

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020258.D
 Acq On : 21 Dec 2020 18:23
 Operator : JC/MD
 Sample : L5053-20 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 01:35:53 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)

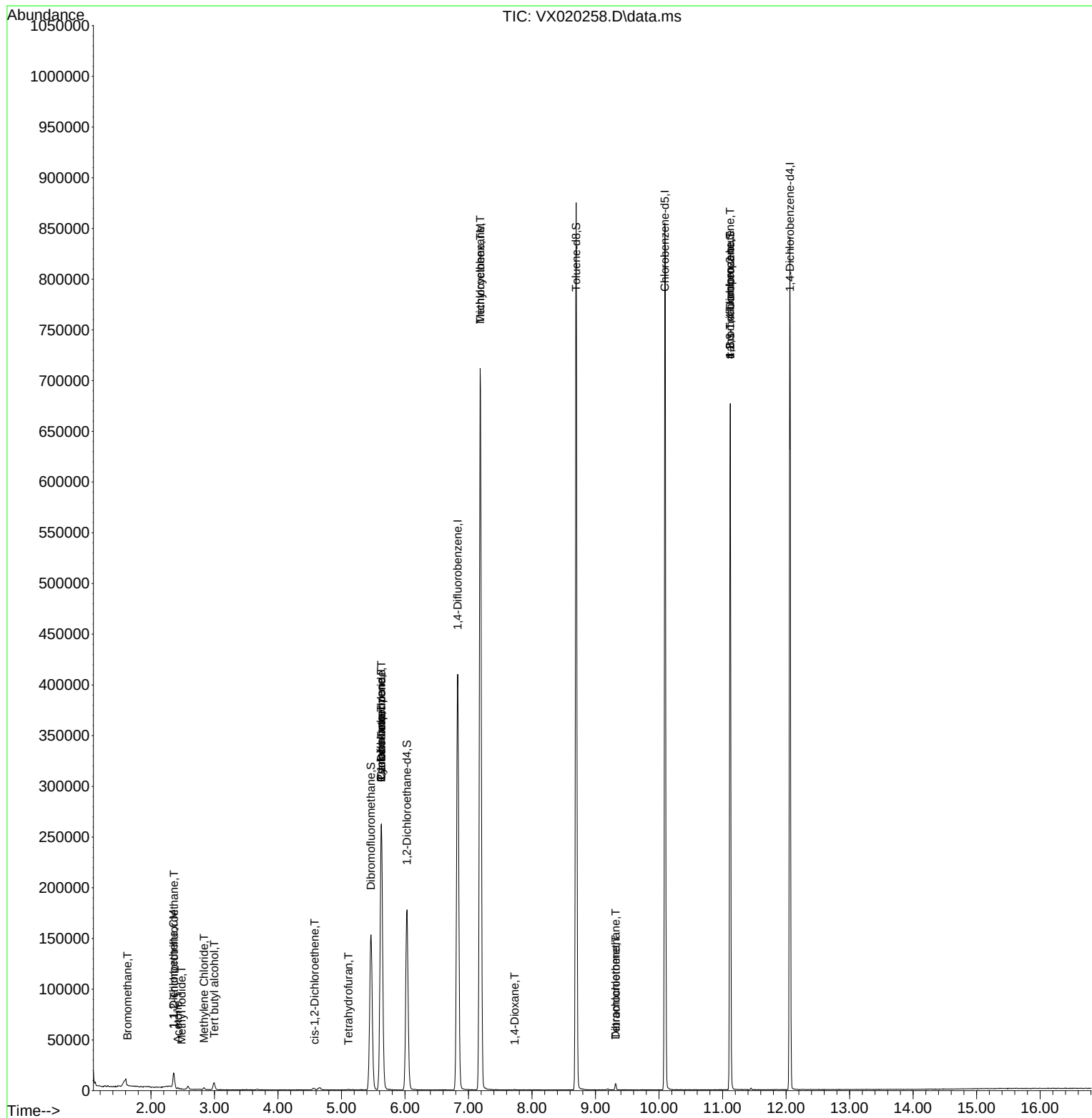
Internal Standards						
1) Pentafluorobenzene	5.623	168	251940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	421639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	396747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	168100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	170181	50.39	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.78%			
35) Dibromofluoromethane	5.464	113	135450	50.22	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.44%			
50) Toluene-d8	8.695	98	515110	49.61	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.22%			
62) 4-Bromofluorobenzene	11.122	95	182334	45.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.78%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	279	0.25	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.361	101	3402	1.35	ug/l	99
10) Methyl Iodide	2.483	142	22	3.29	ug/l #	42
11) Tert butyl alcohol	2.995	59	4044	5.35	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	2599	1.01	ug/l	94
16) Acetone	2.422	43	964	0.63	ug/l	97
20) Methylene Chloride	2.837	84	813	0.23	ug/l	93
27) cis-1,2-Dichloroethene	4.574	96	1073	0.30	ug/l	92
29) Tetrahydrofuran	5.111	42	510	0.36	ug/l #	59
31) Cyclohexane	5.623	56	4908	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20185	4.84	ug/l #	48
38) Carbon Tetrachloride	5.629	117	25079	6.33	ug/l #	16
39) Methylcyclohexane	7.184	83	3341	0.69	ug/l #	1
44) Trichloroethene	7.184	130	275305	82.10	ug/l	98
49) 1,4-Dioxane	7.726	88	139	1.77	ug/l #	34
60) Dibromochloromethane	9.317	129	1135	0.35	ug/l #	11
64) Tetrachloroethene	9.317	164	1201	0.40	ug/l	93
76) 1,2,3-Trichloropropane	11.122	75	87228	21.07	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	87228	62.50	ug/l #	12

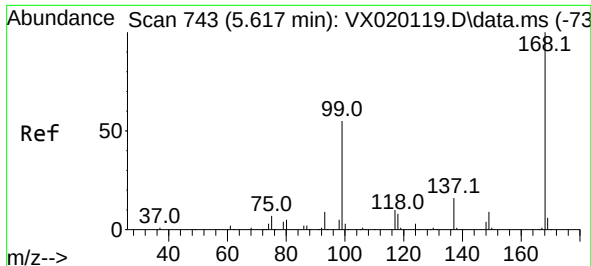
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L5053-20 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 22 01:35:53 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

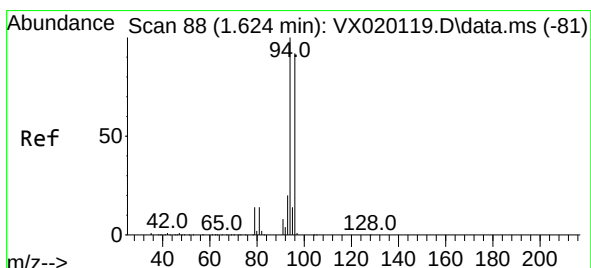
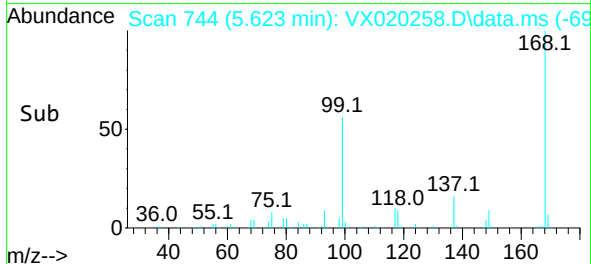
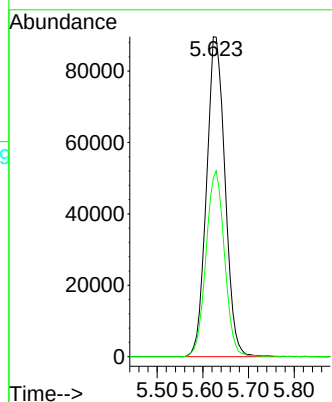
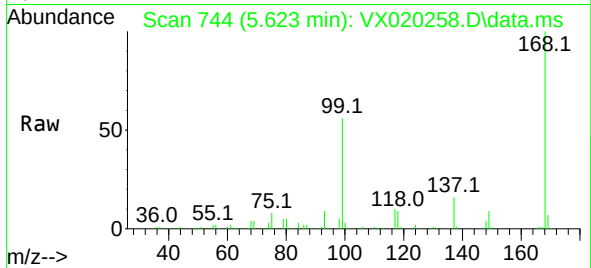




