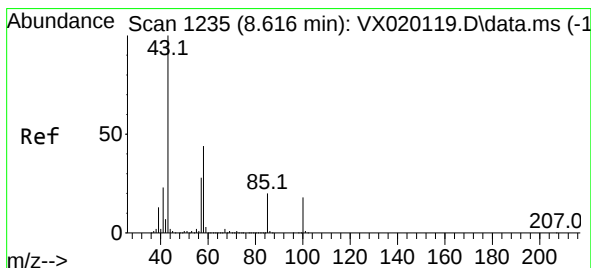
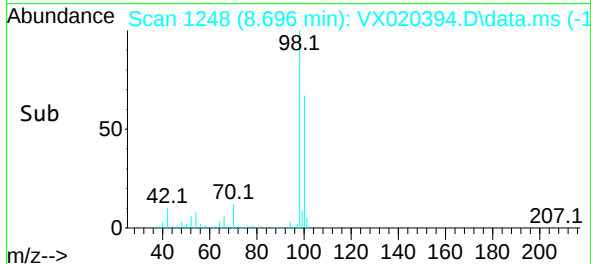
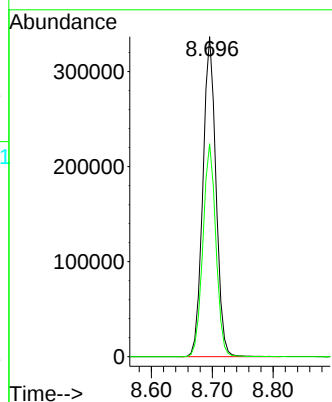
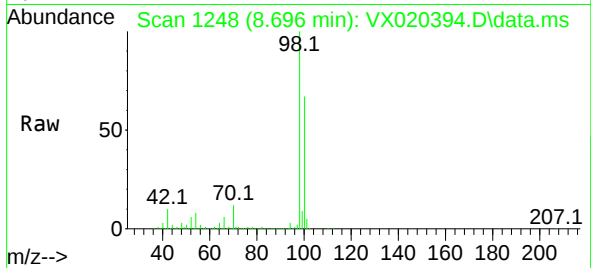




#50
Toluene-d8
Concen: 49.85 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

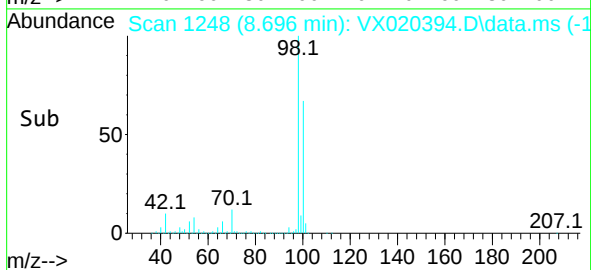
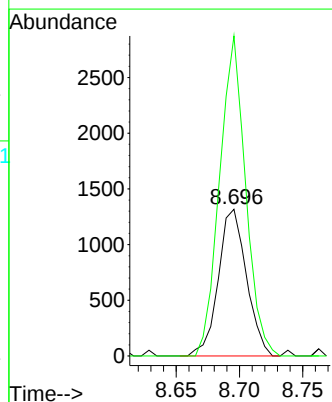
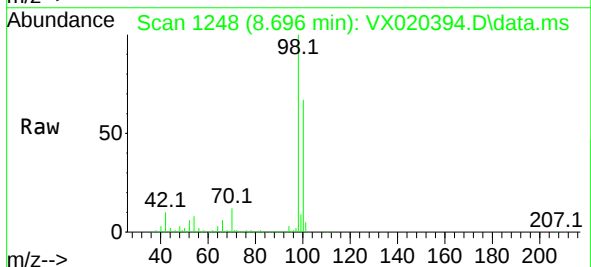
Instrument :
MSVOA_X
ClientSampled :

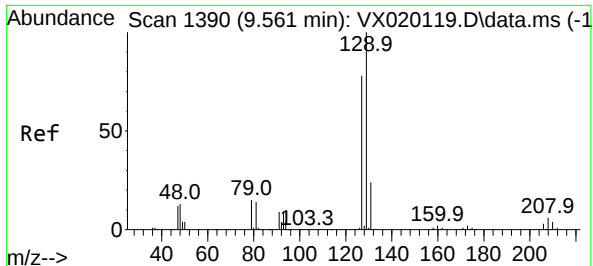
Tgt Ion: 98 Resp: 503431
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
58 201.5 35.4 53.0#

