

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020259.D
 Acq On : 21 Dec 2020 18:46
 Operator : JC/MD
 Sample : L5053-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 01:36:13 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)

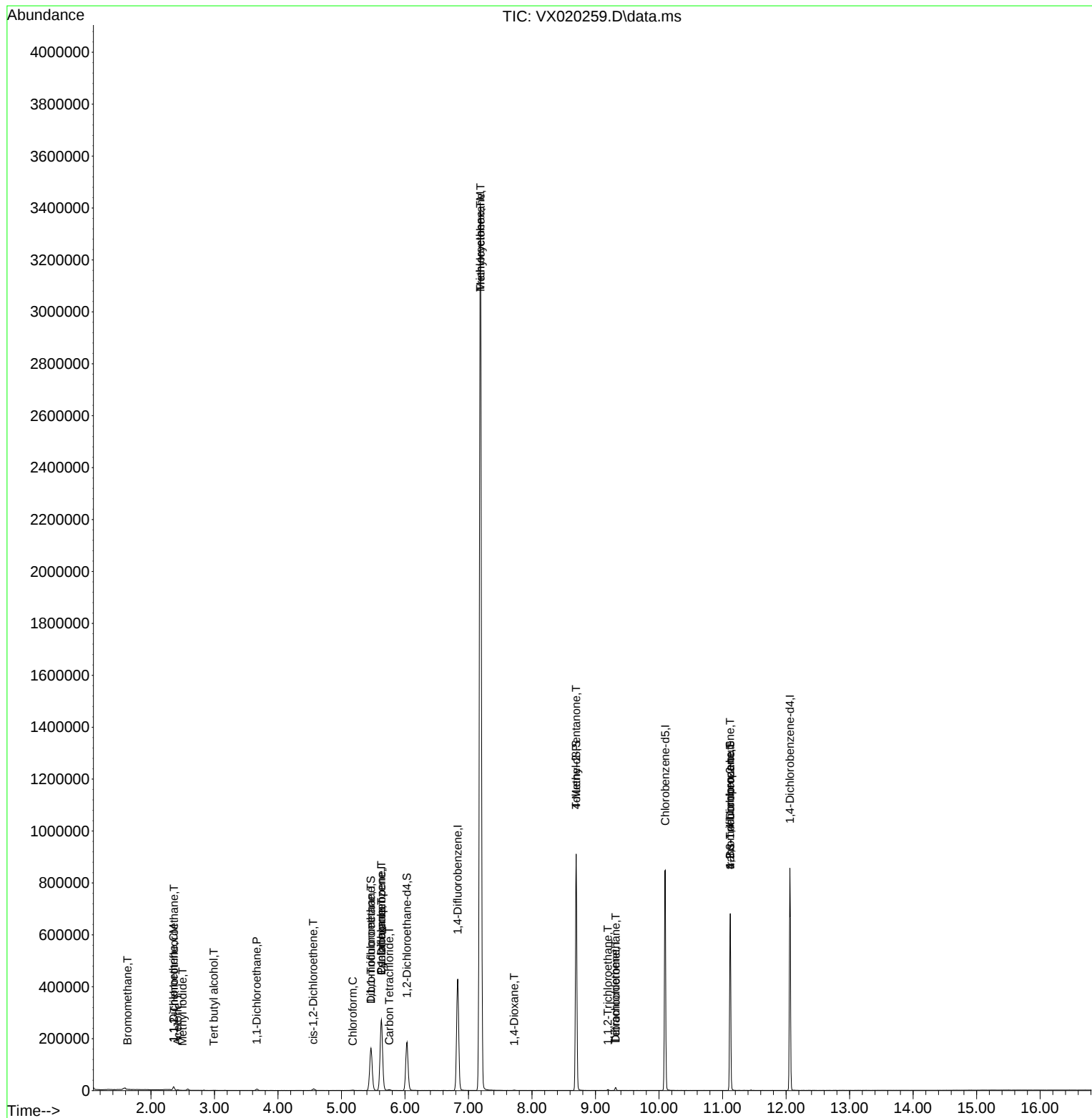
Internal Standards						
1) Pentafluorobenzene	5.629	168	257654	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	434360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	405324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	172773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	176884	51.22	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.44%	
35) Dibromofluoromethane	5.465	113	140872	50.70	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.40%	
50) Toluene-d8	8.696	98	534990	50.02	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.04%	
62) 4-Bromofluorobenzene	11.122	95	183333	44.79	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.58%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	306	0.27	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.361	101	1545	0.60	ug/l	97
10) Methyl Iodide	2.496	142	41	3.30	ug/l #	42
11) Tert butyl alcohol	2.989	59	229	0.30	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	3315	1.26	ug/l	97
16) Acetone	2.416	43	1534	0.97	ug/l	98
24) 1,1-Dichloroethane	3.666	63	6097	1.09	ug/l	98
27) cis-1,2-Dichloroethene	4.556	96	3916	1.09	ug/l	93
30) Chloroform	5.178	83	1827	0.32	ug/l	88
31) Cyclohexane	5.629	56	4934	1.04	ug/l #	1
32) 1,1,1-Trichloroethane	5.465	97	1750	0.37	ug/l #	48
36) 1,1-Dichloropropene	5.629	75	20087	4.68	ug/l #	48
38) Carbon Tetrachloride	5.751	117	2510	0.61	ug/l #	95
39) Methylcyclohexane	7.190	83	15855	3.20	ug/l #	1
44) Trichloroethene	7.184	130	1329540	384.90	ug/l	95
49) 1,4-Dioxane	7.720	88	1021	12.64	ug/l #	91
51) 4-Methyl-2-Pentanone	8.696	43	2247	0.52	ug/l #	1
55) 1,1,2-Trichloroethane	9.196	97	971	0.29	ug/l #	91
60) Dibromochloromethane	9.317	129	2124	0.64	ug/l #	11
64) Tetrachloroethene	9.311	164	2172	0.71	ug/l	90
76) 1,2,3-Trichloropropane	11.122	75	90544	21.28	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	90544	63.12	ug/l #	12

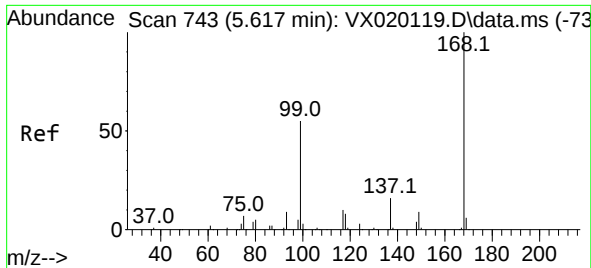
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Dec 22 01:36:13 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

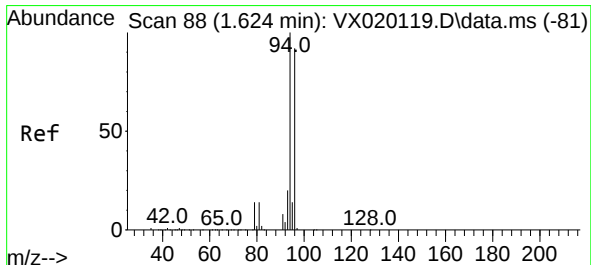
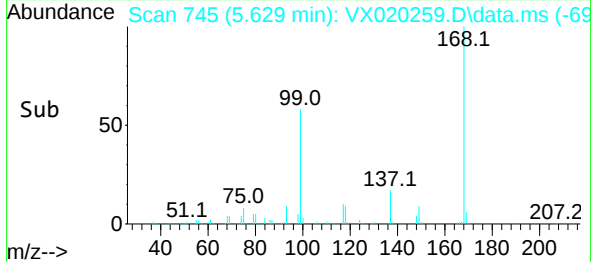
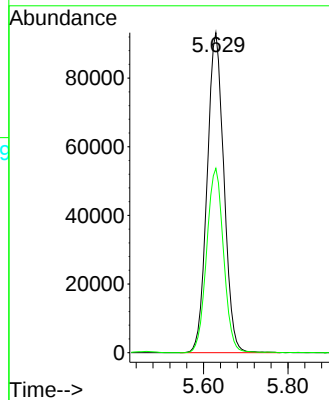
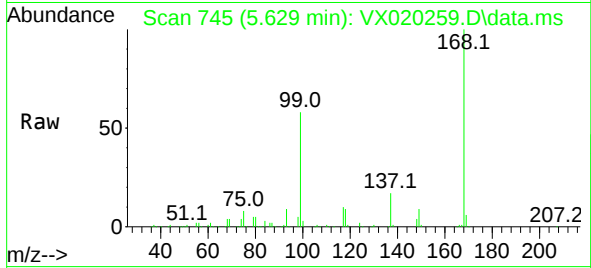




