

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020305.D
 Acq On : 22 Dec 2020 15:53
 Operator : JC/MD
 Sample : L5123-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D2-20201213

Quant Time: Dec 23 00:31:54 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)

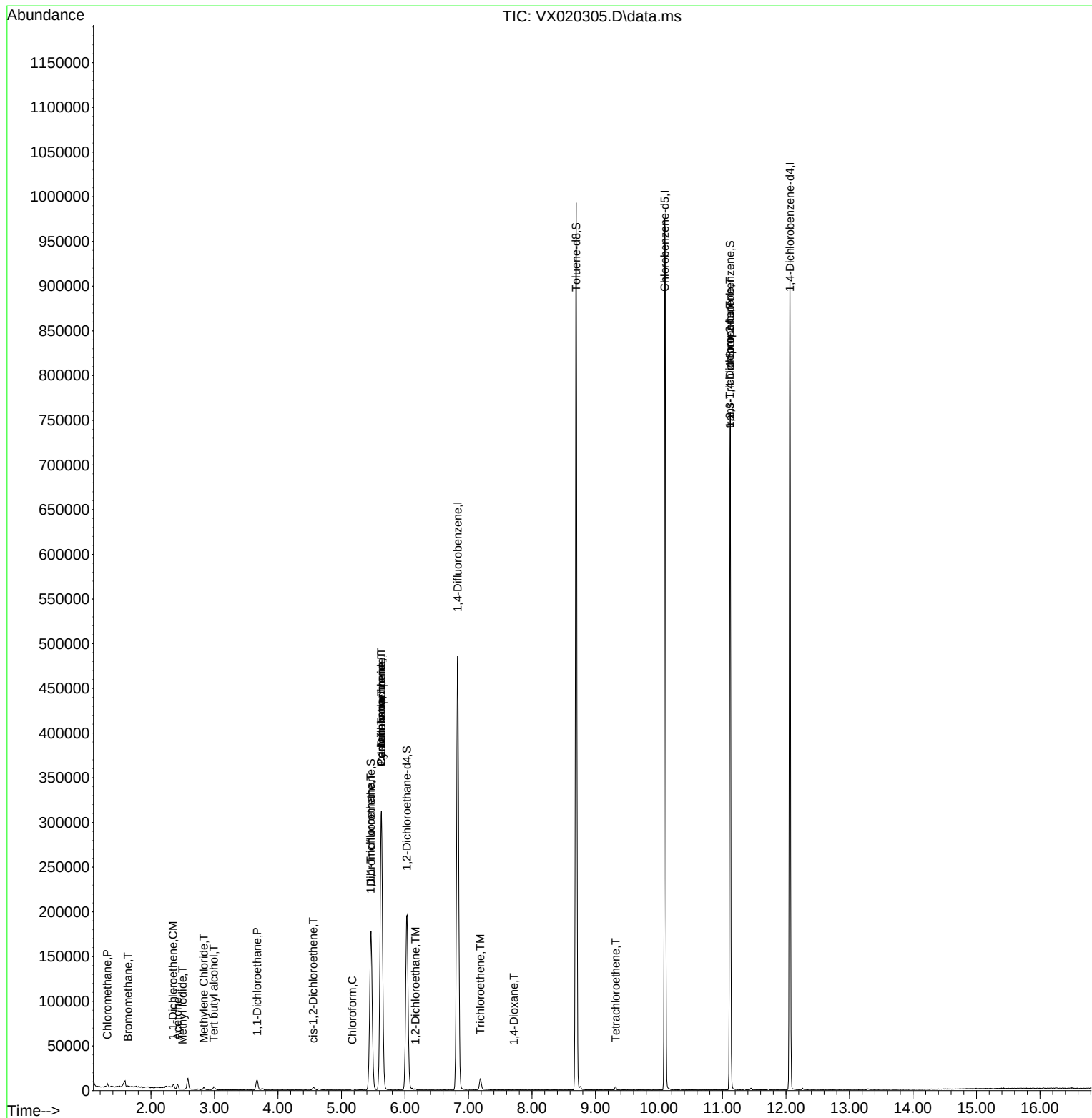
Internal Standards						
1) Pentafluorobenzene	5.629	168	299230	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	493155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	446785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	190898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	190298	47.44	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.88%		
35) Dibromofluoromethane	5.465	113	153477	48.65	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.30%		
50) Toluene-d8	8.696	98	592297	48.78	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.56%		
62) 4-Bromofluorobenzene	11.122	95	211710	45.55	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.10%		
Target Compounds						
						Qvalue
3) Chloromethane	1.313	50	1947	0.52	ug/l	100
5) Bromomethane	1.636	94	538	0.41	ug/l #	70
10) Methyl Iodide	2.496	142	203	3.33	ug/l #	42
11) Tert butyl alcohol	2.989	59	1775	1.98	ug/l #	73
12) 1,1-Dichloroethene	2.349	96	1603	0.52	ug/l	92
16) Acetone	2.416	43	5852	3.20	ug/l	99
20) Methylene Chloride	2.831	84	1113	0.27	ug/l #	88
24) 1,1-Dichloroethane	3.672	63	12857	1.97	ug/l	100
27) cis-1,2-Dichloroethene	4.556	96	1991	0.48	ug/l	92
30) Chloroform	5.172	83	1461	0.22	ug/l #	78
31) Cyclohexane	5.629	56	5743	1.04	ug/l #	1
32) 1,1,1-Trichloroethane	5.458	97	1109	0.20	ug/l #	47
36) 1,1-Dichloropropene	5.629	75	22957	4.71	ug/l #	48
38) Carbon Tetrachloride	5.629	117	29912	6.45	ug/l #	15
42) 1,2-Dichloroethane	6.166	62	1085	0.21	ug/l	80
44) Trichloroethene	7.184	130	4467	1.14	ug/l	94
49) 1,4-Dioxane	7.714	88	158	1.72	ug/l #	81
64) Tetrachloroethene	9.317	164	689	0.20	ug/l	89
76) 1,2,3-Trichloropropane	11.116	75	102981	21.90	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	102981	64.97	ug/l #	12

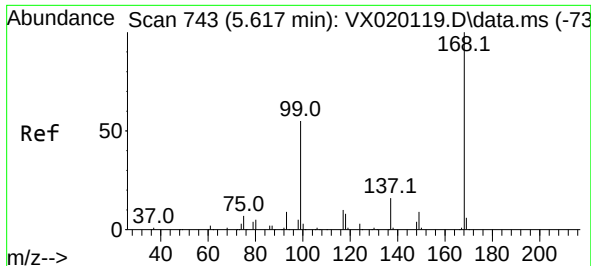
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

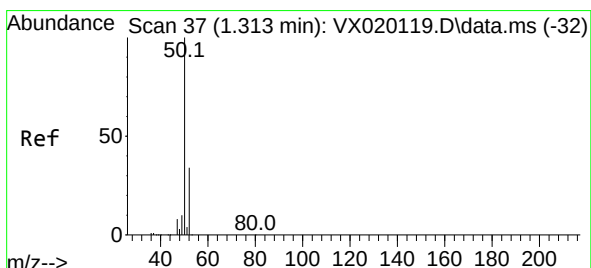
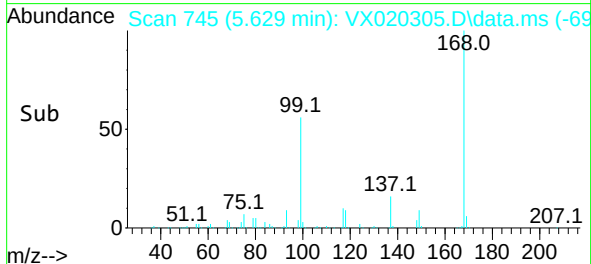
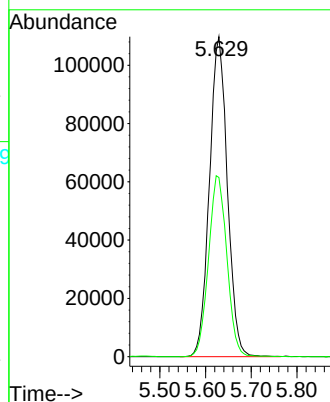
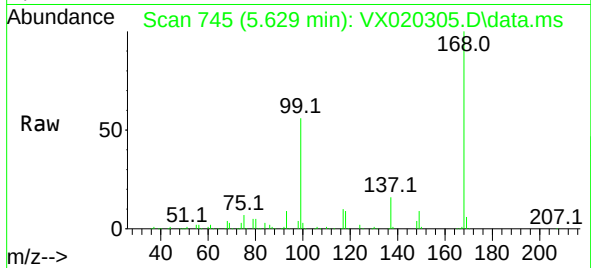




