

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020344.D
 Acq On : 23 Dec 2020 17:27
 Operator : JC/MD
 Sample : L5123-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20201214

Quant Time: Dec 24 00:19:27 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)

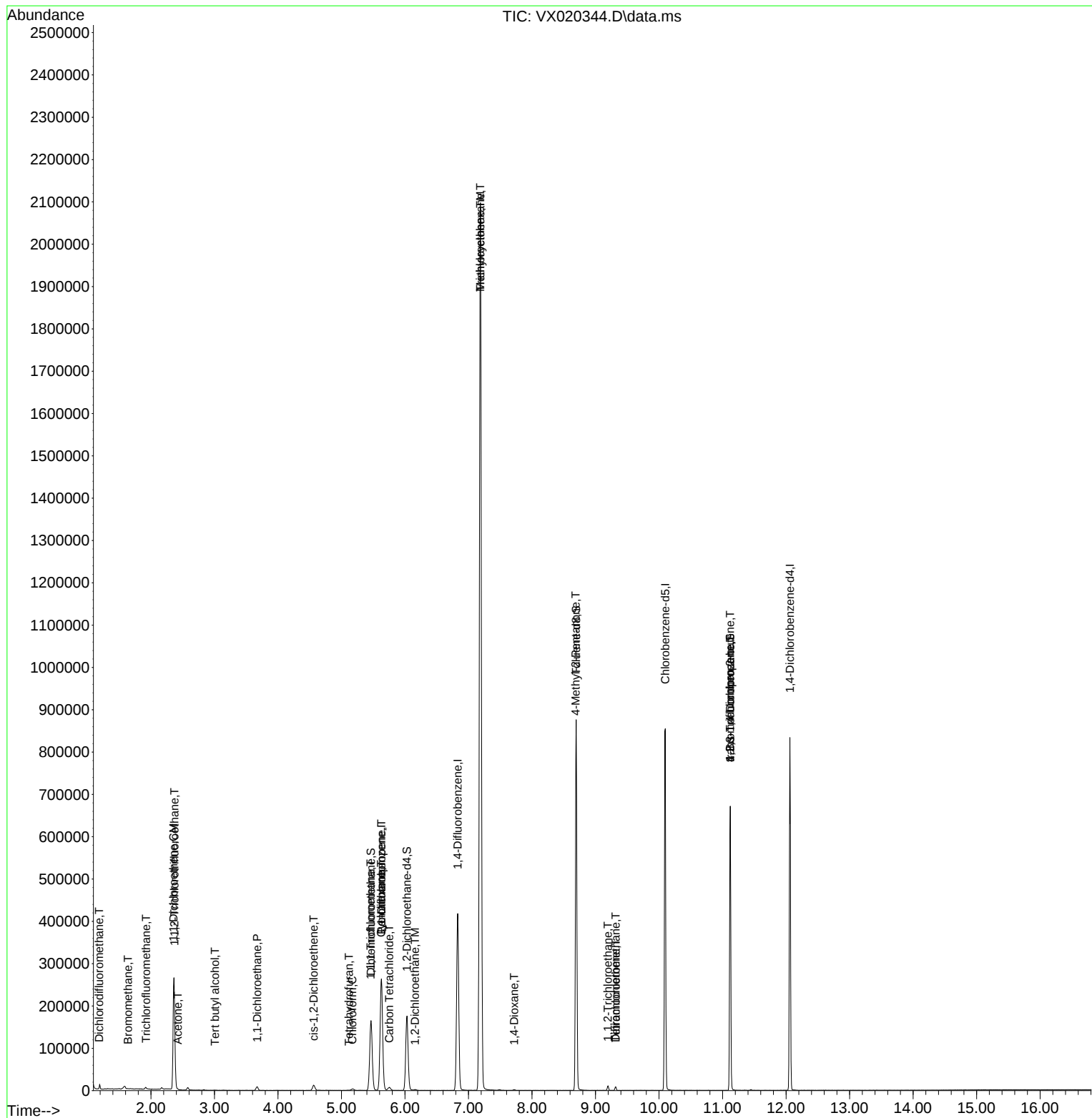
Internal Standards						
1) Pentafluorobenzene	5.629	168	248200	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	418228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	403544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	168125	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	167548	50.36	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.72%	
35) Dibromofluoromethane	5.464	113	136053	50.85	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.70%	
50) Toluene-d8	8.695	98	518238	50.32	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.64%	
62) 4-Bromofluorobenzene	11.122	95	186455	47.31	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 94.62%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	1003	0.37	ug/l	95
5) Bromomethane	1.636	94	396	0.36	ug/l	85
7) Trichlorofluoromethane	1.922	101	2516	0.57	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.367	101	68601	27.69	ug/l	97
11) Tert butyl alcohol	3.007	59	548	0.74	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	42981	16.95	ug/l	95
16) Acetone	2.422	43	1031	0.68	ug/l #	85
24) 1,1-Dichloroethane	3.672	63	9640	1.78	ug/l	94
27) cis-1,2-Dichloroethene	4.562	96	8094	2.33	ug/l	88
29) Tetrahydrofuran	5.117	42	296	0.21	ug/l #	32
30) Chloroform	5.172	83	3956	0.72	ug/l	91
31) Cyclohexane	5.623	56	4806	1.05	ug/l #	1
32) 1,1,1-Trichloroethane	5.458	97	8191	1.78	ug/l	97
36) 1,1-Dichloropropene	5.629	75	19699	4.77	ug/l #	49
38) Carbon Tetrachloride	5.751	117	6161	1.57	ug/l	96
39) Methylcyclohexane	7.184	83	9961	2.09	ug/l #	1
42) 1,2-Dichloroethane	6.159	62	1852	0.42	ug/l	80
44) Trichloroethene	7.184	130	823058	247.46	ug/l	98
49) 1,4-Dioxane	7.720	88	1135	14.59	ug/l #	94
51) 4-Methyl-2-Pentanone	8.689	43	2136	0.51	ug/l #	1
55) 1,1,2-Trichloroethane	9.195	97	2820	0.87	ug/l	95
60) Dibromochloromethane	9.317	129	1521	0.47	ug/l #	11
64) Tetrachloroethene	9.317	164	1632	0.54	ug/l	97
76) 1,2,3-Trichloropropane	11.122	75	90798	21.92	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	90798	65.05	ug/l #	12

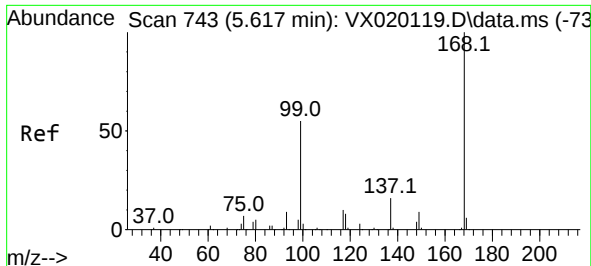
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT180D2-20201214

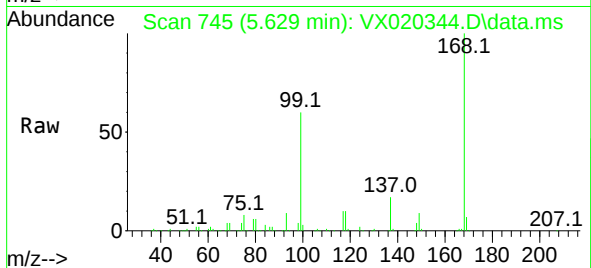
Quant Time: Dec 24 00:19:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
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QLast Update : Fri Dec 18 13:09:49 2020
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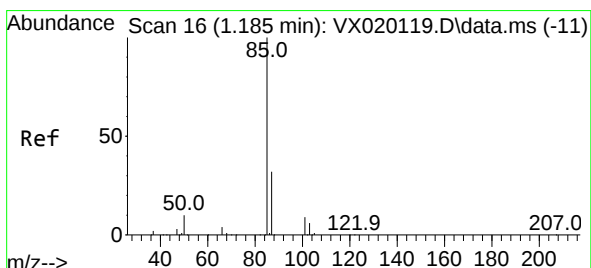
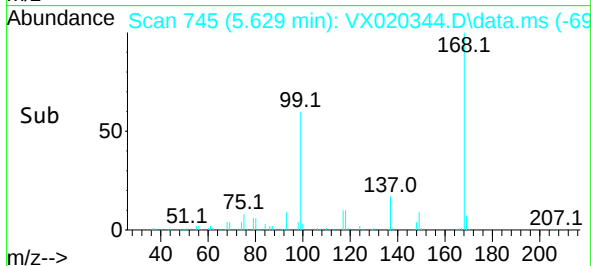
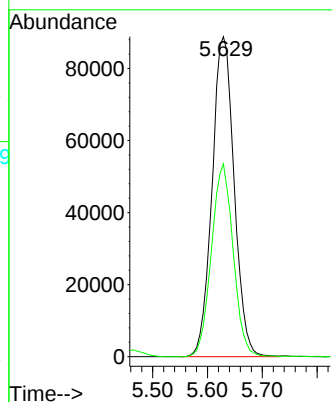