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

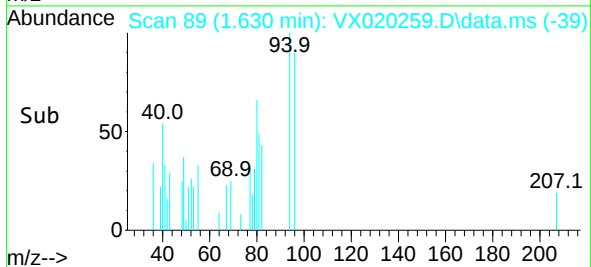
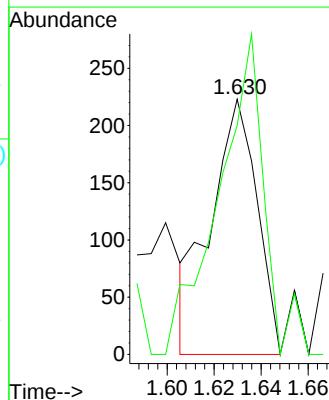
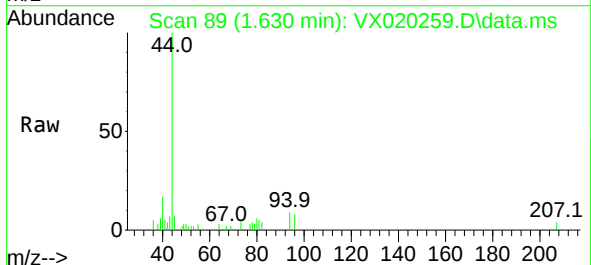
Instrument :
MSVOA_X
ClientSampleId :

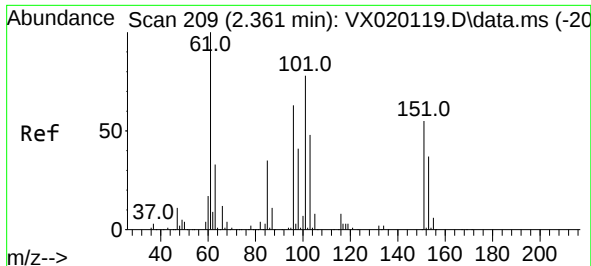
Tgt Ion:168 Resp: 257654
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#5
Bromomethane
Concen: 0.27 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 89.7 76.4 114.6

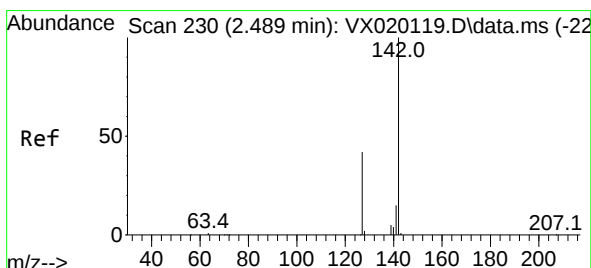
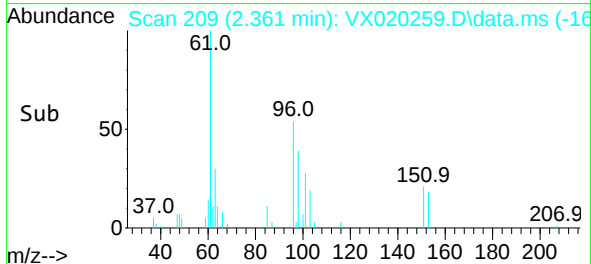
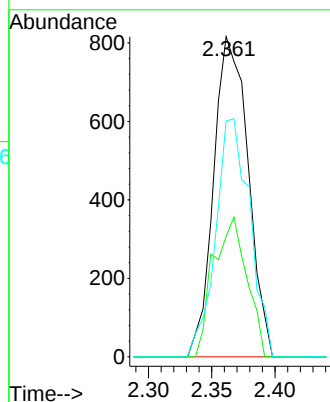
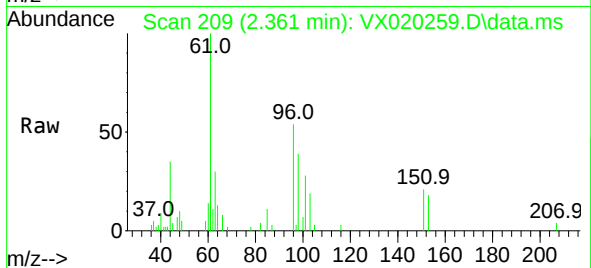




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.60 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

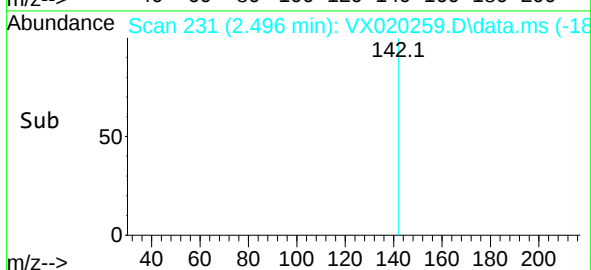
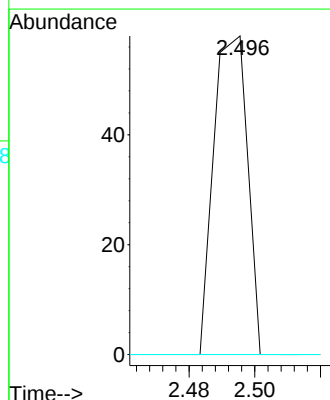
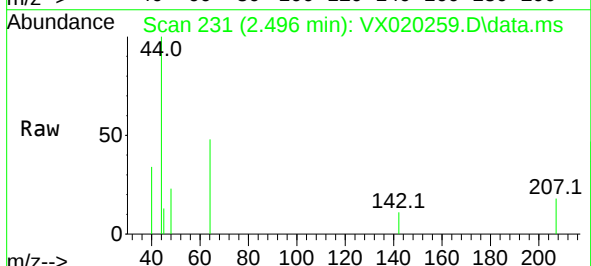
Instrument :
MSVOA_X
ClientSampleId :

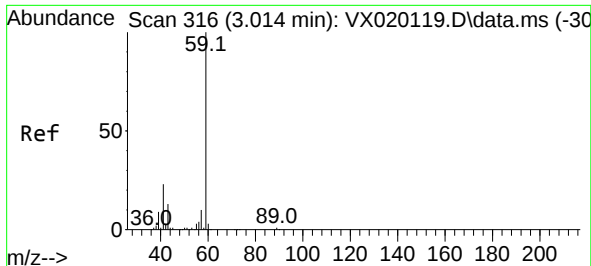
Tgt Ion:	101	Resp:	1545
Ion	Ratio	Lower	Upper
101	100		
85	42.5	34.9	52.3
151	73.8	61.4	92.2



#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 2.496 min Scan# 231
Delta R.T. 0.007 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

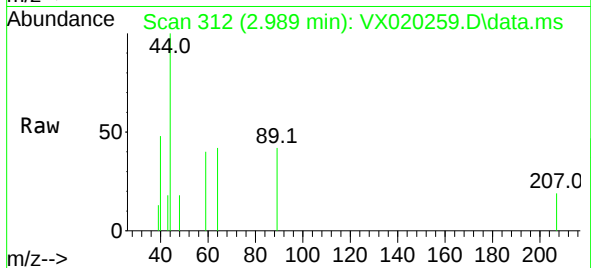
Tgt Ion:	142	Resp:	41
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#



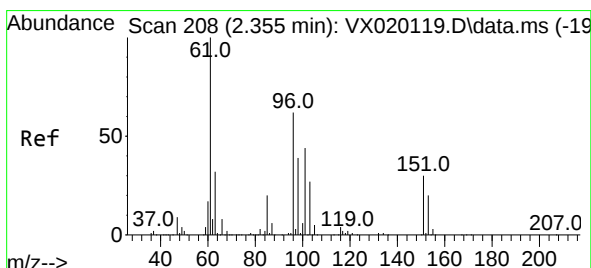
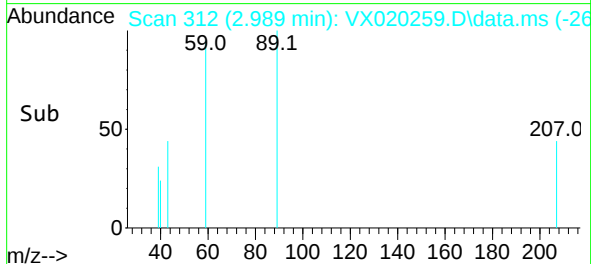
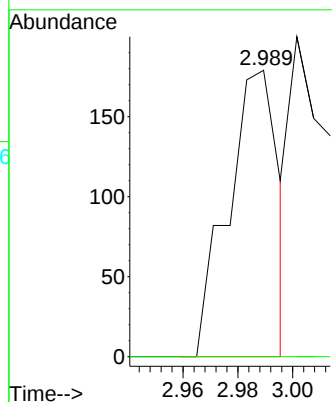


#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Instrument :
MSVOA_X
ClientSampled :