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

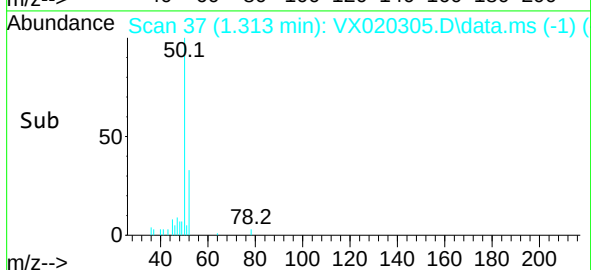
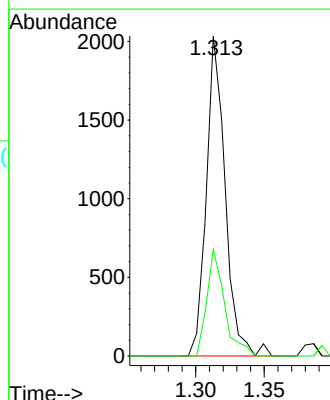
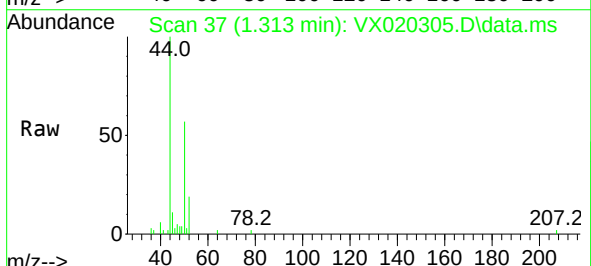
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

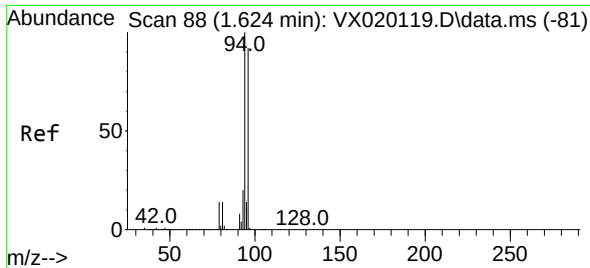
Tgt Ion:168 Resp: 299230
Ion Ratio Lower Upper
168 100
99 56.0 45.8 68.6



#3
Chloromethane
Concen: 0.52 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 50 Resp: 1947
Ion Ratio Lower Upper
50 100
52 33.3 26.4 39.6

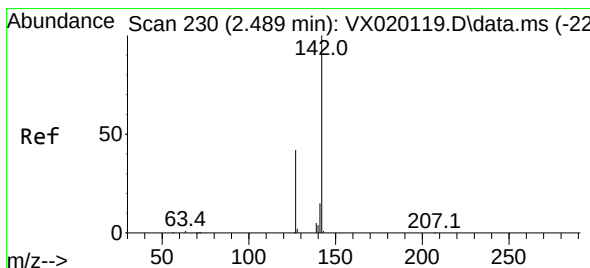
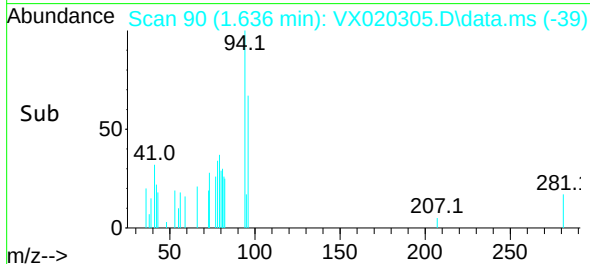
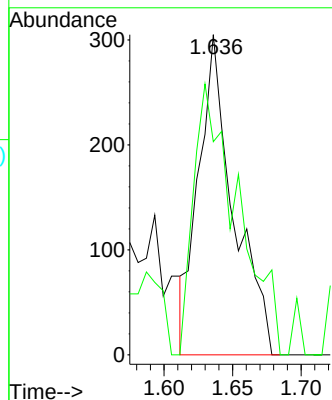
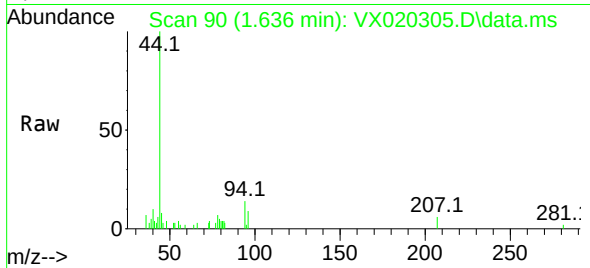




#5
Bromomethane
Concen: 0.41 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

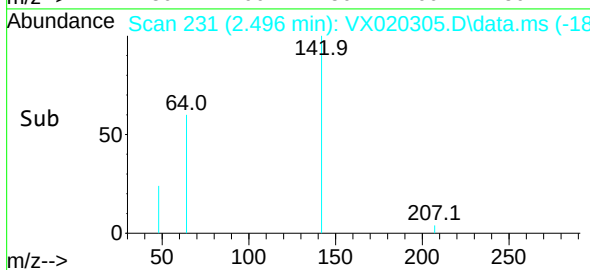
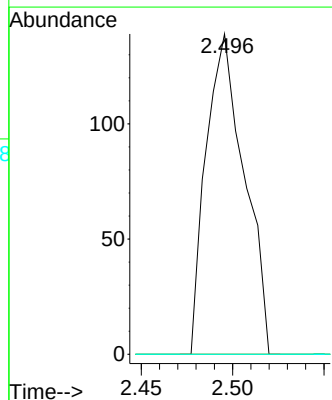
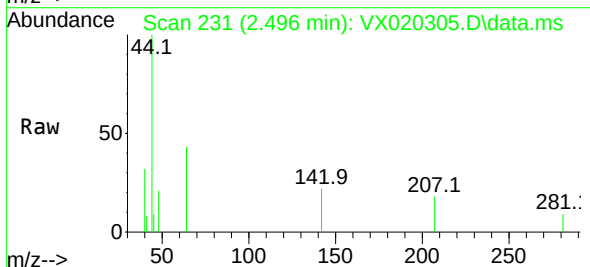
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

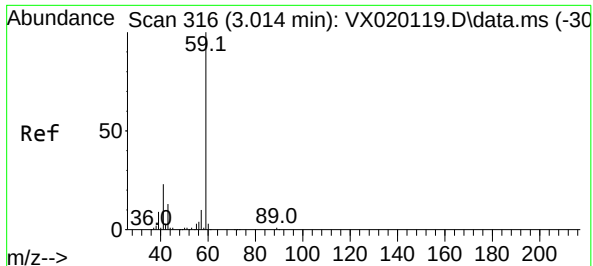
Tgt Ion: 94 Resp: 538
Ion Ratio Lower Upper
94 100
96 66.6 76.4 114.6#



#10
Methyl Iodide
Concen: 3.33 ug/l
RT: 2.496 min Scan# 231
Delta R.T. 0.007 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 142 Resp: 203
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



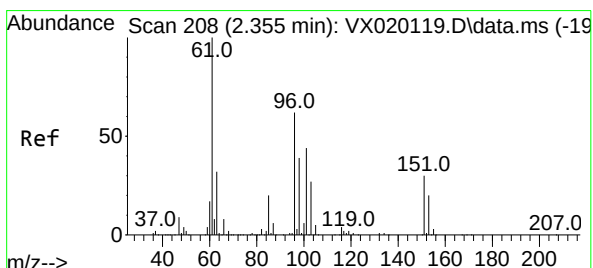
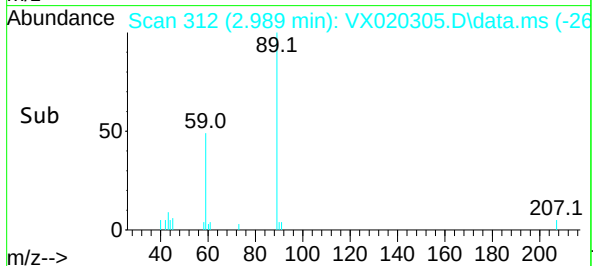
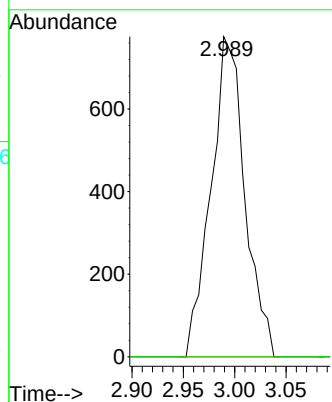
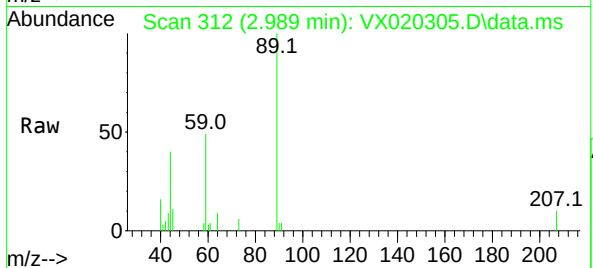