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

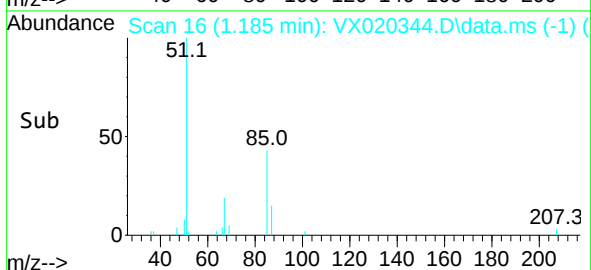
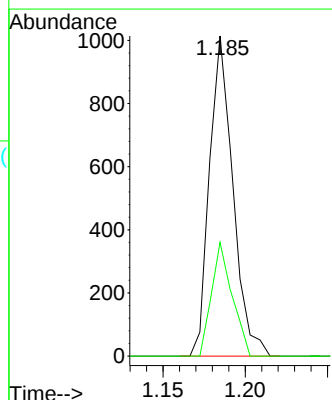
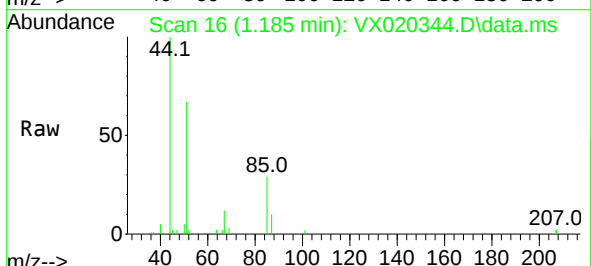


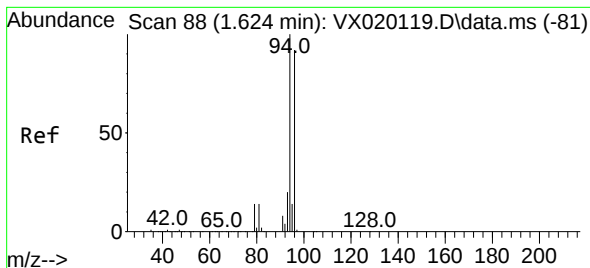
Tgt Ion:168 Resp: 248200
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.37 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion: 85 Resp: 1003
Ion Ratio Lower Upper
85 100
87 35.5 16.4 49.2





#5

Bromomethane

Concen: 0.36 ug/l

RT: 1.636 min Scan# 90

Delta R.T. 0.012 min

Lab File: VX020344.D

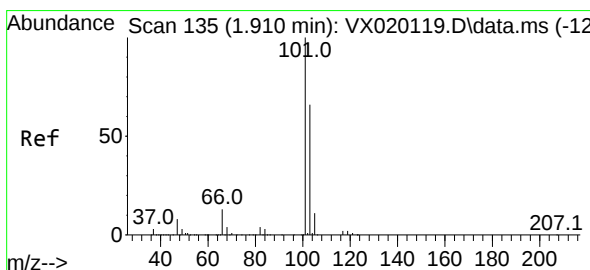
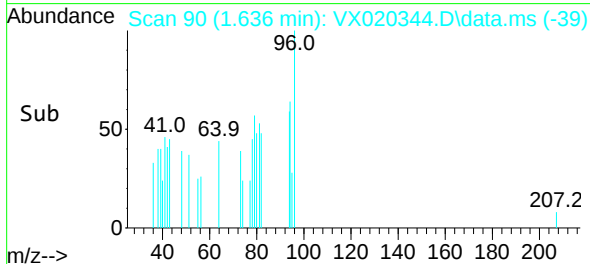
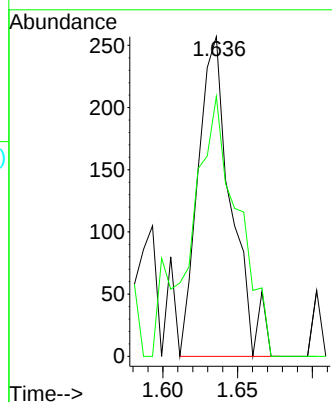
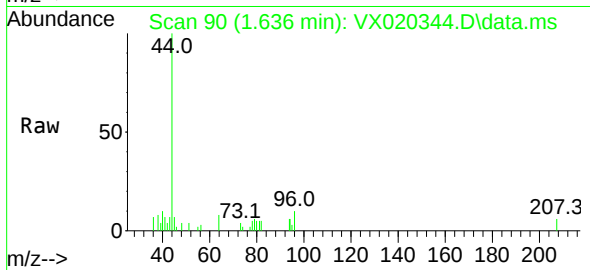
Acq: 23 Dec 2020 17:27

Tgt Ion: 94 Resp: 396

Ion Ratio Lower Upper

94 100

96 81.3 76.4 114.6



#7

Trichlorofluoromethane

Concen: 0.57 ug/l

RT: 1.922 min Scan# 137

Delta R.T. 0.012 min

Lab File: VX020344.D

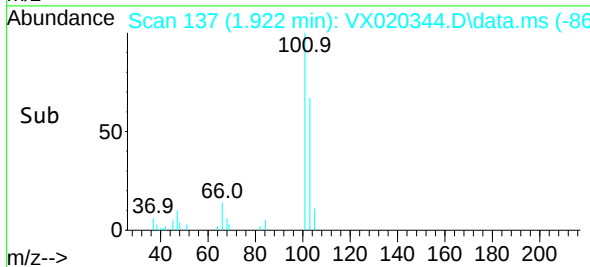
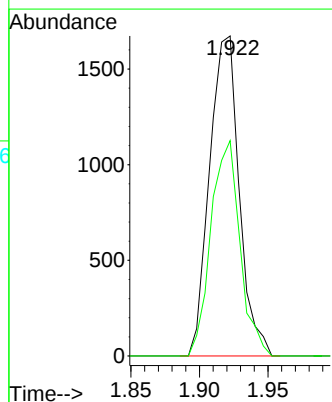
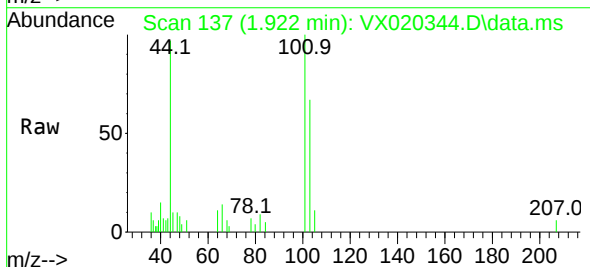
Acq: 23 Dec 2020 17:27

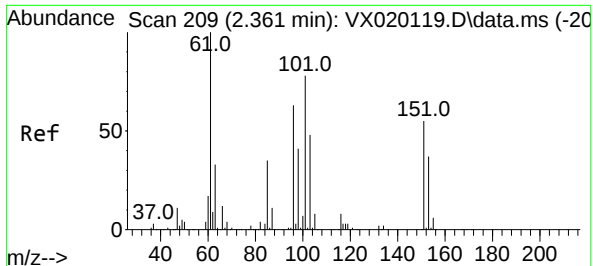
Tgt Ion: 101 Resp: 2516

Ion Ratio Lower Upper

101 100

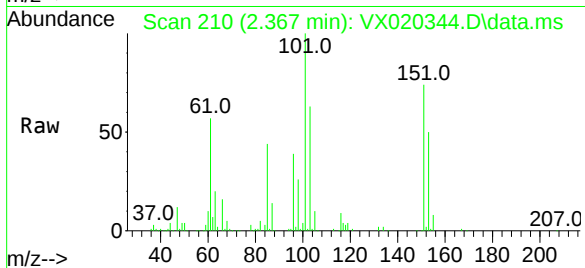
103 67.3 53.2 79.8



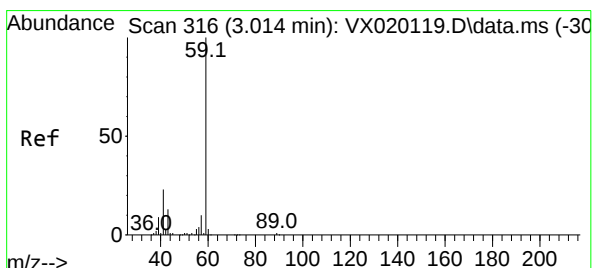
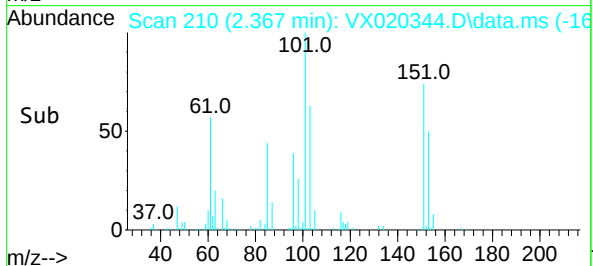
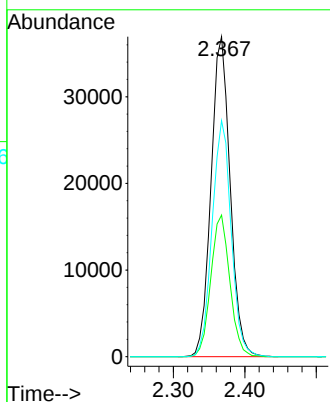


#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.69 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

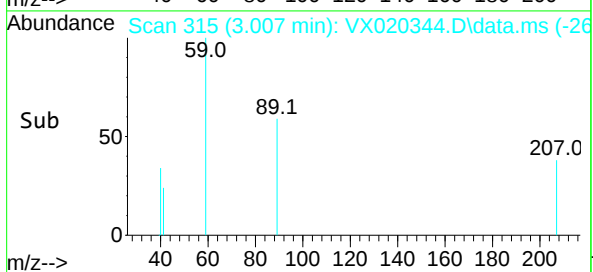
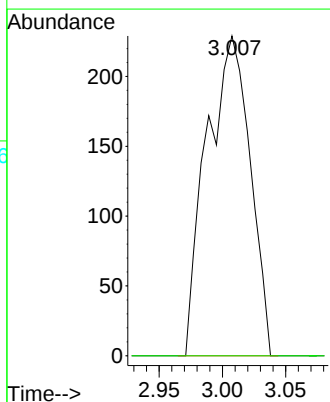
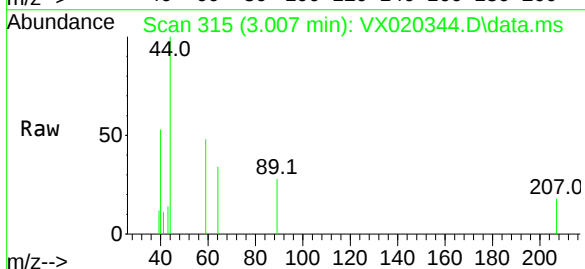


