

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020384.D
 Acq On : 24 Dec 2020 13:49
 Operator : JC/MD
 Sample : L5124-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:12:31 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)

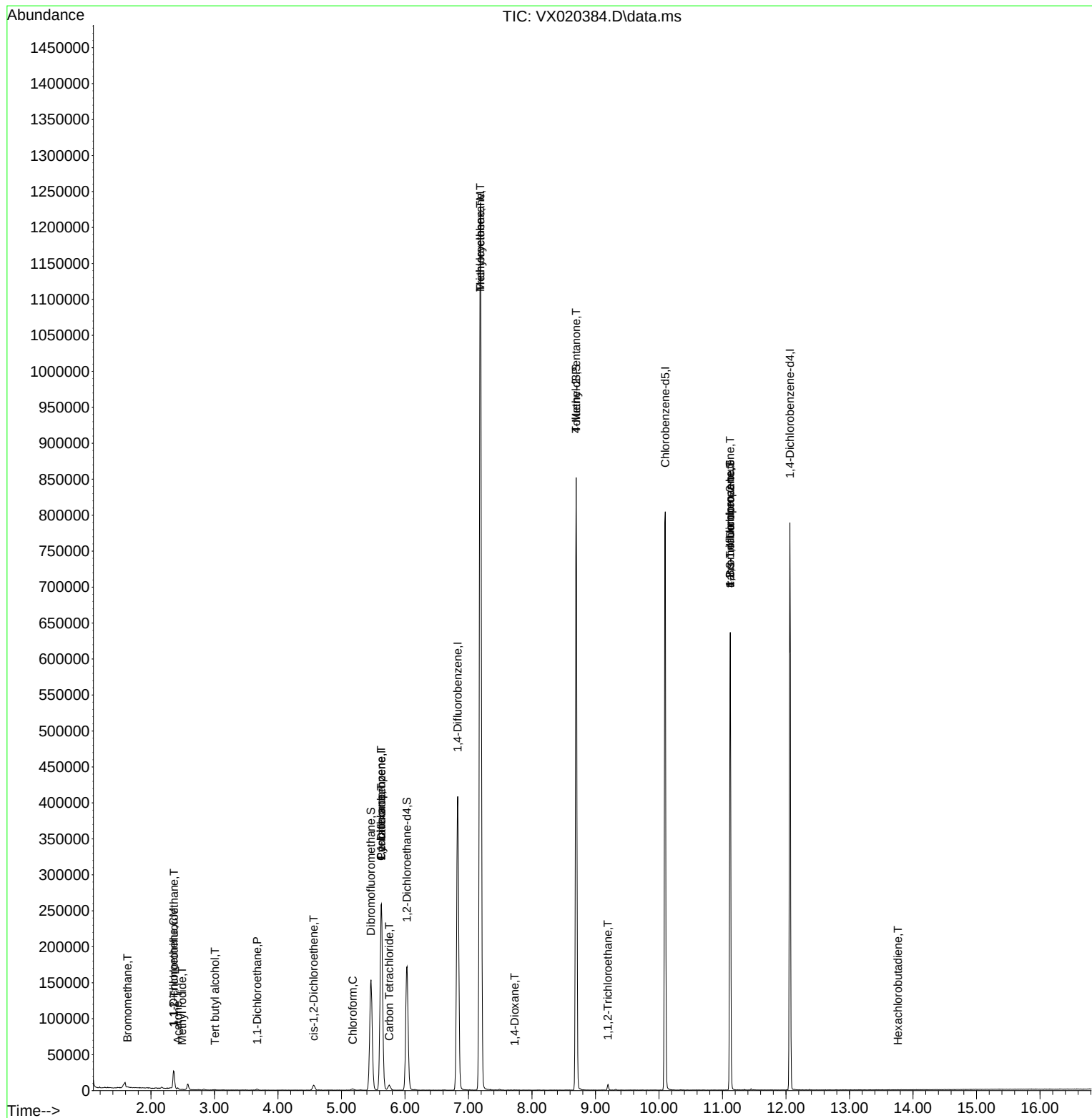
Internal Standards						
1) Pentafluorobenzene	5.629	168	241827	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	408638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	378888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	162350	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	166586	51.39	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.78%	
35) Dibromofluoromethane	5.465	113	133539	51.08	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.16%	
50) Toluene-d8	8.696	98	501433	49.83	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.66%	
62) 4-Bromofluorobenzene	11.122	95	172215	44.72	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.44%	
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	580	0.55	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.361	101	4640	1.92	ug/l	97
10) Methyl Iodide	2.489	142	387	3.40	ug/l #	90
11) Tert butyl alcohol	3.008	59	526	0.72	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	5170	2.09	ug/l	86
16) Acetone	2.422	43	1877	1.27	ug/l	93
24) 1,1-Dichloroethane	3.672	63	1867	0.35	ug/l #	92
27) cis-1,2-Dichloroethene	4.562	96	4573	1.35	ug/l	91
30) Chloroform	5.178	83	2238	0.42	ug/l	91
31) Cyclohexane	5.623	56	4793	1.07	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	19624	4.86	ug/l #	49
38) Carbon Tetrachloride	5.751	117	6023	1.57	ug/l #	88
39) Methylcyclohexane	7.184	83	5974	1.28	ug/l #	1
44) Trichloroethene	7.184	130	485534	149.41	ug/l	99
49) 1,4-Dioxane	7.726	88	196	2.58	ug/l #	75
51) 4-Methyl-2-Pentanone	8.696	43	2045	0.50	ug/l #	1
55) 1,1,2-Trichloroethane	9.196	97	1969	0.62	ug/l	96
76) 1,2,3-Trichloropropane	11.122	75	84531	21.14	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	84531	62.71	ug/l #	12
94) Hexachlorobutadiene	13.762	225	41	2.67	ug/l #	19

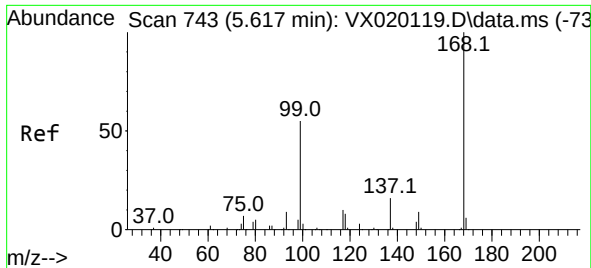
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 25 01:12:31 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

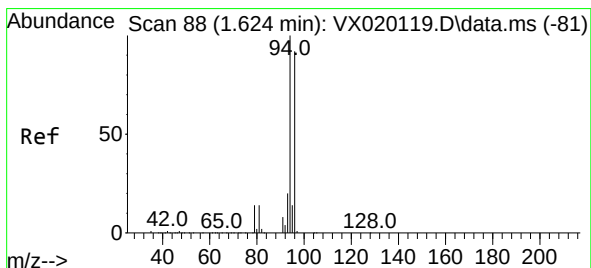
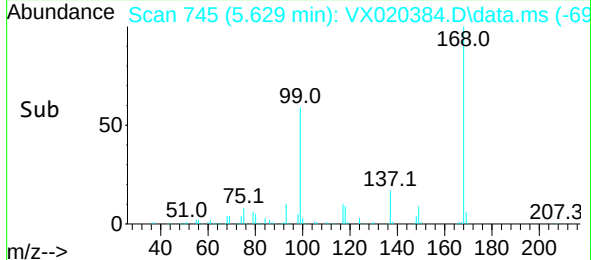
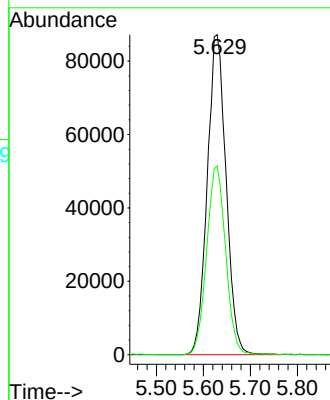
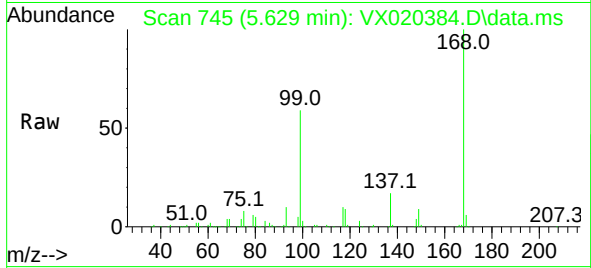




