

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020311.D
 Acq On : 22 Dec 2020 18:13
 Operator : JC/MD
 Sample : L5123-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20201214

Quant Time: Dec 23 00:33:47 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)

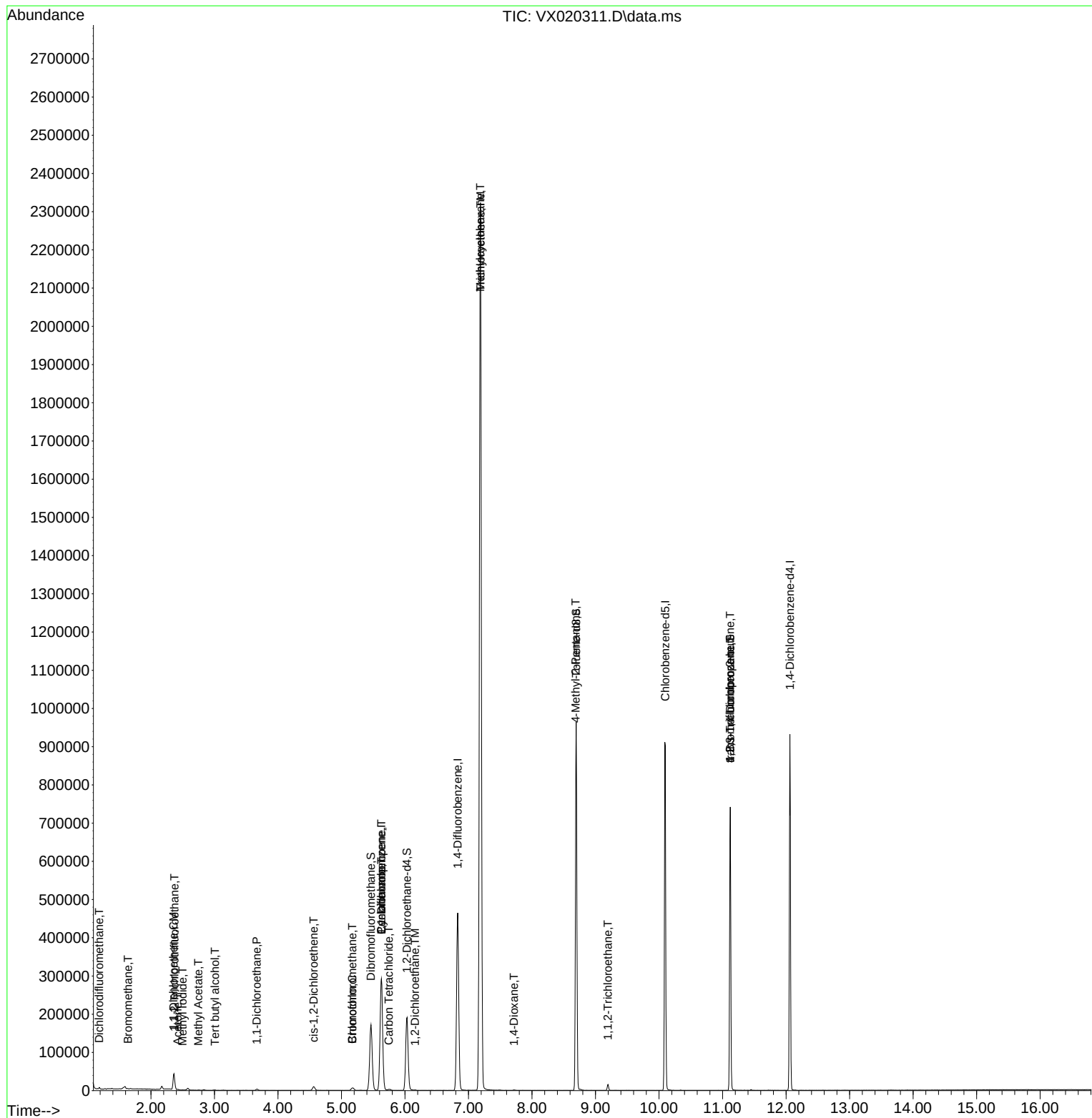
Internal Standards						
1) Pentafluorobenzene	5.629	168	280639	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	475556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	434350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	190080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	184403	49.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.04%		
35) Dibromofluoromethane	5.464	113	148731	48.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.78%		
50) Toluene-d8	8.695	98	569677	48.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.30%		
62) 4-Bromofluorobenzene	11.122	95	206293	46.03	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.06%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	1662	0.55	ug/l	92
5) Bromomethane	1.636	94	350	0.28	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.367	101	10894	3.89	ug/l	97
10) Methyl Iodide	2.495	142	46	3.30	ug/l #	42
11) Tert butyl alcohol	3.007	59	653	0.78	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	6817	2.38	ug/l	94
16) Acetone	2.416	43	1256	0.73	ug/l #	84
18) Methyl Acetate	2.745	43	769	0.20	ug/l	91
24) 1,1-Dichloroethane	3.666	63	3415	0.56	ug/l	98
27) cis-1,2-Dichloroethene	4.562	96	6545	1.67	ug/l	87
28) Bromochloromethane	5.172	49	633	0.23	ug/l #	9
30) Chloroform	5.172	83	8354	1.34	ug/l	95
31) Cyclohexane	5.629	56	5618	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	22291	4.74	ug/l #	49
38) Carbon Tetrachloride	5.745	117	2322	0.52	ug/l	93
39) Methylcyclohexane	7.183	83	10896	2.01	ug/l #	1
42) 1,2-Dichloroethane	6.159	62	1007	0.20	ug/l #	73
44) Trichloroethene	7.189	130	908688	240.28	ug/l	98
49) 1,4-Dioxane	7.714	88	810	9.16	ug/l #	73
51) 4-Methyl-2-Pentanone	8.689	43	2326	0.49	ug/l #	1
55) 1,1,2-Trichloroethane	9.195	97	4180	1.14	ug/l	96
76) 1,2,3-Trichloropropane	11.122	75	98968	21.14	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	98968	62.71	ug/l #	12

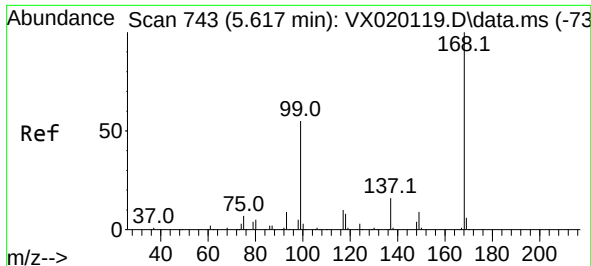
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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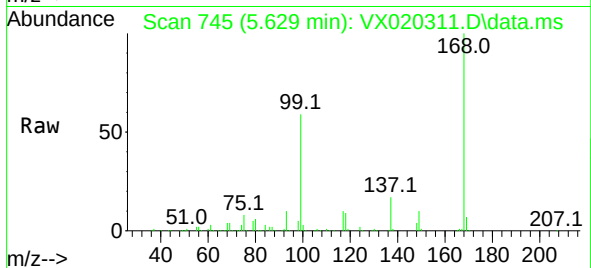
Quant Time: Dec 23 00:33:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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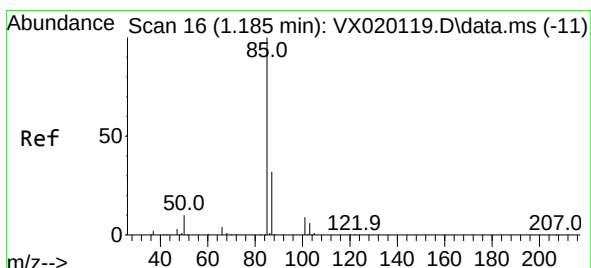
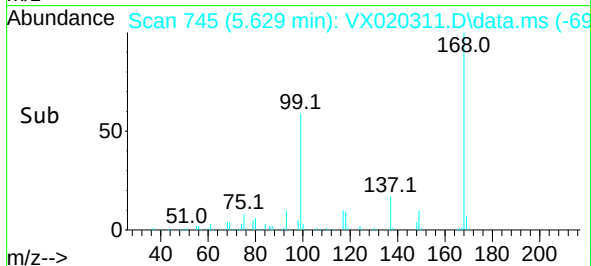
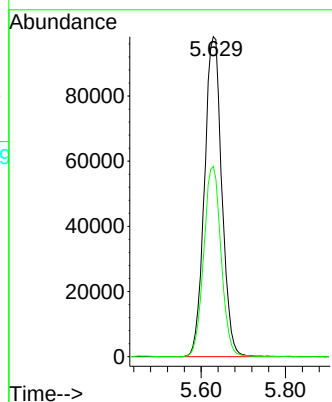