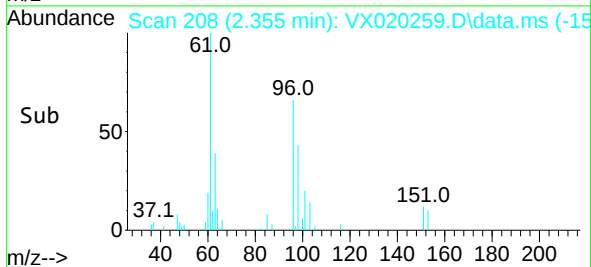
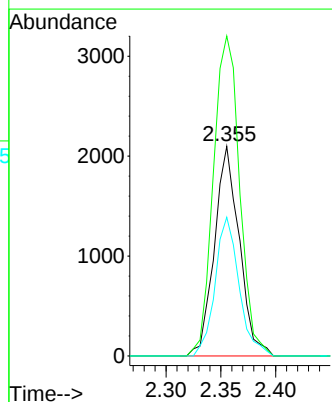
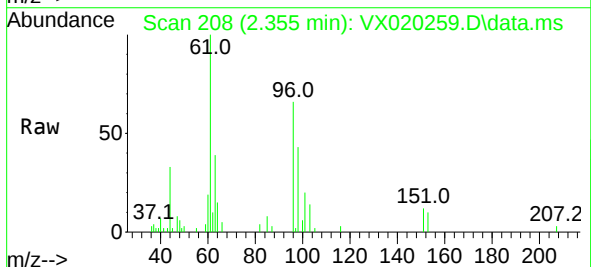


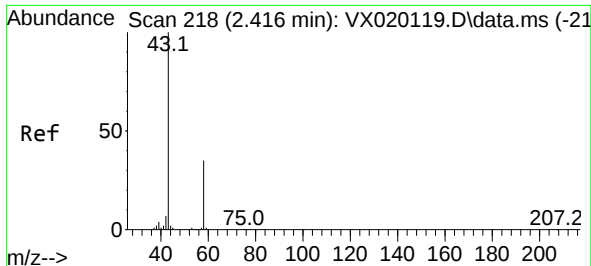
Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.26 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 96 Resp: 3315
Ion Ratio Lower Upper
96 100
61 152.7 124.6 187.0
98 66.2 50.6 76.0

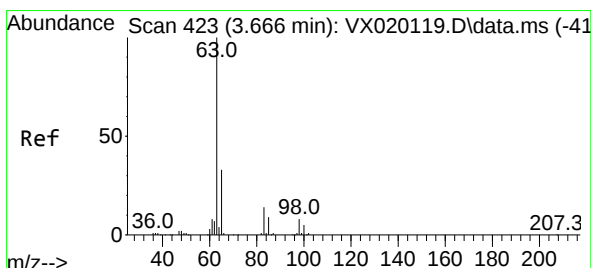
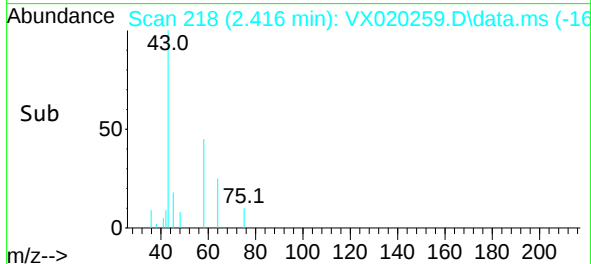
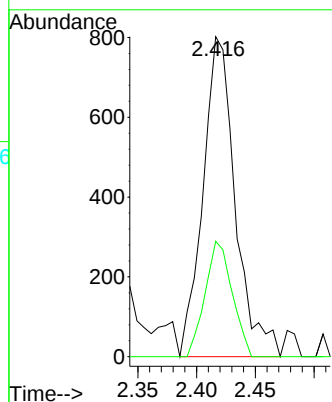
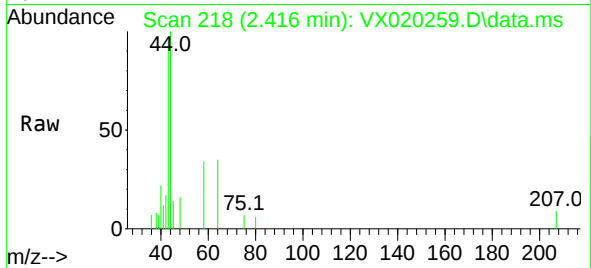




#16
Acetone
Concen: 0.97 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

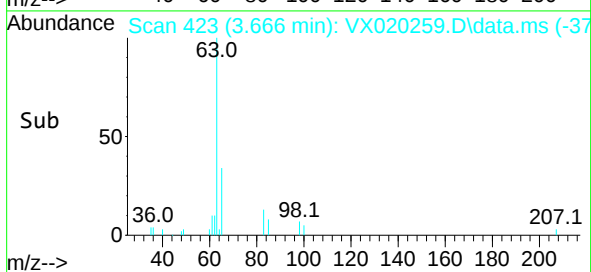
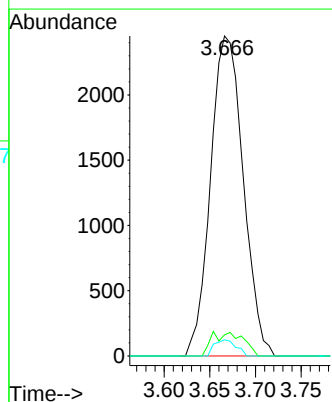
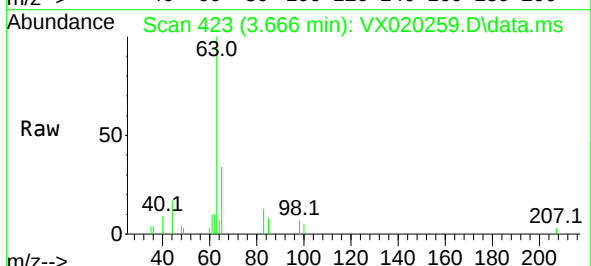
Instrument :
MSVOA_X
ClientSampled :

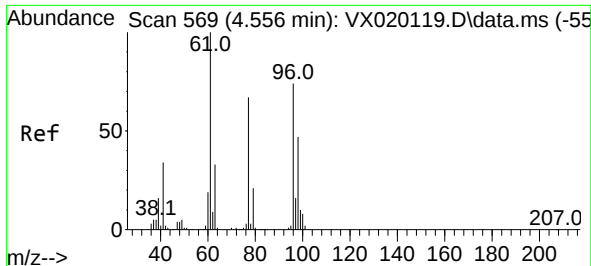
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 36.0 27.8 41.8



#24
1,1-Dichloroethane
Concen: 1.09 ug/l
RT: 3.666 min Scan# 423
Delta R.T. 0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

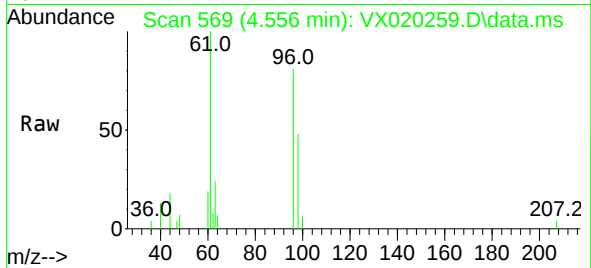
Tgt Ion: 63 Resp: 6097
Ion Ratio Lower Upper
63 100
98 6.6 3.8 11.2
100 5.1 2.5 7.5



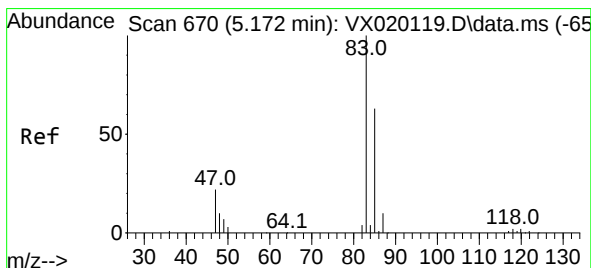
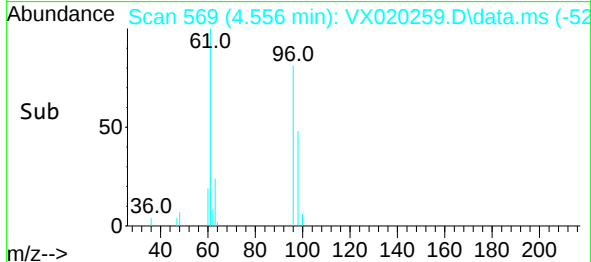
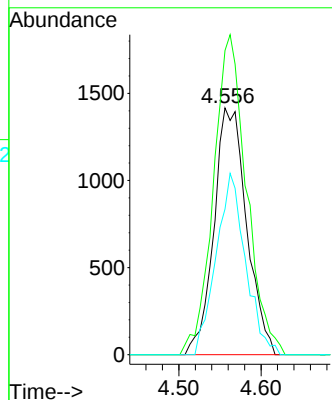


#27
cis-1,2-Dichloroethene
Concen: 1.09 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Instrument :
MSVOA_X
ClientSampleId :