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

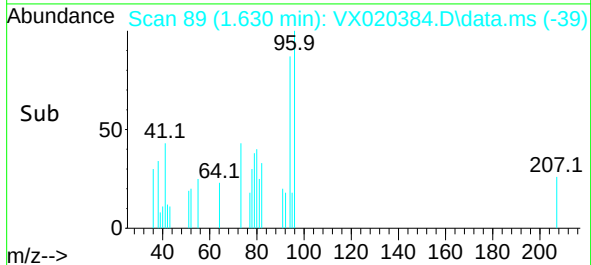
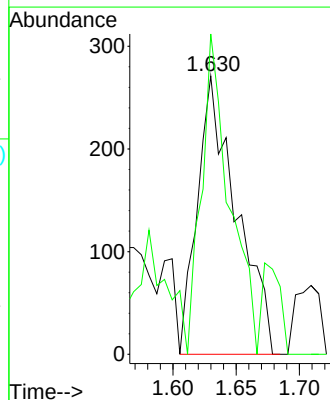
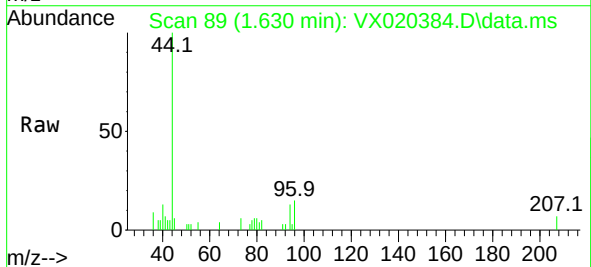
Instrument :
MSVOA_X
ClientSampleId :

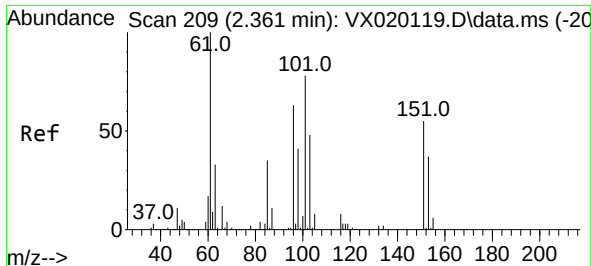
Tgt Ion:168 Resp: 241827
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#5
Bromomethane
Concen: 0.55 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 94 Resp: 580
Ion Ratio Lower Upper
94 100
96 92.3 76.4 114.6

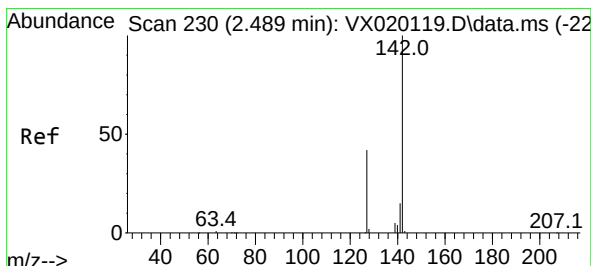
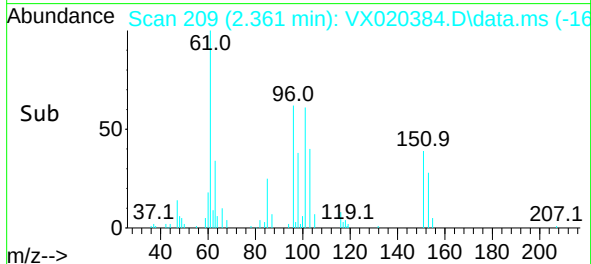
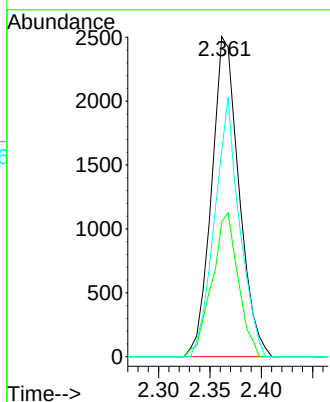
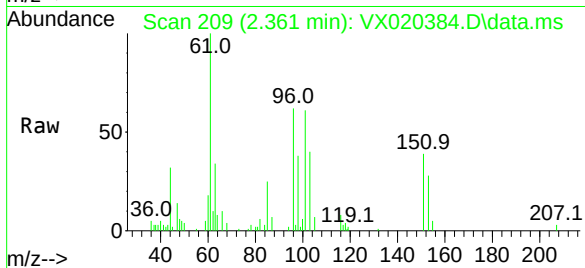




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.92 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

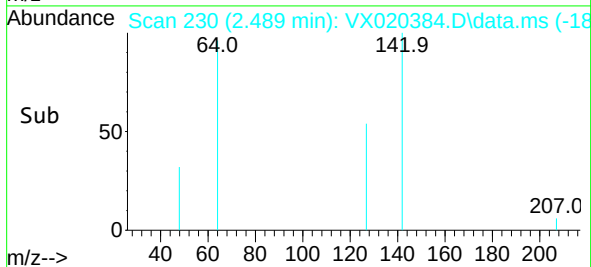
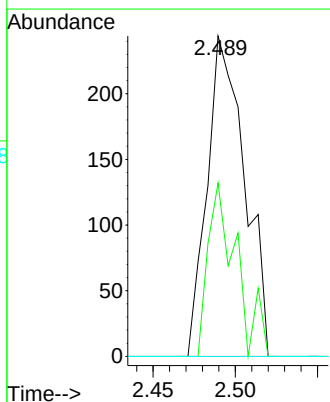
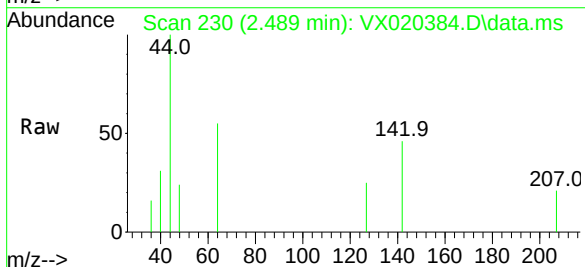
Instrument :
MSVOA_X
ClientSampled :

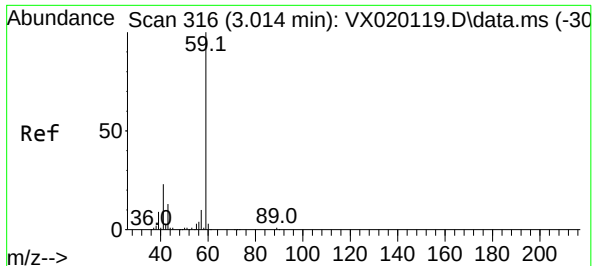
Tgt Ion:101 Resp: 4640
Ion Ratio Lower Upper
101 100
85 43.0 34.9 52.3
151 73.8 61.4 92.2



#10
Methyl Iodide
Concen: 3.40 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion:142 Resp: 387
Ion Ratio Lower Upper
142 100
127 40.8 33.3 49.9
141 0.0 11.4 17.0#

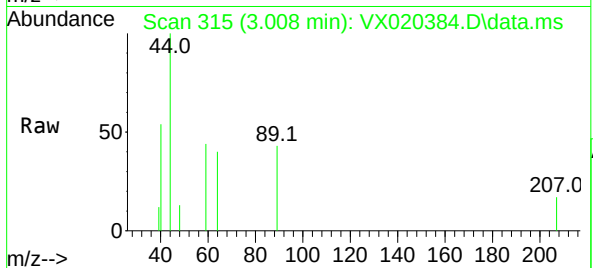




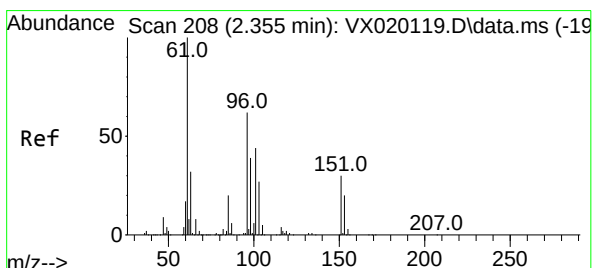
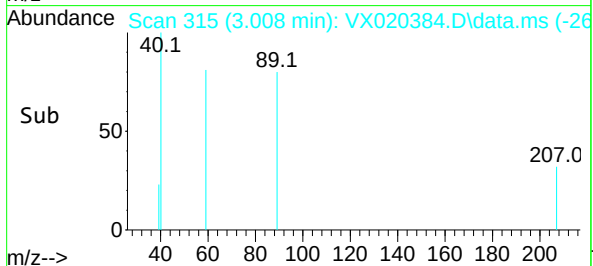
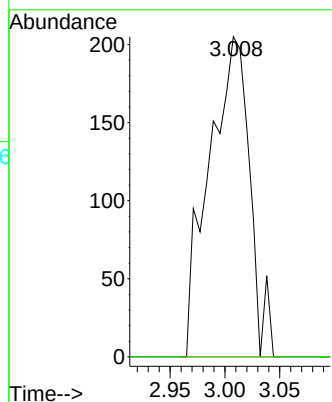
#11