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

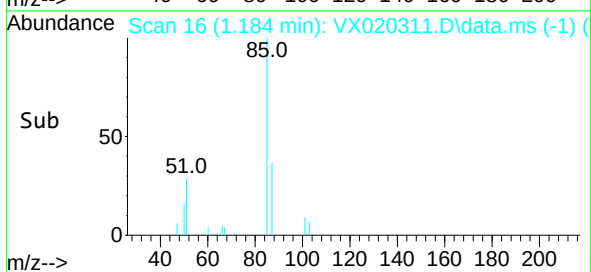
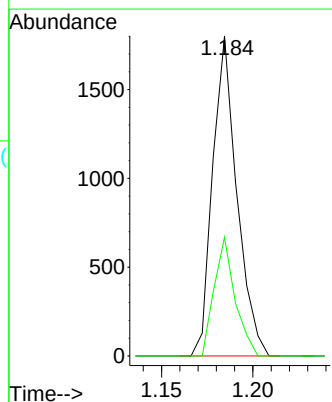
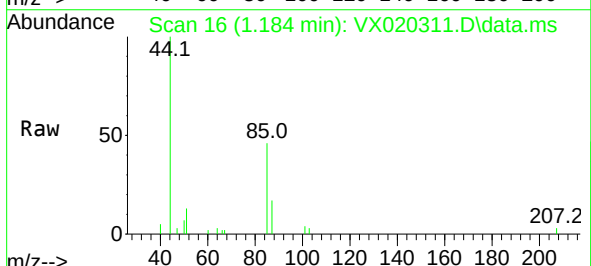


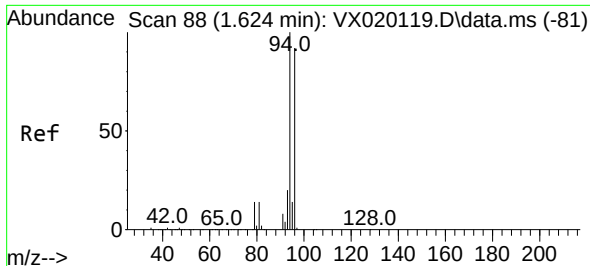
Tgt Ion:168 Resp: 280639
Ion Ratio Lower Upper
168 100
99 59.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.55 ug/l
RT: 1.184 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 85 Resp: 1662
Ion Ratio Lower Upper
85 100
87 37.1 16.4 49.2

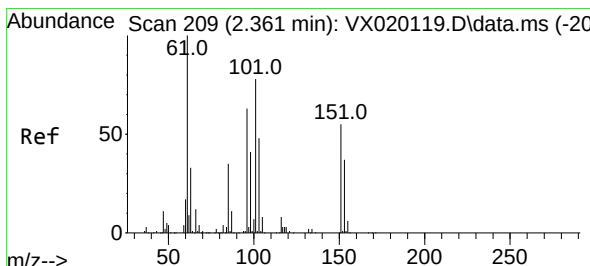
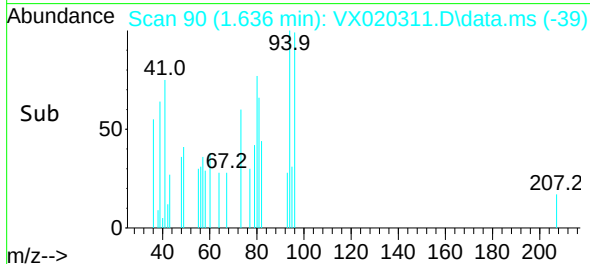
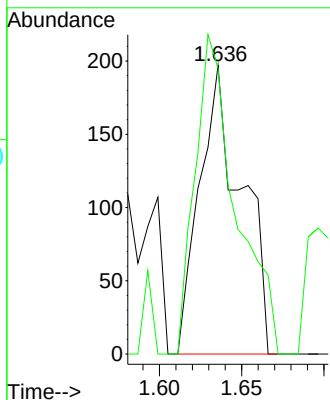
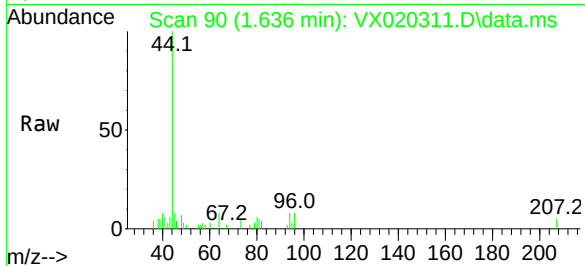




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

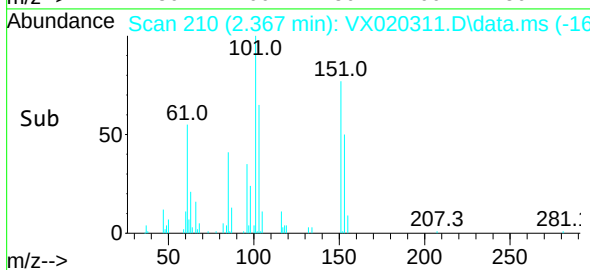
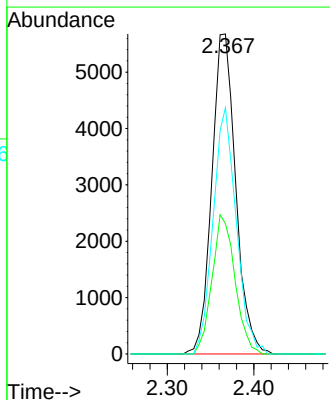
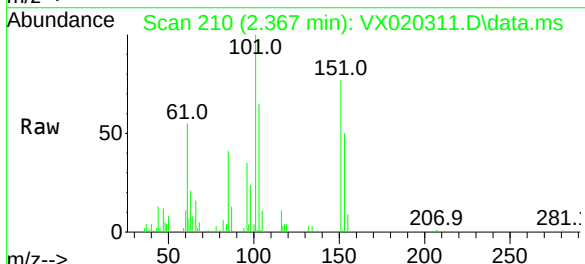
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

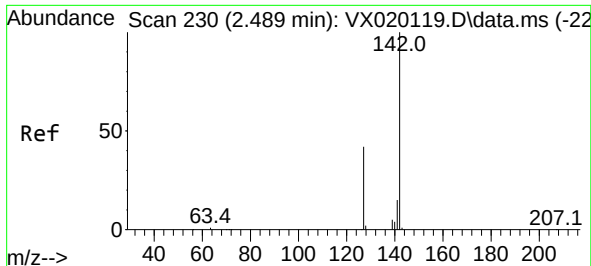
Tgt Ion: 94 Resp: 350
Ion Ratio Lower Upper
94 100
96 99.0 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.89 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 101 Resp: 10894
Ion Ratio Lower Upper
101 100
85 41.6 34.9 52.3
151 74.6 61.4 92.2

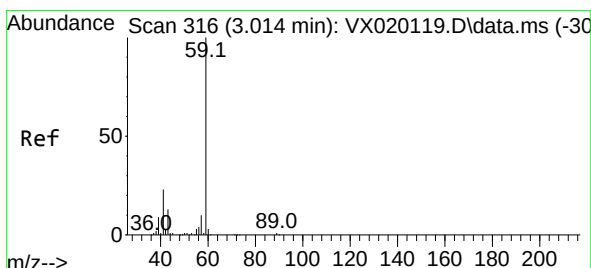
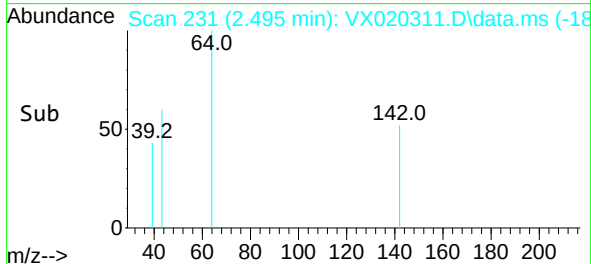
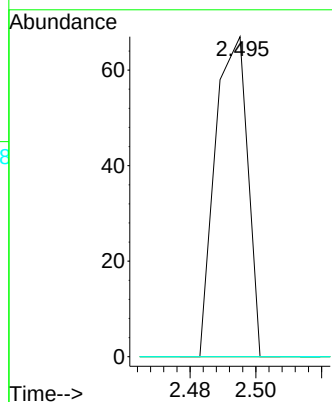
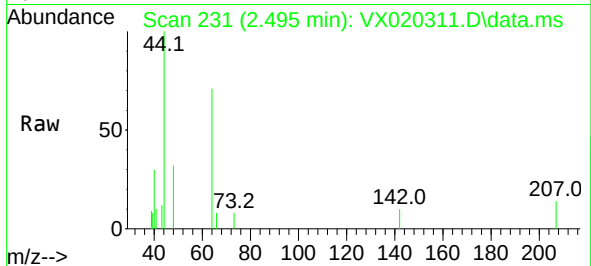




#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

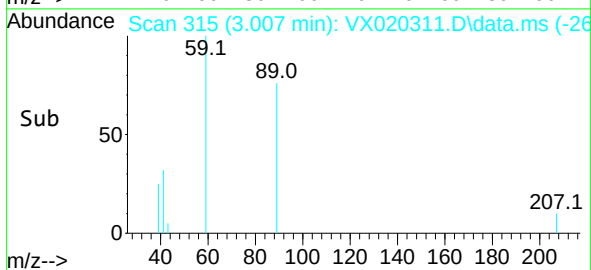
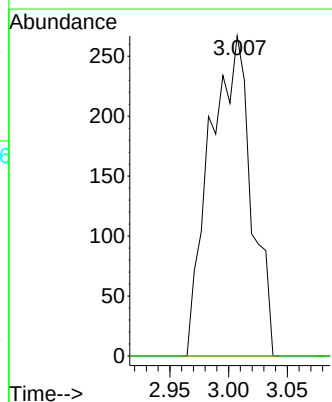
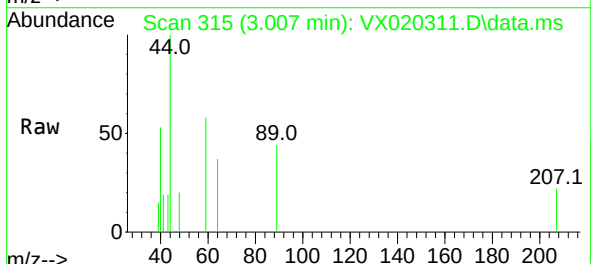
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