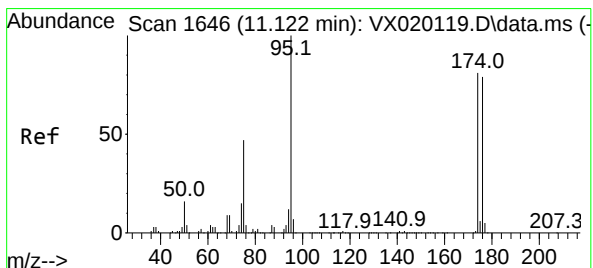
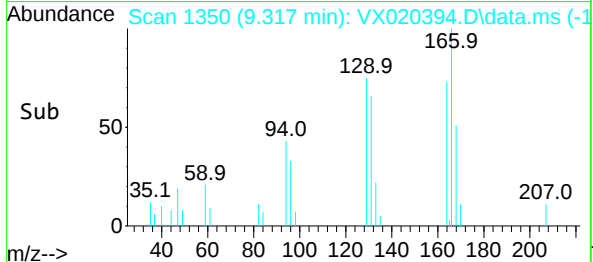
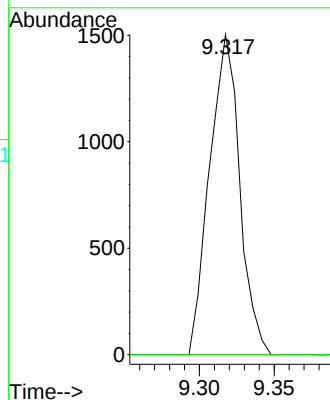
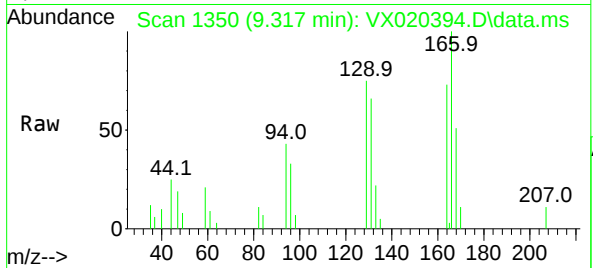




#60
Dibromochloromethane
Concen: 0.67 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

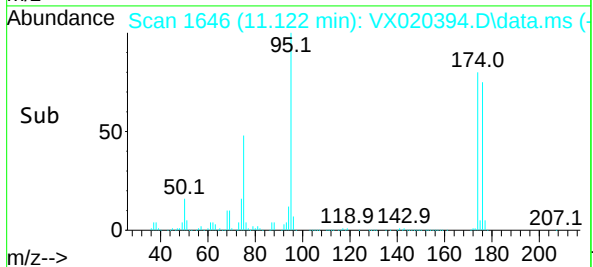
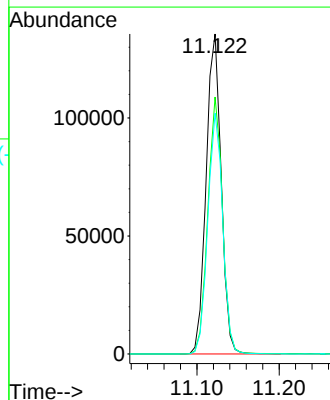
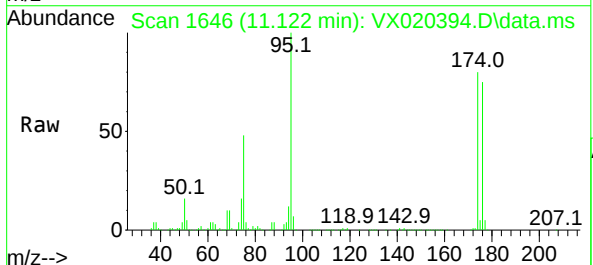
Instrument :
MSVOA_X
ClientSampled :

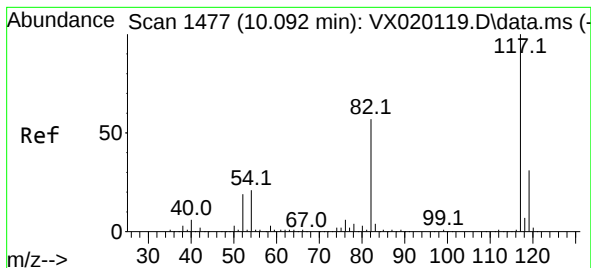
Tgt Ion:129 Resp: 2105
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.54 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion: 95 Resp: 172156
Ion Ratio Lower Upper
95 100
174 78.6 0.0 154.6
176 74.5 0.0 155.8