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

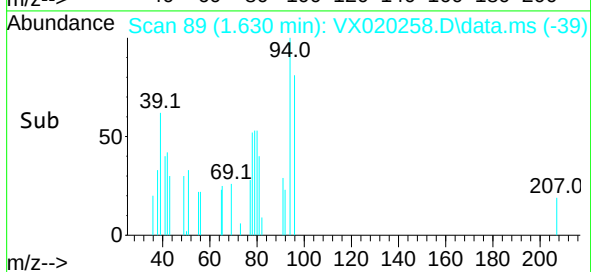
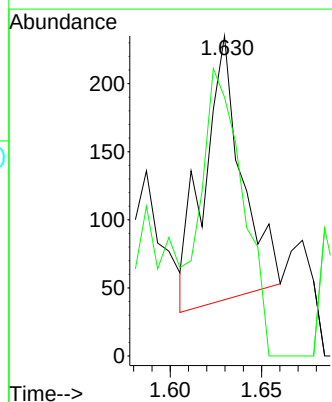
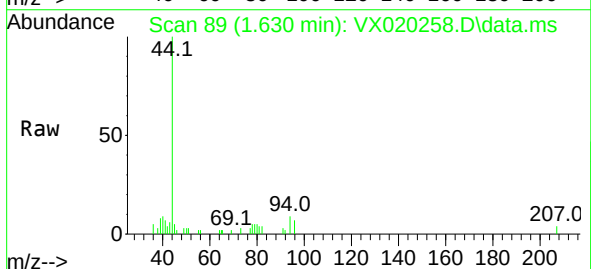
Instrument :
MSVOA_X
ClientSampled :

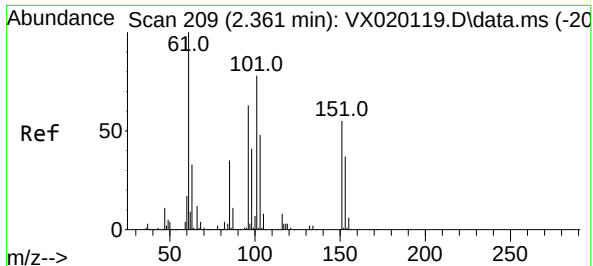
Tgt Ion:168 Resp: 251940
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#5
Bromomethane
Concen: 0.25 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 104.4 76.4 114.6

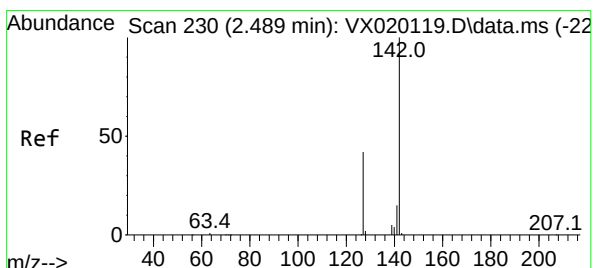
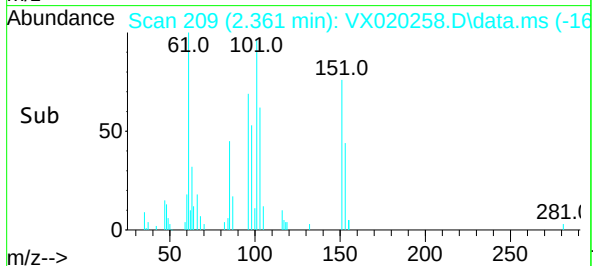
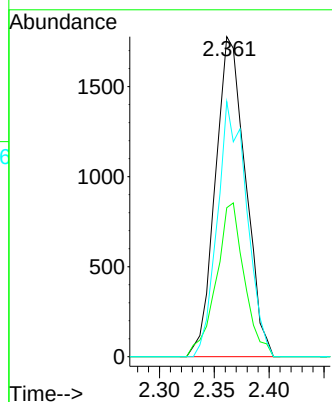
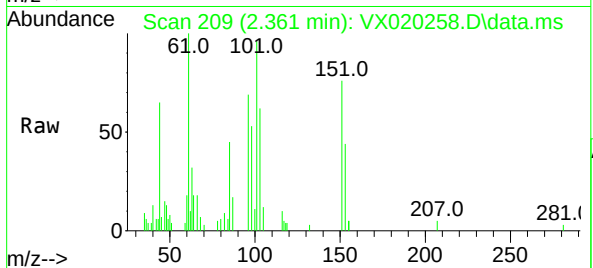




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.35 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

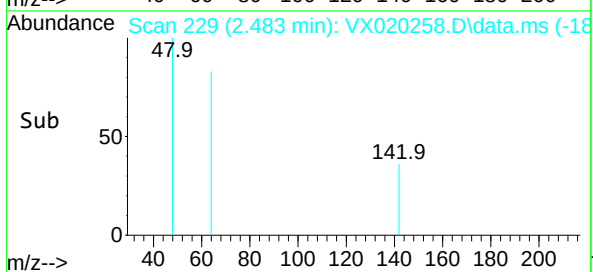
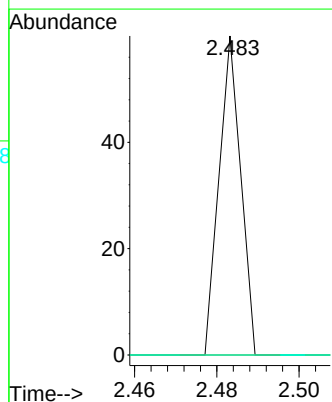
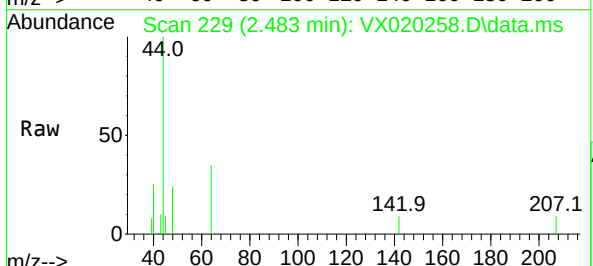
Instrument :
MSVOA_X
ClientSampled :

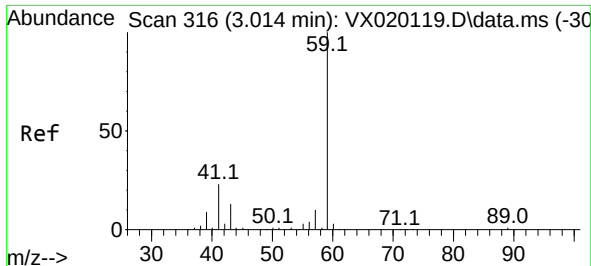
Tgt Ion:101 Resp: 3402
Ion Ratio Lower Upper
101 100
85 44.8 34.9 52.3
151 77.5 61.4 92.2



#10
Methyl Iodide
Concen: 3.29 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



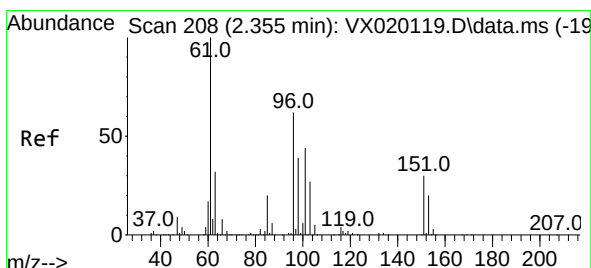
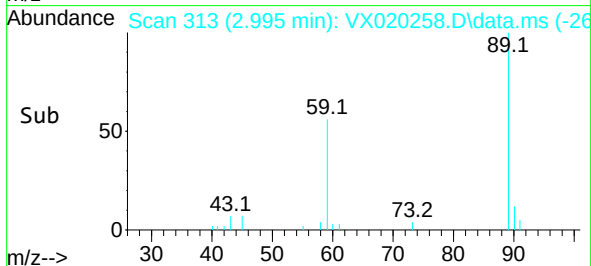
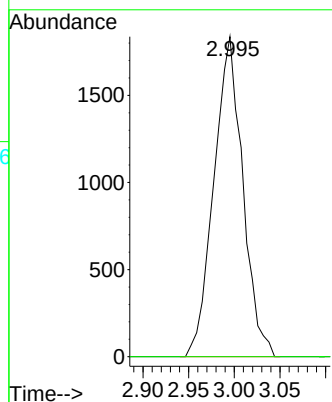
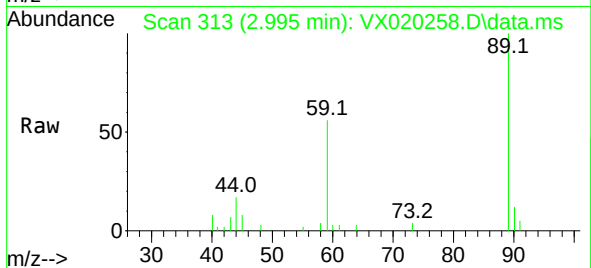