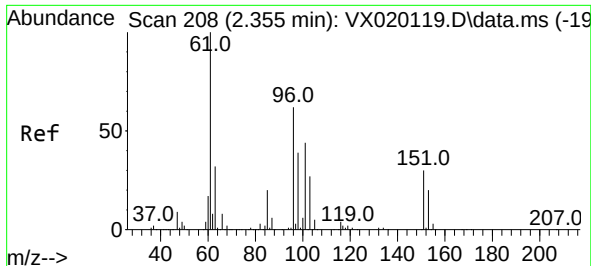
Tgt Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.78 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.007 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 59 Resp: 653
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 2.38 ug/l

RT: 2.355 min Scan# 208

Delta R.T. -0.000 min

Lab File: VX020311.D

Acq: 22 Dec 2020 18:13

Tgt Ion: 96 Resp: 6817

Ion Ratio Lower Upper

96 100

61 151.2 124.6 187.0

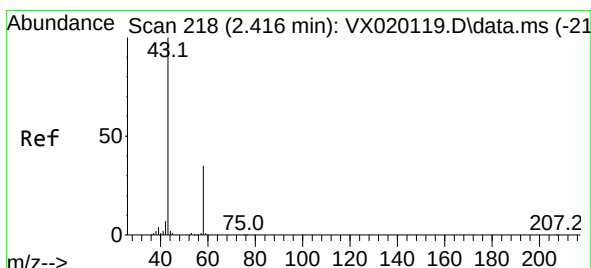
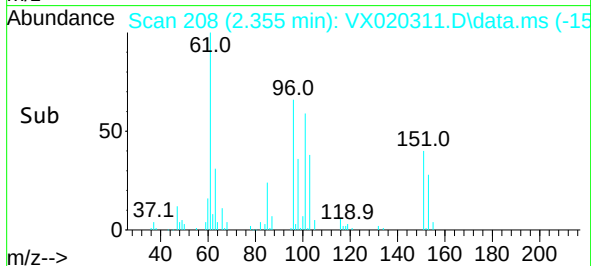
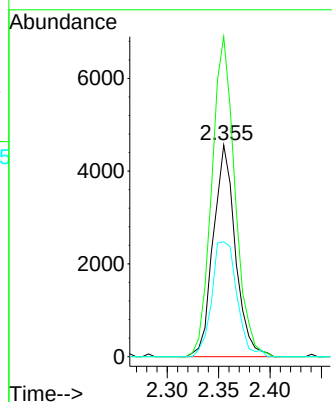
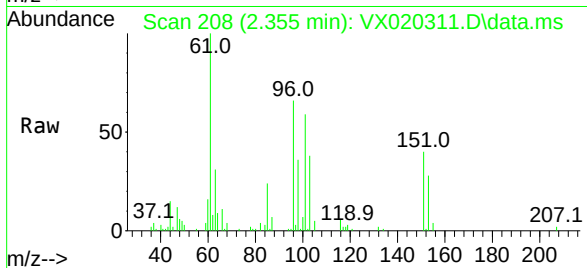
98 54.3 50.6 76.0

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20201214



#16

Acetone

Concen: 0.73 ug/l

RT: 2.416 min Scan# 218

Delta R.T. -0.000 min

Lab File: VX020311.D

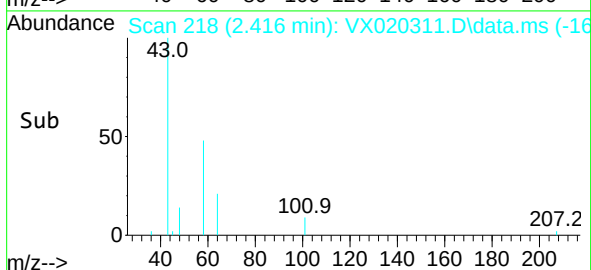
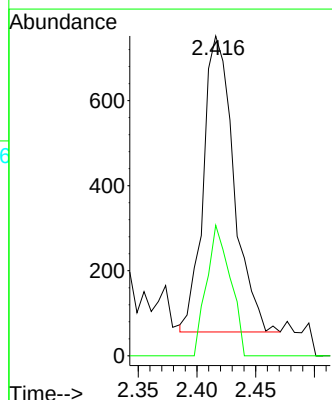
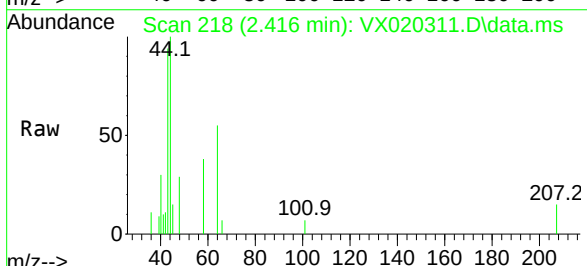
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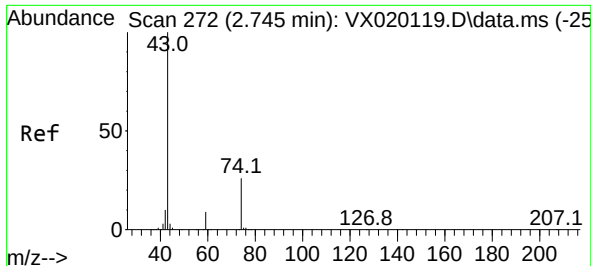
Tgt Ion: 43 Resp: 1256

Ion Ratio Lower Upper

43 100

58 44.1 27.8 41.8#

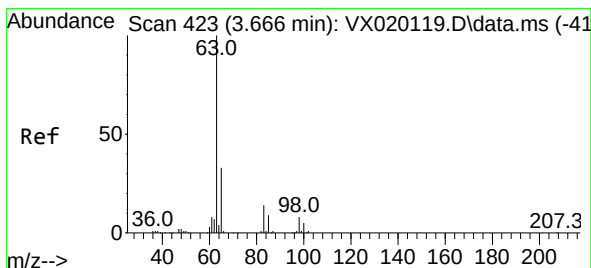
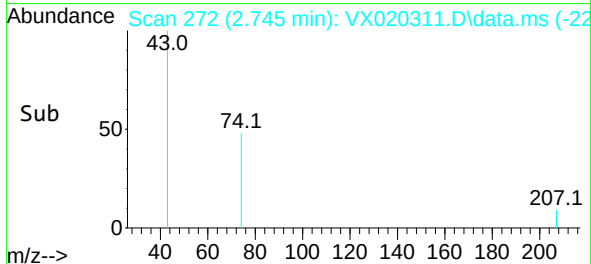
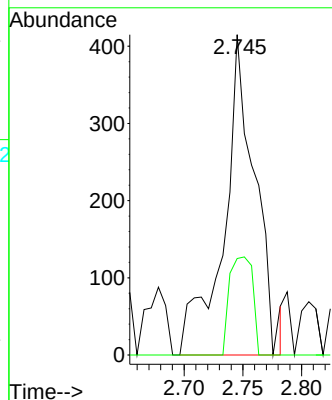
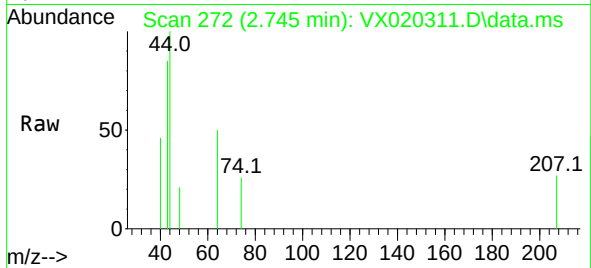




#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

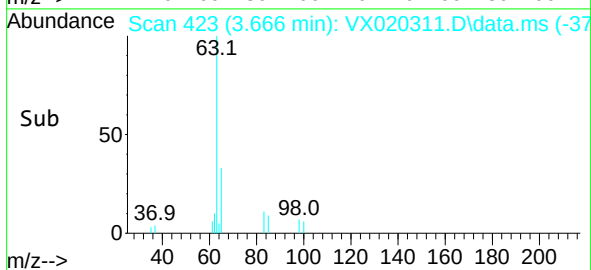
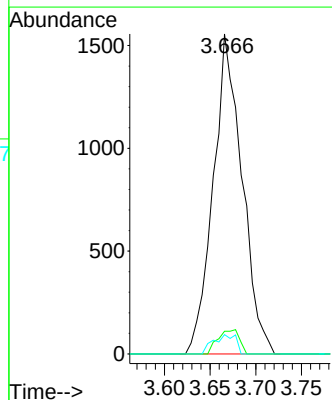
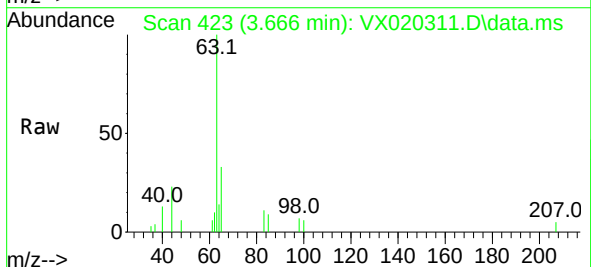
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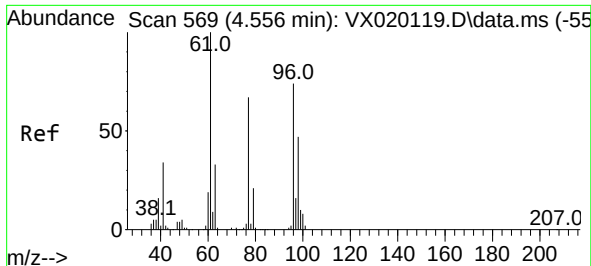
Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
74 22.5 21.9 32.9