#11

Tert butyl alcohol
Concen: 1.98 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

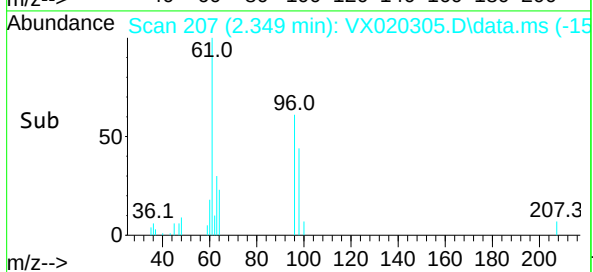
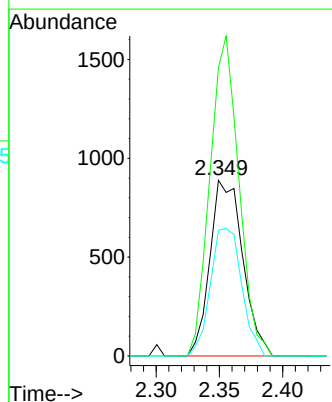
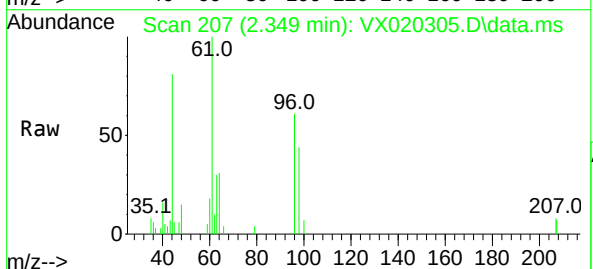
Tgt Ion: 59 Resp: 1775
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

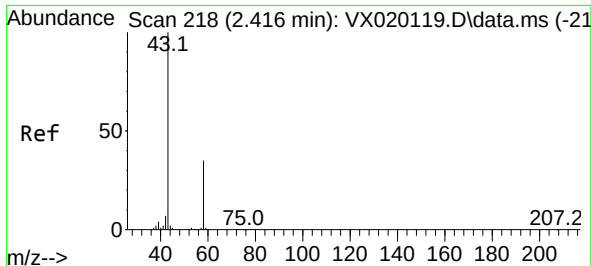


#12

1,1-Dichloroethene
Concen: 0.52 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 96 Resp: 1603
Ion Ratio Lower Upper
96 100
61 164.1 124.6 187.0
98 71.4 50.6 76.0

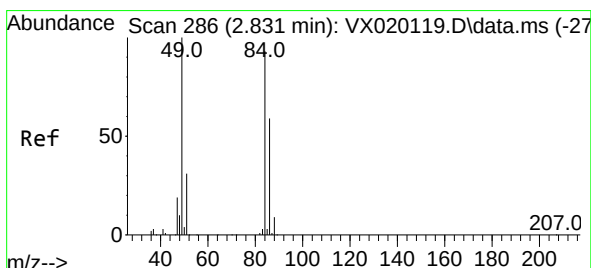
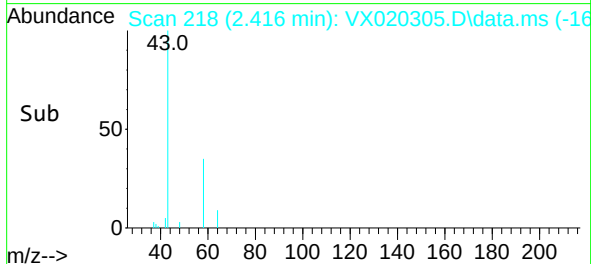
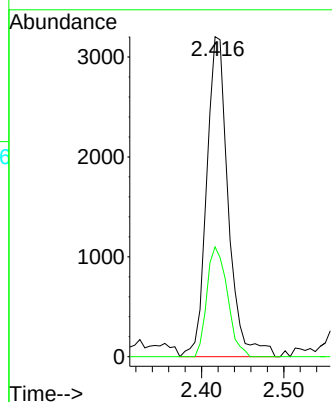
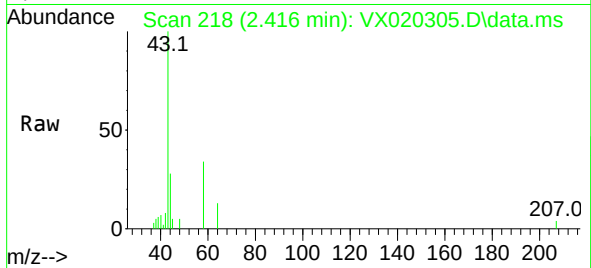




#16
Acetone
Concen: 3.20 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

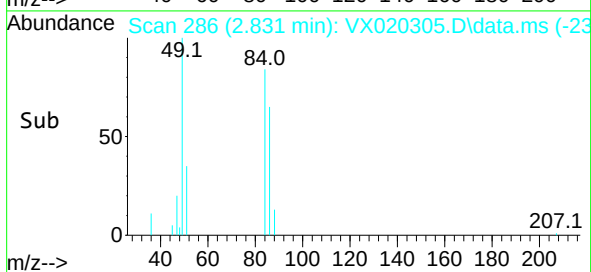
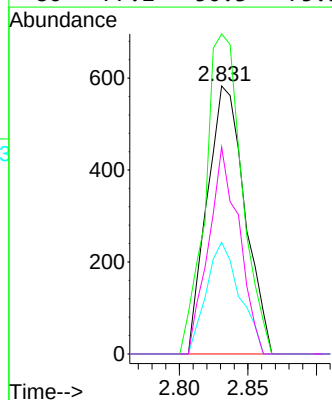
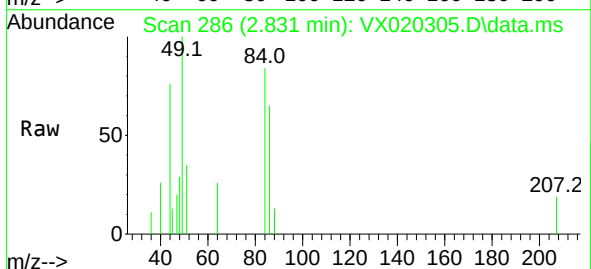
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

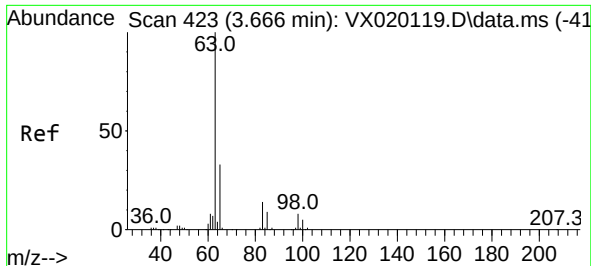
Tgt Ion: 43 Resp: 5852
Ion Ratio Lower Upper
43 100
58 34.3 27.8 41.8



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

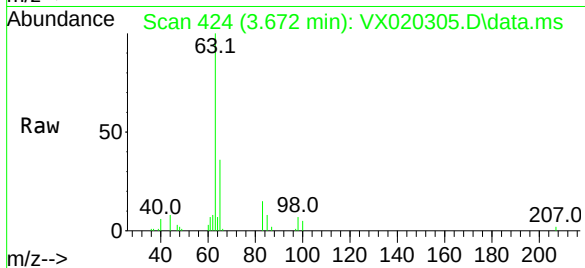
Tgt Ion: 84 Resp: 1113
Ion Ratio Lower Upper
84 100
49 119.4 88.6 132.8
51 41.7 27.0 40.6#
86 77.2 50.3 75.5#