#11

Tert butyl alcohol
Concen: 5.35 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Instrument :
MSVOA_X
ClientSampled :

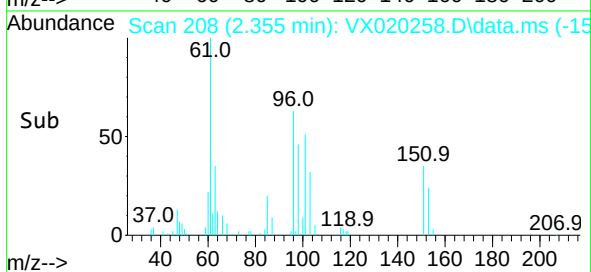
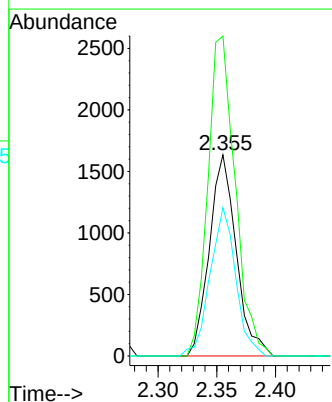
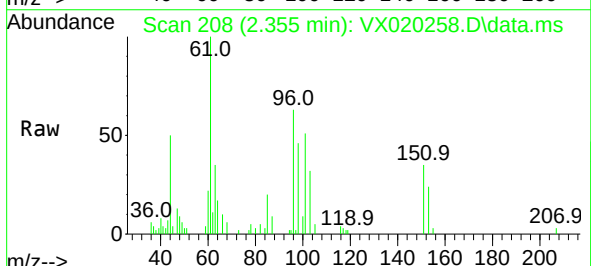
Tgt Ion: 59 Resp: 4044
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

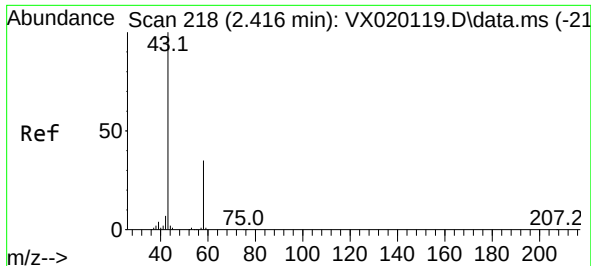


#12

1,1-Dichloroethene
Concen: 1.01 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion: 96 Resp: 2599
Ion Ratio Lower Upper
96 100
61 159.1 124.6 187.0
98 73.8 50.6 76.0

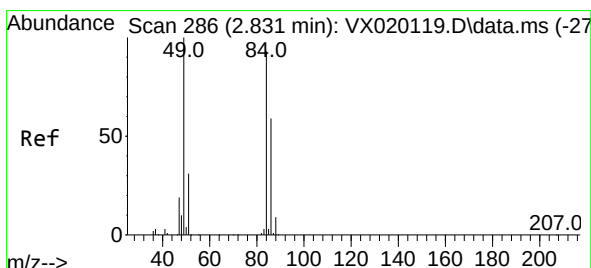
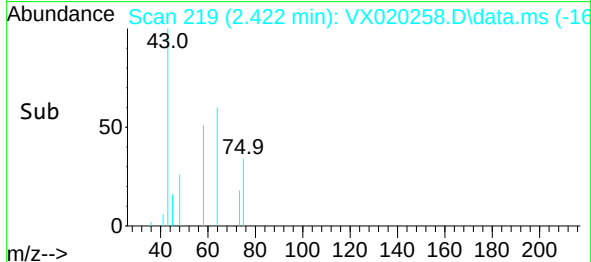
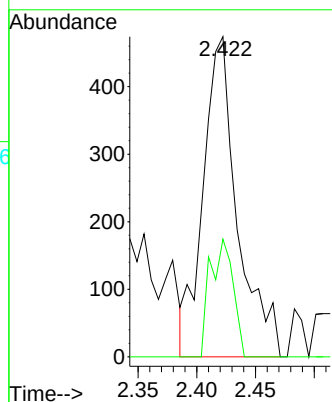
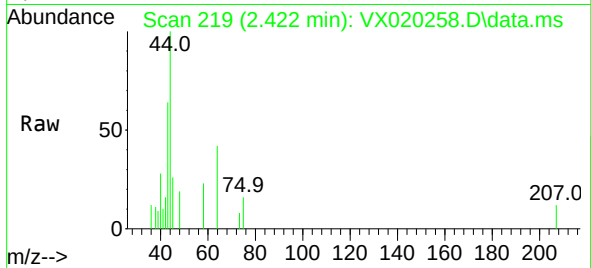




#16
Acetone
Concen: 0.63 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

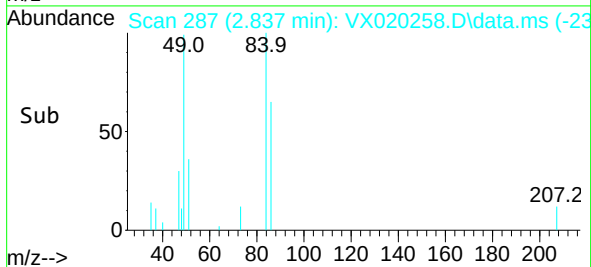
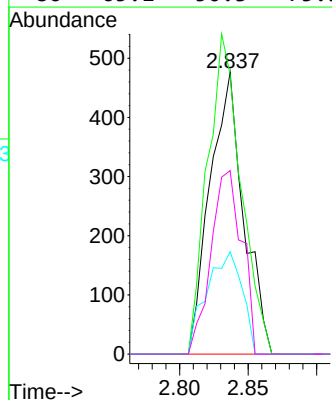
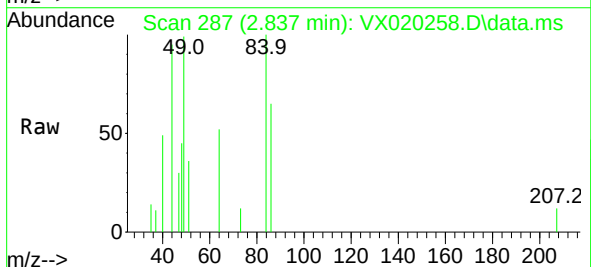
Instrument :
MSVOA_X
ClientSampleId :

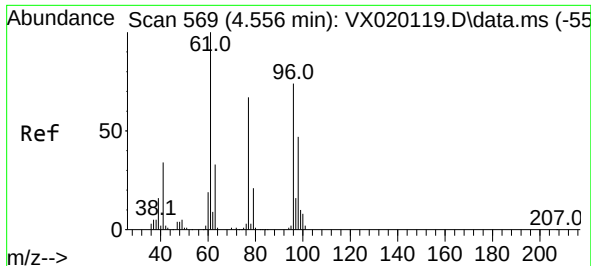
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 36.7 27.8 41.8



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion: 84 Resp: 813
Ion Ratio Lower Upper
84 100
49 99.2 88.6 132.8
51 36.3 27.0 40.6
86 65.1 50.3 75.5