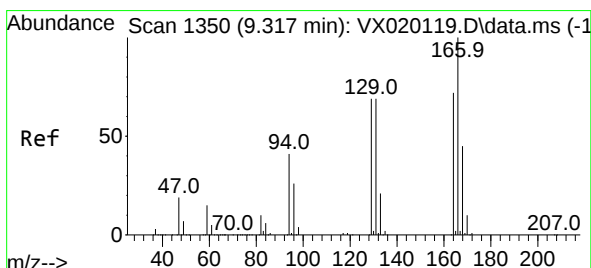
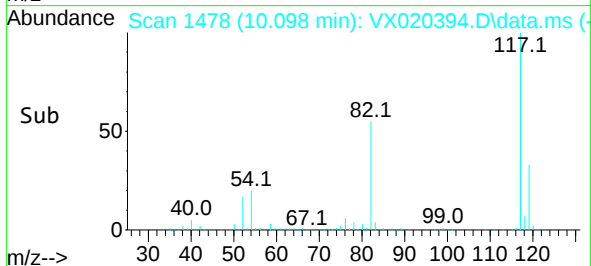
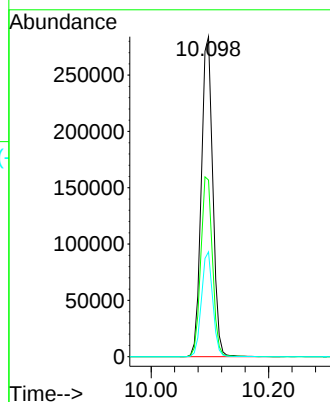
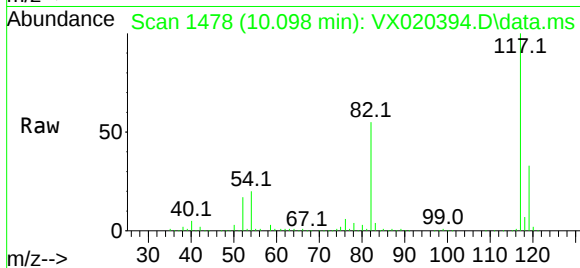




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

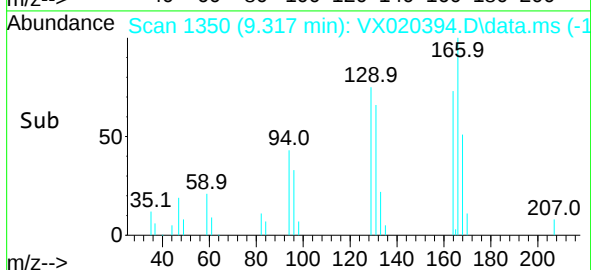
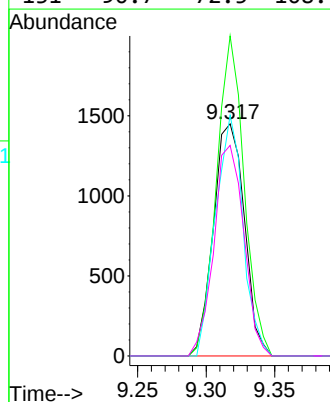
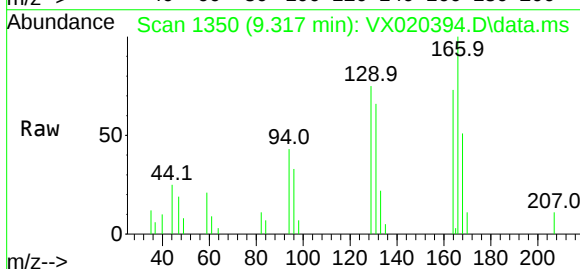
Instrument :
MSVOA_X
ClientSampled :

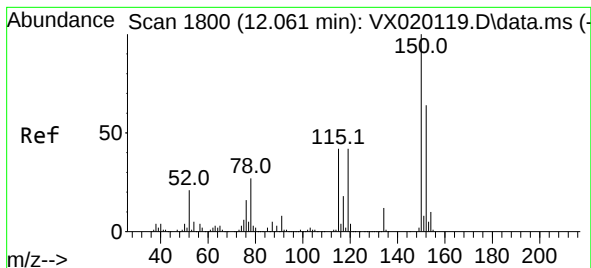
Tgt Ion:117 Resp: 384224
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 0.79 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020394.D
Acq: 24 Dec 2020 17:43

Tgt Ion:164 Resp: 2278
Ion Ratio Lower Upper
164 100
166 137.9 103.4 155.2
129 103.7 70.8 106.2
131 90.7 72.5 108.7