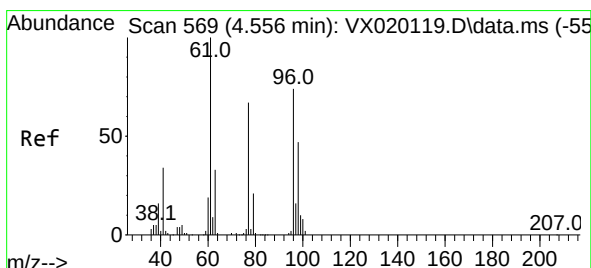
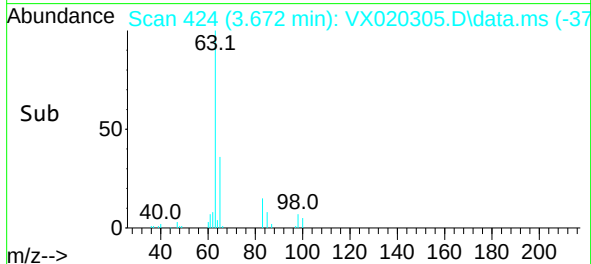
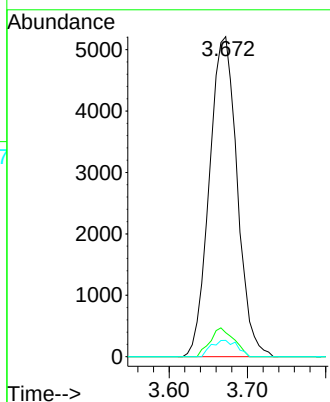


#24
1,1-Dichloroethane
Concen: 1.97 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

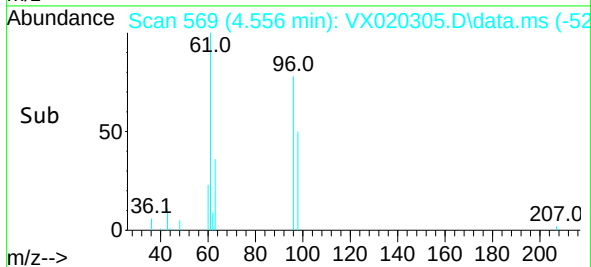
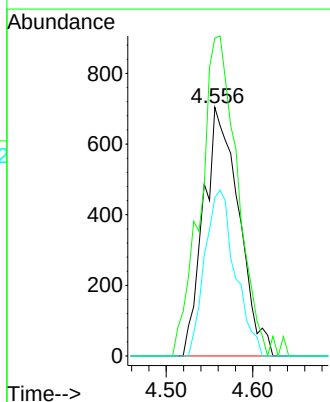
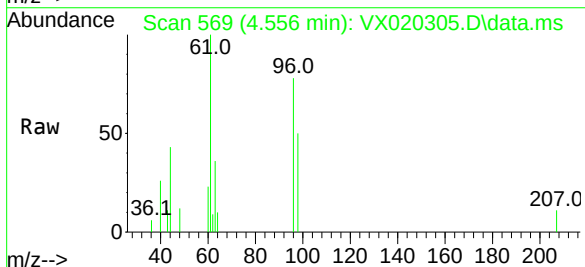


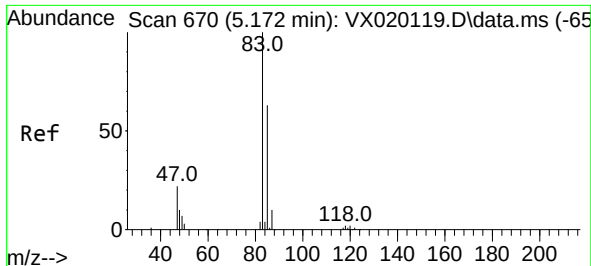
Tgt Ion: 63 Resp: 12857
Ion Ratio Lower Upper
63 100
98 7.5 3.8 11.2
100 5.1 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 0.48 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 96 Resp: 1991
Ion Ratio Lower Upper
96 100
61 134.0 0.0 285.6
98 57.5 0.0 129.6





#30

Chloroform

Concen: 0.22 ug/l

RT: 5.172 min Scan# 670

Delta R.T. -0.000 min

Lab File: VX020305.D

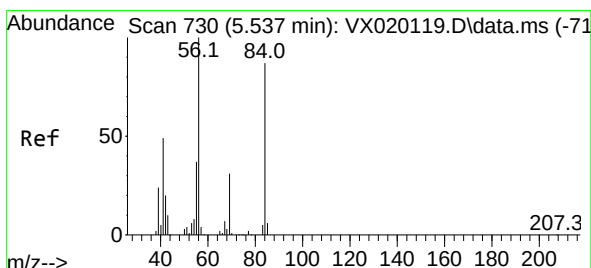
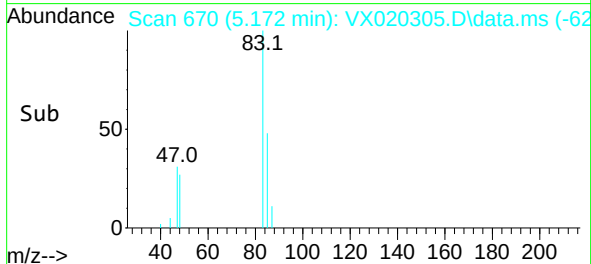
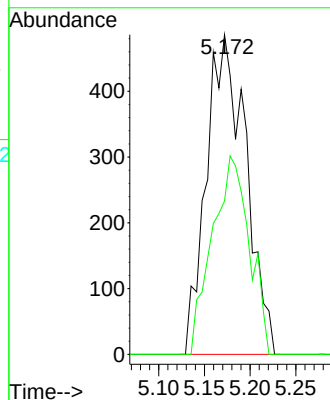
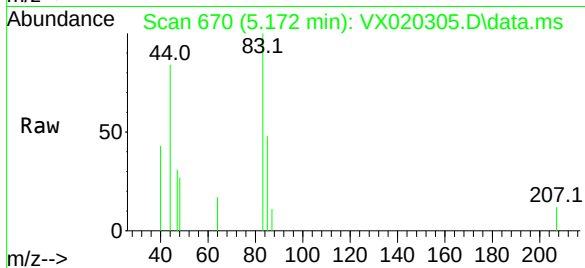
Acq: 22 Dec 2020 15:53

Tgt Ion: 83 Resp: 1461

Ion Ratio Lower Upper

83 100

85 47.9 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: VX020305.D

Acq: 22 Dec 2020 15:53

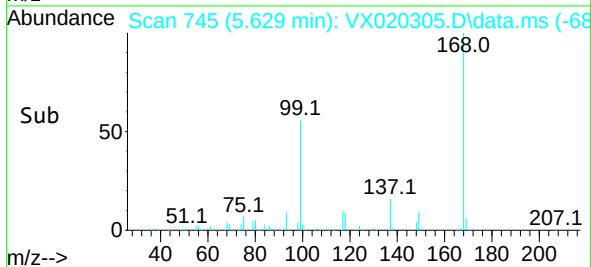
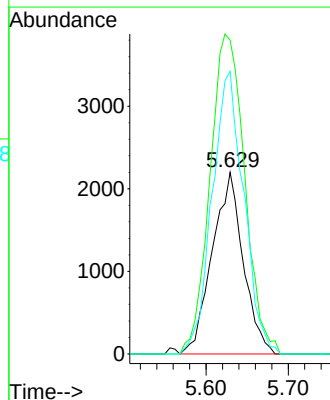
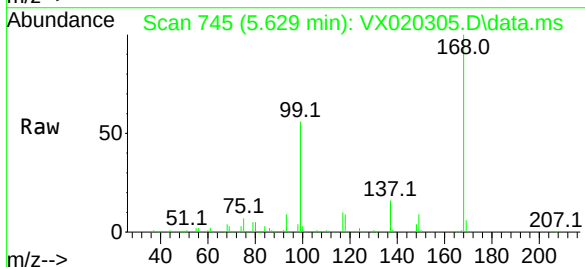
Tgt Ion: 56 Resp: 5743