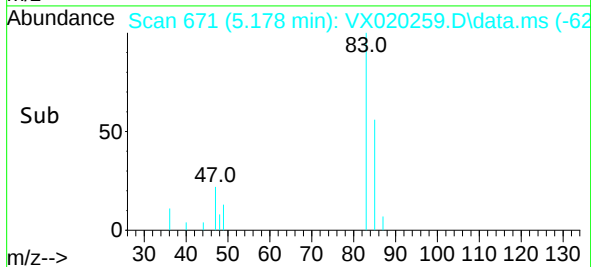
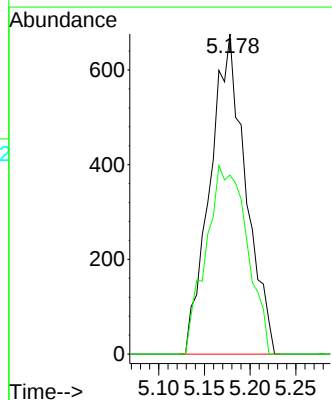
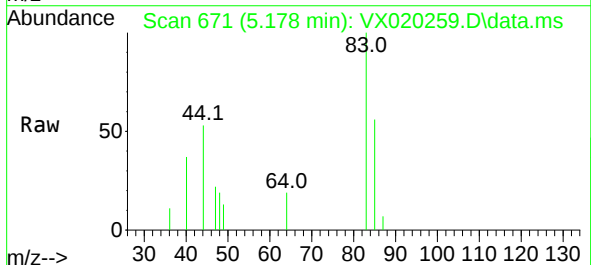


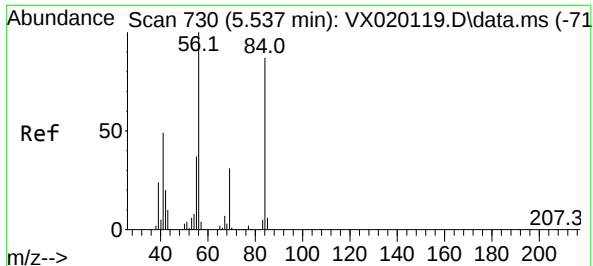
Tgt Ion: 96	Resp: 3916
Ion Ratio	Lower Upper
96 100	
61 130.8	0.0 285.6
98 66.1	0.0 129.6



#30
Chloroform
Concen: 0.32 ug/l
RT: 5.178 min Scan# 671
Delta R.T. 0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

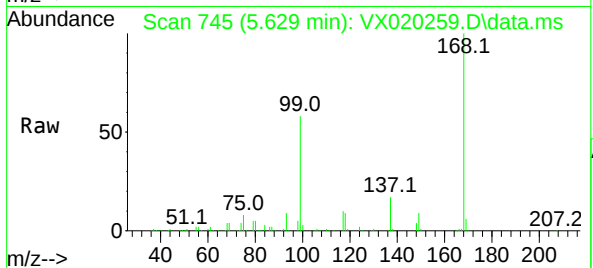
Tgt Ion: 83	Resp: 1827
Ion Ratio	Lower Upper
83 100	
85 55.9	52.0 78.0



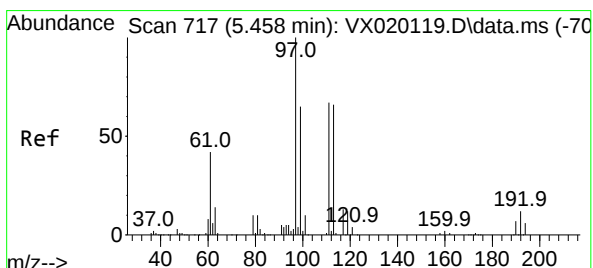
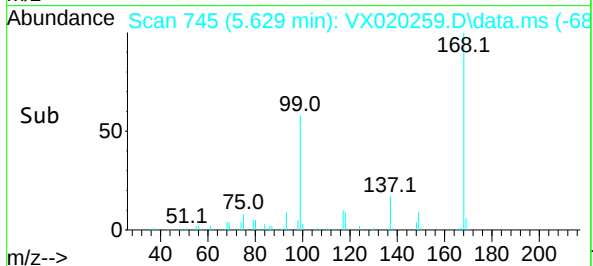
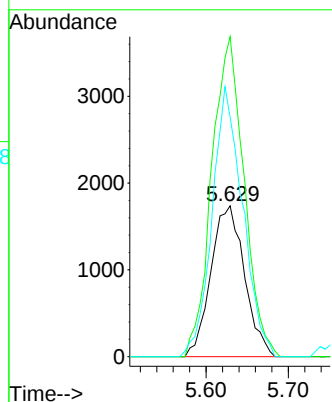


#31
Cyclohexane
Concen: 1.04 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Instrument :
MSVOA_X
ClientSampleId :

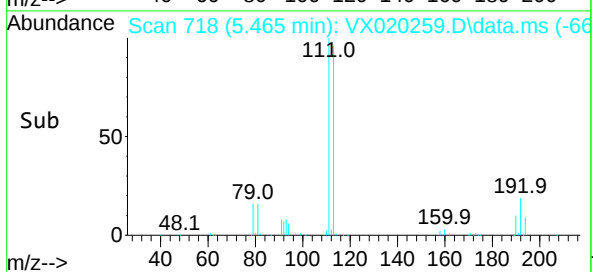
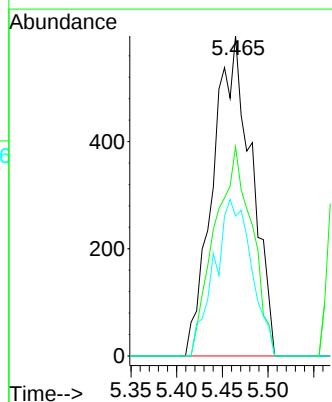
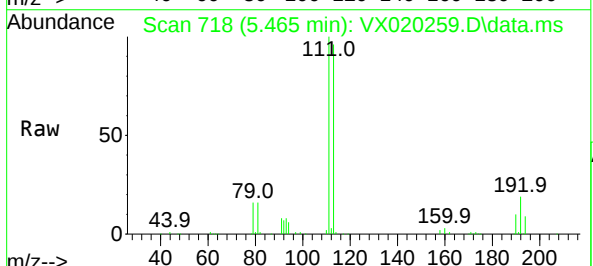


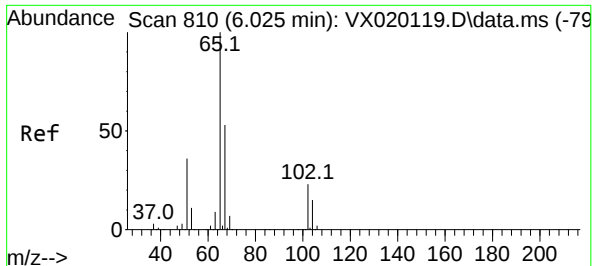
Tgt Ion: 56 Resp: 4934
Ion Ratio Lower Upper
56 100
69 212.1 25.3 37.9#
84 158.7 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.37 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 97 Resp: 1750
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 47.4 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 51.22 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020259.D

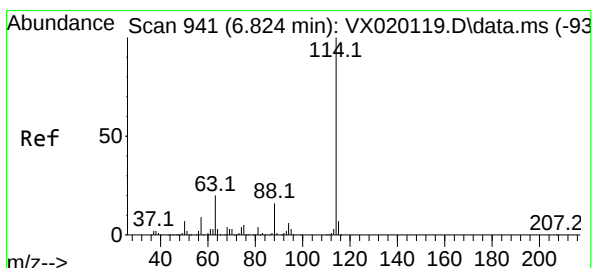
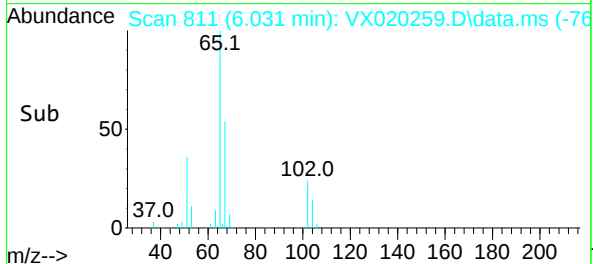
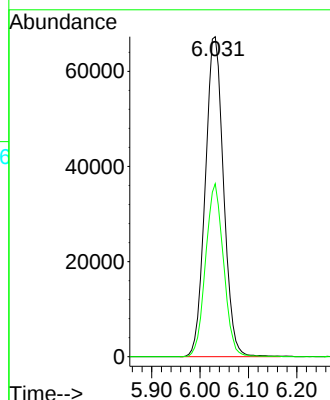
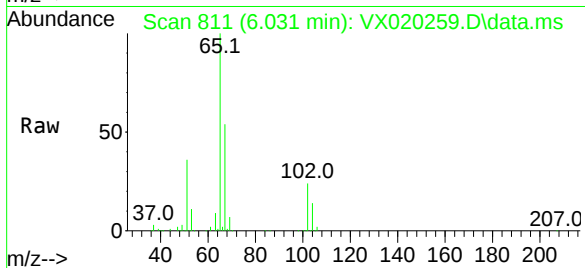
Acq: 21 Dec 2020 18:46