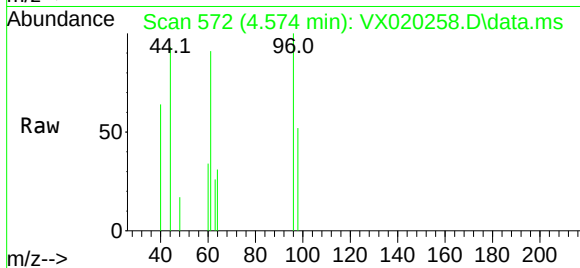




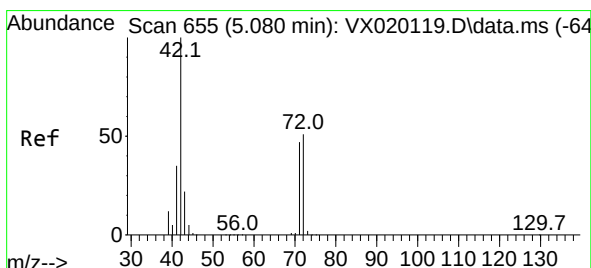
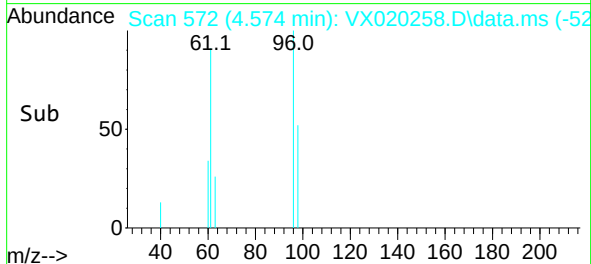
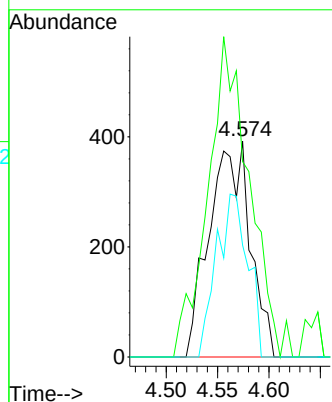
#27

cis-1,2-Dichloroethene
Concen: 0.30 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Instrument :
MSVOA_X
ClientSampled :

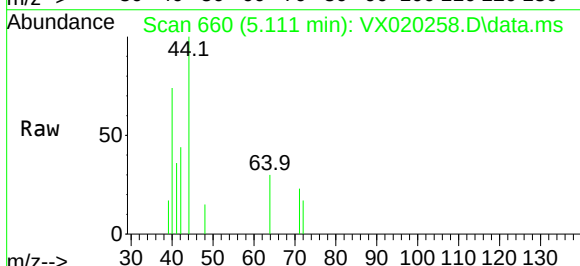


Tgt Ion: 96	Resp: 1073
Ion Ratio	Lower Upper
96 100	
61 152.2	0.0 285.6
98 58.4	0.0 129.6

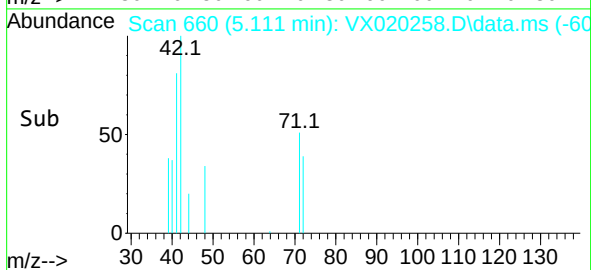
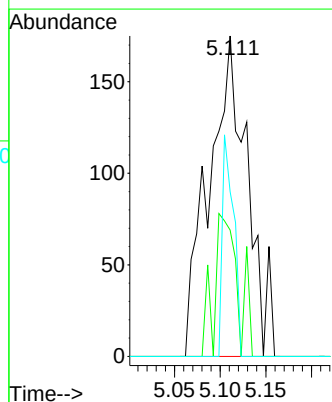


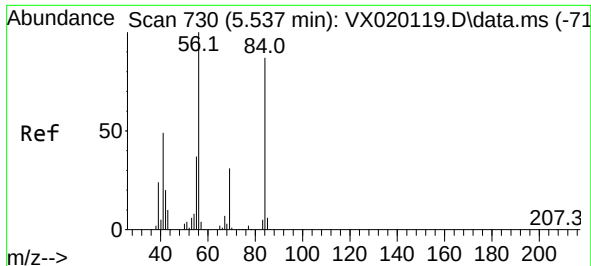
#29

Tetrahydrofuran
Concen: 0.36 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.031 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23



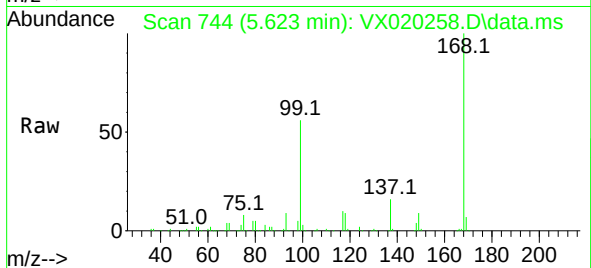
Tgt Ion: 42	Resp: 510
Ion Ratio	Lower Upper
42 100	
72 23.3	41.7 62.5#
71 20.4	38.4 57.6#



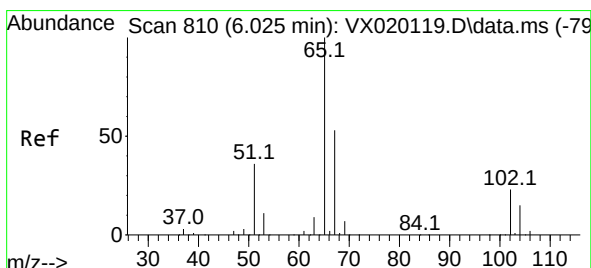
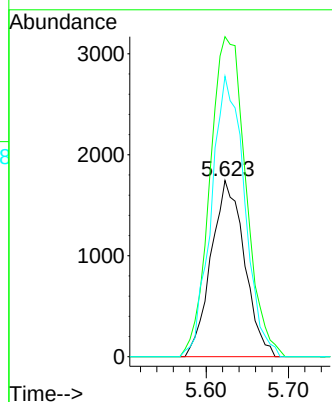
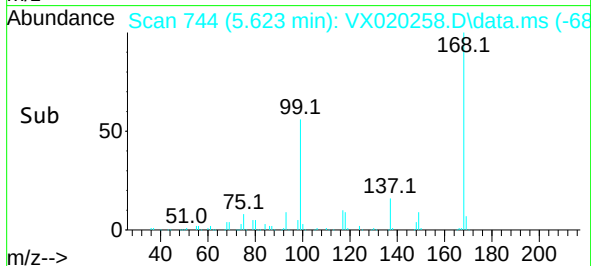


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

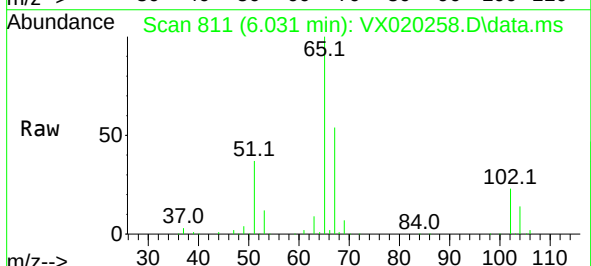
Instrument :
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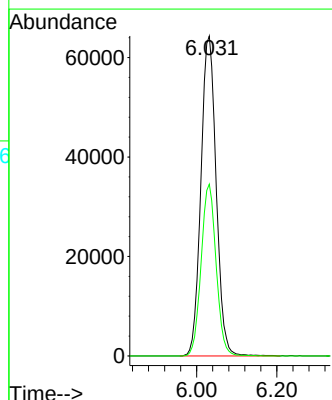
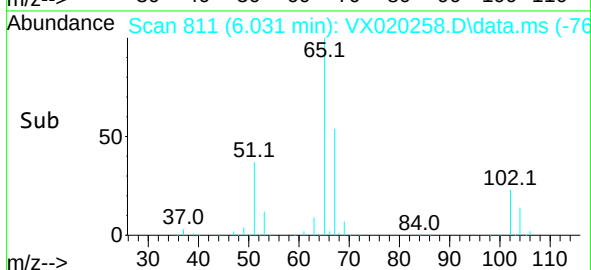
Tgt Ion: 56 Resp: 4908
Ion Ratio Lower Upper
56 100
69 181.7 25.3 37.9#
84 159.1 71.4 107.0#