#24
1,1-Dichloroethane
Concen: 0.56 ug/l
RT: 3.666 min Scan# 423
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 63 Resp: 3415
Ion Ratio Lower Upper
63 100
98 7.1 3.8 11.2
100 6.0 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 1.67 ug/l

RT: 4.562 min Scan# 570

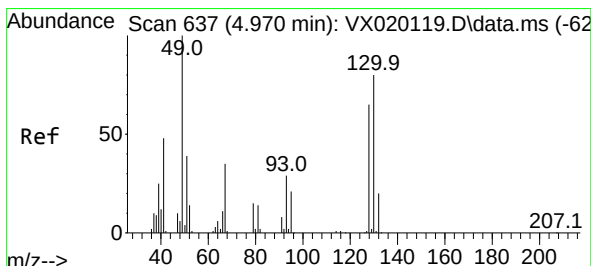
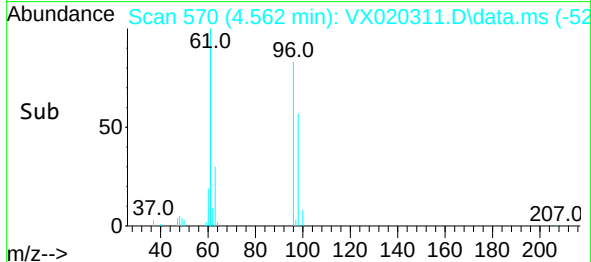
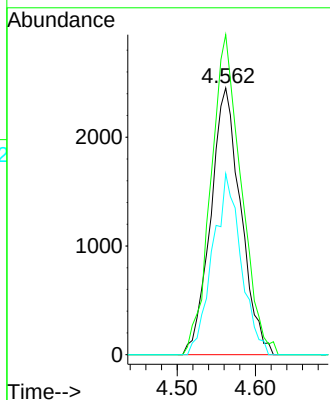
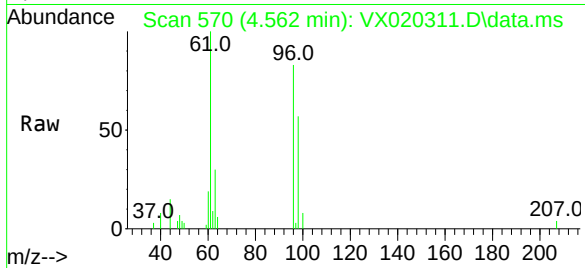
Delta R.T. 0.006 min

Lab File: VX020311.D

Acq: 22 Dec 2020 18:13

Tgt Ion:	96	Resp:	6545
Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	285.6
98	64.0	0.0	129.6

Instrument :
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#28

Bromochloromethane

Concen: 0.23 ug/l

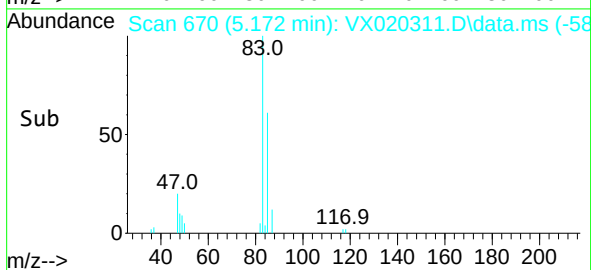
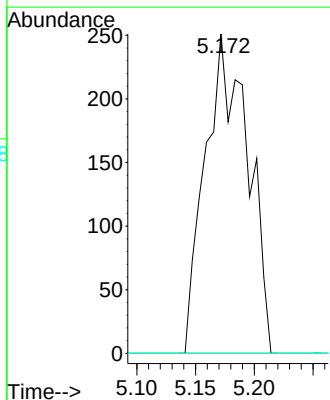
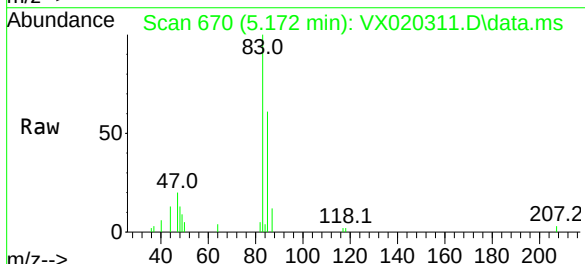
RT: 5.172 min Scan# 670

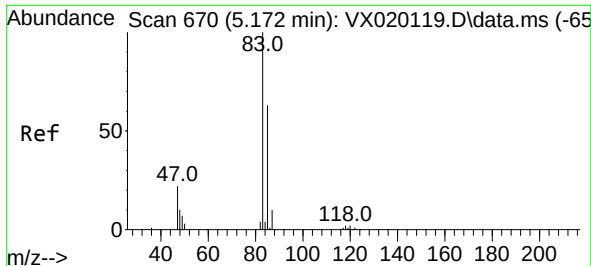
Delta R.T. 0.202 min

Lab File: VX020311.D

Acq: 22 Dec 2020 18:13

Tgt Ion:	49	Resp:	633
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#

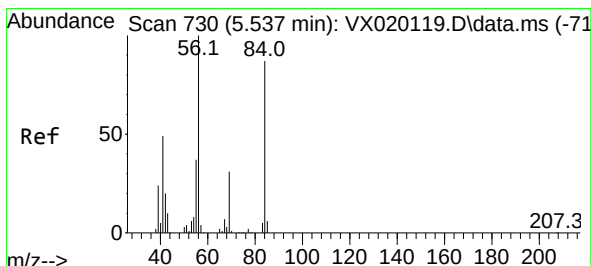
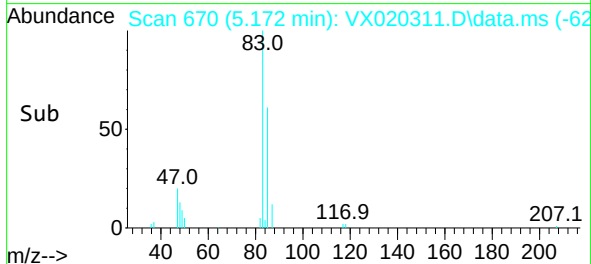
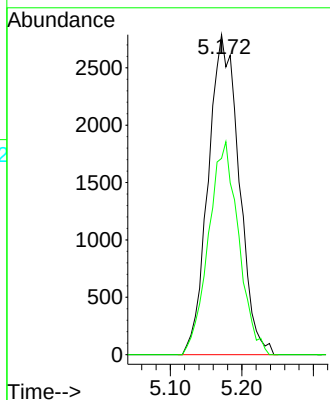
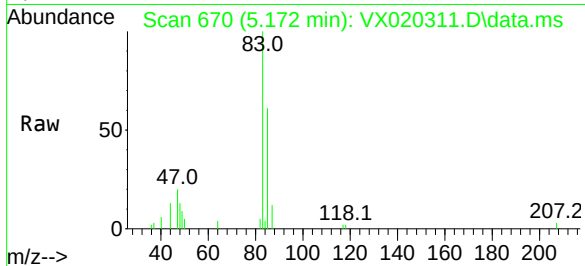




#30
Chloroform
Concen: 1.34 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

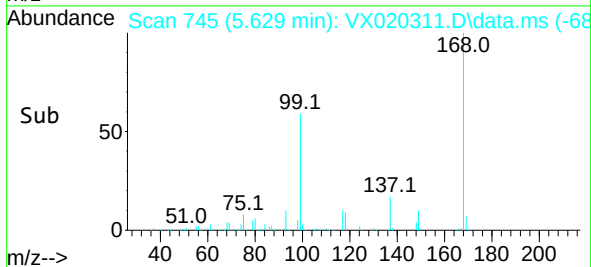
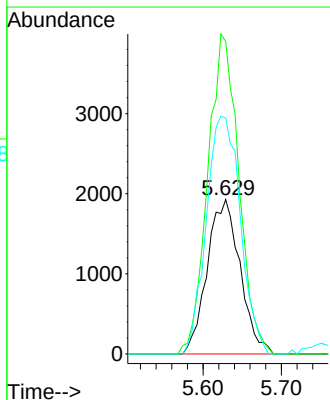
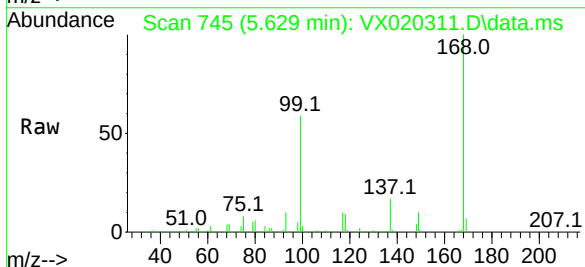
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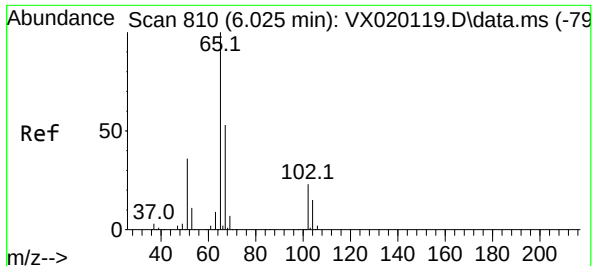
Tgt Ion: 83 Resp: 8354
Ion Ratio Lower Upper
83 100
85 61.3 52.0 78.0