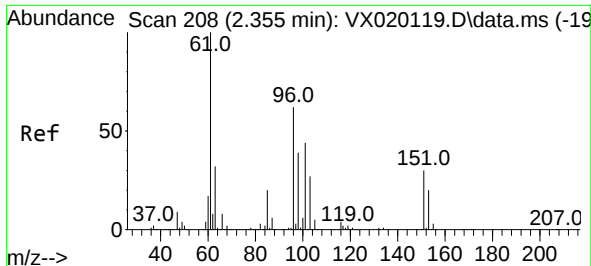
Tgt Ion:101 Resp: 68601
Ion Ratio Lower Upper
101 100
85 44.0 34.9 52.3
151 73.6 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.74 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.007 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 16.95 ug/l

RT: 2.355 min Scan# 208

Delta R.T. 0.000 min

Lab File: VX020344.D

Acq: 23 Dec 2020 17:27

Tgt Ion: 96 Resp: 42981

Ion Ratio Lower Upper

96 100

61 164.1 124.6 187.0

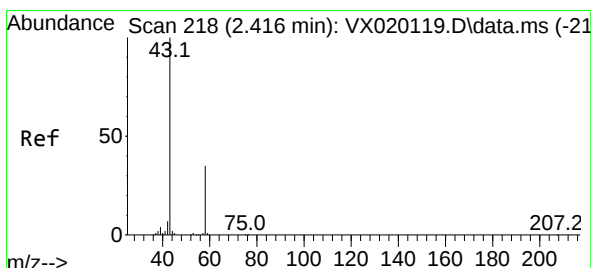
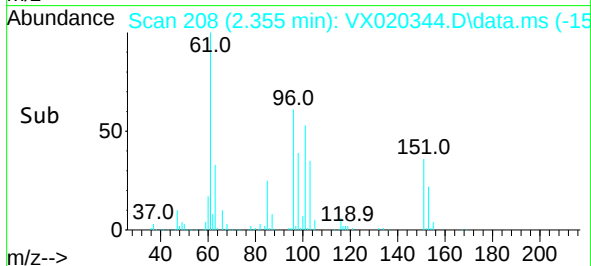
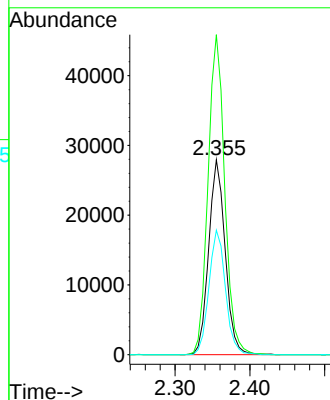
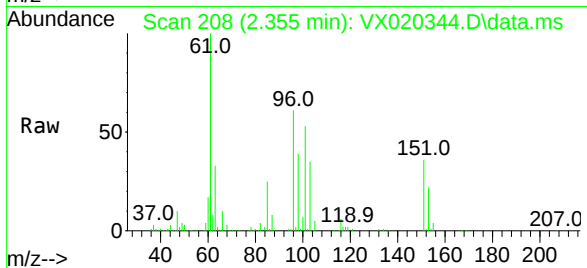
98 63.9 50.6 76.0

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20201214



#16

Acetone

Concen: 0.68 ug/l

RT: 2.422 min Scan# 219

Delta R.T. 0.006 min

Lab File: VX020344.D

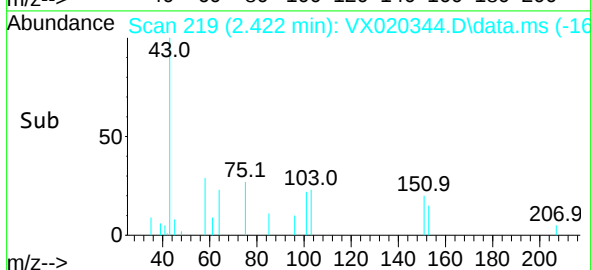
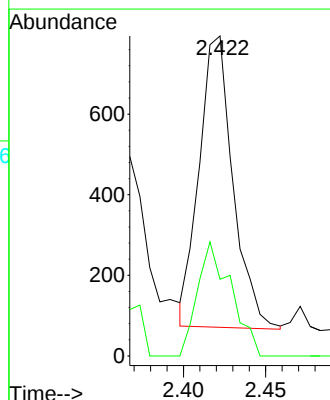
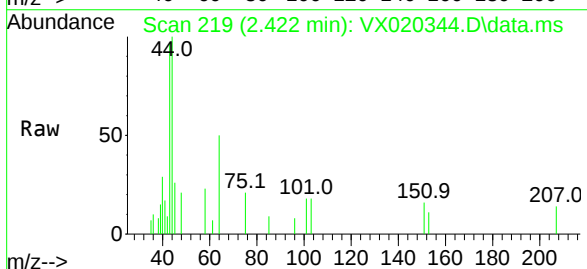
Acq: 23 Dec 2020 17:27

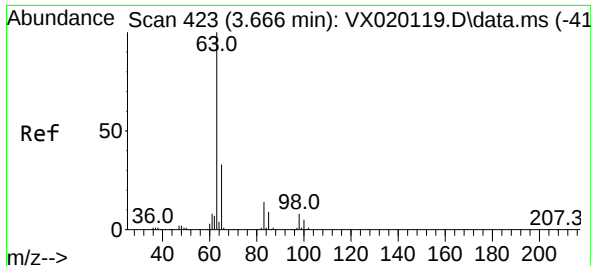
Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

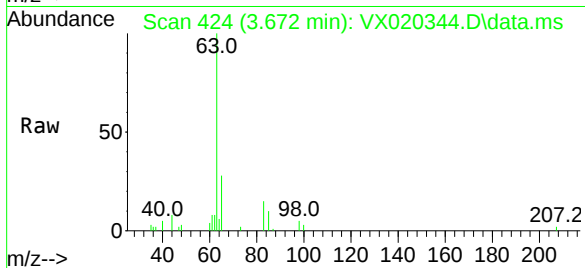
58 26.4 27.8 41.8#



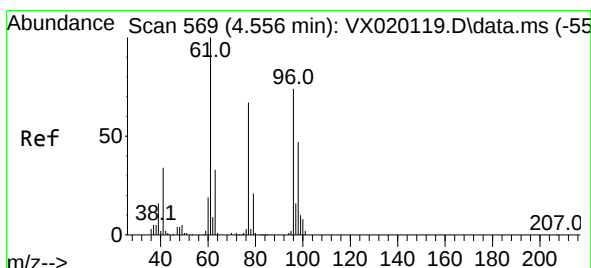
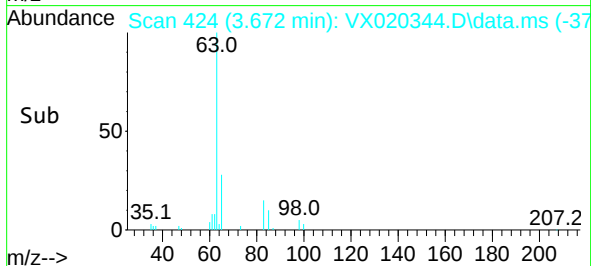
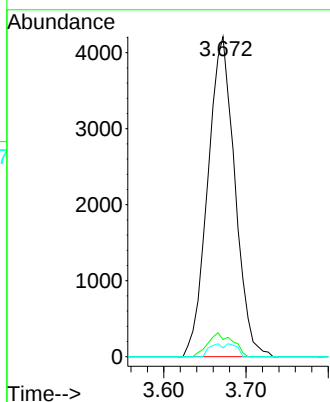


#24
1,1-Dichloroethane
Concen: 1.78 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

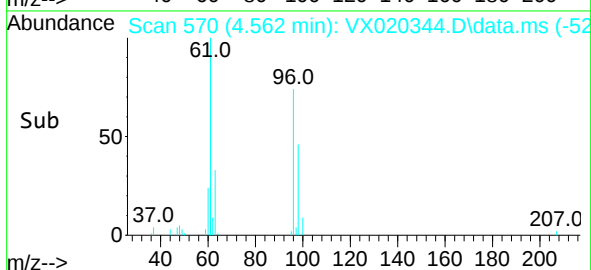
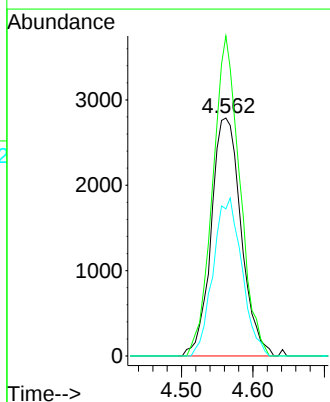
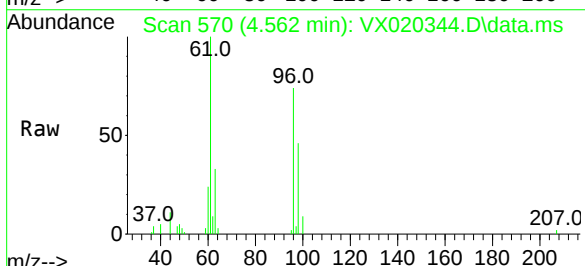