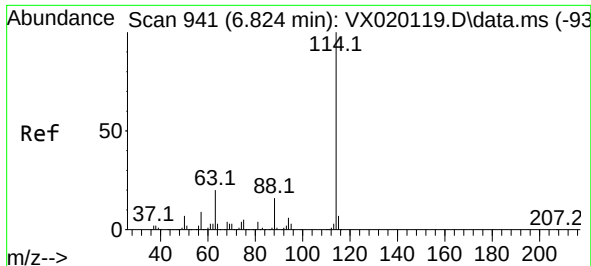


#33
1,2-Dichloroethane-d4
Concen: 50.39 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23



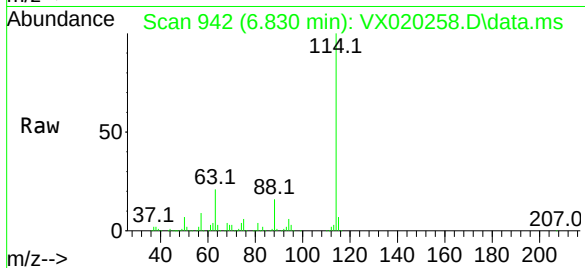
Tgt Ion: 65 Resp: 170181
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4



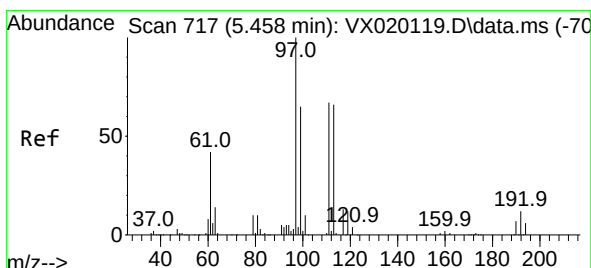
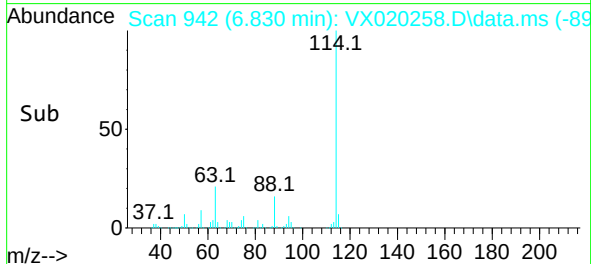
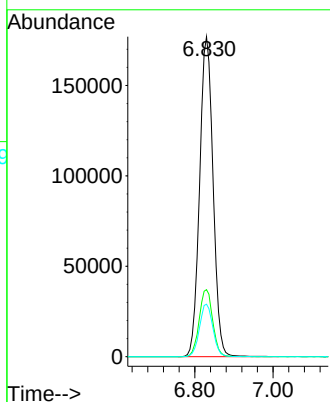


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

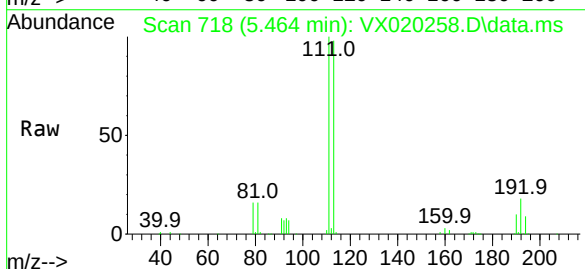
Instrument :
MSVOA_X
ClientSampleId :



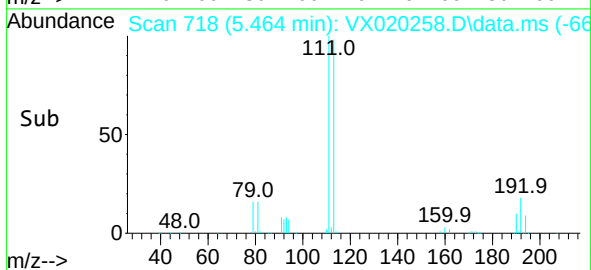
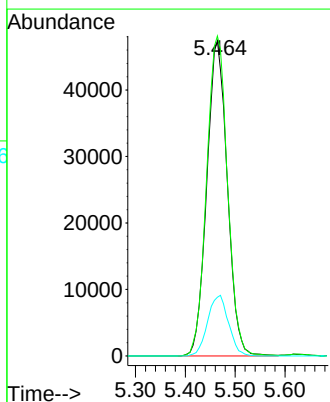
Tgt Ion:114 Resp: 421639
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.4 0.0 32.8

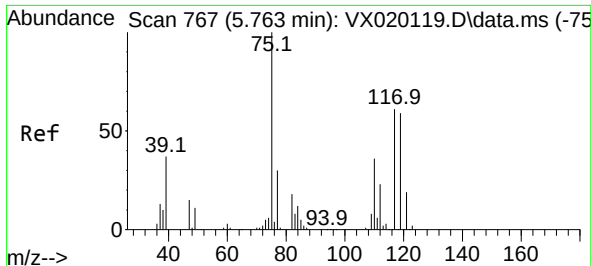


#35
Dibromofluoromethane
Concen: 50.22 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23



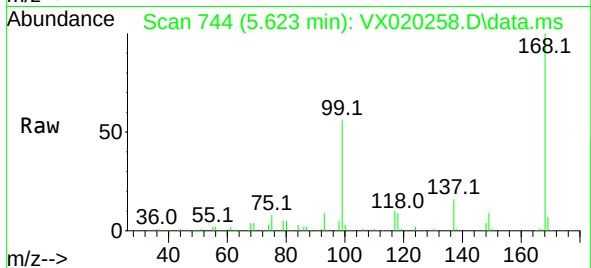
Tgt Ion:113 Resp: 135450
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.6 16.7 25.1



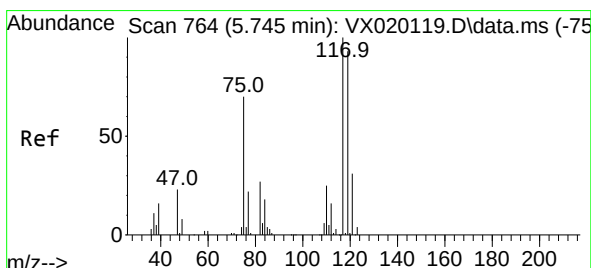
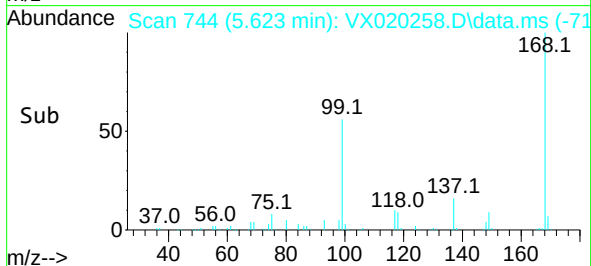
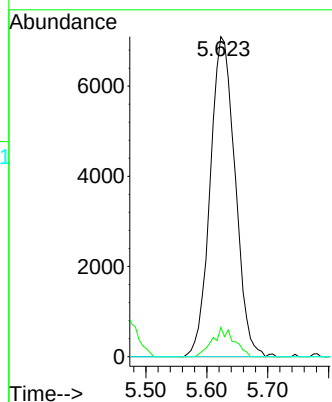


#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Instrument :
MSVOA_X
ClientSampled :

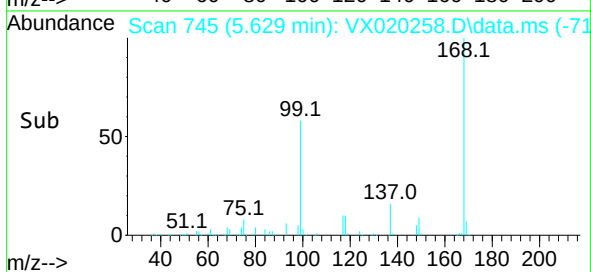
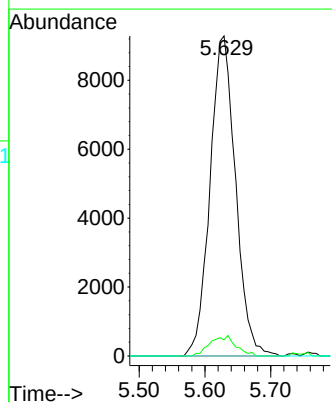
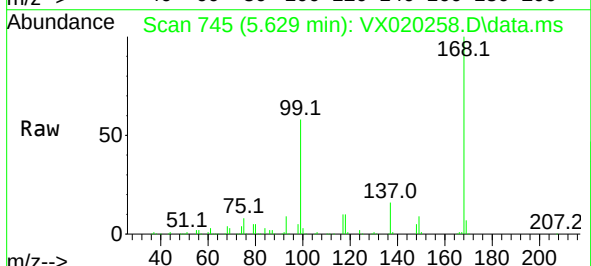