Tgt Ion: 65 Resp: 176884

Ion Ratio Lower Upper

65 100

67 53.0 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: VX020259.D

Acq: 21 Dec 2020 18:46

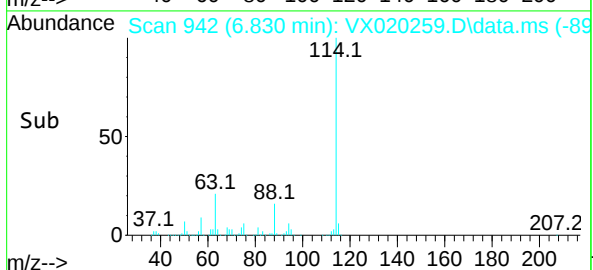
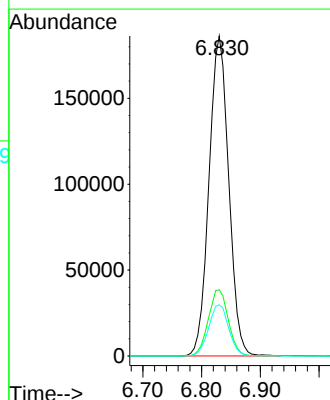
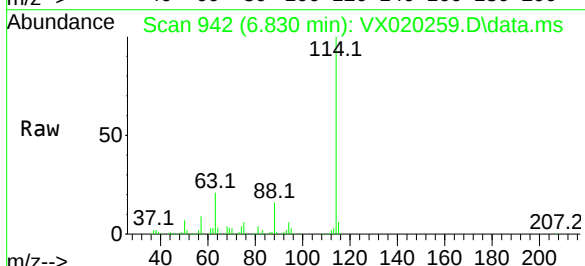
Tgt Ion: 114 Resp: 434360

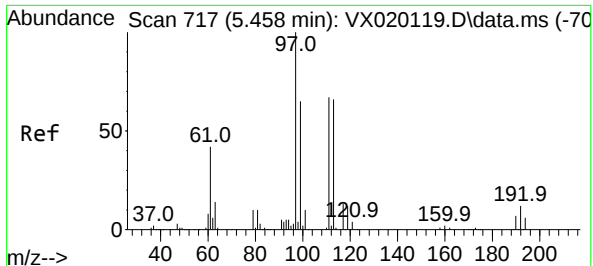
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.0 0.0 32.8

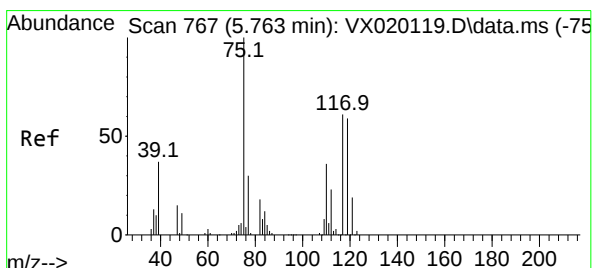
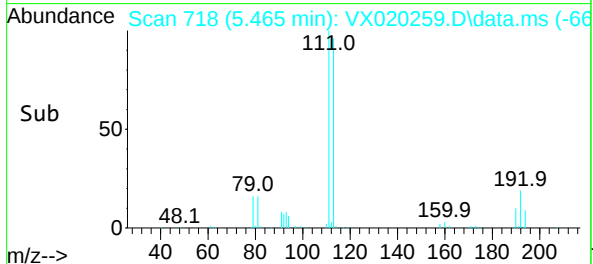
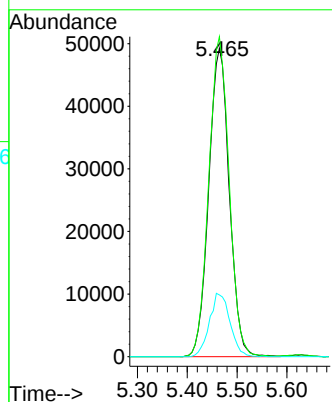
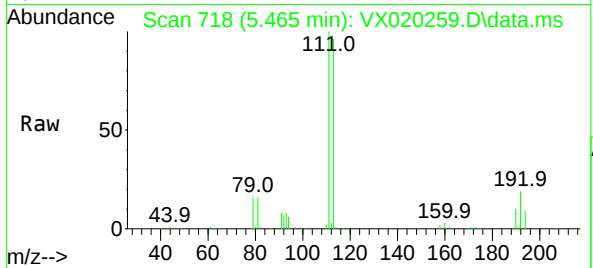




#35
Dibromofluoromethane
Concen: 50.70 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

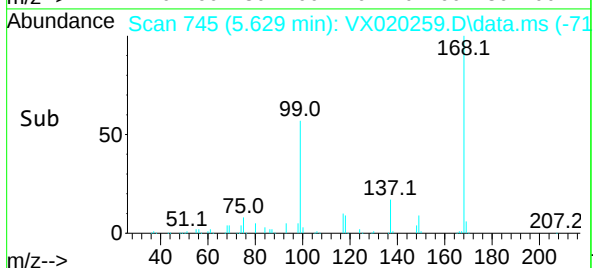
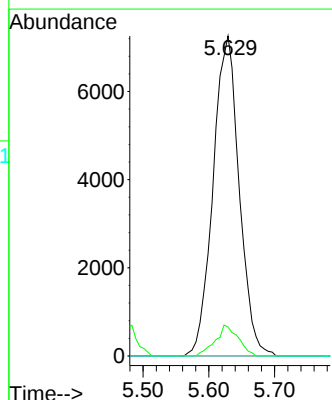
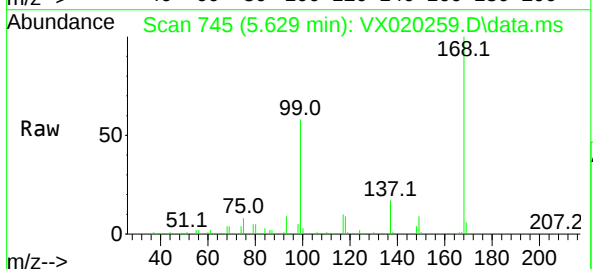
Instrument :
MSVOA_X
ClientSampleId :

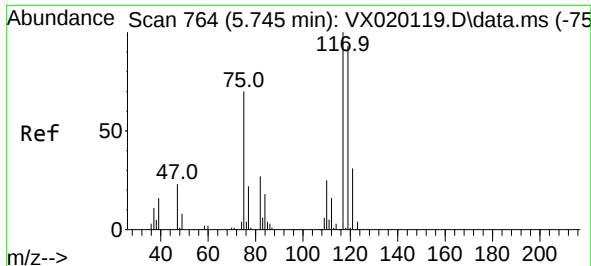
Tgt Ion:113 Resp: 140872
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 75 Resp: 20087
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#

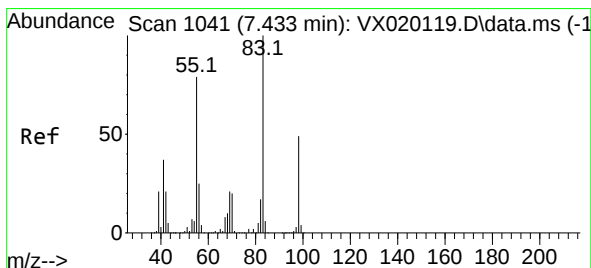
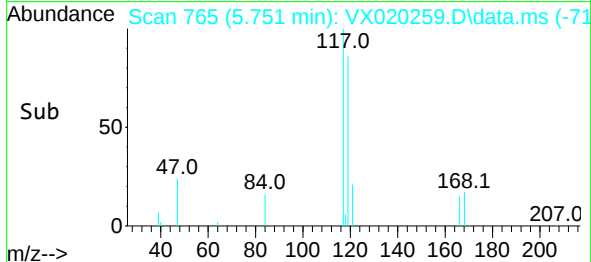
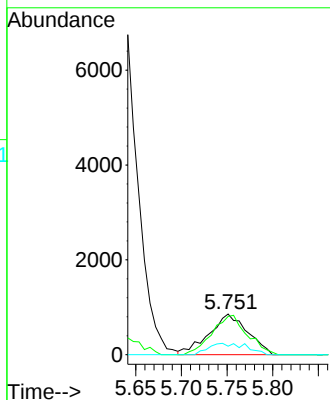
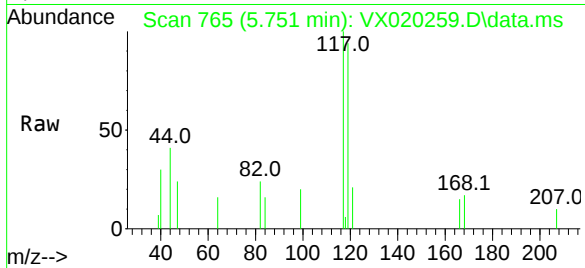




#38
Carbon Tetrachloride
Concen: 0.61 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