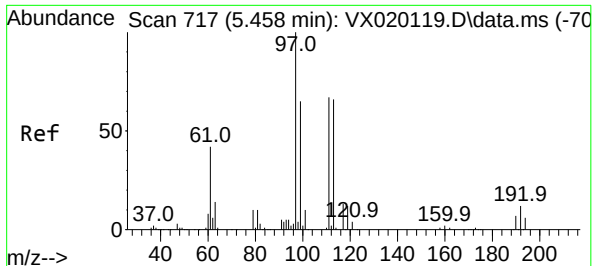
Ion Ratio Lower Upper

56 100

69 172.7 25.3 37.9#

84 155.5 71.4 107.0#





#32

1,1,1-Trichloroethane

Concen: 0.20 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX020305.D

Acq: 22 Dec 2020 15:53

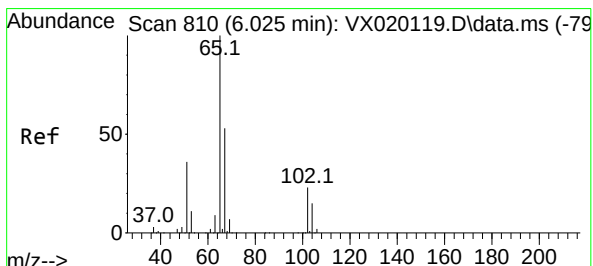
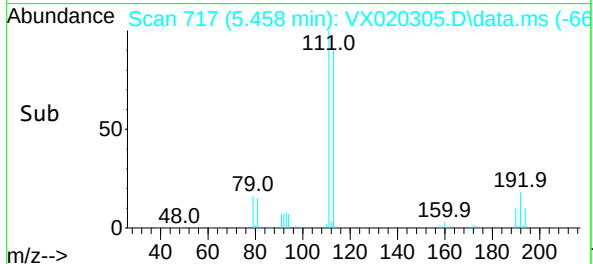
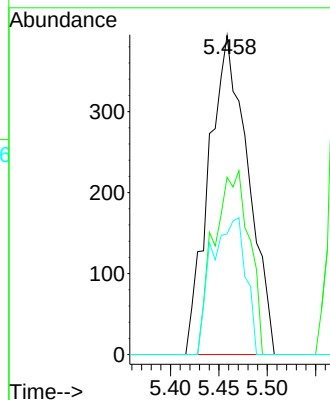
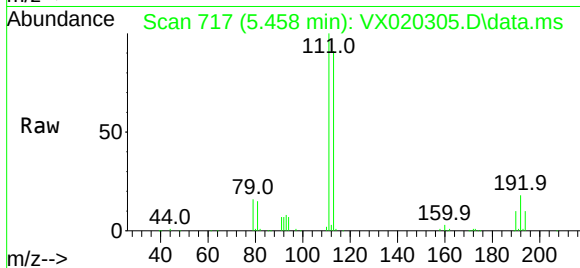
Tgt Ion: 97 Resp: 1109

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

61 37.2 34.2 51.4



#33

1,2-Dichloroethane-d4

Concen: 47.44 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020305.D

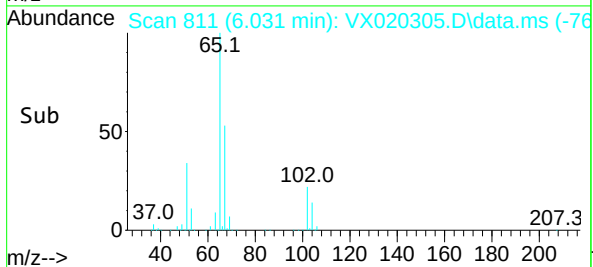
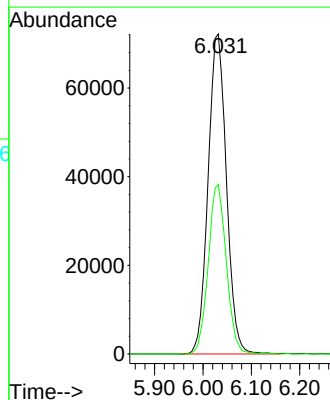
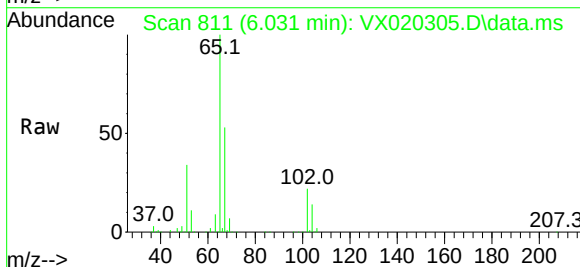
Acq: 22 Dec 2020 15:53

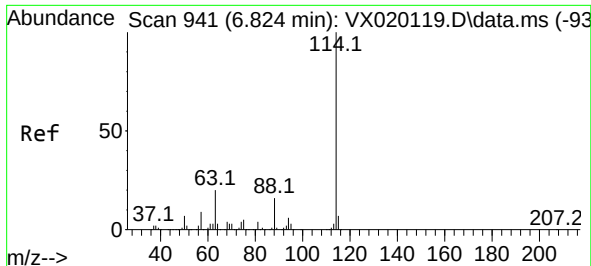
Tgt Ion: 65 Resp: 190298

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.4

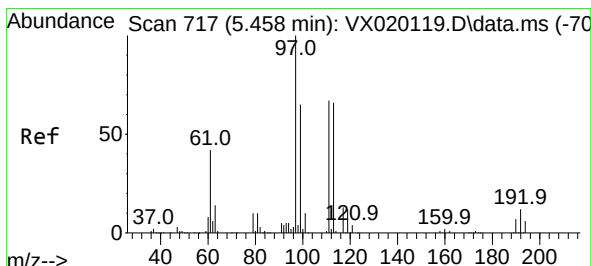
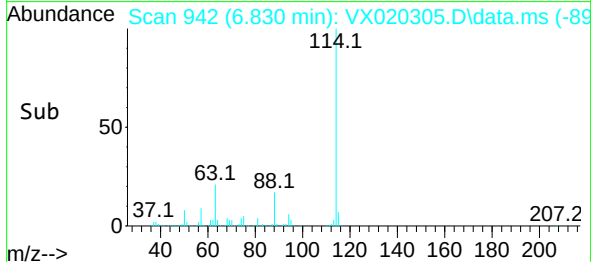
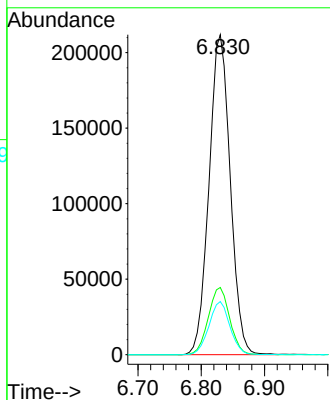
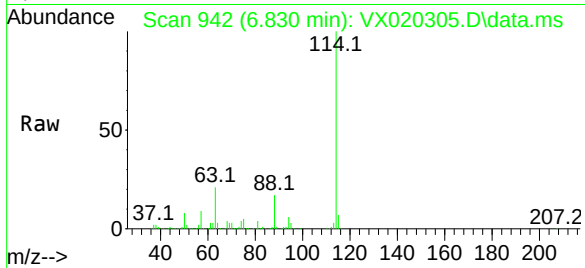




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

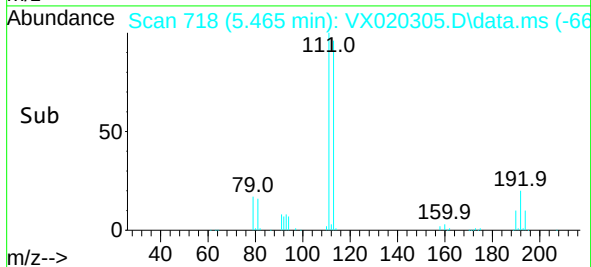
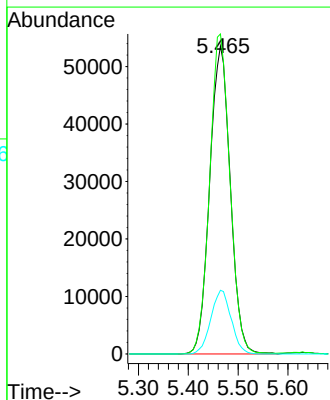
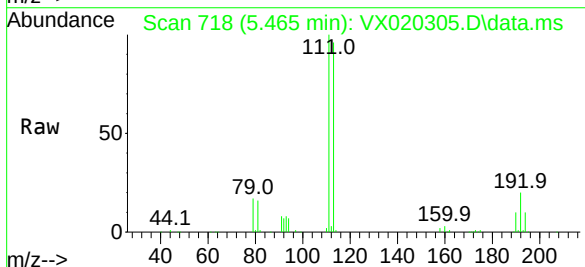
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