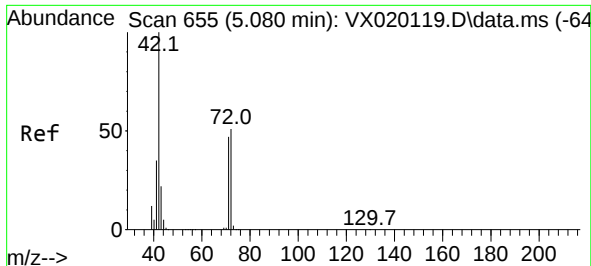
Tgt Ion: 63 Resp: 9640
Ion Ratio Lower Upper
63 100
98 5.4 3.8 11.2
100 2.8 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 2.33 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion: 96 Resp: 8094
Ion Ratio Lower Upper
96 100
61 121.9 0.0 285.6
98 63.8 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.117 min Scan# 661

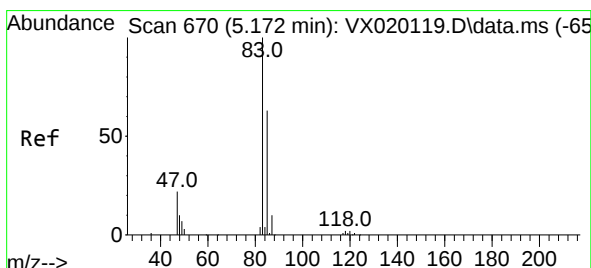
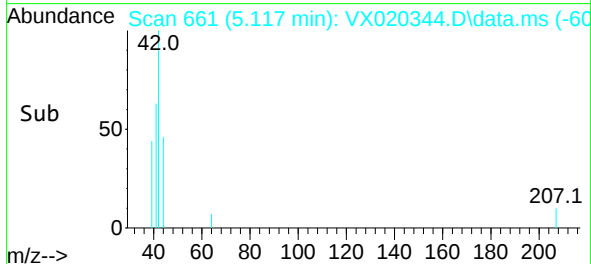
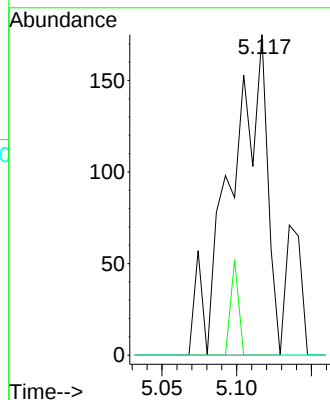
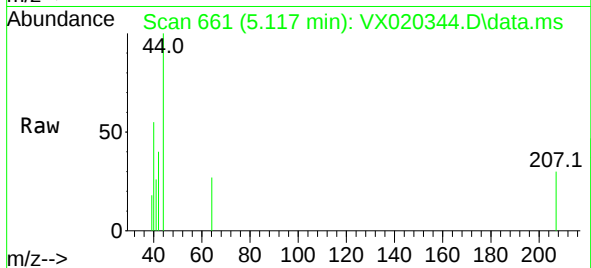
Delta R.T. 0.037 min

Lab File: VX020344.D

Acq: 23 Dec 2020 17:27

Tgt Ion:	42	Resp:	296
Ion	Ratio	Lower	Upper
42	100		
72	6.4	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
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#30

Chloroform

Concen: 0.72 ug/l

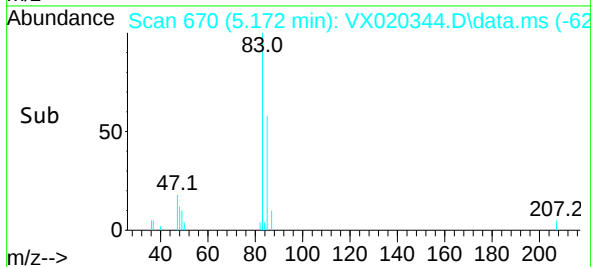
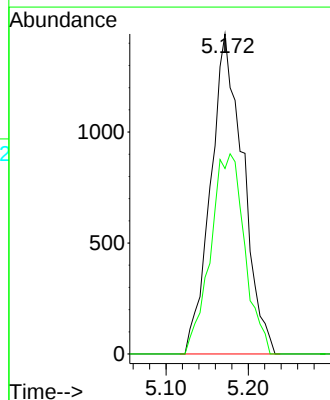
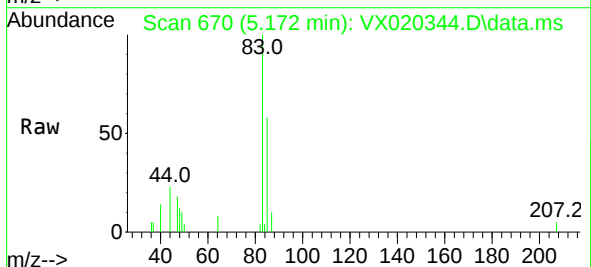
RT: 5.172 min Scan# 670

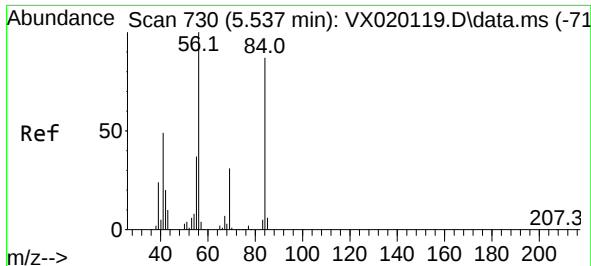
Delta R.T. -0.000 min

Lab File: VX020344.D

Acq: 23 Dec 2020 17:27

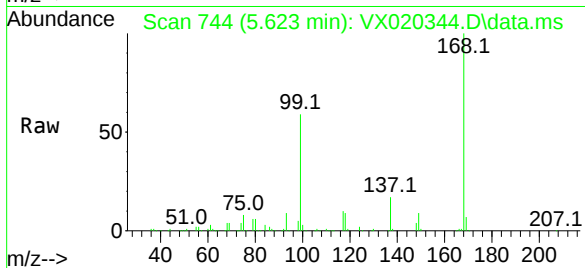
Tgt Ion:	83	Resp:	3956
Ion	Ratio	Lower	Upper
83	100		
85	58.0	52.0	78.0



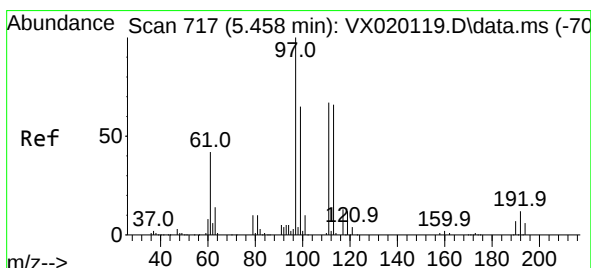
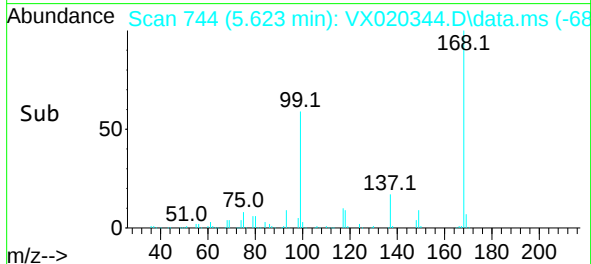
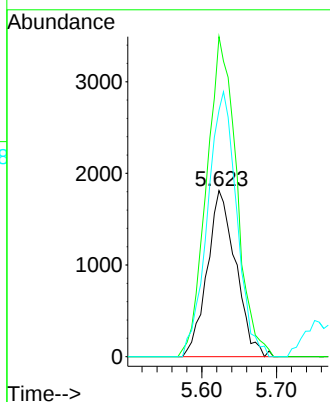


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

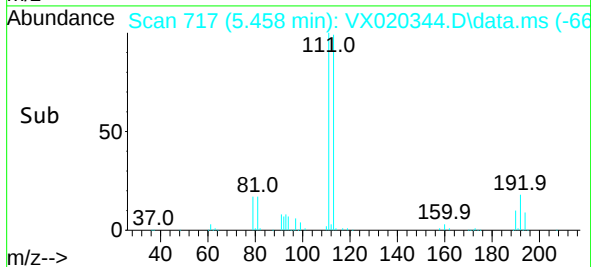
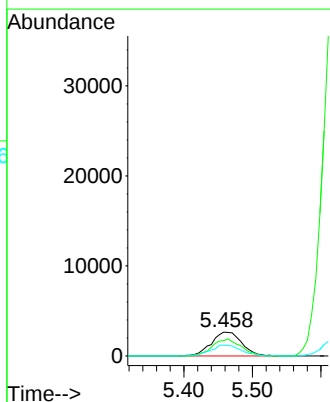
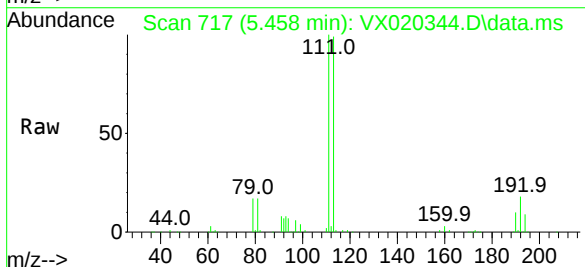