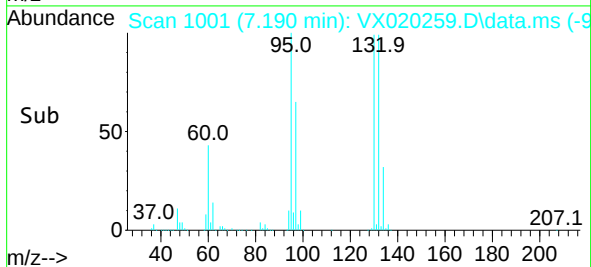
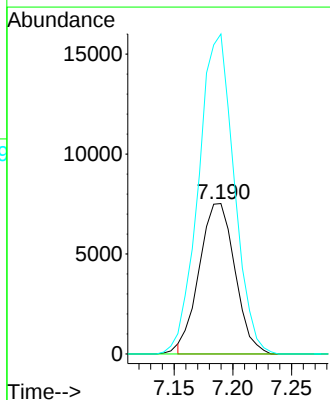
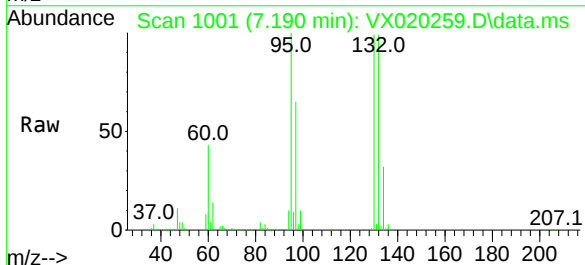
Instrument :
MSVOA_X
ClientSampleId :

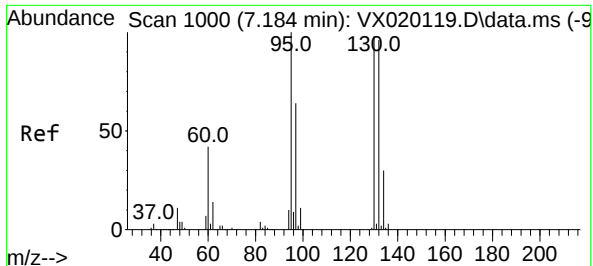
Tgt Ion:117 Resp: 2510
Ion Ratio Lower Upper
117 100
119 94.2 76.2 114.2
121 21.1 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.20 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. -0.243 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 83 Resp: 15855
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 212.8 38.1 57.1#

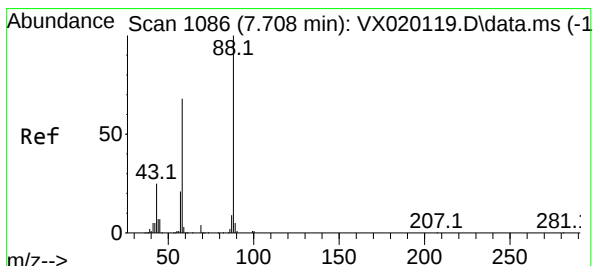
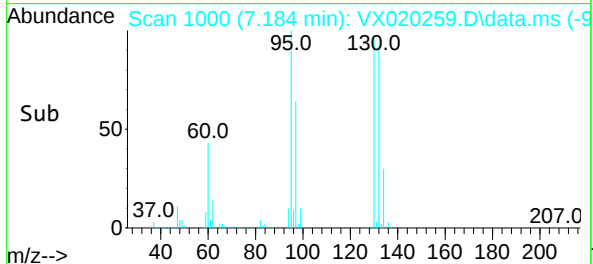
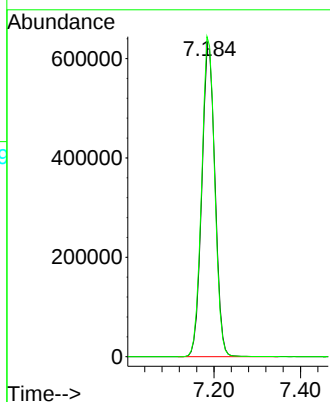
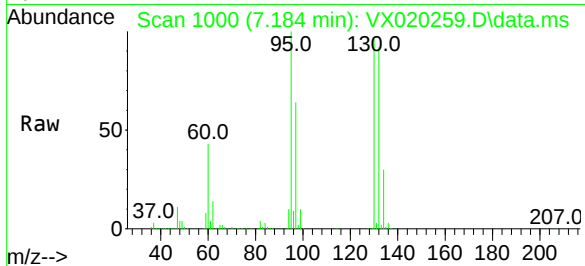




#44
Trichloroethene
Concen: 384.90 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

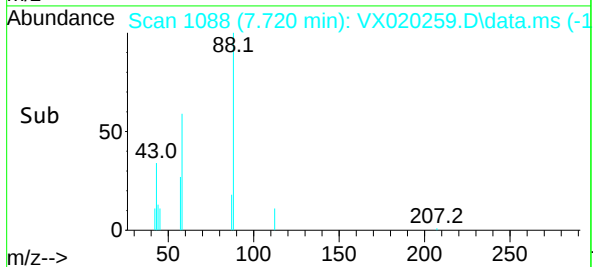
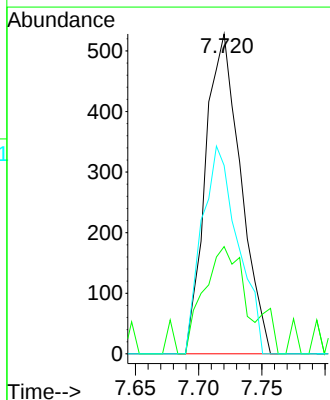
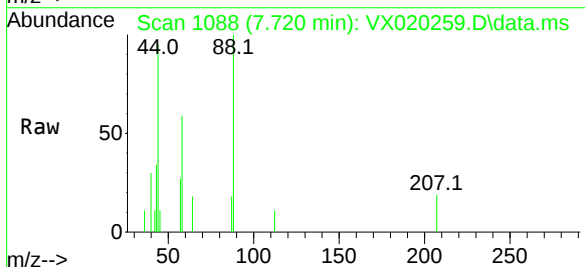
Instrument :
MSVOA_X
ClientSampled :

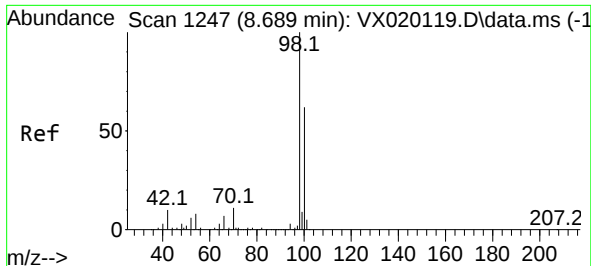
Tgt Ion:130 Resp: 1329540
Ion Ratio Lower Upper
130 100
95 104.0 0.0 198.0



#49
1,4-Dioxane
Concen: 12.64 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 88 Resp: 1021
Ion Ratio Lower Upper
88 100
43 42.4 23.2 34.8#
58 66.4 55.0 82.4





#50

Toluene-d8

Concen: 50.02 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.007 min

Lab File: VX020259.D

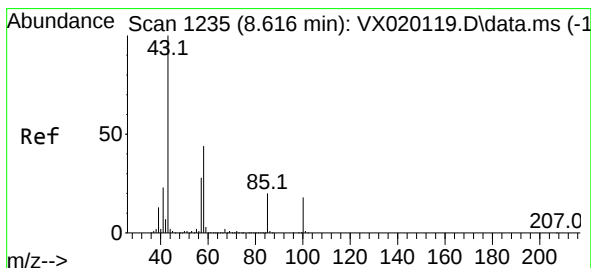
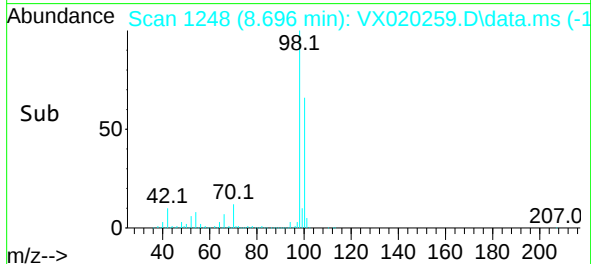
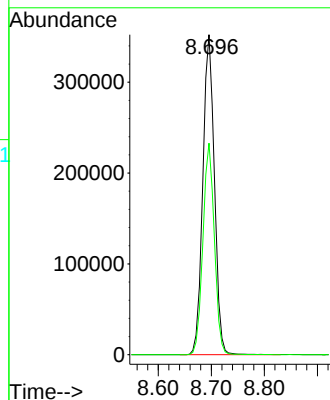
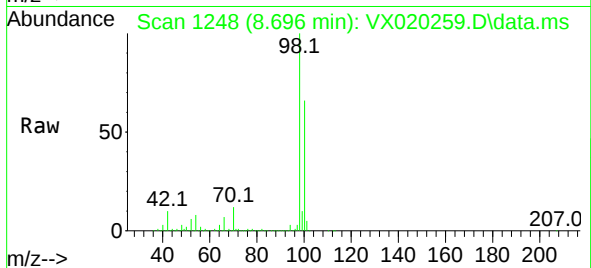
Acq: 21 Dec 2020 18:46