Tert butyl alcohol
Concen: 0.72 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Instrument :
MSVOA_X
ClientSampled :



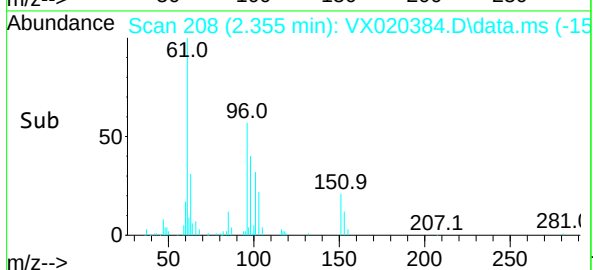
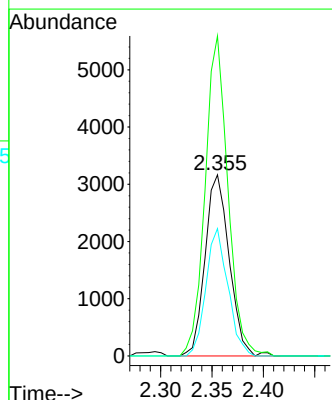
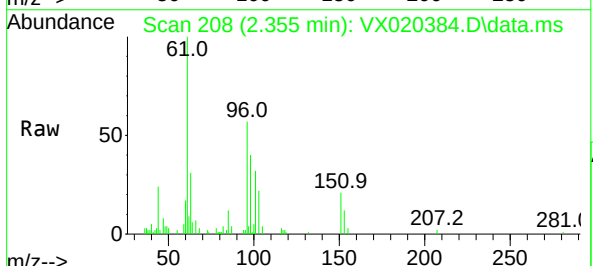
Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

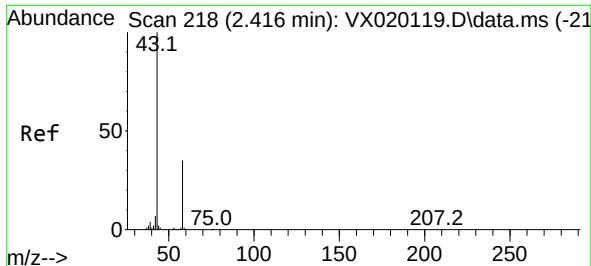


#12

1,1-Dichloroethene
Concen: 2.09 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 96 Resp: 5170
Ion Ratio Lower Upper
96 100
61 176.6 124.6 187.0
98 70.3 50.6 76.0

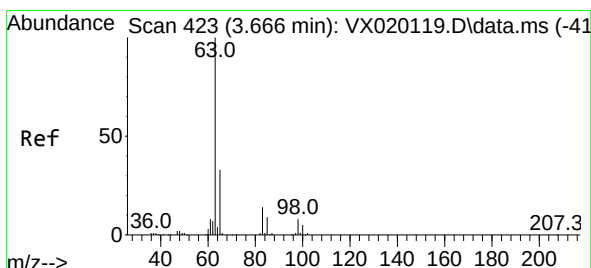
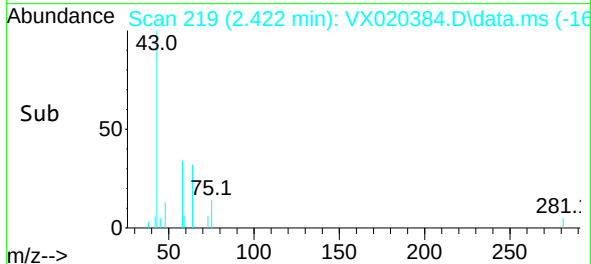
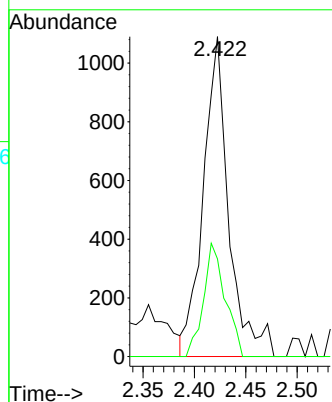
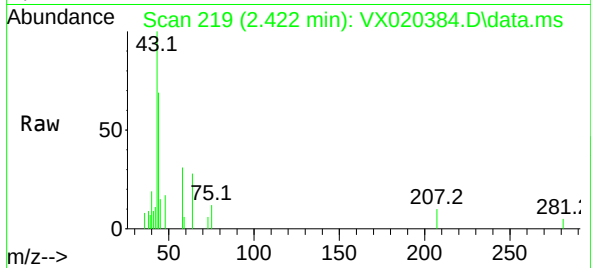




#16
Acetone
Concen: 1.27 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

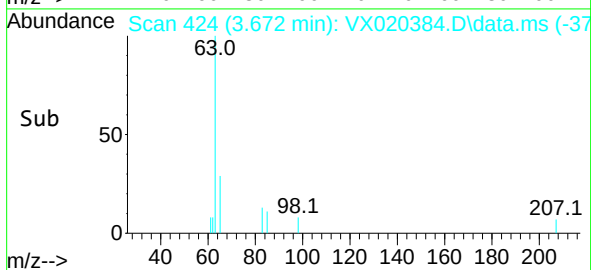
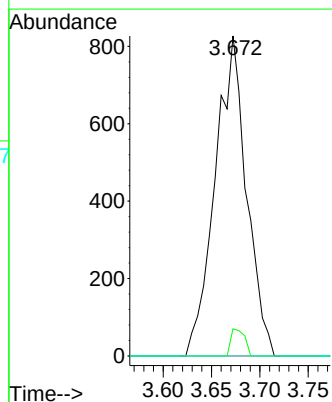
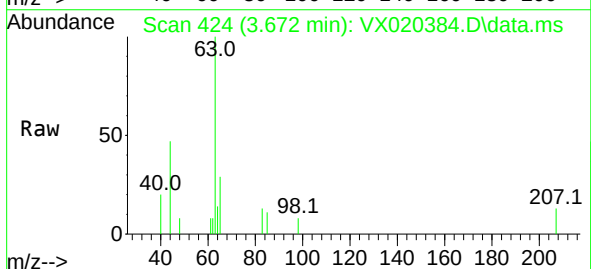
Instrument :
MSVOA_X
ClientSampled :

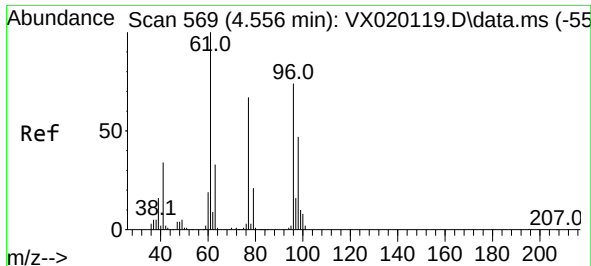
Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
58 30.6 27.8 41.8



#24
1,1-Dichloroethane
Concen: 0.35 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 63 Resp: 1867
Ion Ratio Lower Upper
63 100
98 8.5 3.8 11.2
100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.35 ug/l