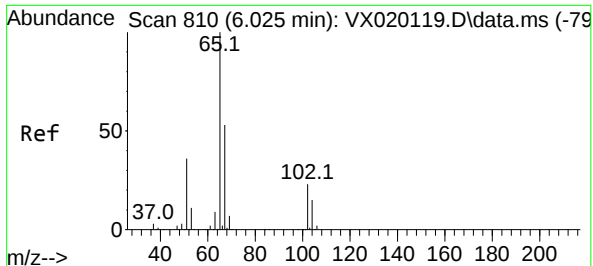
Tgt Ion: 56 Resp: 4806
Ion Ratio Lower Upper
56 100
69 192.6 25.3 37.9#
84 148.3 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 1.78 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion: 97 Resp: 8191
Ion Ratio Lower Upper
97 100
99 66.2 51.5 77.3
61 44.9 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 50.36 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020344.D

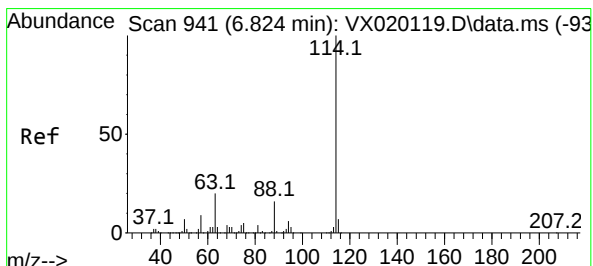
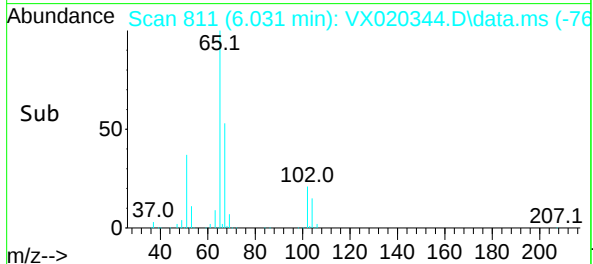
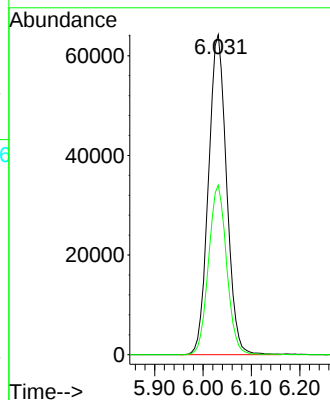
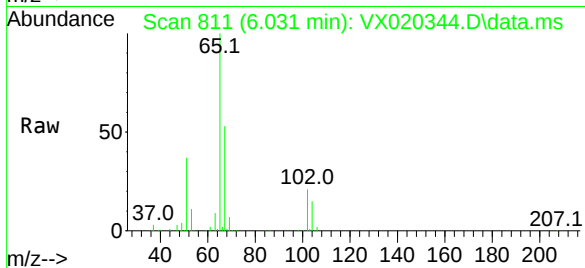
Acq: 23 Dec 2020 17:27

Tgt Ion: 65 Resp: 167548

Ion Ratio Lower Upper

65 100

67 52.6 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: VX020344.D

Acq: 23 Dec 2020 17:27

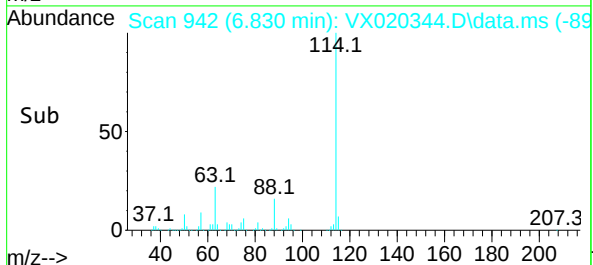
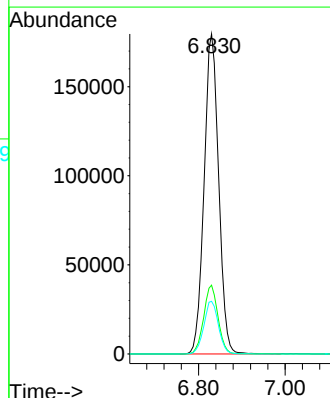
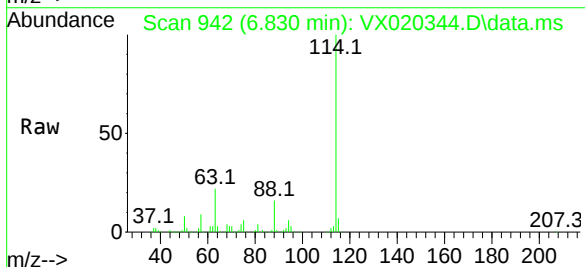
Tgt Ion: 114 Resp: 418228

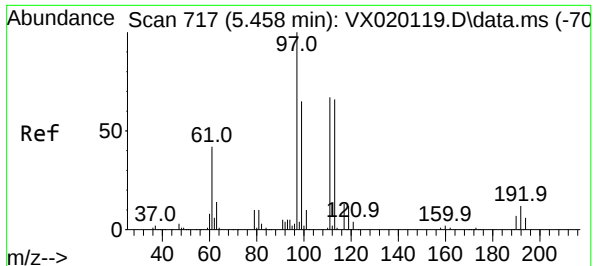
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

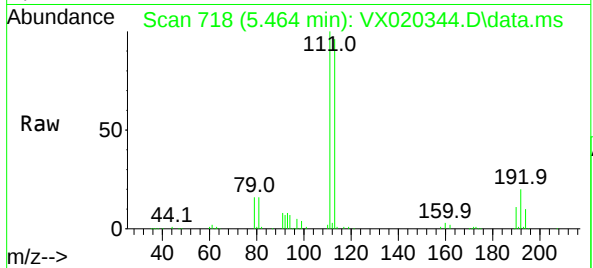
88 16.5 0.0 32.8



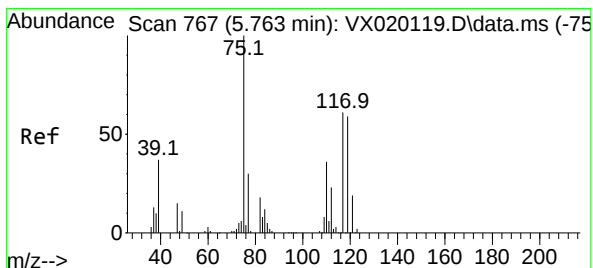
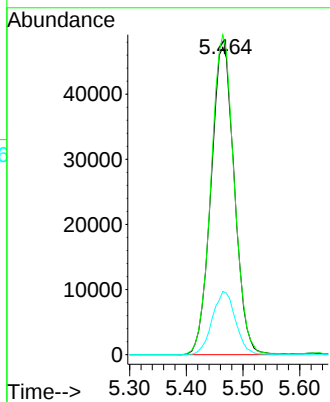
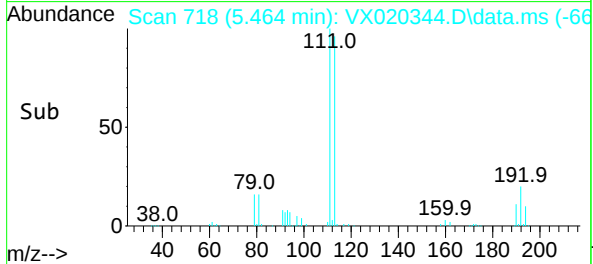


#35
Dibromofluoromethane
Concen: 50.85 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

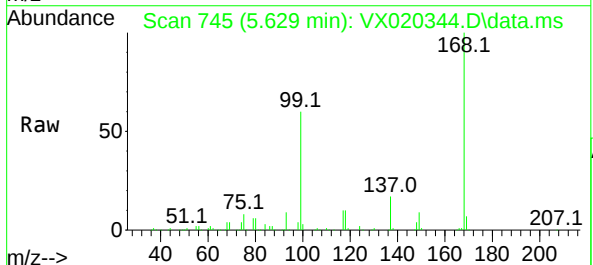
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214



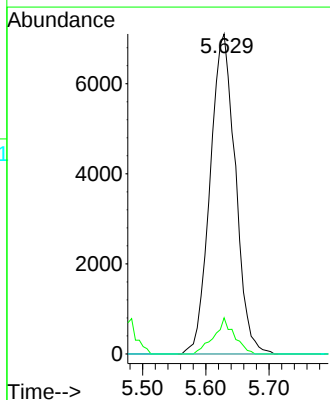
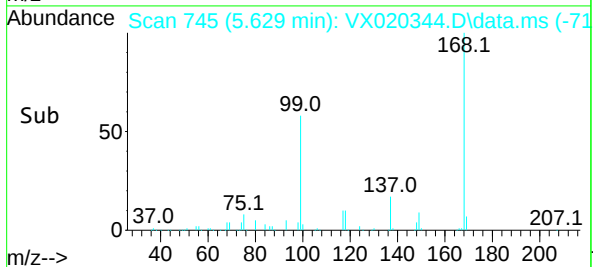
Tgt Ion:113 Resp: 136053
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 20.3 16.7 25.1