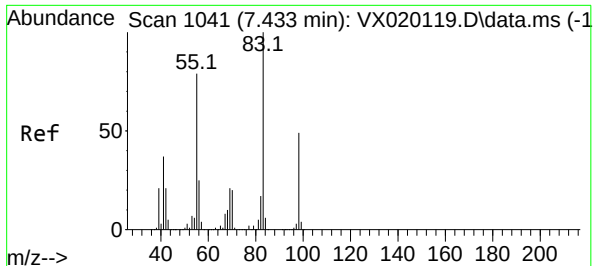
Tgt Ion: 75 Resp: 20185
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion: 117 Resp: 25079
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.69 ug/l

RT: 7.184 min Scan# 1000

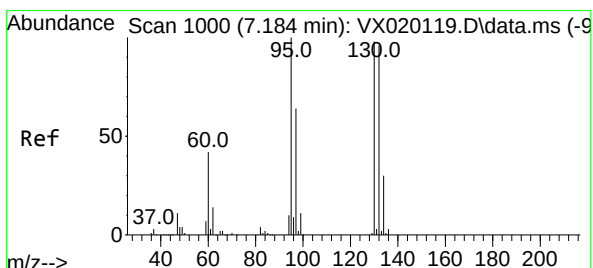
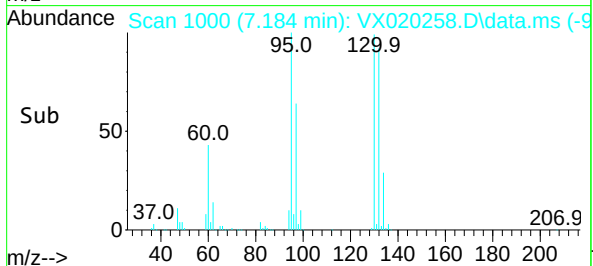
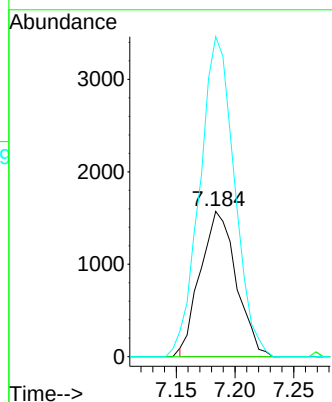
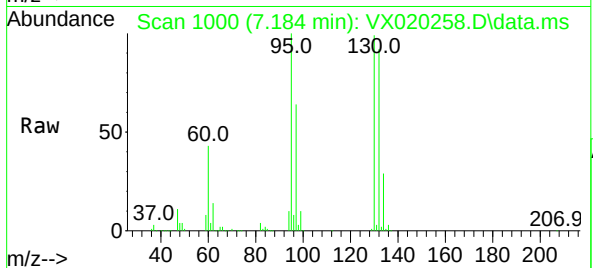
Delta R.T. -0.249 min

Lab File: VX020258.D

Acq: 21 Dec 2020 18:23

Tgt Ion:	83	Resp:	3341
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	220.2	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :



#44

Trichloroethene

Concen: 82.10 ug/l

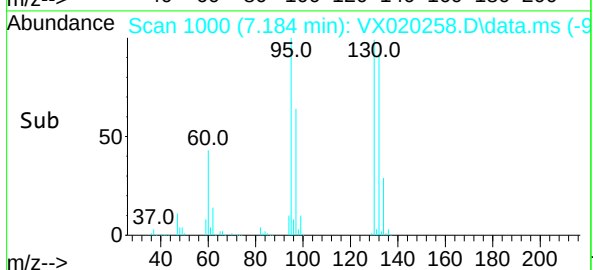
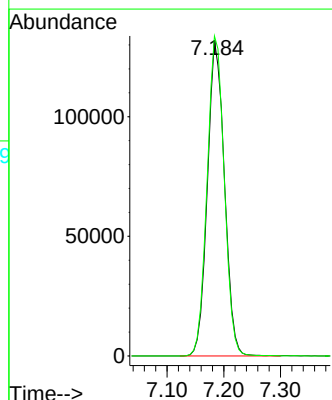
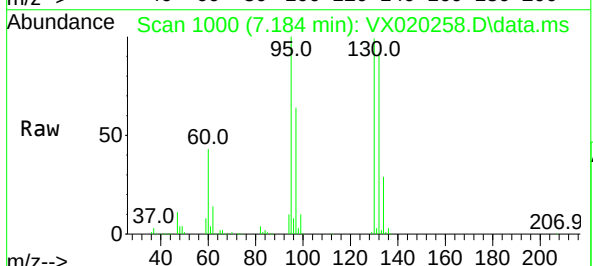
RT: 7.184 min Scan# 1000

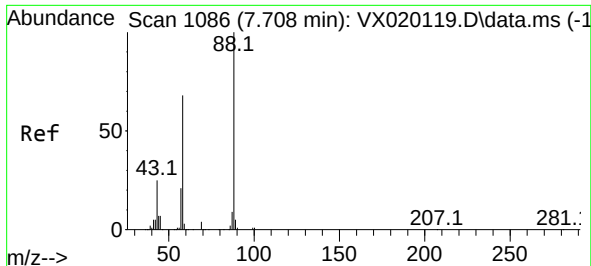
Delta R.T. -0.000 min

Lab File: VX020258.D

Acq: 21 Dec 2020 18:23

Tgt Ion:	130	Resp:	275305
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	198.0

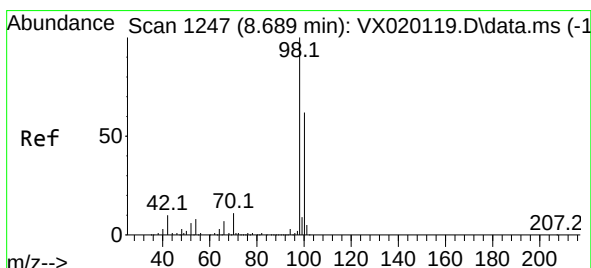
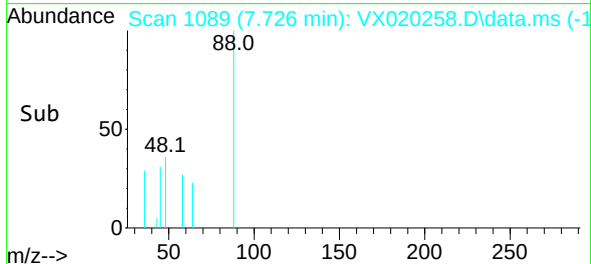
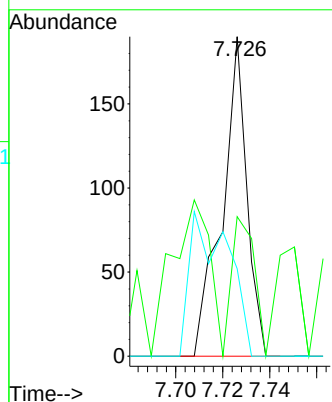
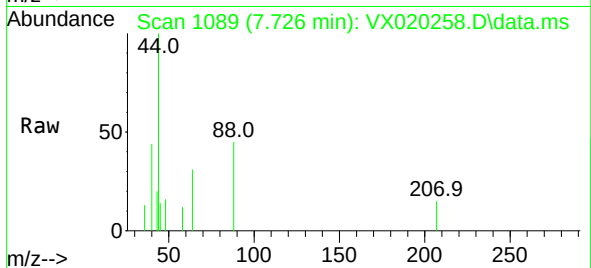




#49
1,4-Dioxane
Concen: 1.77 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.018 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