RT: 4.562 min Scan# 570

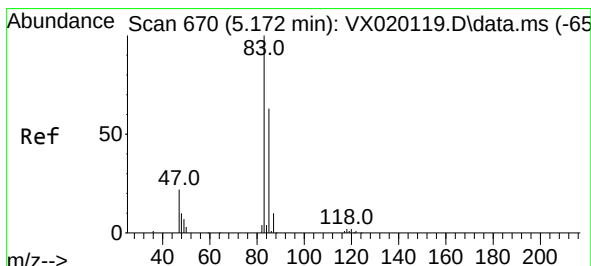
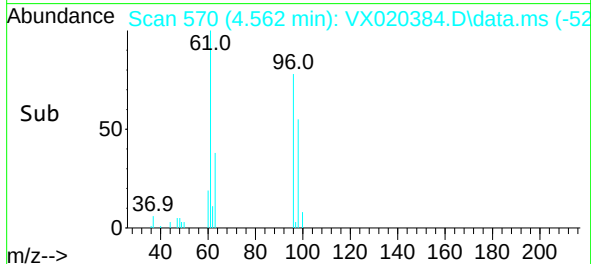
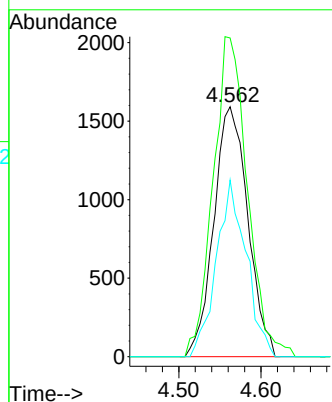
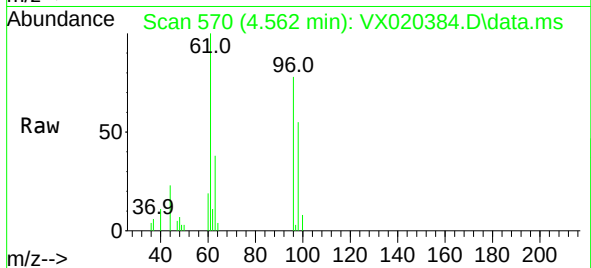
Delta R.T. 0.006 min

Lab File: VX020384.D

Acq: 24 Dec 2020 13:49

Tgt Ion:	96	Resp:	4573
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	285.6
98	62.0	0.0	129.6

Instrument :
MSVOA_X
ClientSampleId :



#30

Chloroform

Concen: 0.42 ug/l

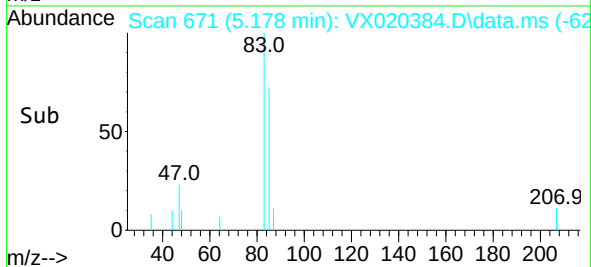
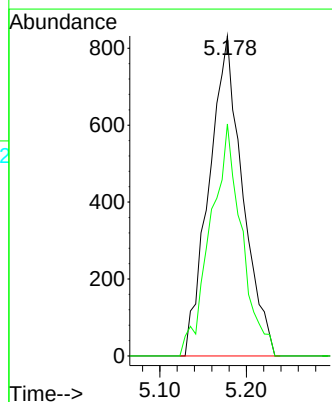
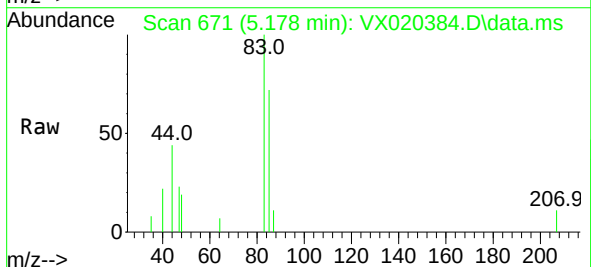
RT: 5.178 min Scan# 671

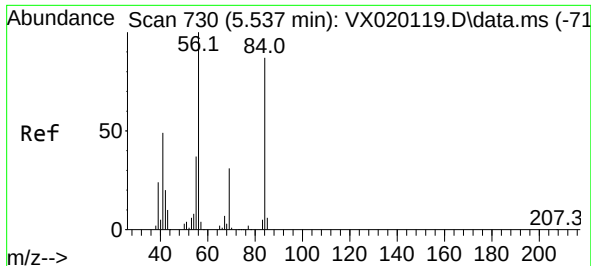
Delta R.T. 0.006 min

Lab File: VX020384.D

Acq: 24 Dec 2020 13:49

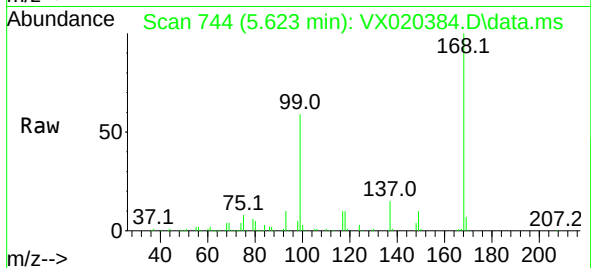
Tgt Ion:	83	Resp:	2238
Ion	Ratio	Lower	Upper
83	100		
85	72.5	52.0	78.0



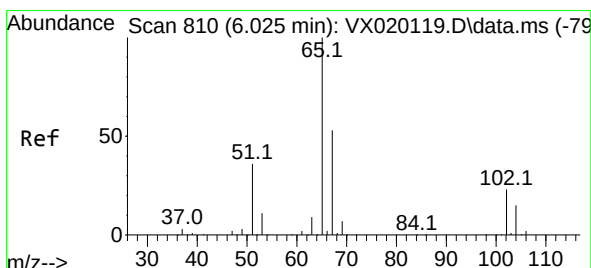
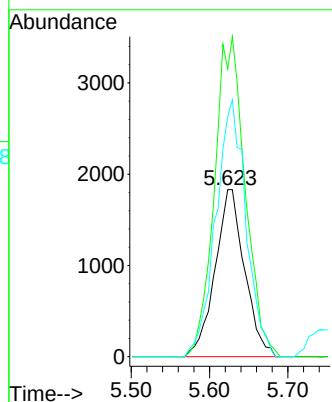
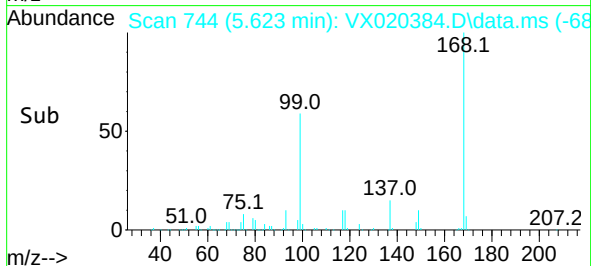


#31
Cyclohexane
Concen: 1.07 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

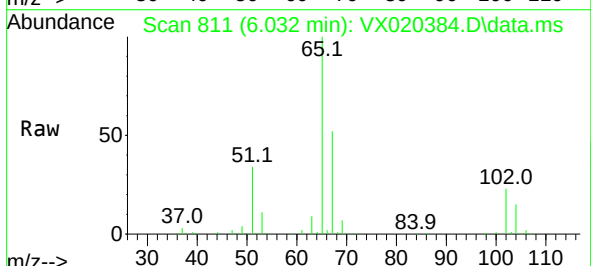
Instrument :
MSVOA_X
ClientSampled :



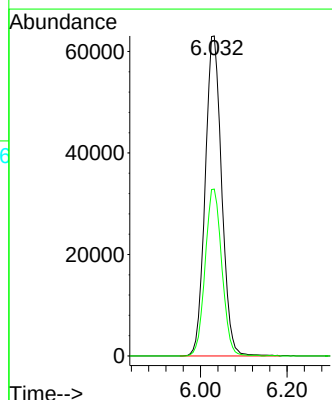
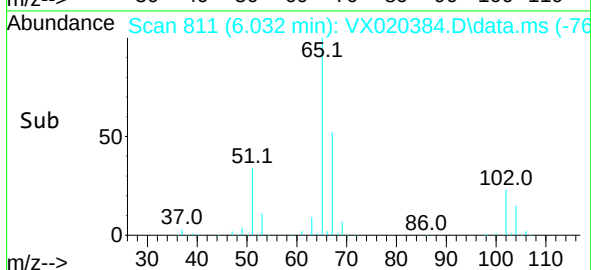
Tgt Ion: 56 Resp: 4793
Ion Ratio Lower Upper
56 100
69 172.1 25.3 37.9#
84 143.7 71.4 107.0#

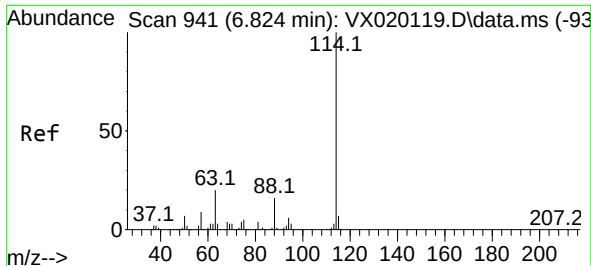


#33
1,2-Dichloroethane-d4
Concen: 51.39 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.007 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49