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 56 Resp: 5618
Ion Ratio Lower Upper
56 100
69 202.4 25.3 37.9#
84 152.7 71.4 107.0#

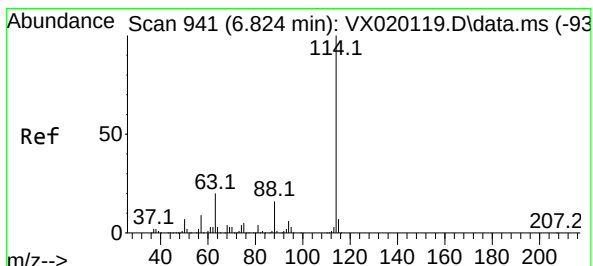
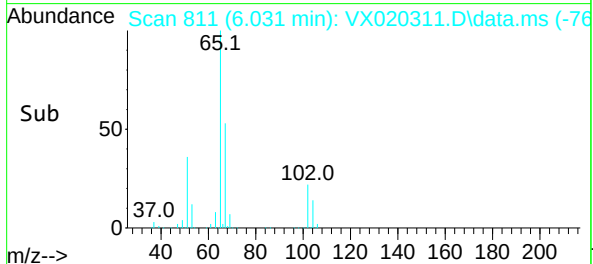
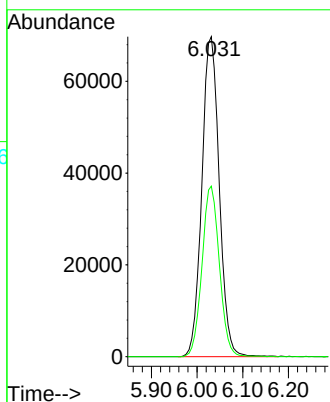
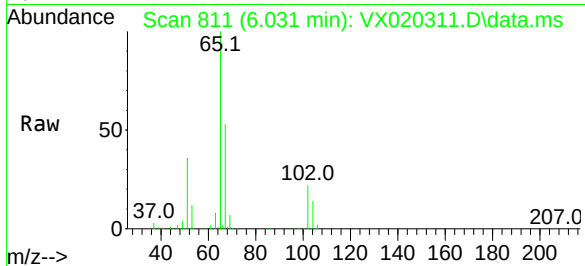




#33
1,2-Dichloroethane-d4
Concen: 49.02 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

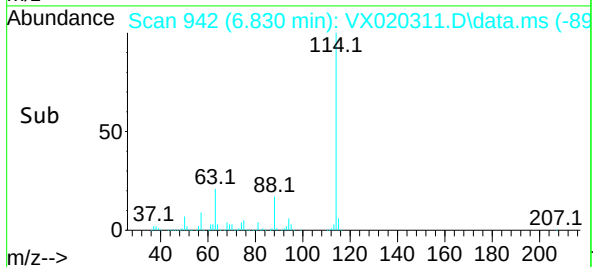
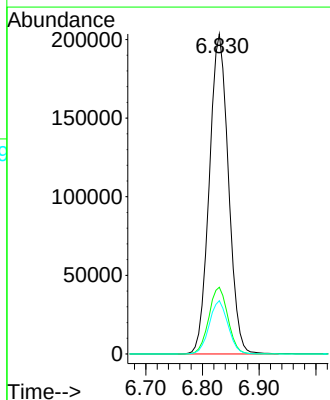
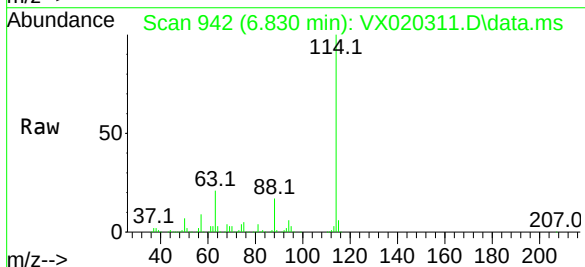
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

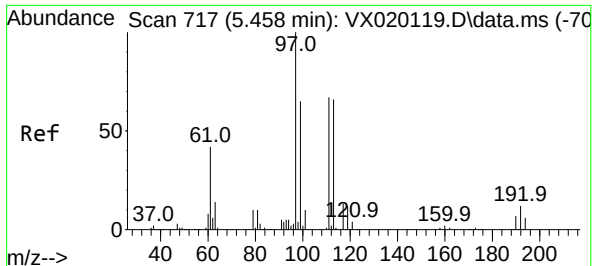
Tgt Ion: 65 Resp: 184403
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

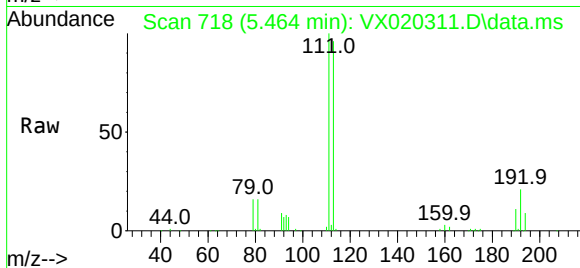
Tgt Ion: 114 Resp: 475556
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.7 0.0 32.8



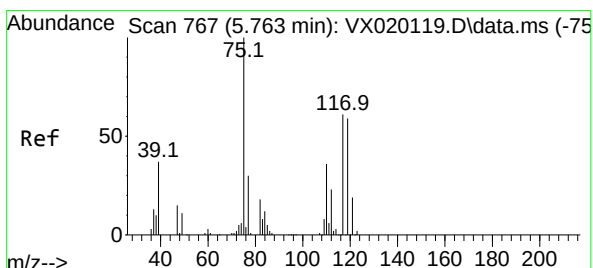
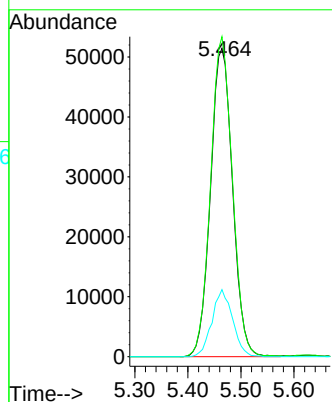
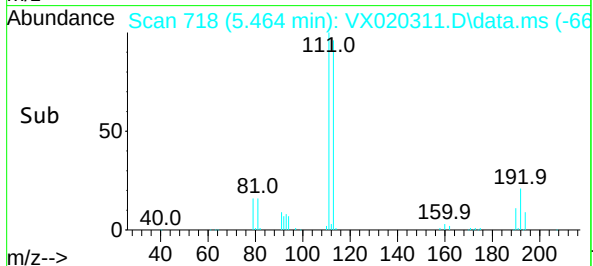


#35
Dibromofluoromethane
Concen: 48.89 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

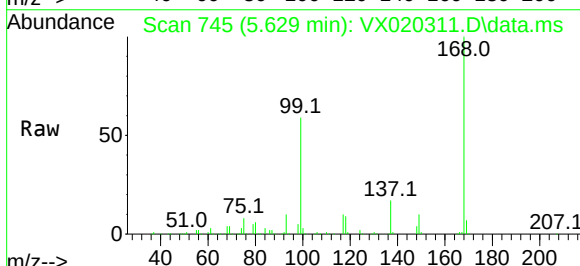
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214



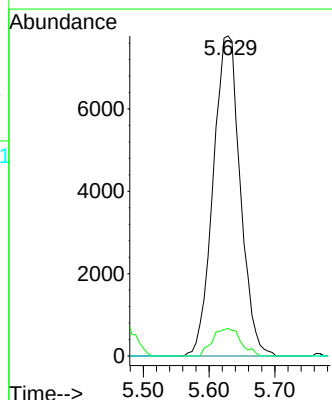
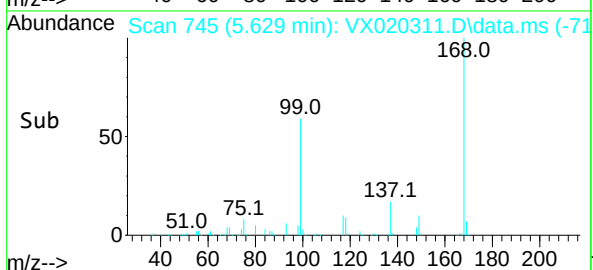
Tgt Ion:113 Resp: 148731
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 20.4 16.7 25.1