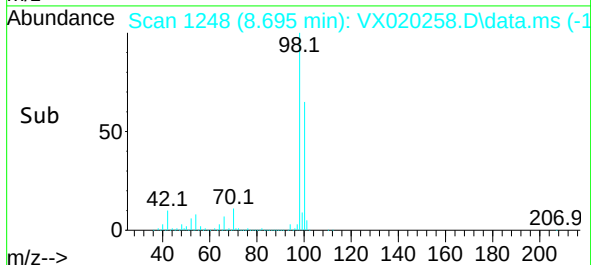
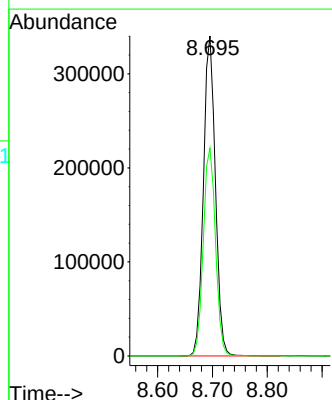
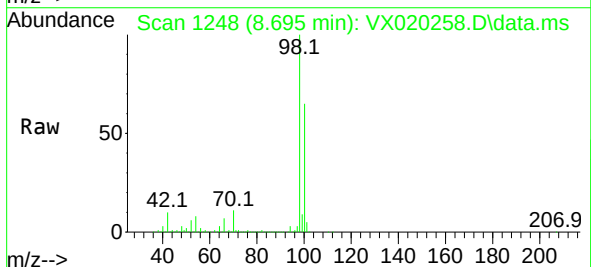
Instrument :
MSVOA_X
ClientSampled :

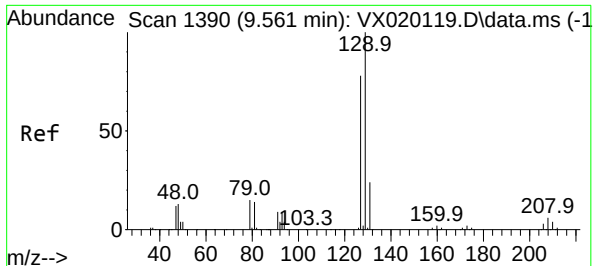
Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 40.3 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 49.61 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion: 98 Resp: 515110
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

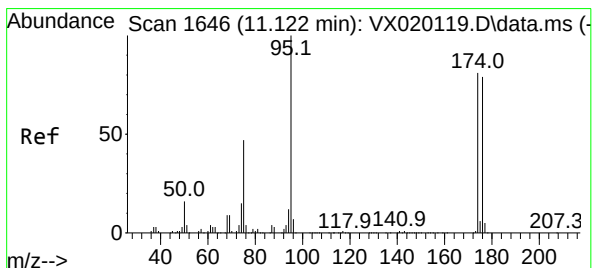
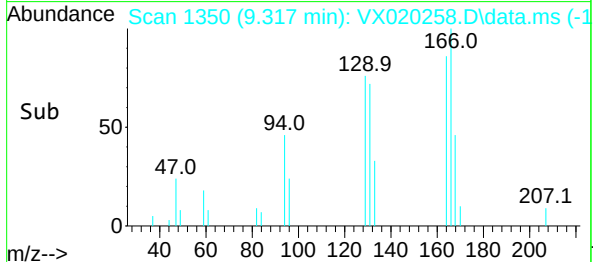
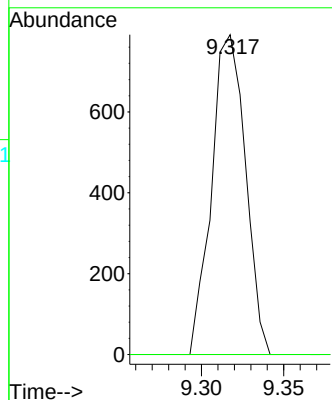
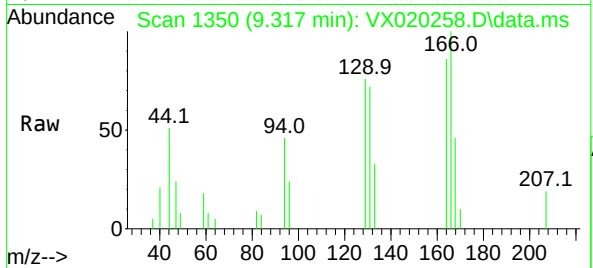




#60
 Dibromochloromethane
 Concen: 0.35 ug/l
 RT: 9.317 min Scan# 1350
 Delta R.T. -0.244 min
 Lab File: VX020258.D
 Acq: 21 Dec 2020 18:23

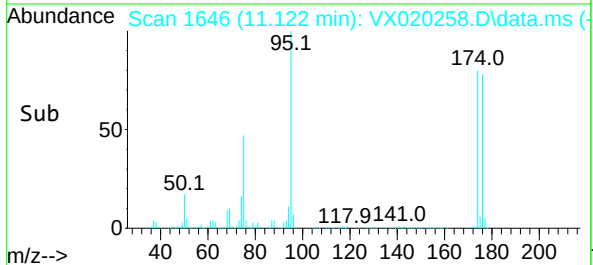
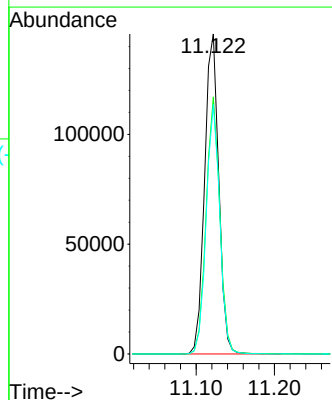
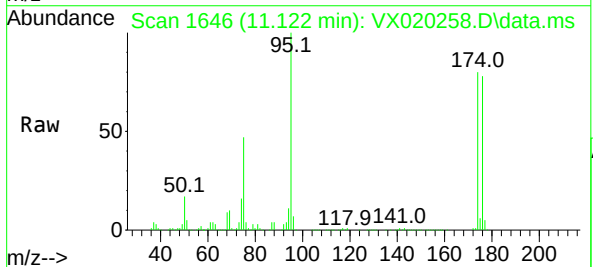
Instrument :
 MSVOA_X
 ClientSampleId :

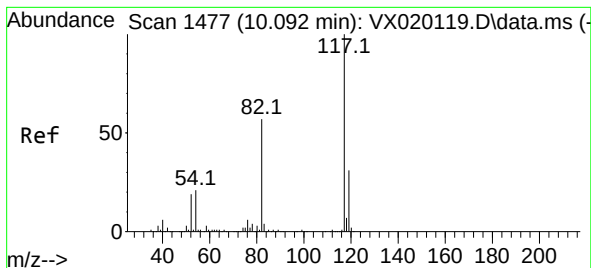
Tgt Ion:129 Resp: 1135
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#



#62
 4-Bromofluorobenzene
 Concen: 45.89 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.000 min
 Lab File: VX020258.D
 Acq: 21 Dec 2020 18:23

Tgt Ion: 95 Resp: 182334
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 154.6
 176 74.7 0.0 155.8

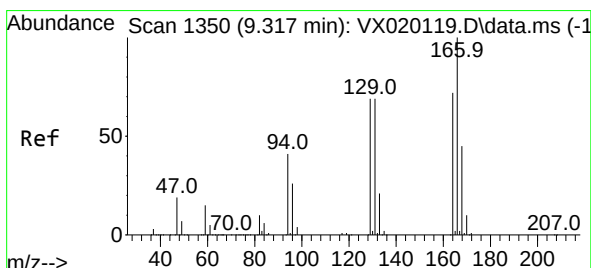
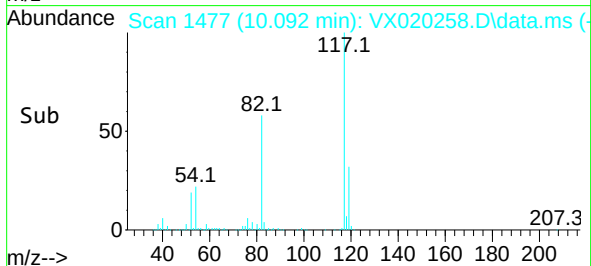
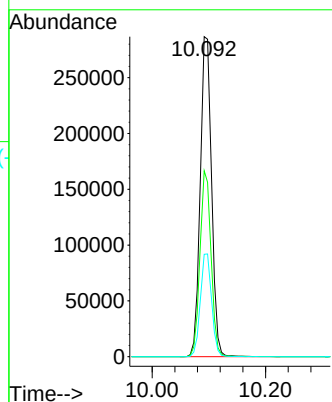
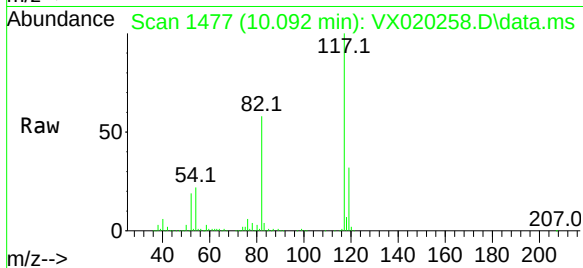