Tgt Ion: 65 Resp: 166586
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

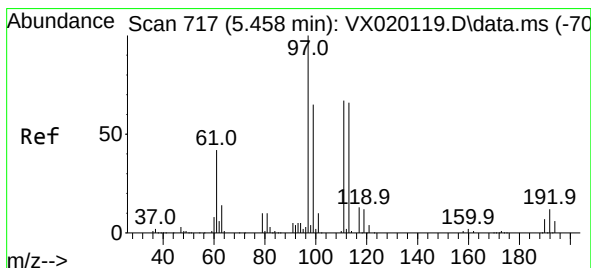
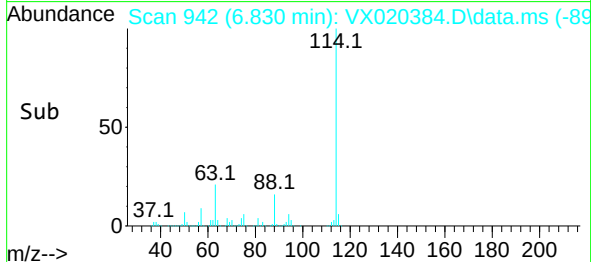
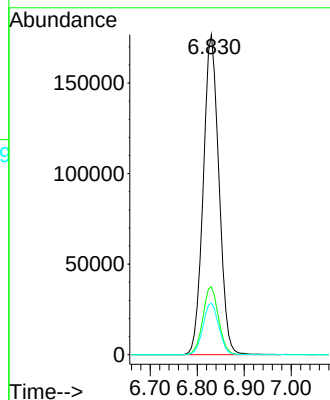
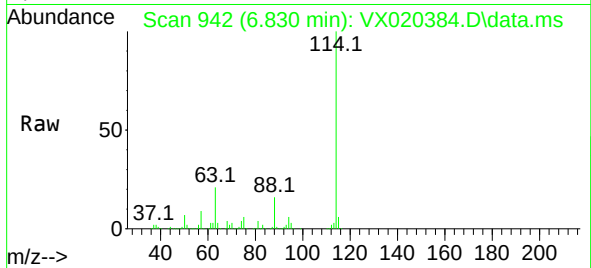




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

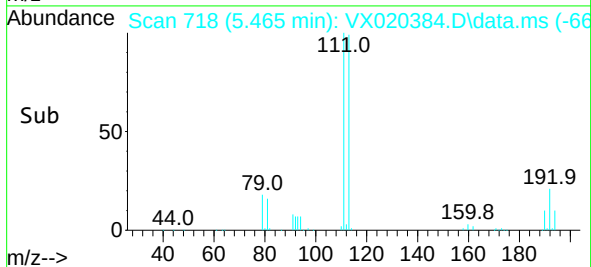
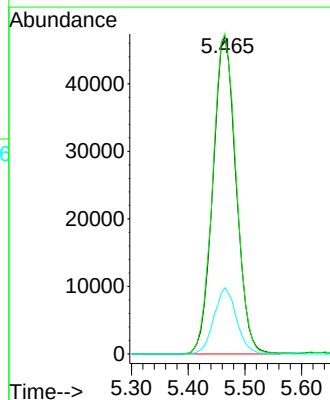
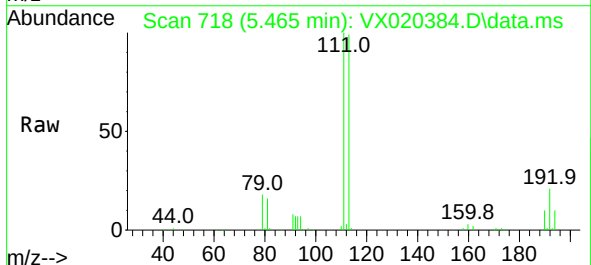
Instrument :
MSVOA_X
ClientSampled :

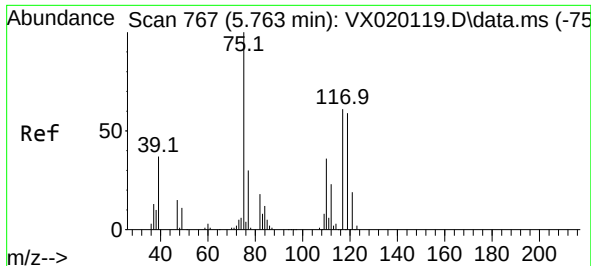
Tgt Ion:114 Resp: 408638
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.08 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion:113 Resp: 133539
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 20.2 16.7 25.1

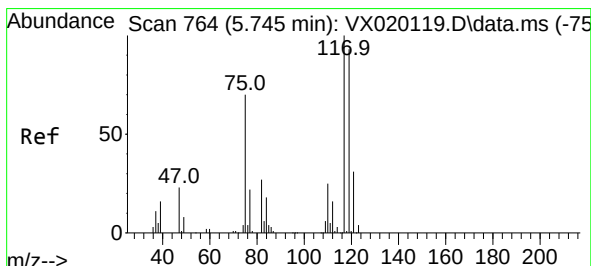
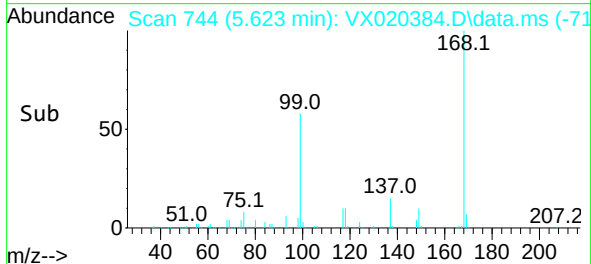
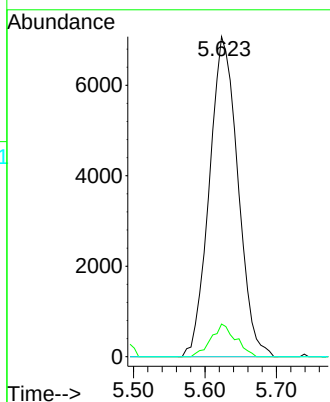
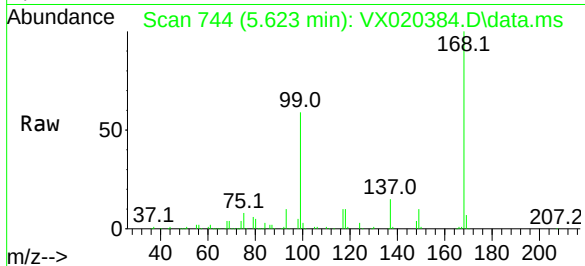




#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

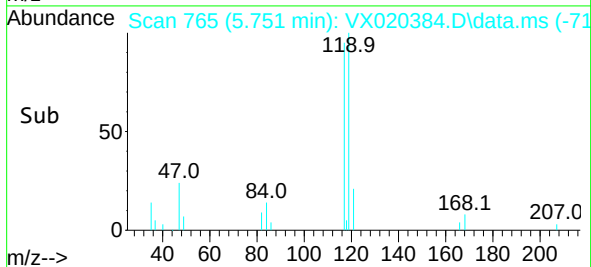
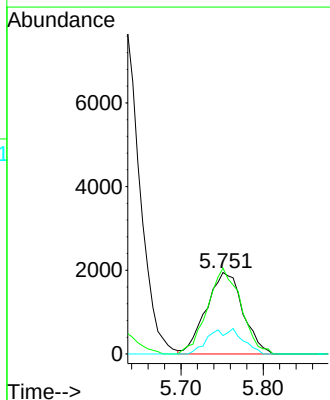
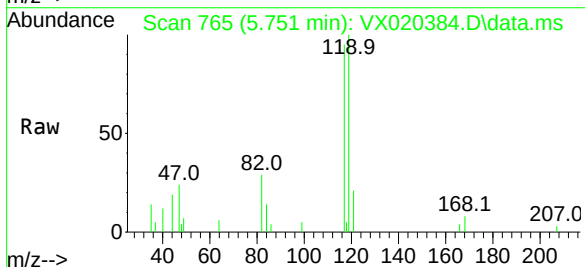
Instrument :
MSVOA_X
ClientSampleId :