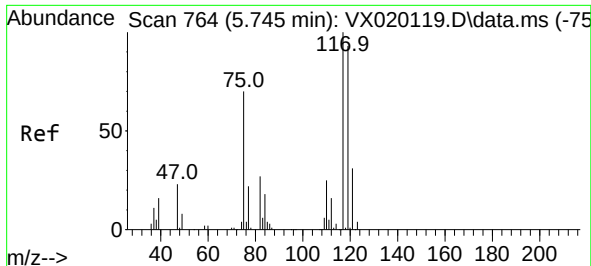


#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13



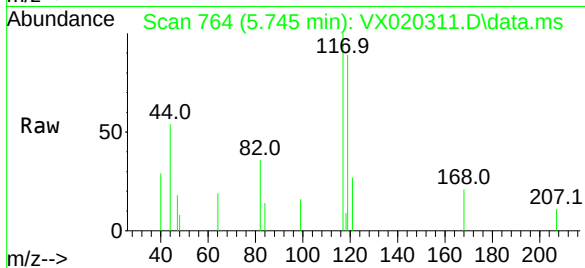
Tgt Ion: 75 Resp: 22291
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



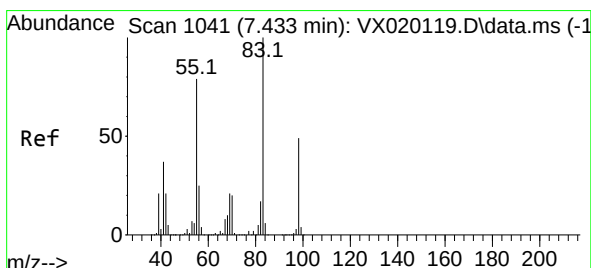
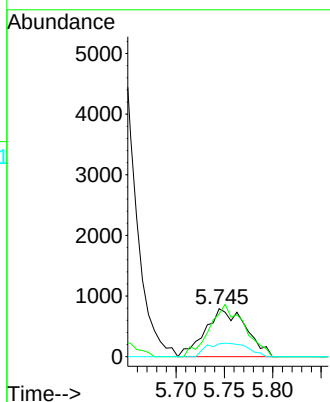
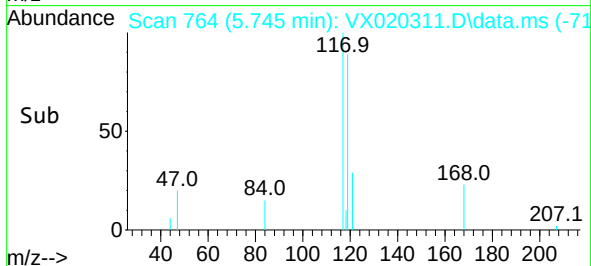


#38
Carbon Tetrachloride
Concen: 0.52 ug/l
RT: 5.745 min Scan# 764
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

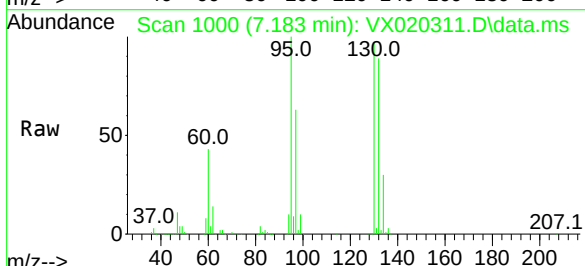
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214



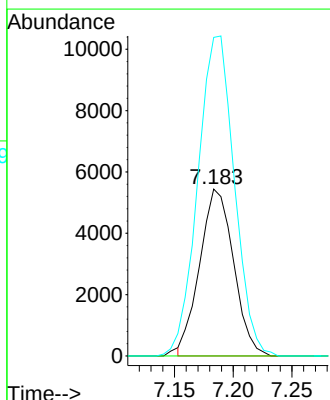
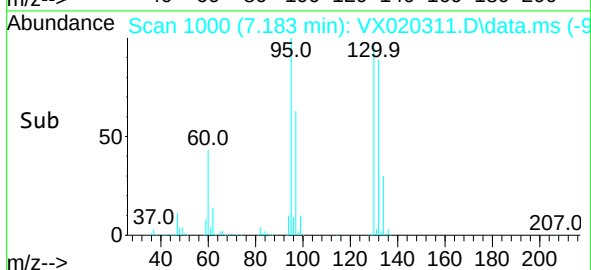
Tgt Ion:117 Resp: 2322
Ion Ratio Lower Upper
117 100
119 89.0 76.2 114.2
121 26.9 24.8 37.2

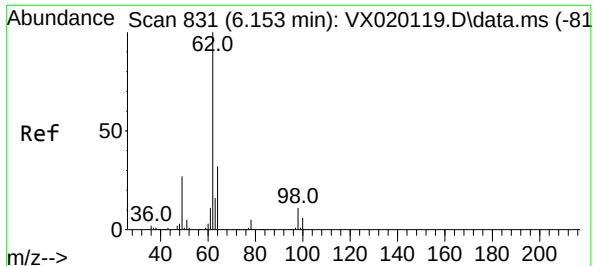


#39
Methylcyclohexane
Concen: 2.01 ug/l
RT: 7.183 min Scan# 1000
Delta R.T. -0.250 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13



Tgt Ion: 83 Resp: 10896
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 190.9 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.20 ug/l

RT: 6.159 min Scan# 832

Delta R.T. 0.006 min

Lab File: VX020311.D

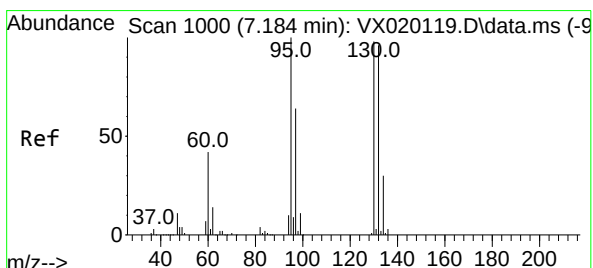
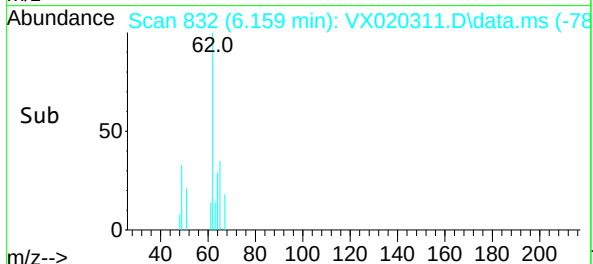
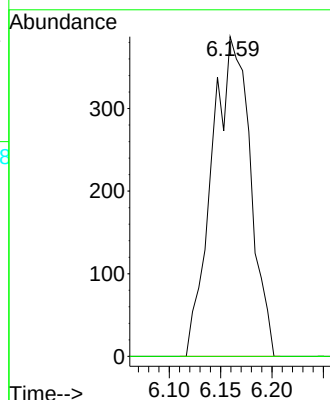
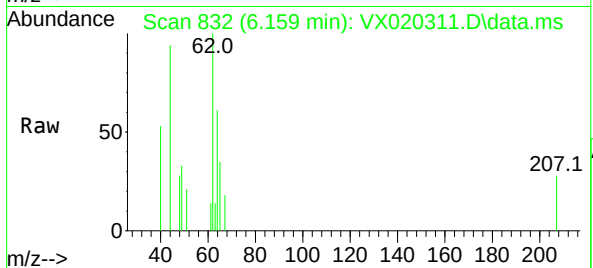
Acq: 22 Dec 2020 18:13

Tgt Ion: 62 Resp: 1007

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 240.28 ug/l

RT: 7.189 min Scan# 1001

Delta R.T. 0.005 min

Lab File: VX020311.D

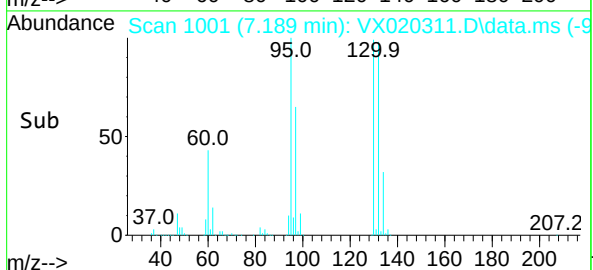
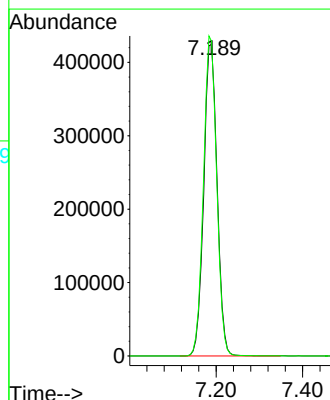
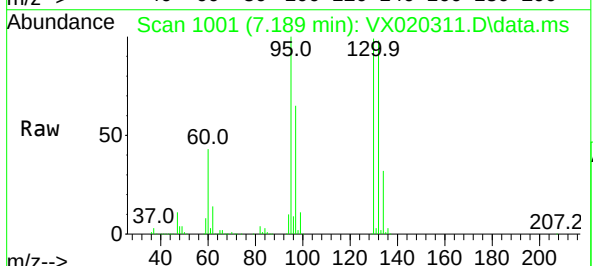
Acq: 22 Dec 2020 18:13