Tgt Ion: 98 Resp: 534990

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.080 min

Lab File: VX020259.D

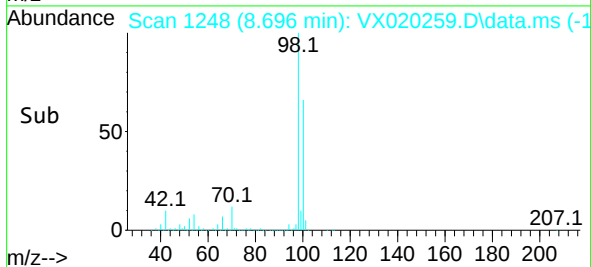
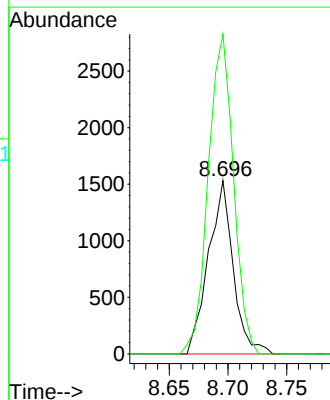
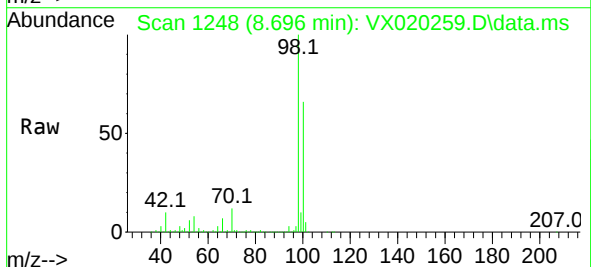
Acq: 21 Dec 2020 18:46

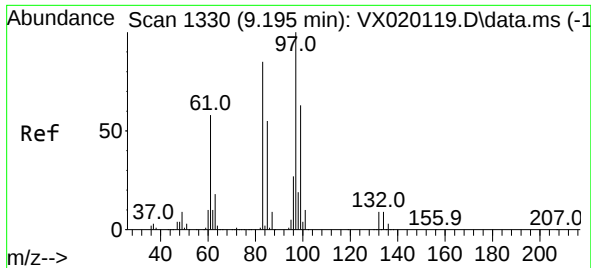
Tgt Ion: 43 Resp: 2247

Ion Ratio Lower Upper

43 100

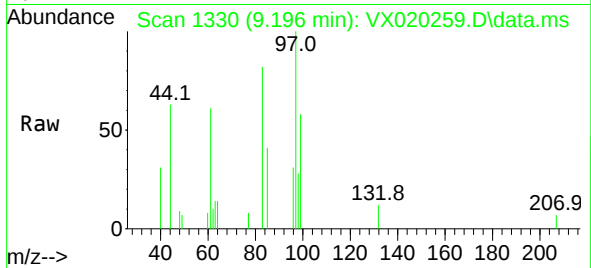
58 188.0 35.4 53.0#



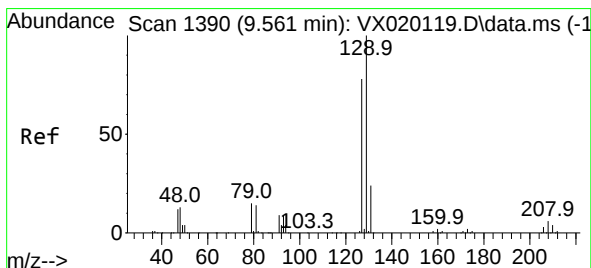
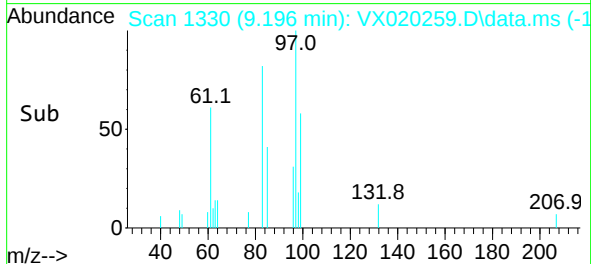
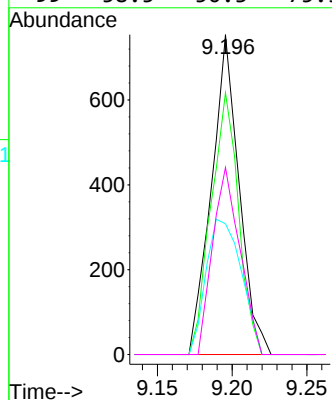


#55
1,1,2-Trichloroethane
Concen: 0.29 ug/l
RT: 9.196 min Scan# 1330
Delta R.T. 0.001 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Instrument :
MSVOA_X
ClientSampled :

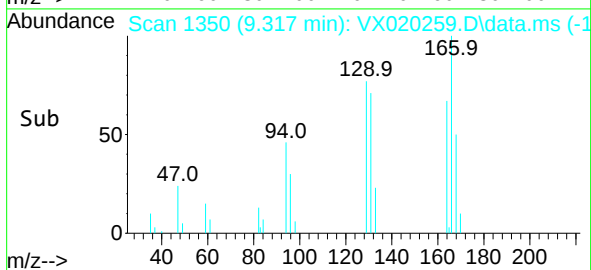
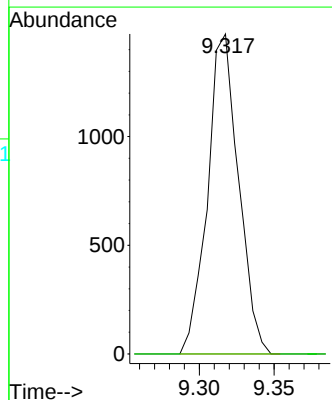
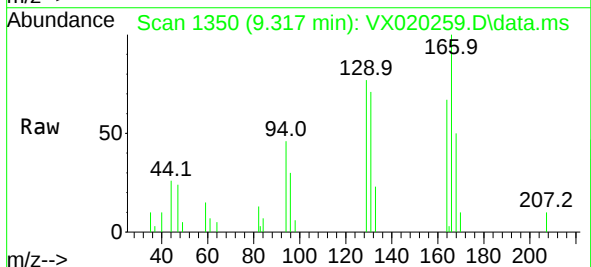


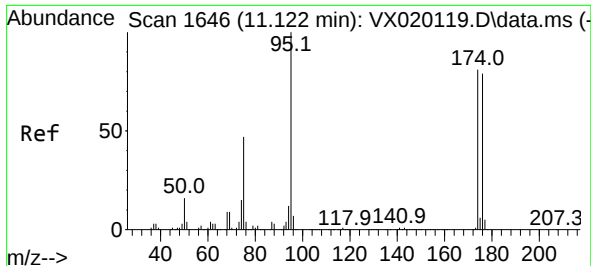
Tgt Ion: 97	Resp: 971
Ion Ratio	Lower Upper
97 100	
83 81.8	69.3 103.9
85 40.8	44.3 66.5#
99 58.5	50.3 75.5



#60
Dibromochloromethane
Concen: 0.64 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion:129	Resp: 2124		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	38.4	115.2#	

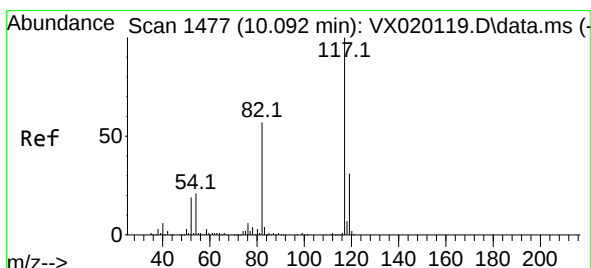
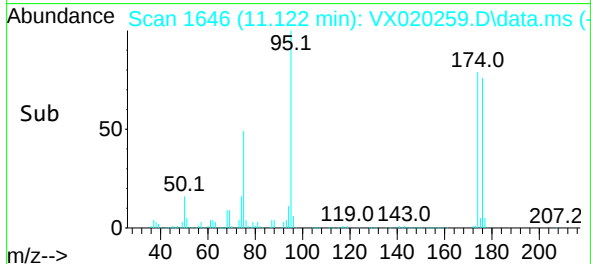
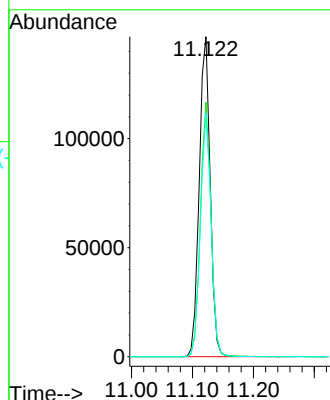
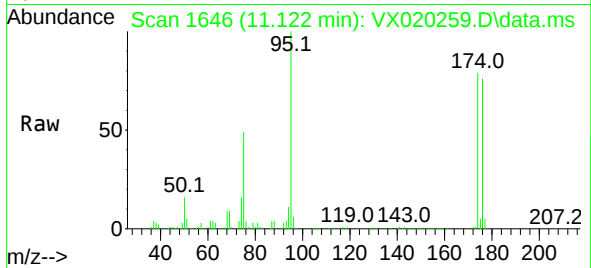




#62
4-Bromofluorobenzene
Concen: 44.79 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