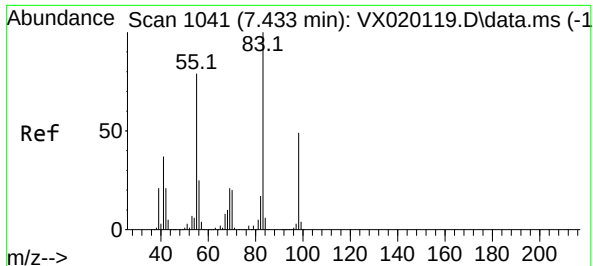
Tgt Ion: 75 Resp: 19624
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 1.57 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 117 Resp: 6023
Ion Ratio Lower Upper
117 100
119 105.3 76.2 114.2
121 22.5 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.28 ug/l

RT: 7.184 min Scan# 1000

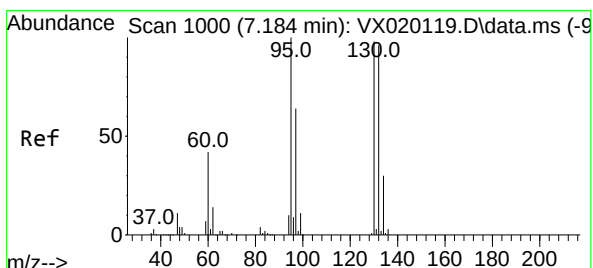
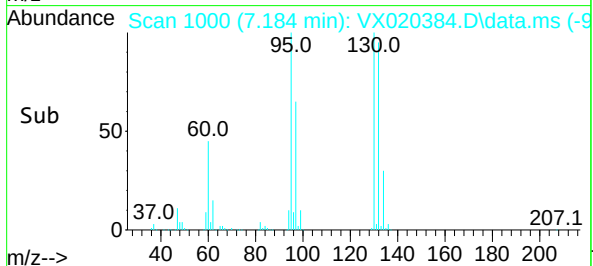
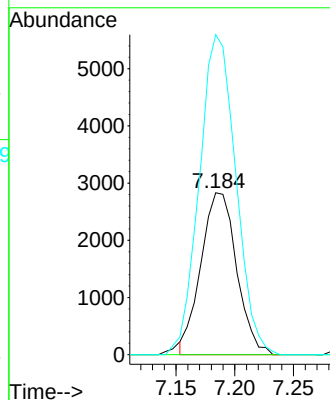
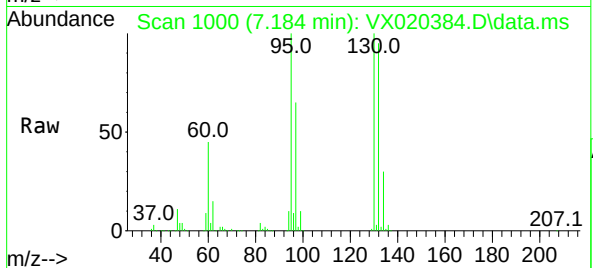
Delta R.T. -0.249 min

Lab File: VX020384.D

Acq: 24 Dec 2020 13:49

Tgt Ion:	83	Resp:	5974
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	197.7	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :



#44

Trichloroethene

Concen: 149.41 ug/l

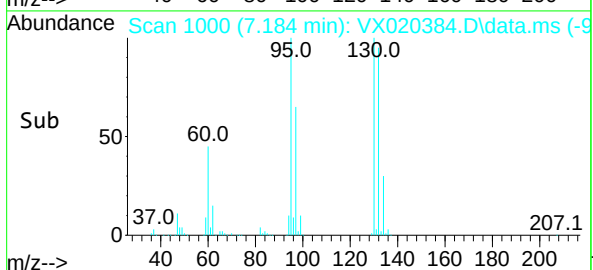
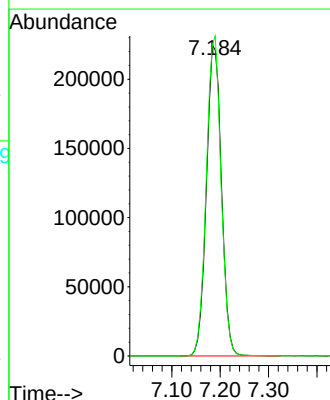
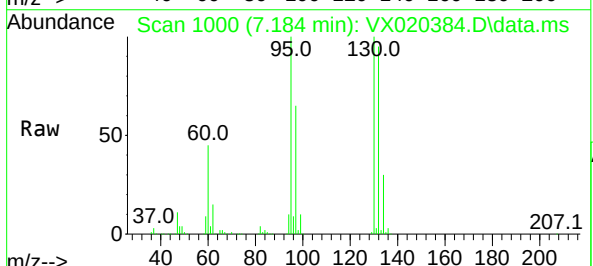
RT: 7.184 min Scan# 1000

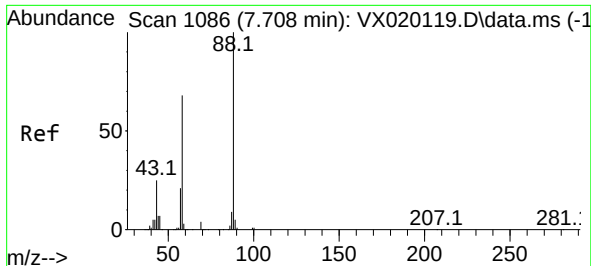
Delta R.T. -0.000 min

Lab File: VX020384.D

Acq: 24 Dec 2020 13:49

Tgt Ion:	130	Resp:	485534
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	198.0

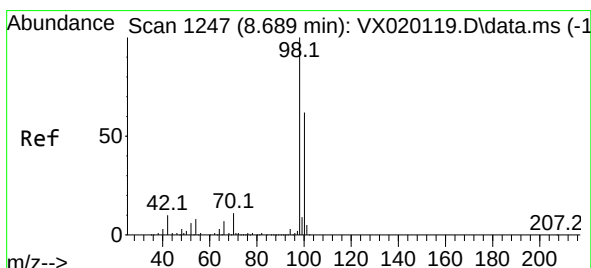
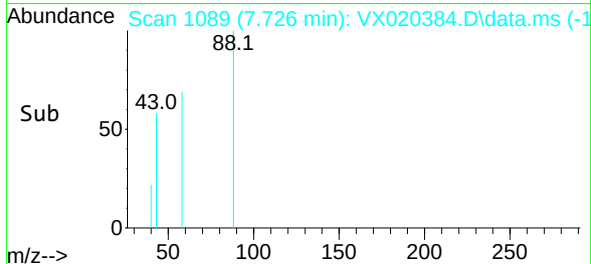
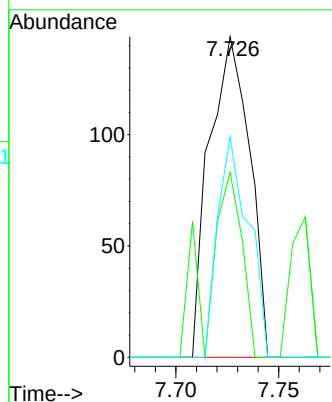
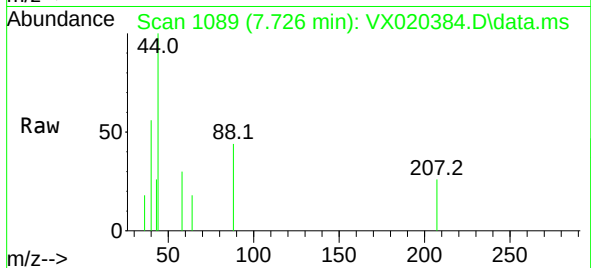




#49
1,4-Dioxane
Concen: 2.58 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.018 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

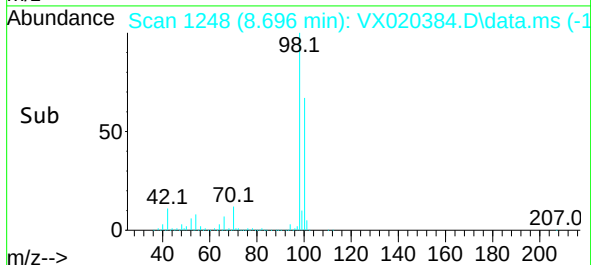
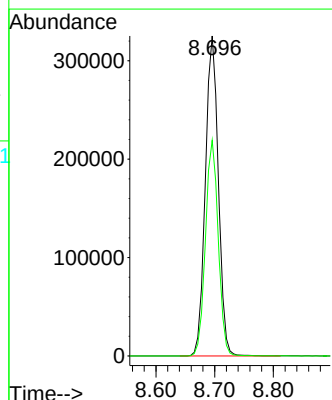
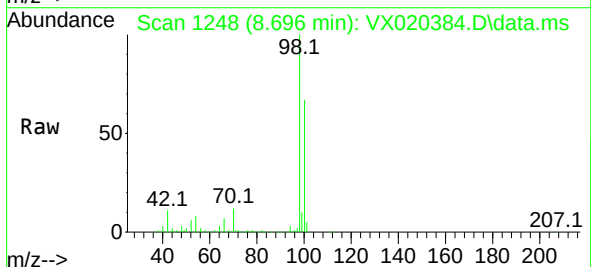
Instrument :
MSVOA_X
ClientSampled :