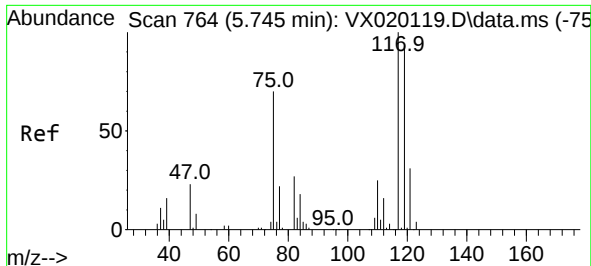


#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27



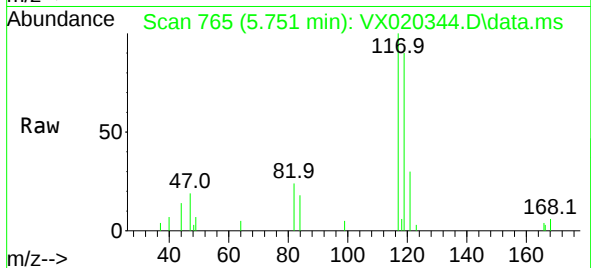
Tgt Ion: 75 Resp: 19699
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



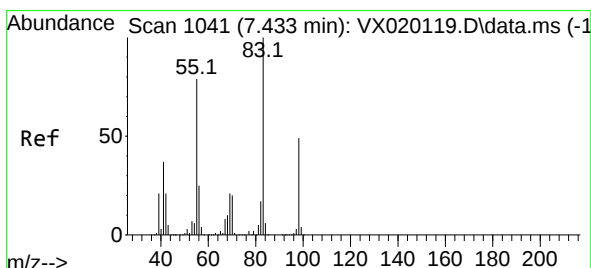
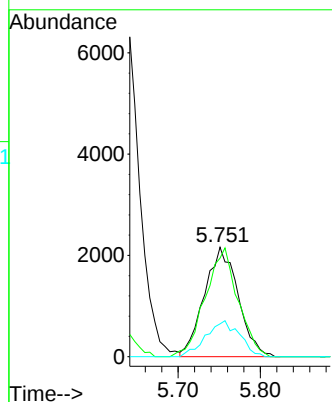
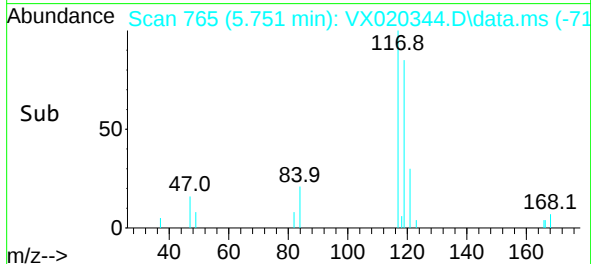


#38
Carbon Tetrachloride
Concen: 1.57 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

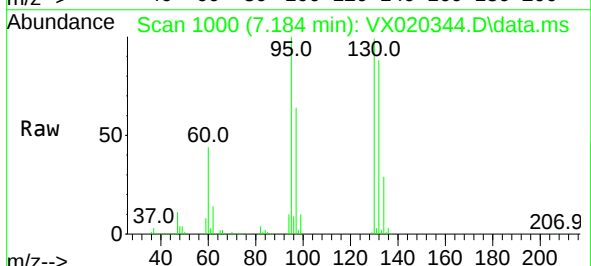
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214



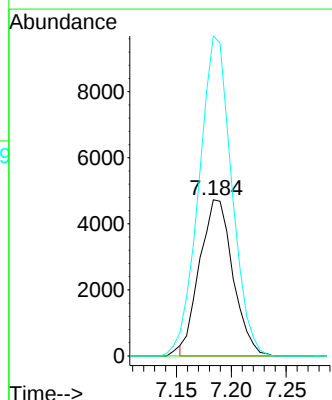
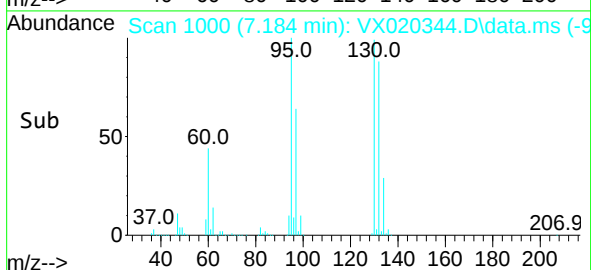
Tgt Ion:117 Resp: 6161
Ion Ratio Lower Upper
117 100
119 90.1 76.2 114.2
121 30.0 24.8 37.2

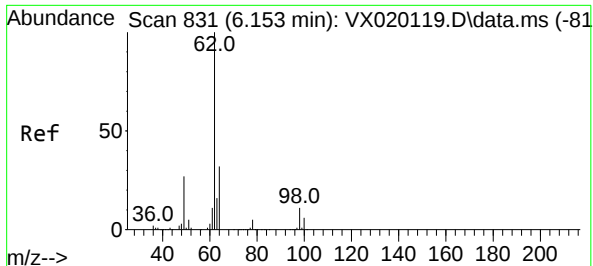


#39
Methylcyclohexane
Concen: 2.09 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27



Tgt Ion: 83 Resp: 9961
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 204.8 38.1 57.1#

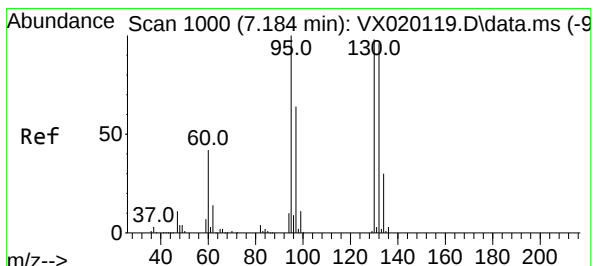
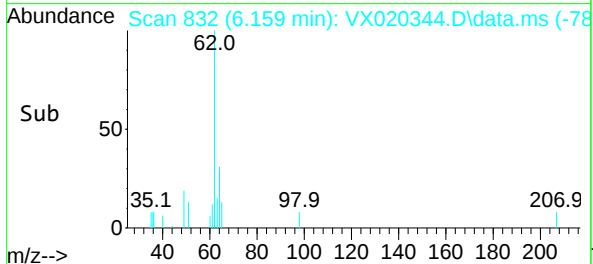
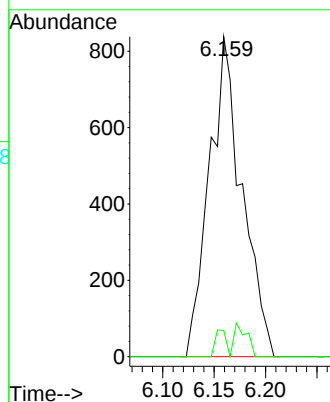
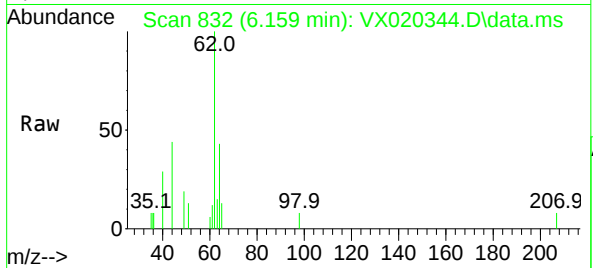




#42
1,2-Dichloroethane
Concen: 0.42 ug/l
RT: 6.159 min Scan# 832
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

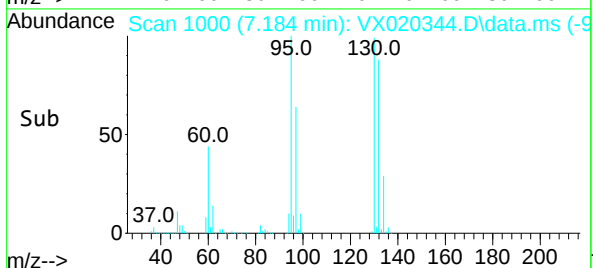
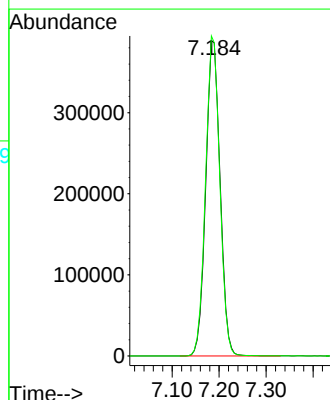
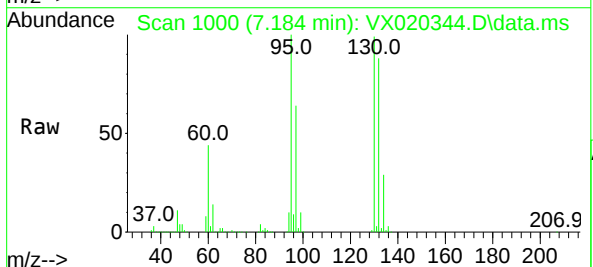
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

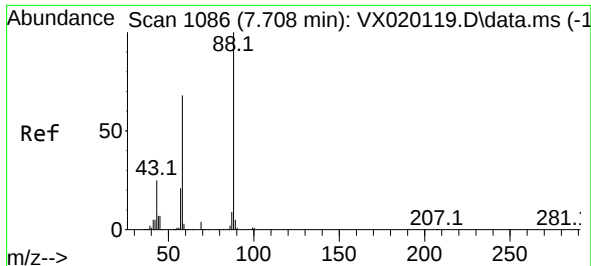
Tgt Ion: 62 Resp: 1852
Ion Ratio Lower Upper
62 100
98 2.8 0.0 20.2



#44
Trichloroethene
Concen: 247.46 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion:130 Resp: 823058
Ion Ratio Lower Upper
130 100
95 101.5 0.0 198.0