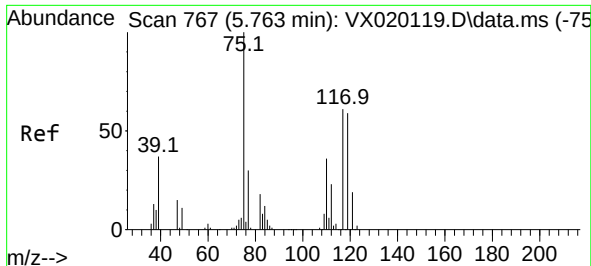
Tgt Ion:114 Resp: 493155
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.65 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

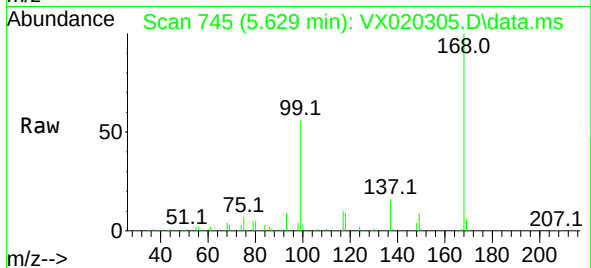
Tgt Ion:113 Resp: 153477
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.4 16.7 25.1



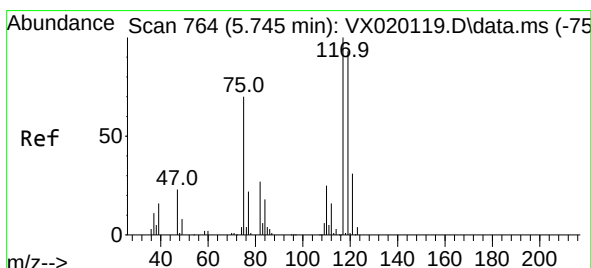
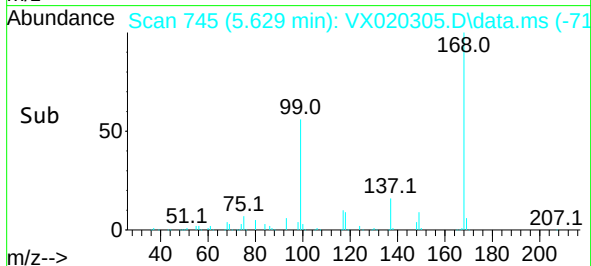
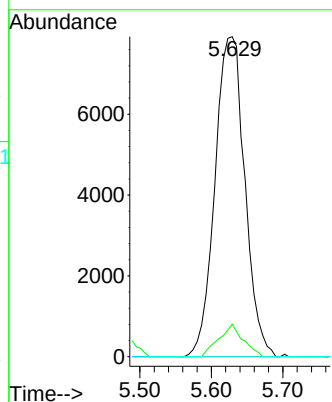


#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

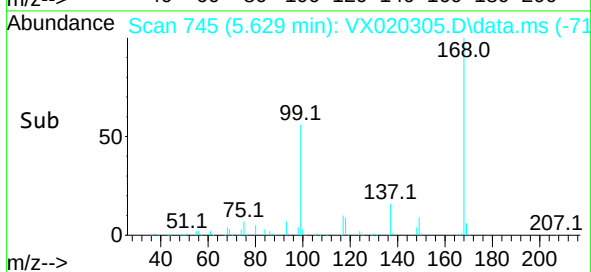
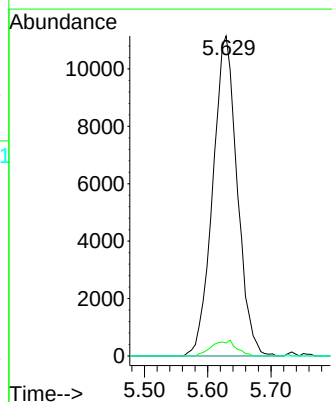
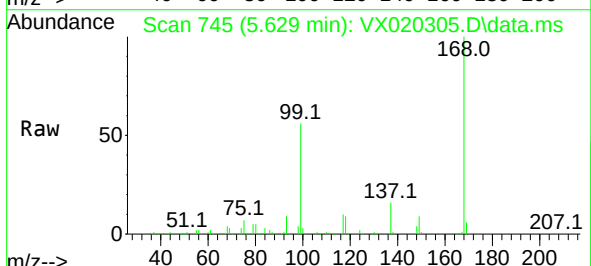


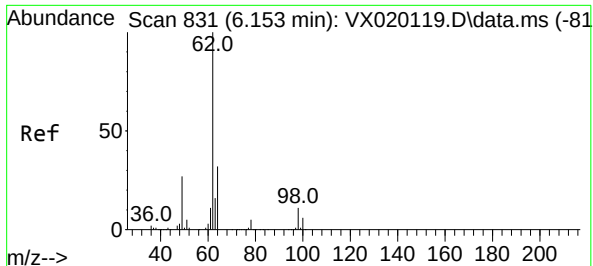
Tgt Ion: 75 Resp: 22957
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.45 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 117 Resp: 29912
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#





#42

1,2-Dichloroethane

Concen: 0.21 ug/l

RT: 6.166 min Scan# 833

Delta R.T. 0.013 min

Lab File: VX020305.D

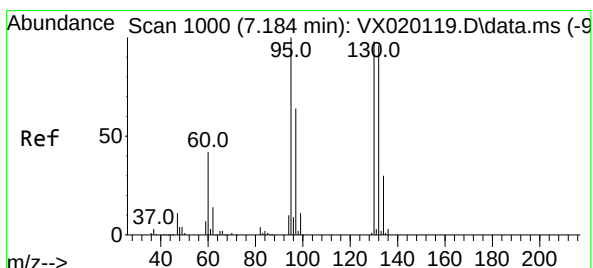
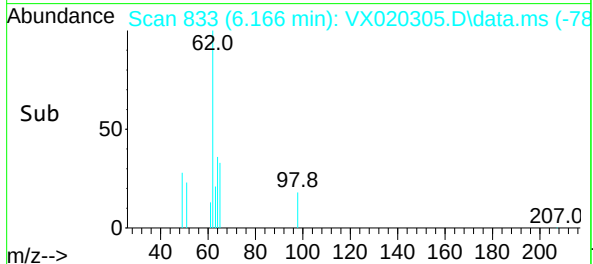
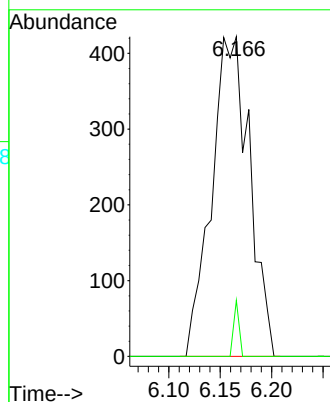
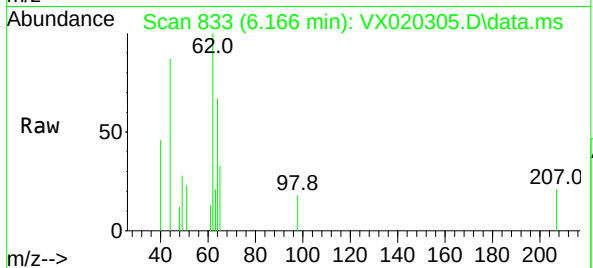
Acq: 22 Dec 2020 15:53

Tgt Ion: 62 Resp: 1085

Ion Ratio Lower Upper

62 100

98 2.5 0.0 20.2



#44

Trichloroethene

Concen: 1.14 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VX020305.D

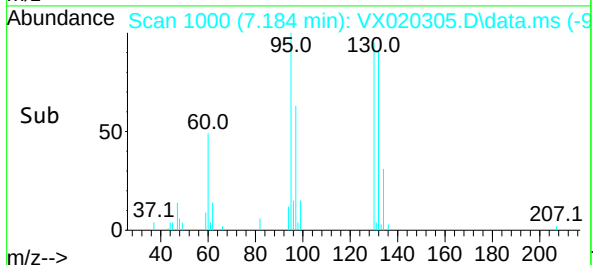
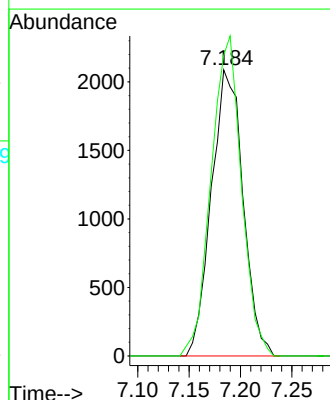
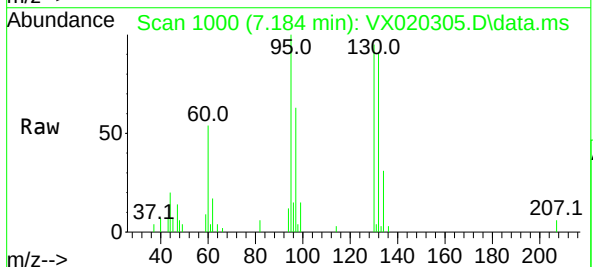
Acq: 22 Dec 2020 15:53