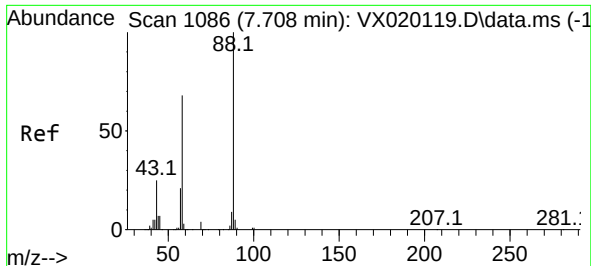
Tgt Ion:130 Resp: 908688

Ion Ratio Lower Upper

130 100

95 101.0 0.0 198.0





#49

1,4-Dioxane

Concen: 9.16 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.006 min

Lab File: VX020311.D

Acq: 22 Dec 2020 18:13

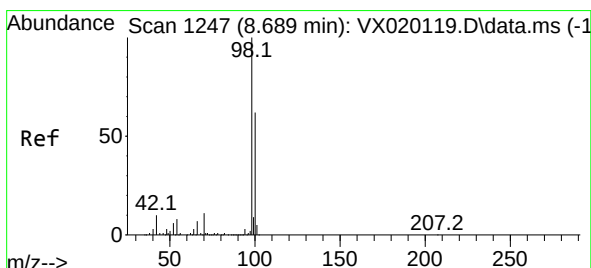
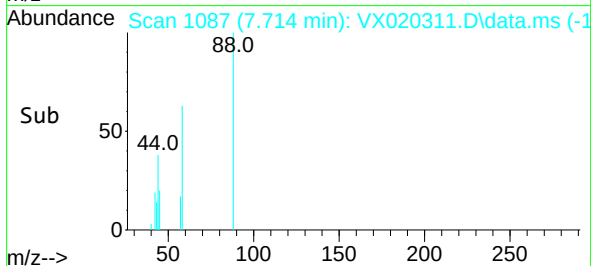
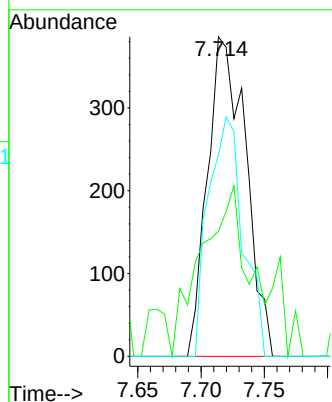
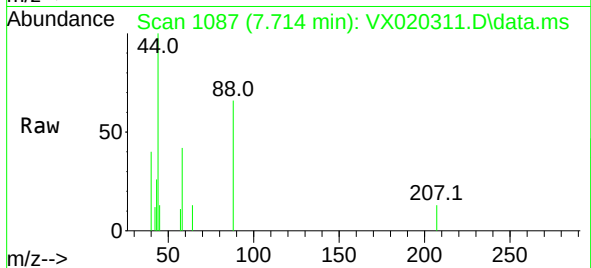
Tgt Ion: 88 Resp: 810

Ion Ratio Lower Upper

88 100

43 76.3 23.2 34.8#

58 68.3 55.0 82.4



#50

Toluene-d8

Concen: 48.65 ug/l

RT: 8.695 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VX020311.D

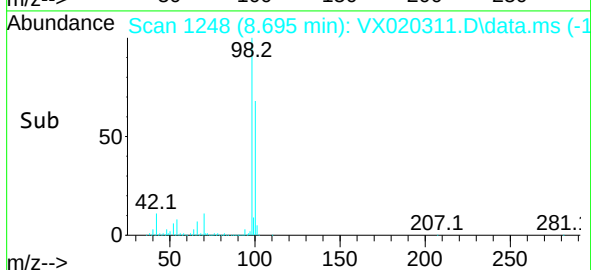
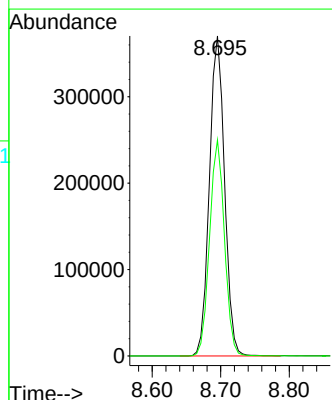
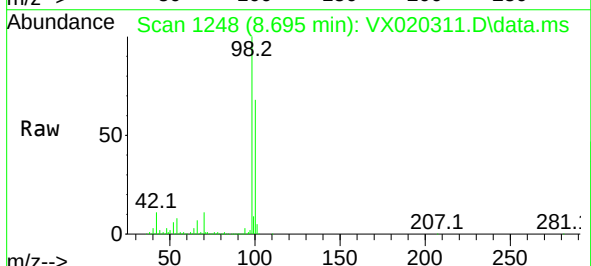
Acq: 22 Dec 2020 18:13

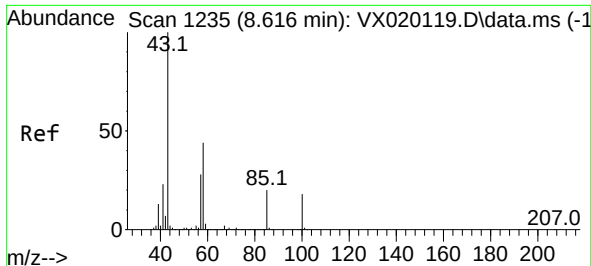
Tgt Ion: 98 Resp: 569677

Ion Ratio Lower Upper

98 100

100 66.4 51.9 77.9

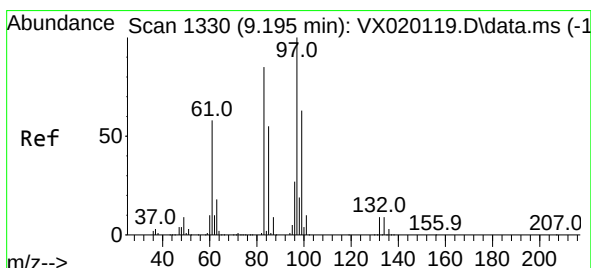
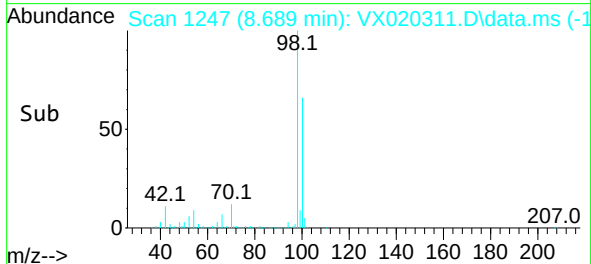
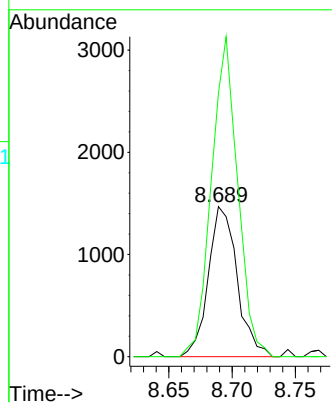
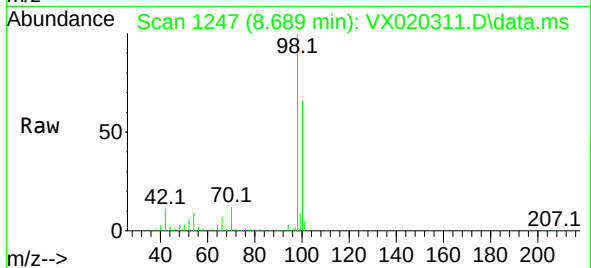




#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

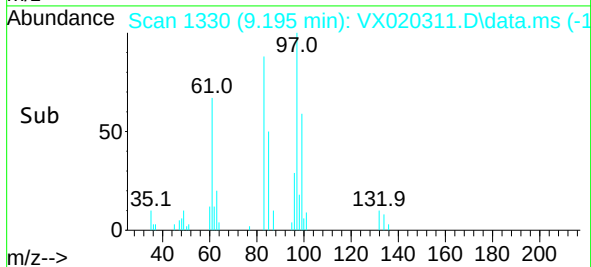
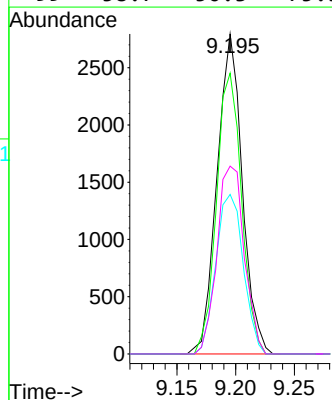
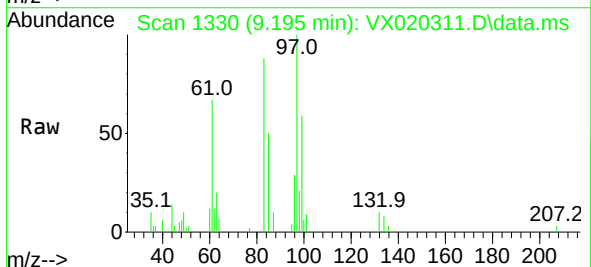
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

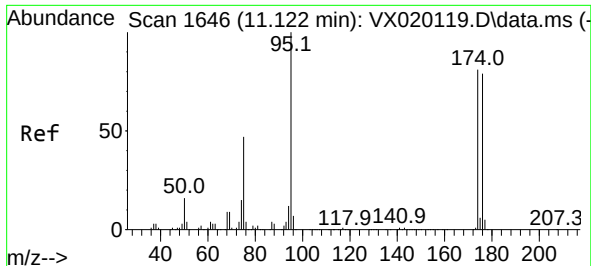
Tgt Ion: 43 Resp: 2326
Ion Ratio Lower Upper
43 100
58 194.6 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 1.14 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 97 Resp: 4180
Ion Ratio Lower Upper
97 100
83 87.8 69.3 103.9
85 49.8 44.3 66.5
99 58.7 50.3 75.5