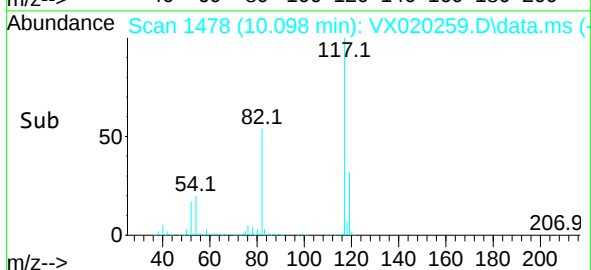
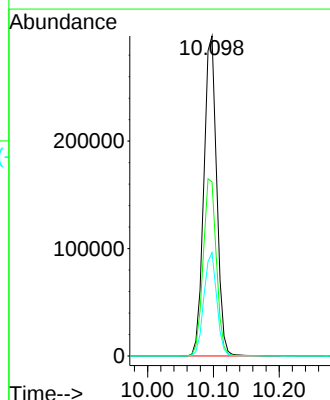
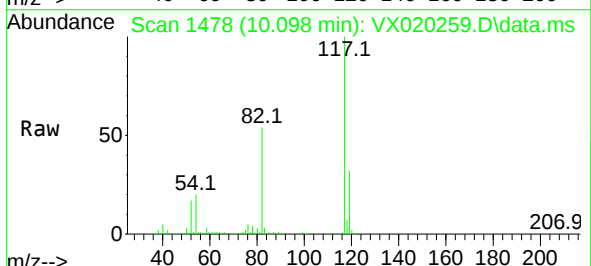
Instrument :
MSVOA_X
ClientSampleId :

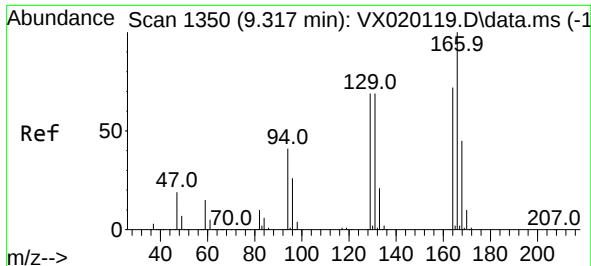
Tgt Ion: 95 Resp: 183333
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 74.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

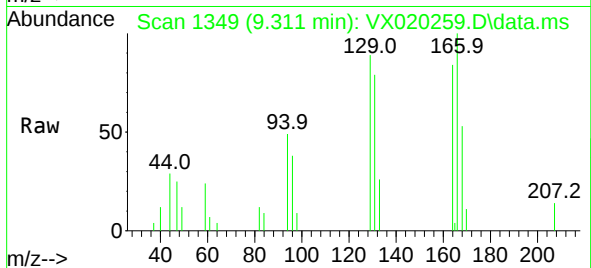
Tgt Ion: 117 Resp: 405324
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 32.3 26.6 39.8



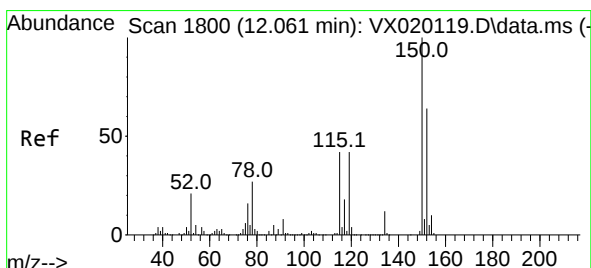
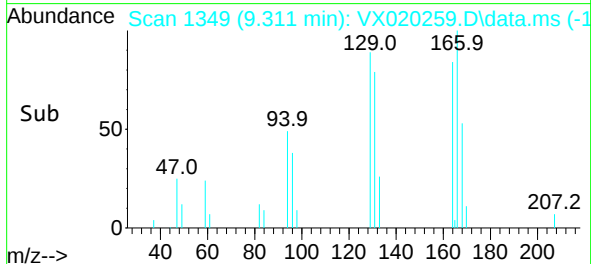
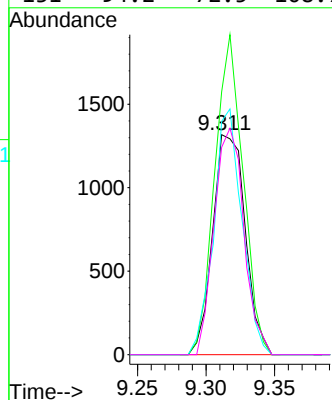


#64
Tetrachloroethene
Concen: 0.71 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Instrument :
MSVOA_X
ClientSampleId :

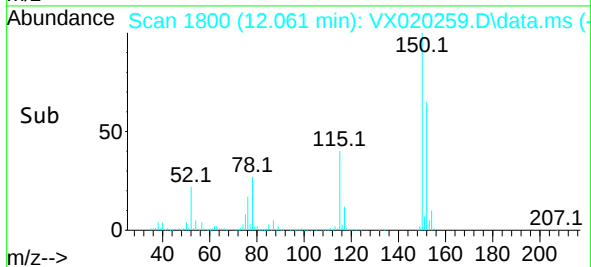
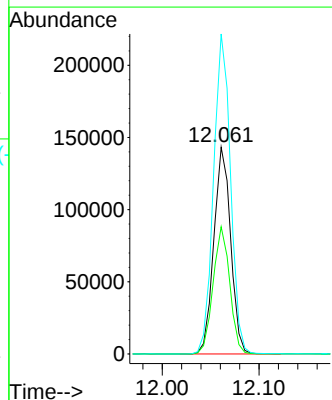
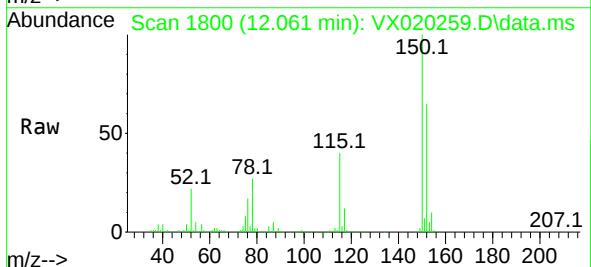


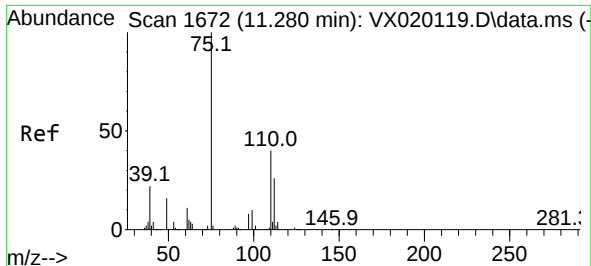
Tgt Ion:	164	Resp:	2172
Ion	Ratio	Lower	Upper
164	100		
166	119.4	103.4	155.2
129	106.0	70.8	106.2
131	94.2	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion:	152	Resp:	172773
Ion	Ratio	Lower	Upper
152	100		
115	60.9	41.1	123.3
150	156.0	0.0	349.0

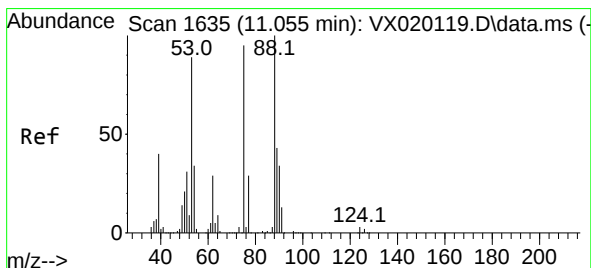
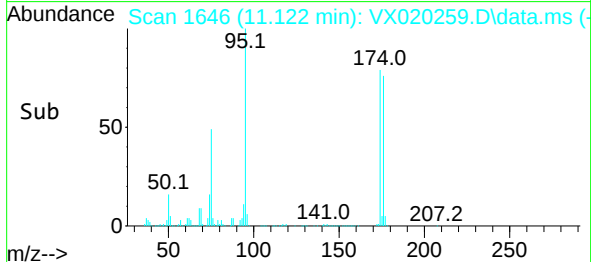
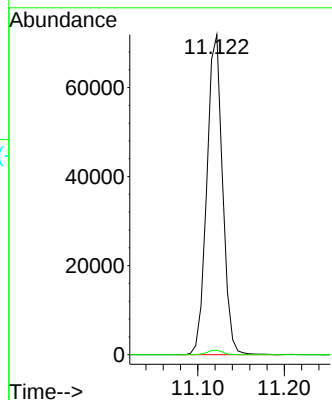
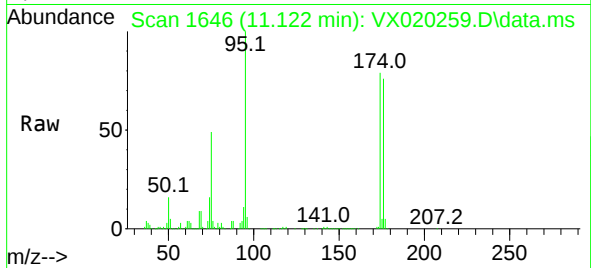




#76
1,2,3-Trichloropropane
Concen: 21.28 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 90544
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.12 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020259.D
Acq: 21 Dec 2020 18:46

Tgt Ion: 75 Resp: 90544
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