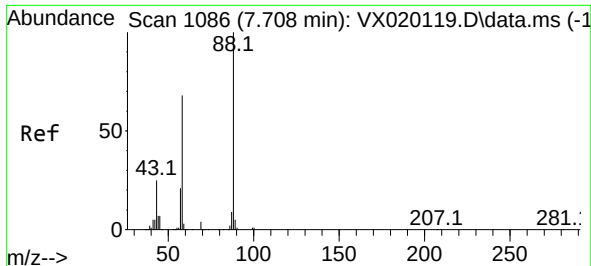
Tgt Ion: 130 Resp: 4467

Ion Ratio Lower Upper

130 100

95 105.1 0.0 198.0

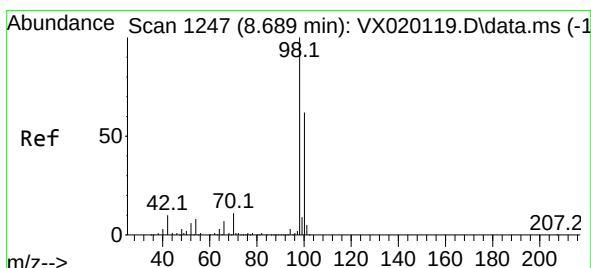
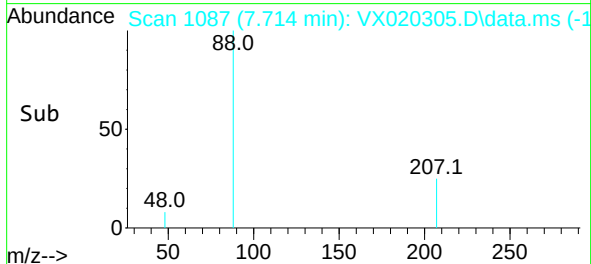
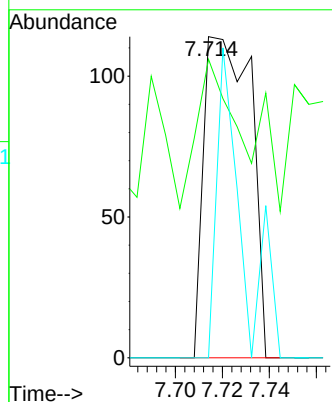
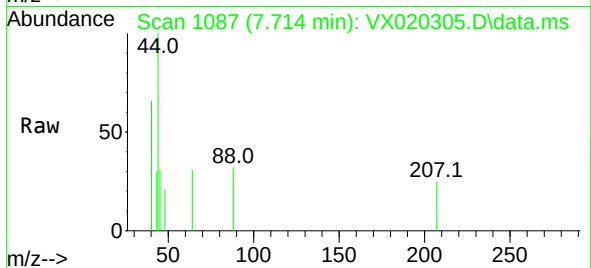




#49
1,4-Dioxane
Concen: 1.72 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

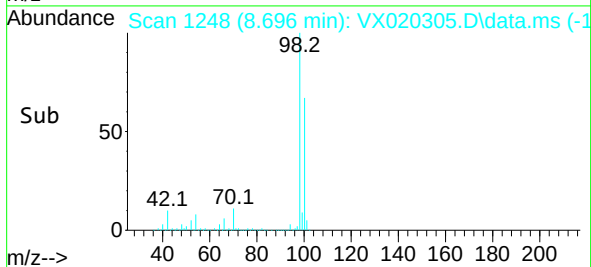
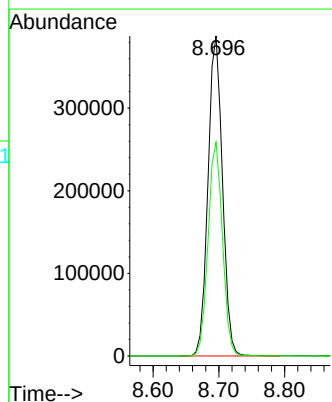
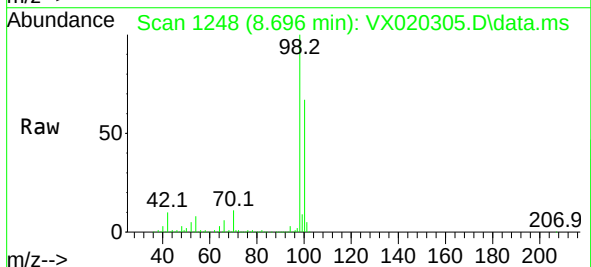
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

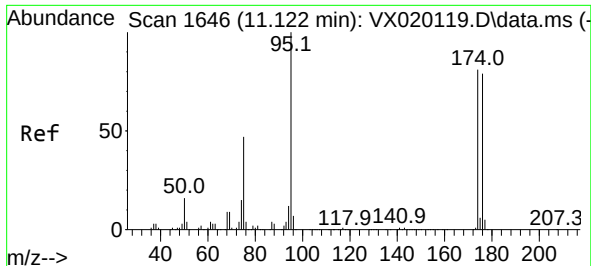
Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 37.3 23.2 34.8#
58 51.9 55.0 82.4#



#50
Toluene-d8
Concen: 48.78 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 98 Resp: 592297
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9

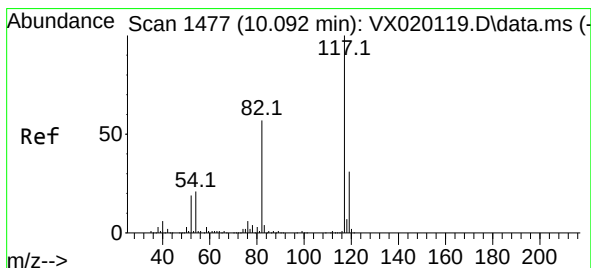
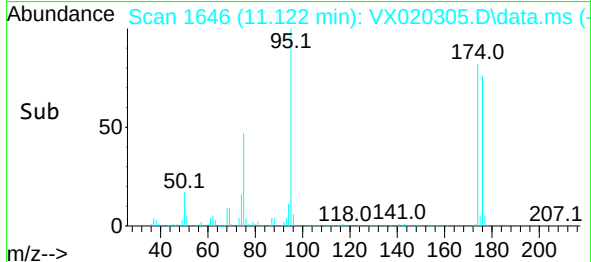
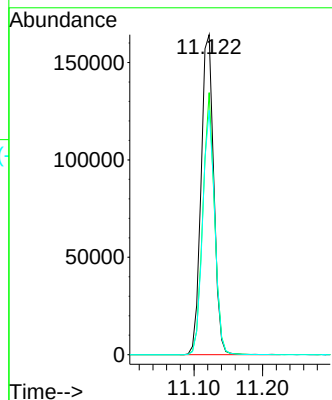
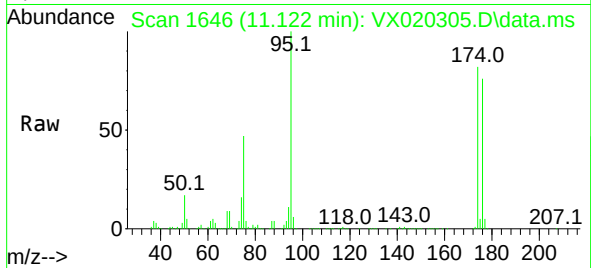




#62
4-Bromofluorobenzene
Concen: 45.55 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

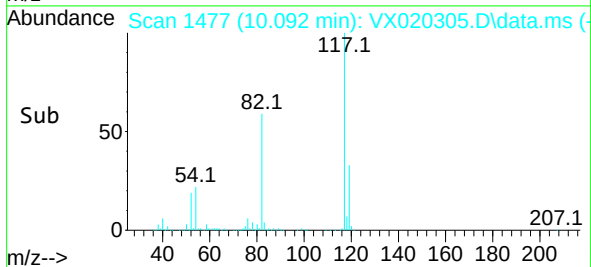
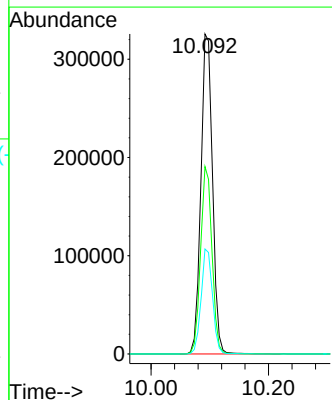
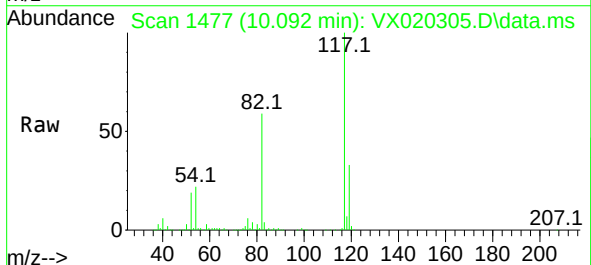
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