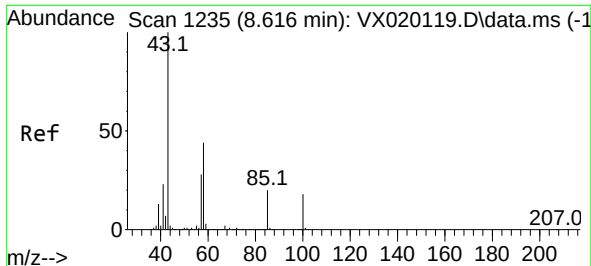
Tgt Ion: 88 Resp: 196
Ion Ratio Lower Upper
88 100
43 48.0 23.2 34.8#
58 52.6 55.0 82.4#



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 98 Resp: 501433
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

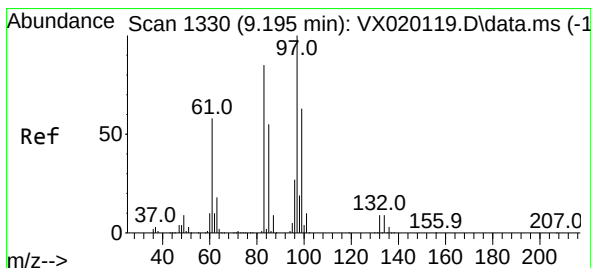
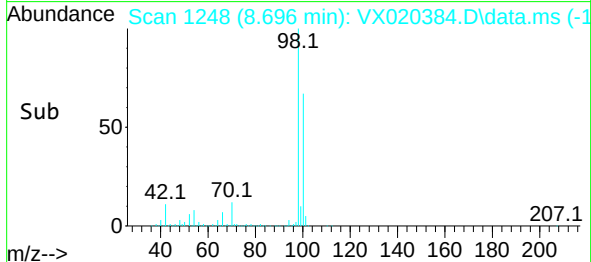
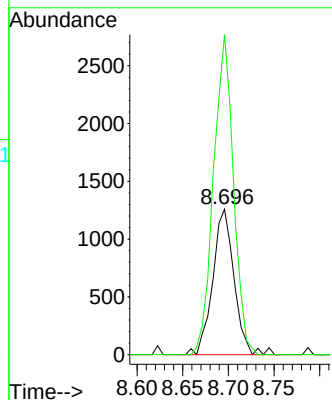
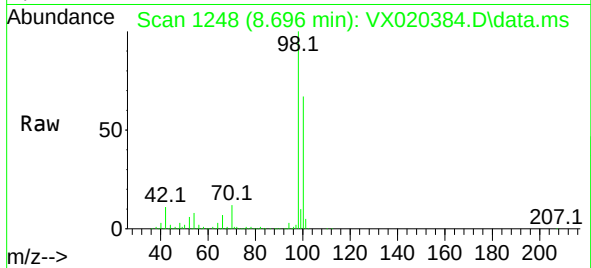




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

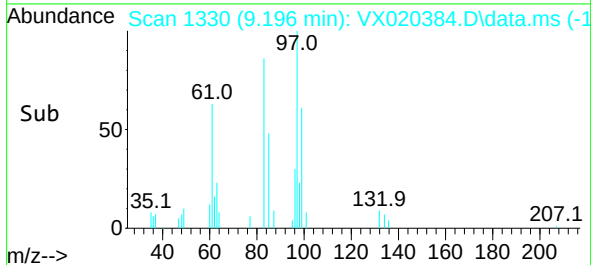
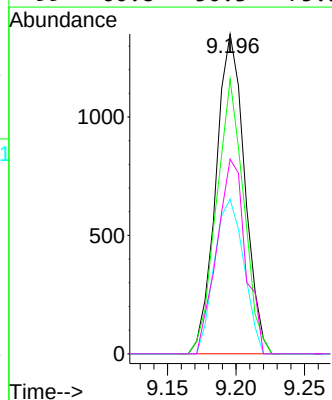
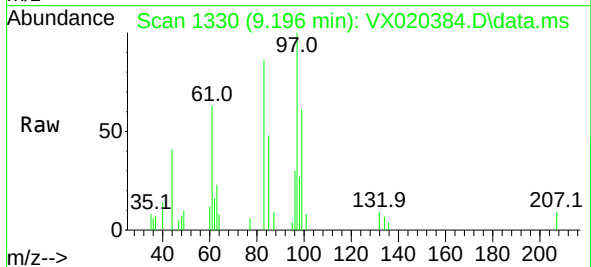
Instrument :
MSVOA_X
ClientSampled :

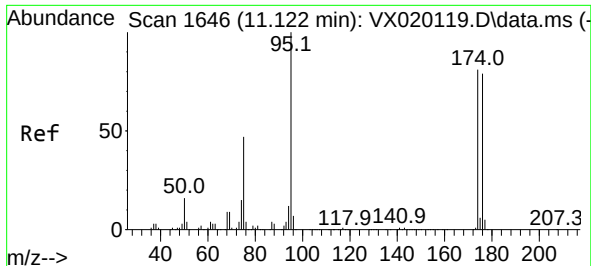
Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
58 205.5 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.62 ug/l
RT: 9.196 min Scan# 1330
Delta R.T. 0.001 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 97 Resp: 1969
Ion Ratio Lower Upper
97 100
83 85.9 69.3 103.9
85 48.3 44.3 66.5
99 60.8 50.3 75.5

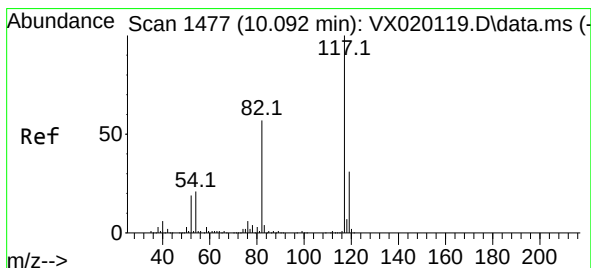
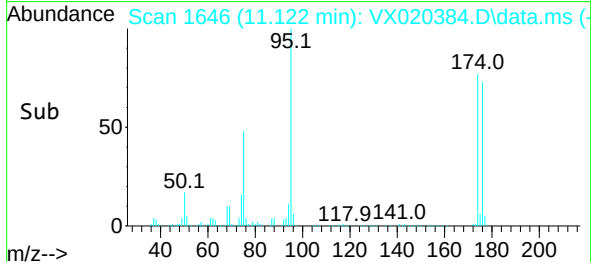
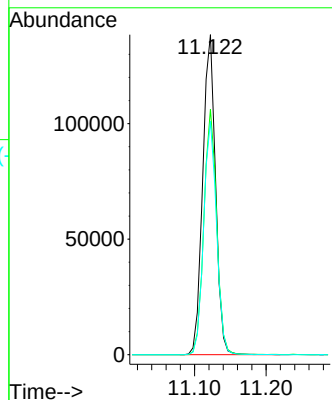
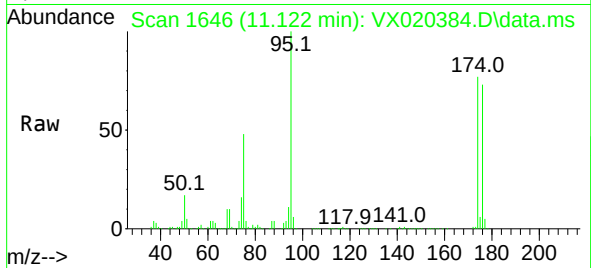




#62
4-Bromofluorobenzene
Concen: 44.72 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