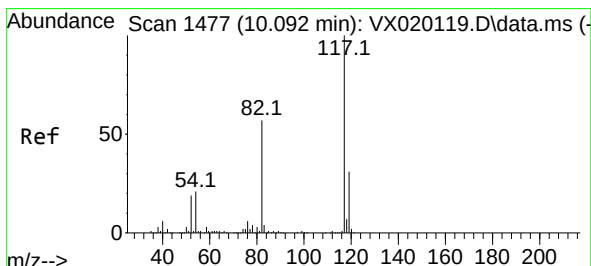
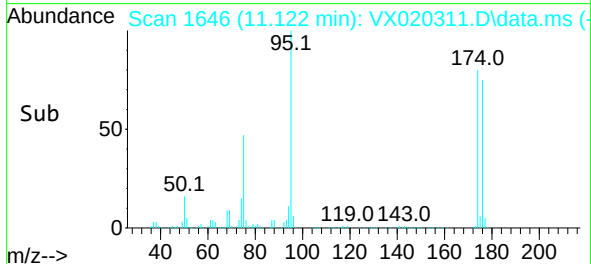
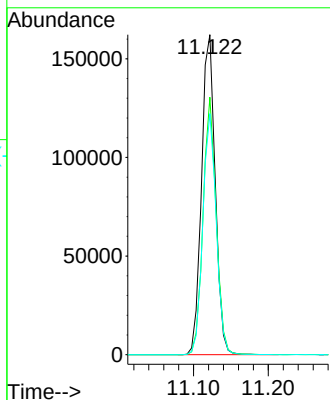
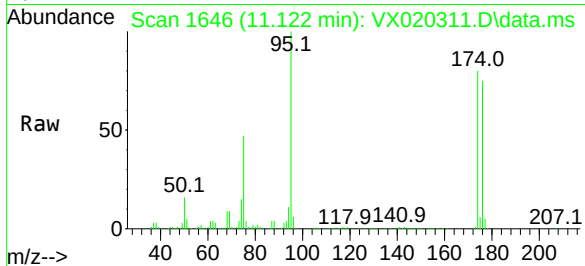




#62
4-Bromofluorobenzene
Concen: 46.03 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

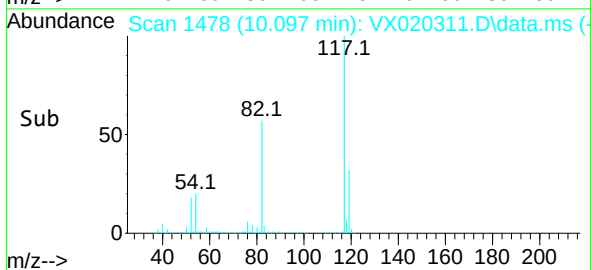
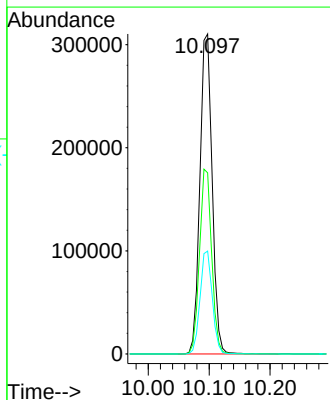
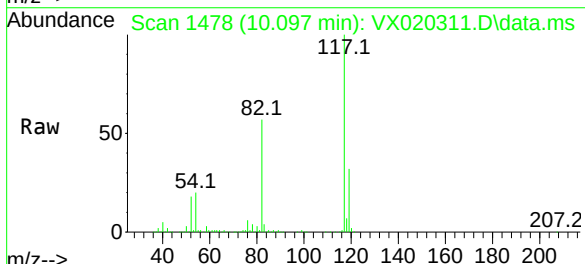
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

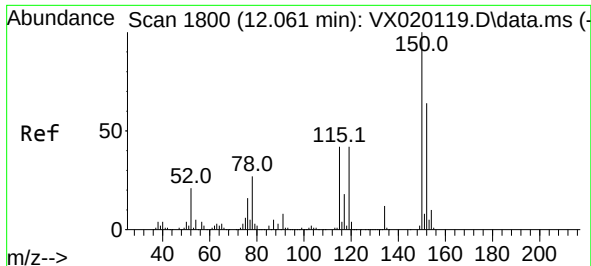
Tgt Ion: 95 Resp: 206293
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 73.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 117 Resp: 434350
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.2 26.6 39.8

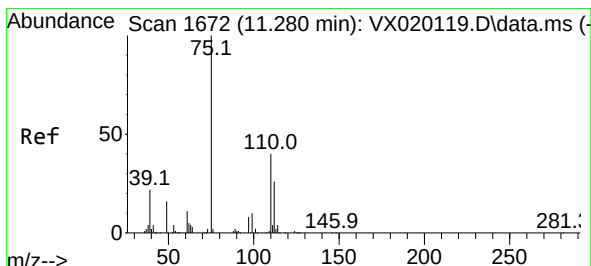
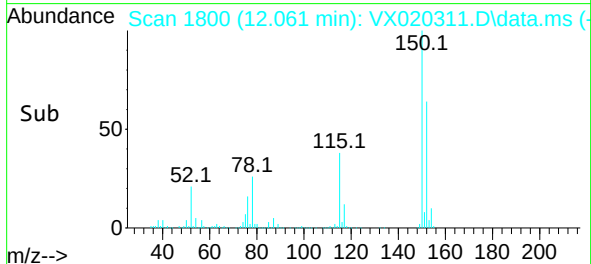
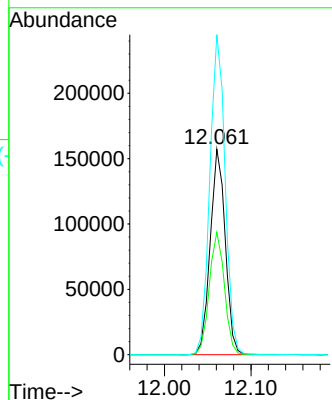
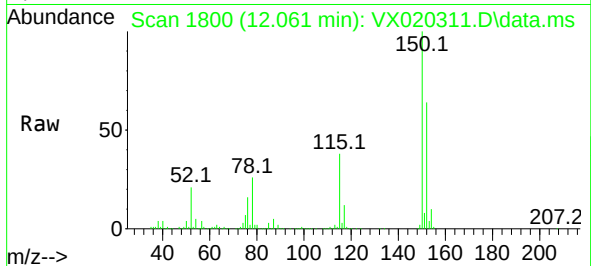




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

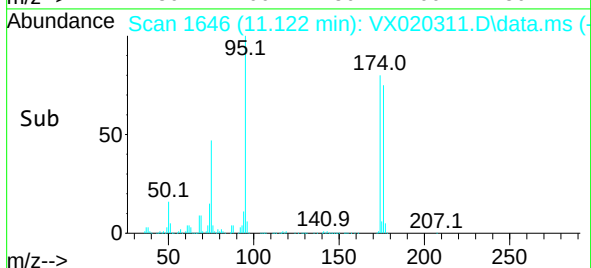
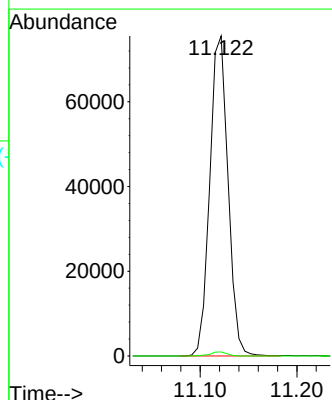
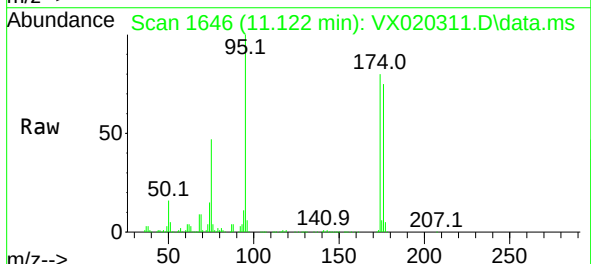
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

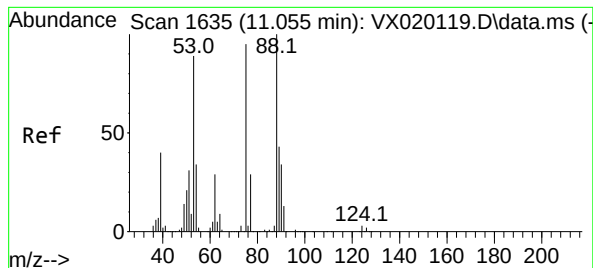
Tgt Ion:152 Resp: 190080
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 157.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.14 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

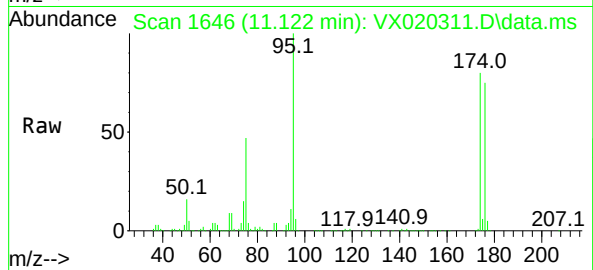
Tgt Ion: 75 Resp: 98968
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#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: VX020311.D
 Acq: 22 Dec 2020 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20201214



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