#49

1,4-Dioxane

Concen: 14.59 ug/l

RT: 7.720 min Scan# 1088

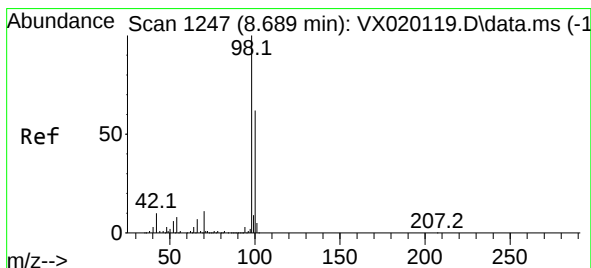
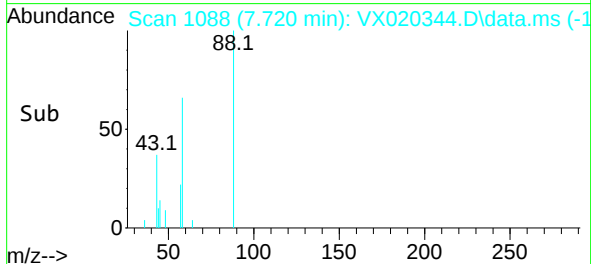
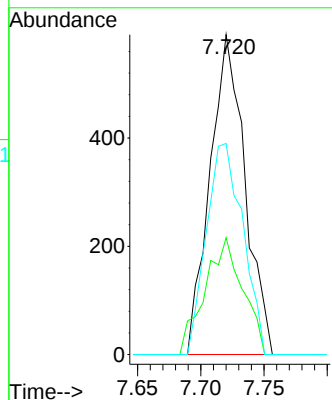
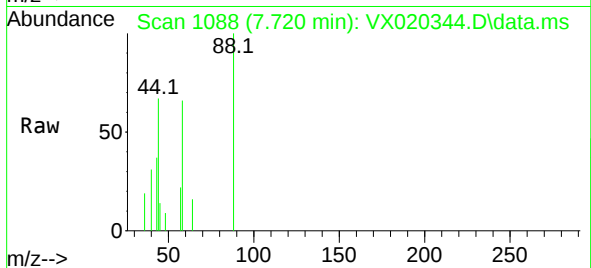
Delta R.T. 0.012 min

Lab File: VX020344.D

Acq: 23 Dec 2020 17:27

Tgt Ion: 88 Resp: 1135

Ion	Ratio	Lower	Upper
88	100		
43	39.6	23.2	34.8#
58	68.9	55.0	82.4



#50

Toluene-d8

Concen: 50.32 ug/l

RT: 8.695 min Scan# 1248

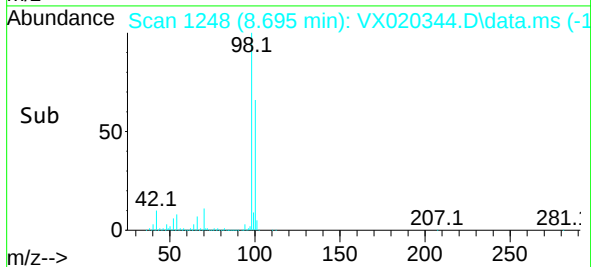
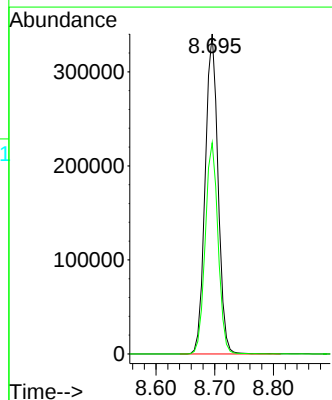
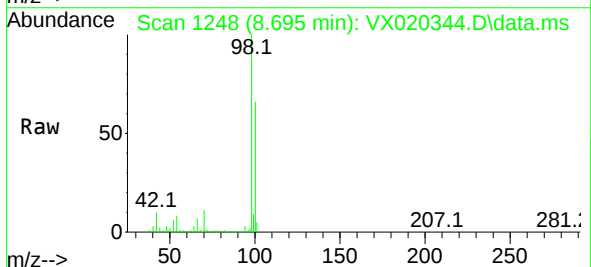
Delta R.T. 0.006 min

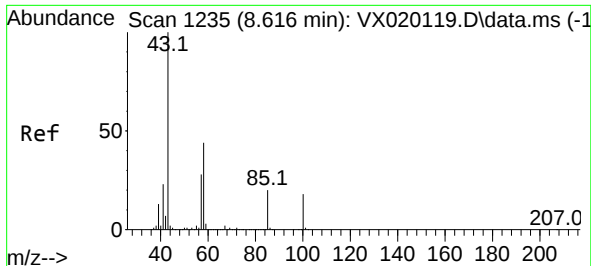
Lab File: VX020344.D

Acq: 23 Dec 2020 17:27

Tgt Ion: 98 Resp: 518238

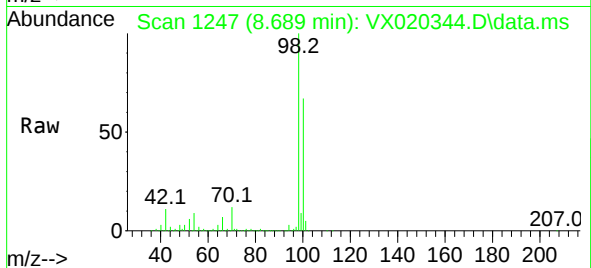
Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.9	77.9



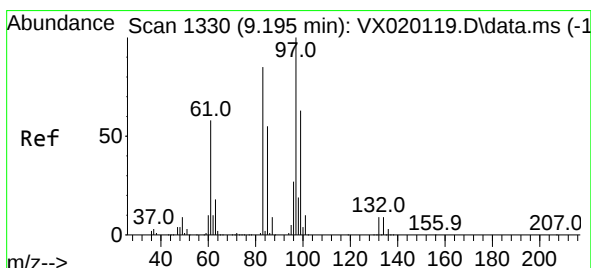
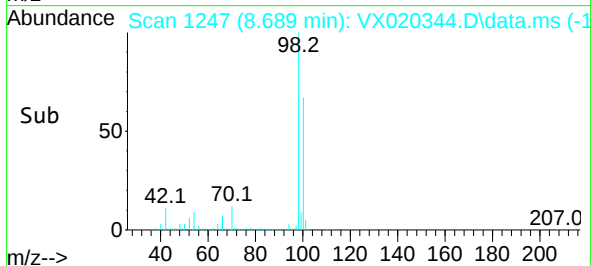
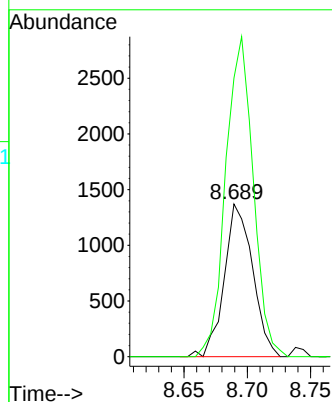


#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

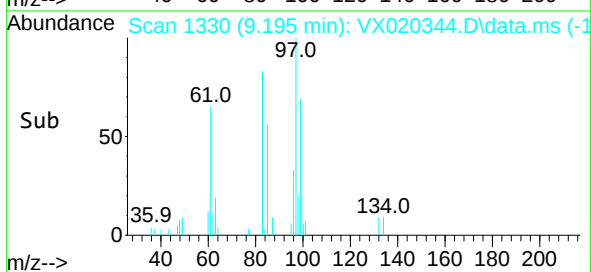
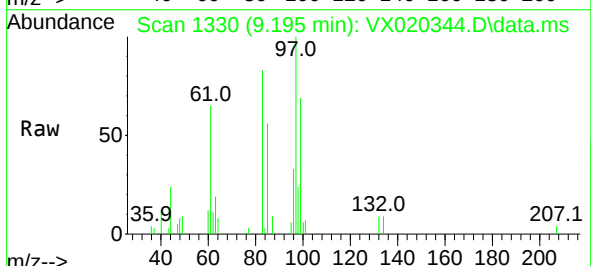
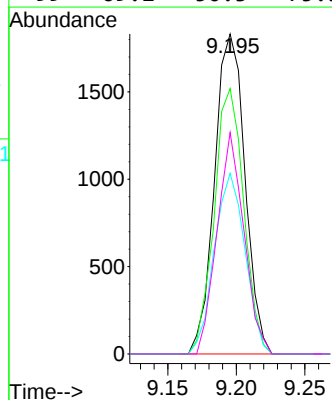


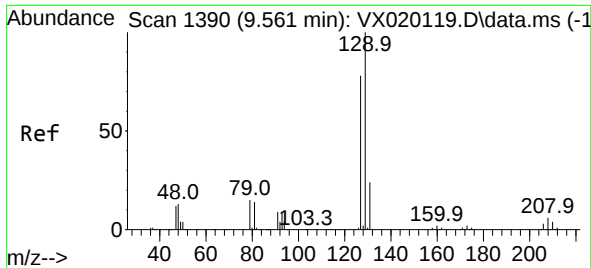
Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
58 203.2 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.87 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion: 97 Resp: 2820
Ion Ratio Lower Upper
97 100
83 83.0 69.3 103.9
85 56.4 44.3 66.5
99 69.2 50.3 75.5