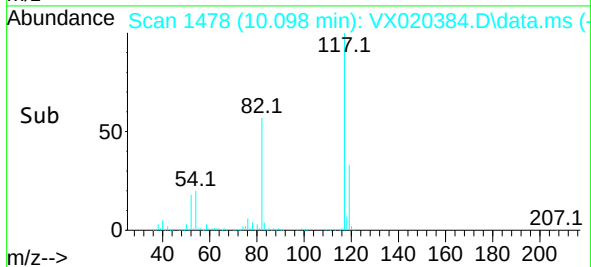
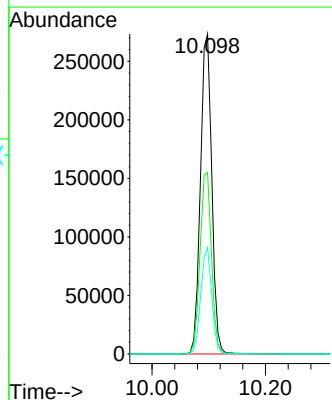
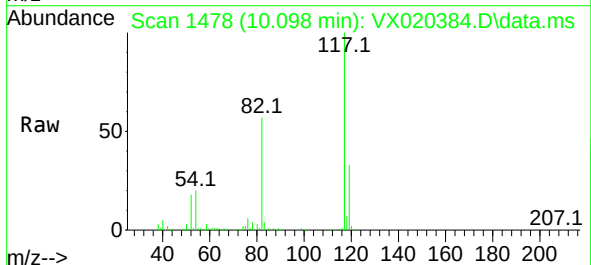
Instrument :
MSVOA_X
ClientSampled :

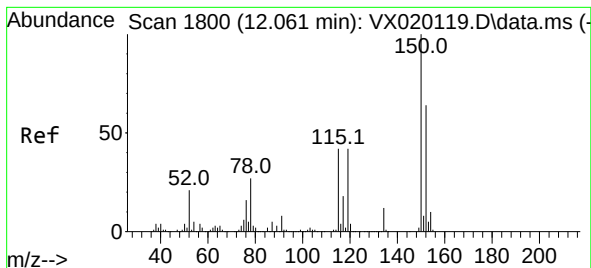
Tgt Ion: 95 Resp: 172215
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.6
176 73.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 117 Resp: 378888
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 33.2 26.6 39.8

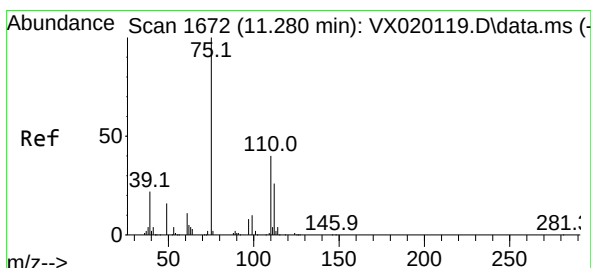
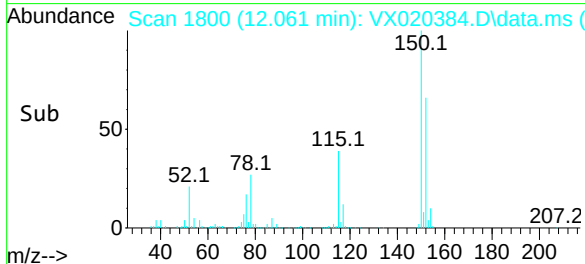
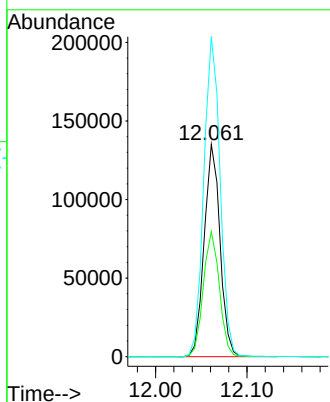
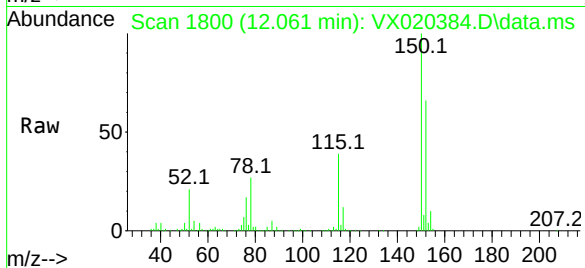




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020384.D
 Acq: 24 Dec 2020 13:49

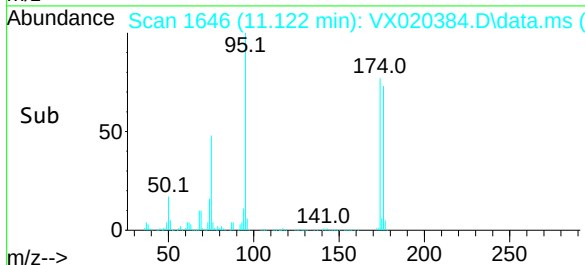
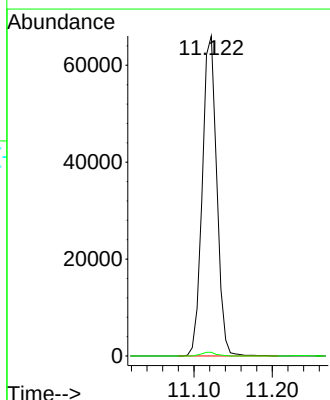
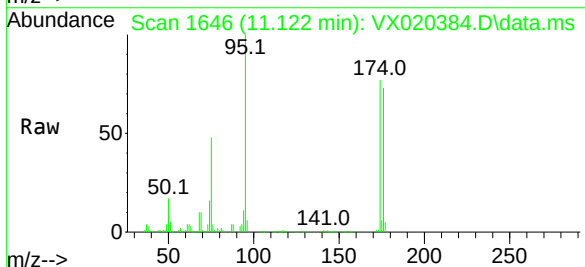
Instrument :
 MSVOA_X
 ClientSampled :

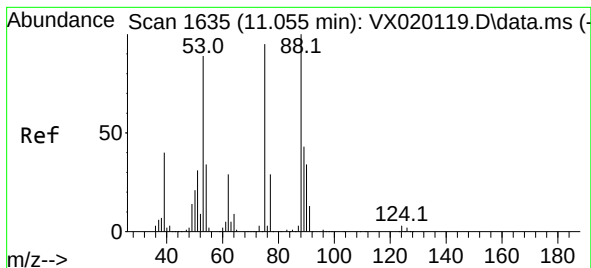
Tgt Ion:152 Resp: 162350
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 154.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.14 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020384.D
 Acq: 24 Dec 2020 13:49

Tgt Ion: 75 Resp: 84531
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

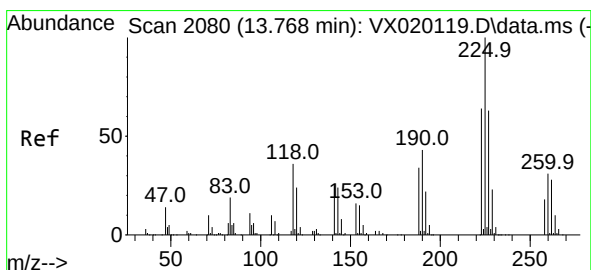
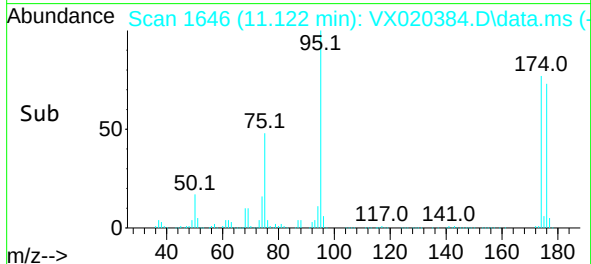
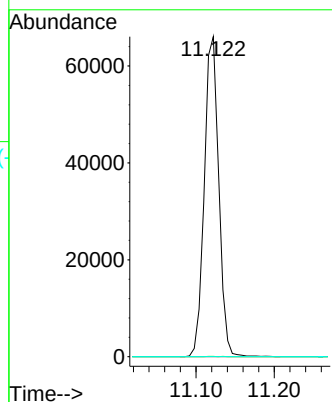
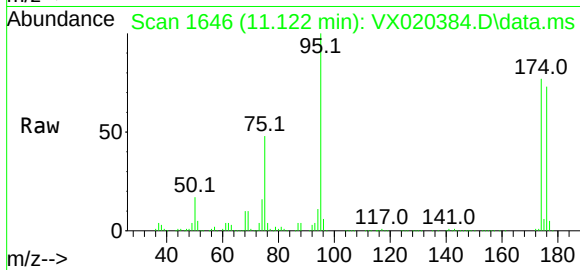




#81
trans-1,4-Dichloro-2-butene
Concen: 62.71 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 84531
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.67 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX020384.D
Acq: 24 Dec 2020 13:49

Tgt Ion: 225 Resp: 41
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#