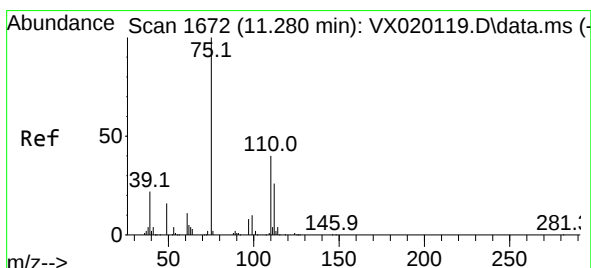
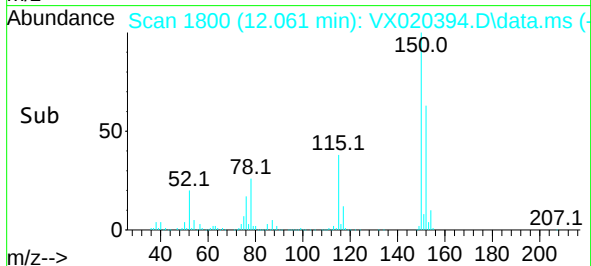
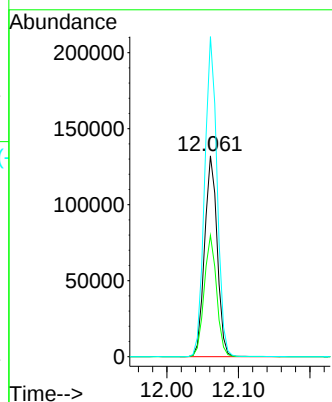
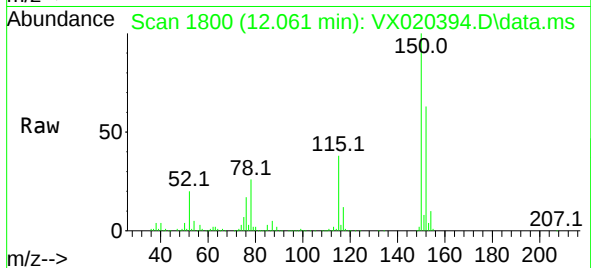




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020394.D
 Acq: 24 Dec 2020 17:43

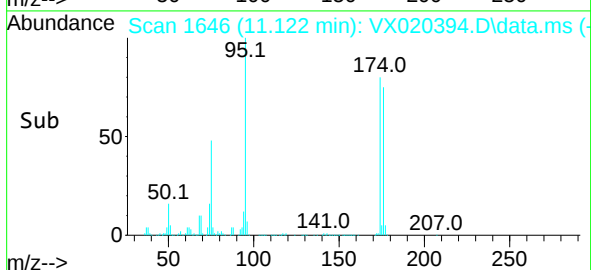
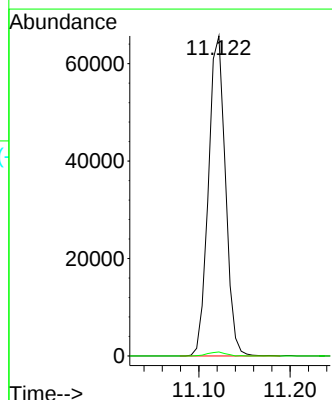
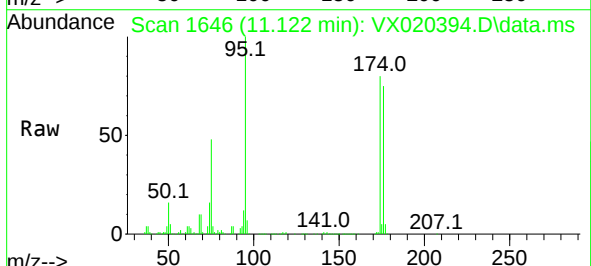
Instrument :
 MSVOA_X
 ClientSampled :

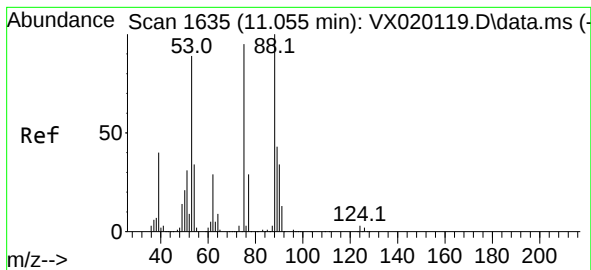
Tgt Ion:152 Resp: 162102
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.1 123.3
 150 157.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.22 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020394.D
 Acq: 24 Dec 2020 17:43

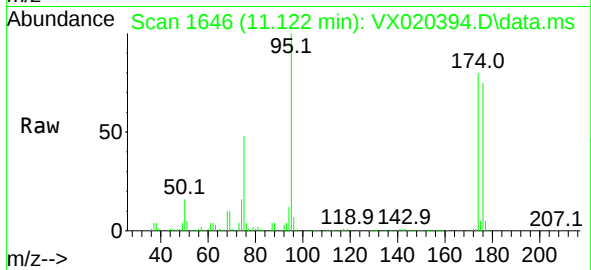
Tgt Ion: 75 Resp: 84727
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.95 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020394.D
 Acq: 24 Dec 2020 17:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 84727
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