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

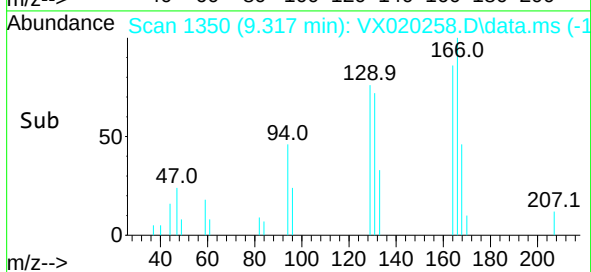
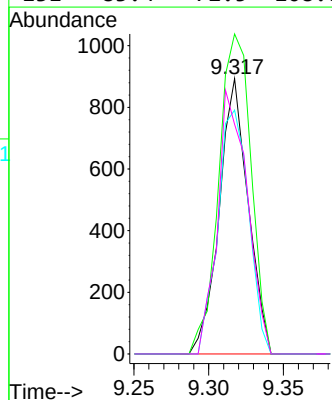
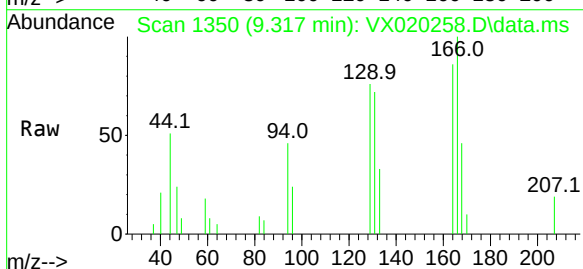
Instrument :
MSVOA_X
ClientSampleId :

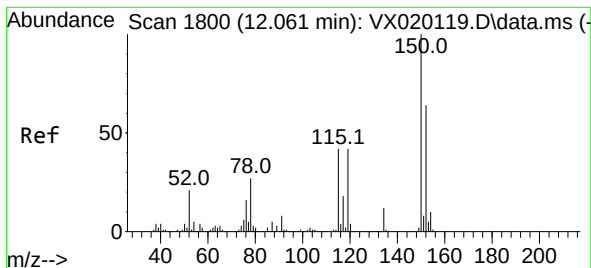
Tgt Ion:117 Resp: 396747
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.0 26.6 39.8



#64
Tetrachloroethene
Concen: 0.40 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020258.D
Acq: 21 Dec 2020 18:23

Tgt Ion:164 Resp: 1201
Ion Ratio Lower Upper
164 100
166 116.2 103.4 155.2
129 88.6 70.8 106.2
131 83.4 72.5 108.7

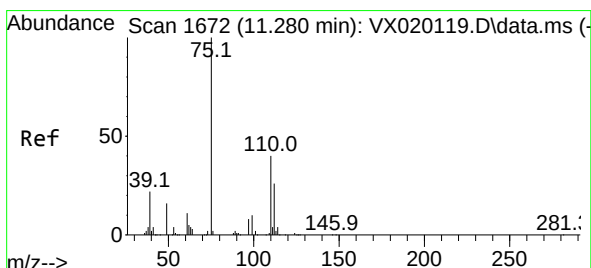
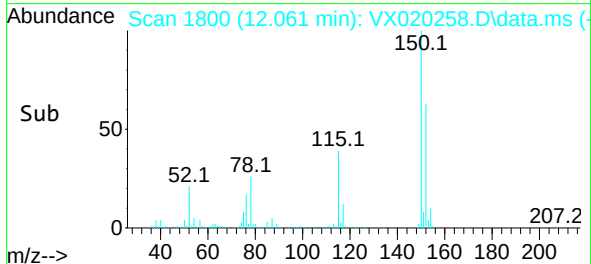
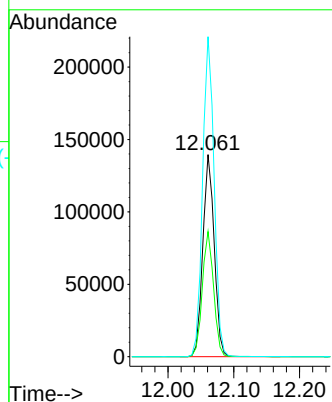
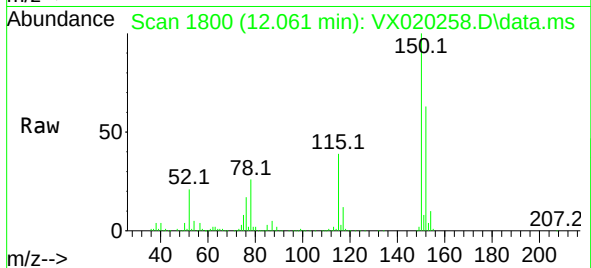




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020258.D
 Acq: 21 Dec 2020 18:23

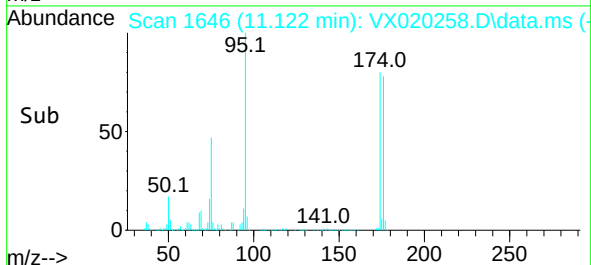
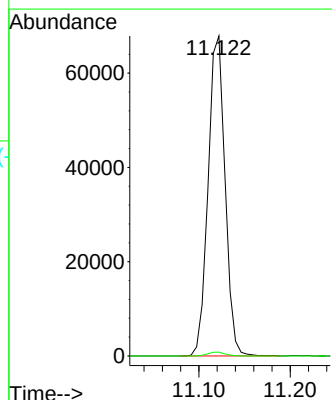
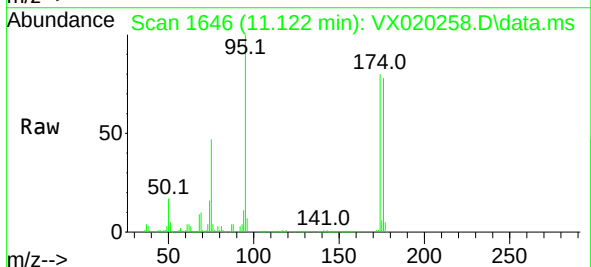
Instrument :
 MSVOA_X
 ClientSampleId :

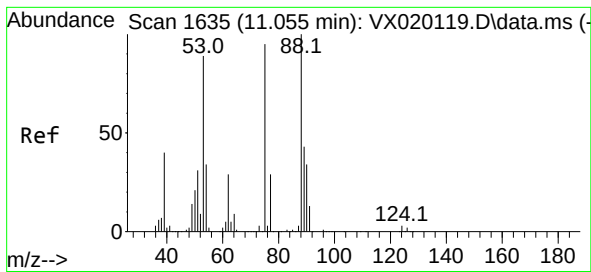
Tgt Ion:152 Resp: 168100
 Ion Ratio Lower Upper
 152 100
 115 61.2 41.1 123.3
 150 159.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.07 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020258.D
 Acq: 21 Dec 2020 18:23

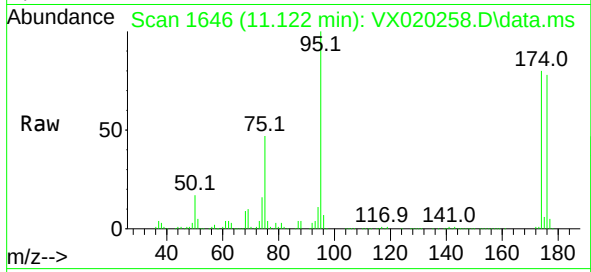
Tgt Ion: 75 Resp: 87228
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.50 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020258.D
 Acq: 21 Dec 2020 18:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 87228
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