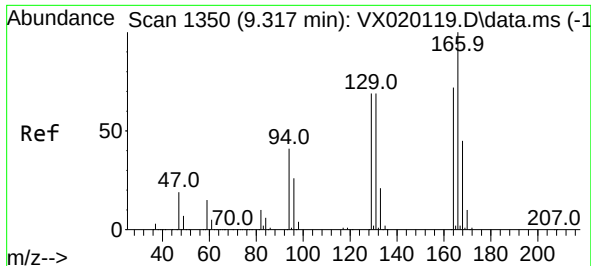
Tgt Ion: 95 Resp: 211710
Ion Ratio Lower Upper
95 100
174 75.3 0.0 154.6
176 73.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

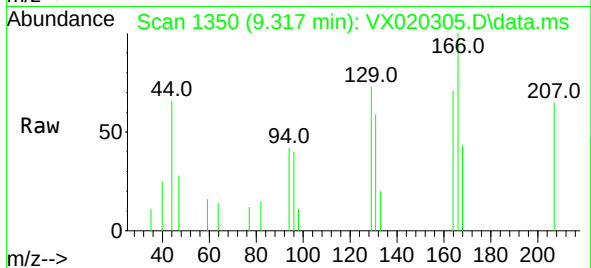
Tgt Ion: 117 Resp: 446785
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.8 26.6 39.8





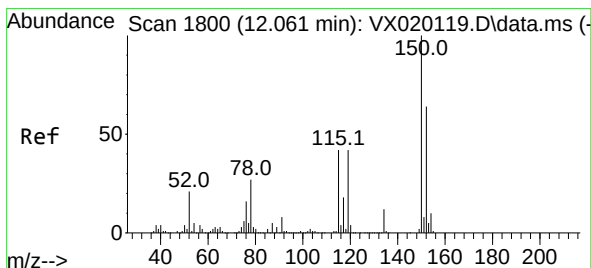
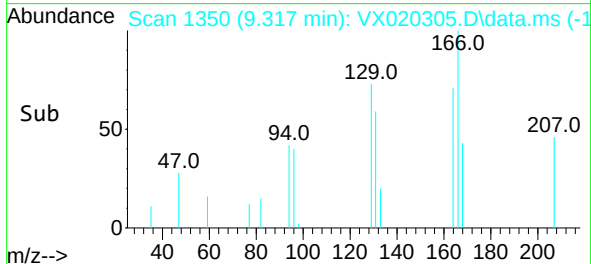
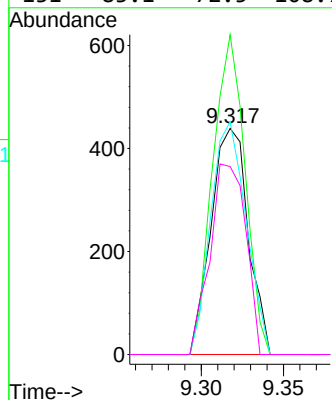
#64
Tetrachloroethene
Concen: 0.20 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213



Tgt Ion:164 Resp: 689

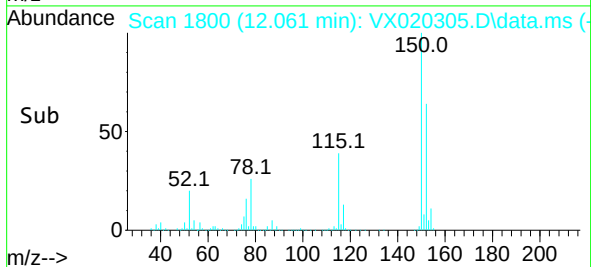
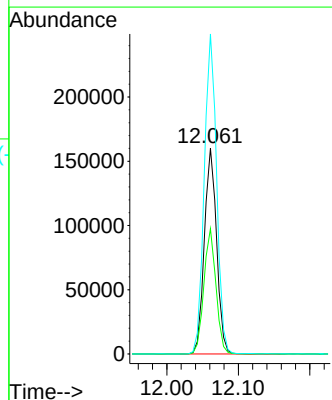
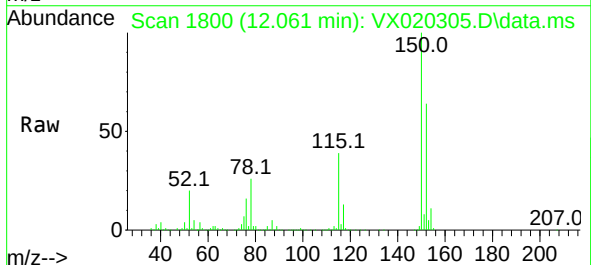
Ion	Ratio	Lower	Upper
164	100		
166	141.5	103.4	155.2
129	103.0	70.8	106.2
131	83.1	72.5	108.7

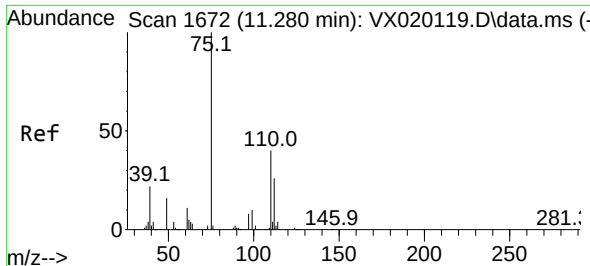


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion:152 Resp: 190898

Ion	Ratio	Lower	Upper
152	100		
115	60.0	41.1	123.3
150	156.7	0.0	349.0

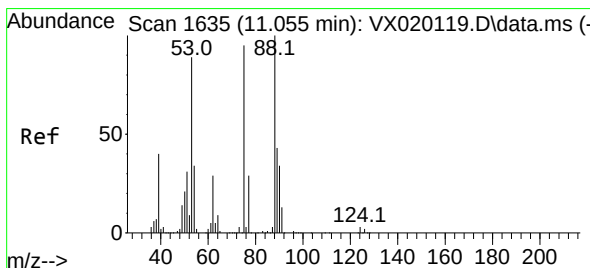
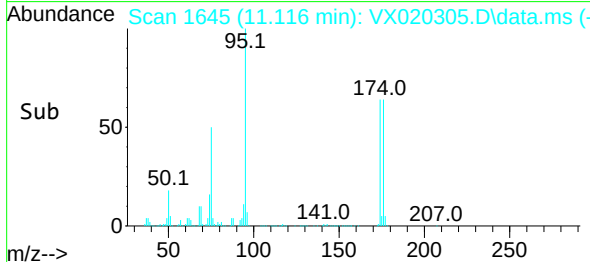
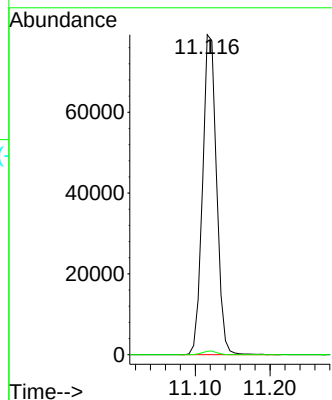
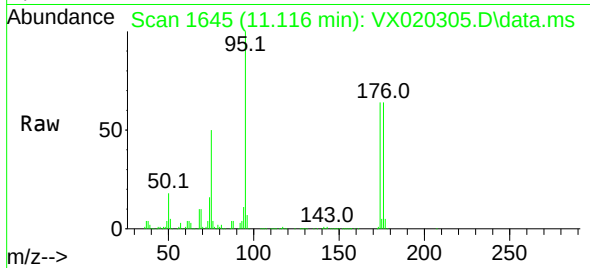




#76
1,2,3-Trichloropropane
Concen: 21.90 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20201213

Tgt Ion: 75 Resp: 102981
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.97 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020305.D
Acq: 22 Dec 2020 15:53

Tgt Ion: 75 Resp: 102981
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