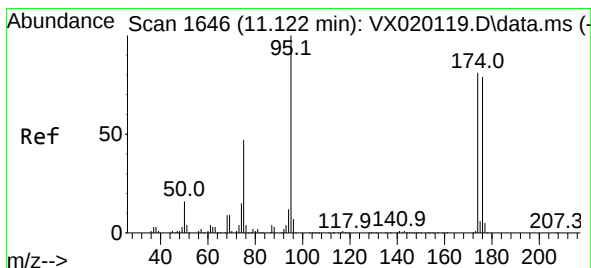
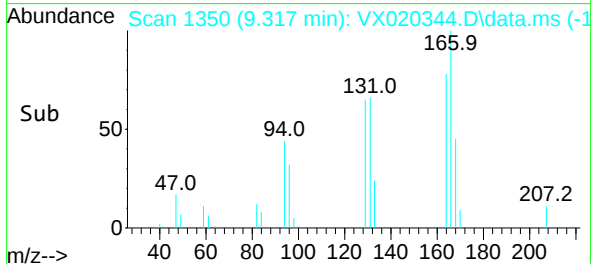
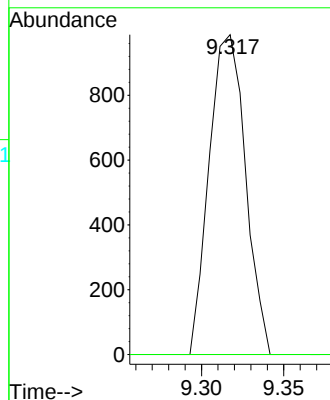
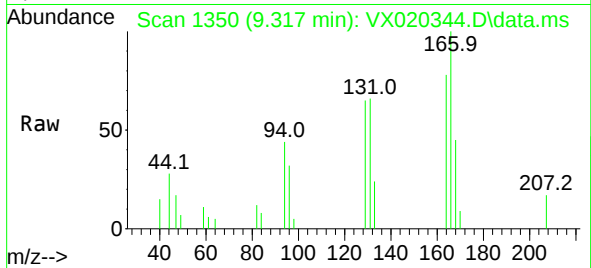




#60
Dibromochloromethane
Concen: 0.47 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

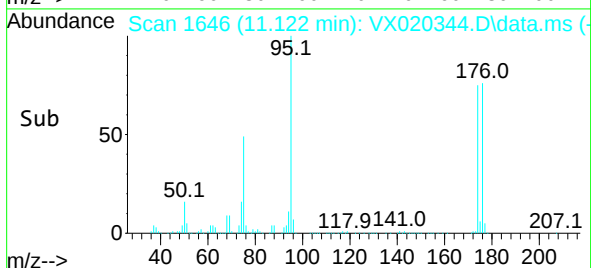
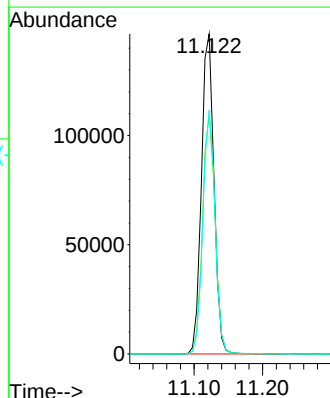
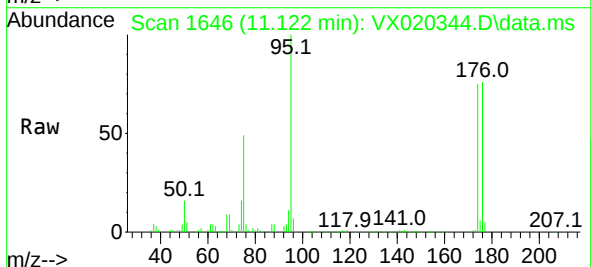
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

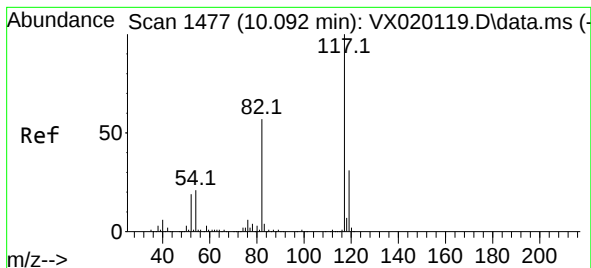
Tgt Ion:129 Resp: 1521
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.31 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion: 95 Resp: 186455
Ion Ratio Lower Upper
95 100
174 75.5 0.0 154.6
176 74.1 0.0 155.8

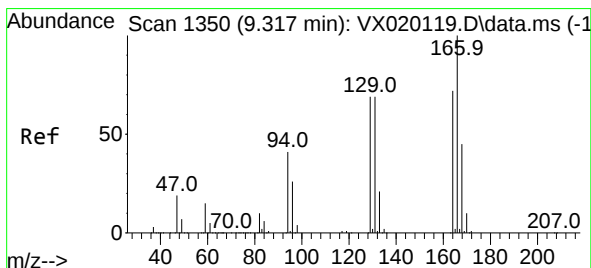
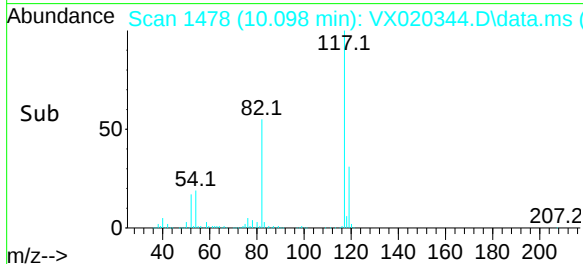
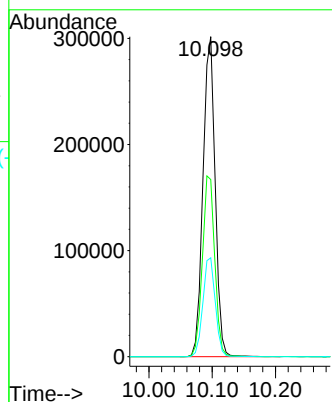
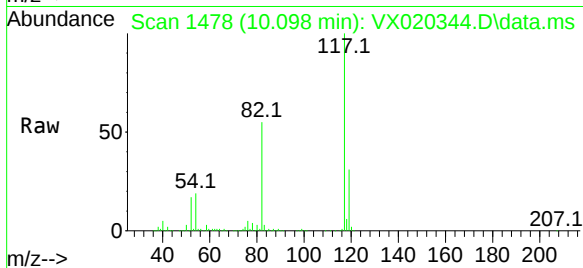




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

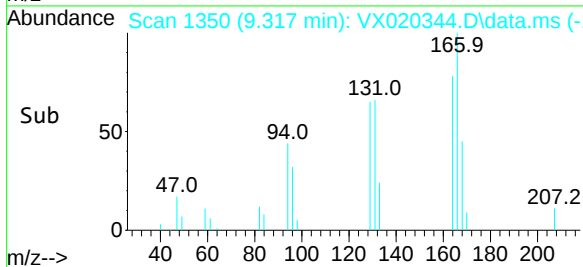
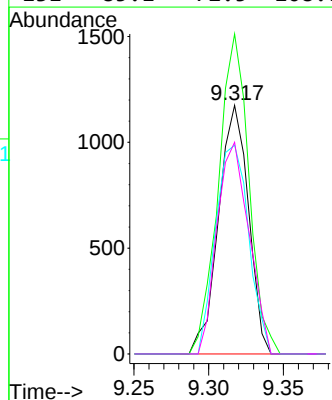
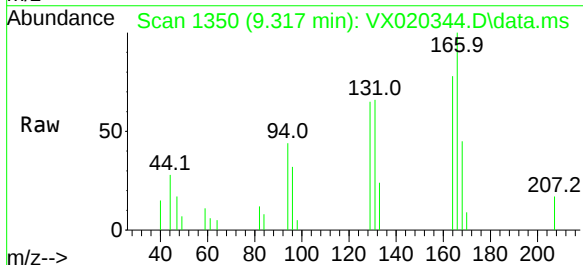
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214

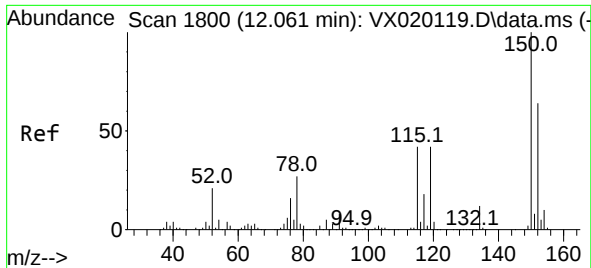
Tgt Ion:117 Resp: 403544
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 30.9 26.6 39.8



#64
Tetrachloroethene
Concen: 0.54 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Tgt Ion:164 Resp: 1632
Ion Ratio Lower Upper
164 100
166 128.7 103.4 155.2
129 84.0 70.8 106.2
131 85.1 72.5 108.7

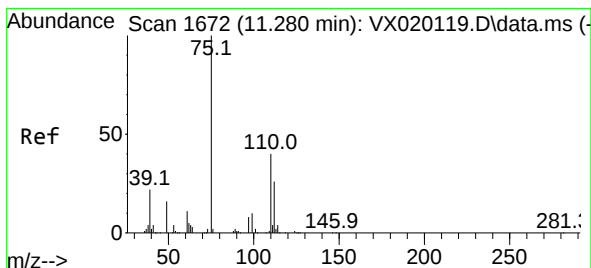
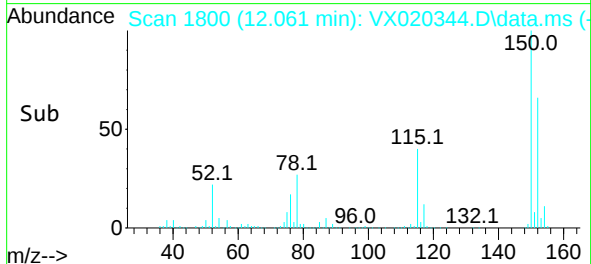
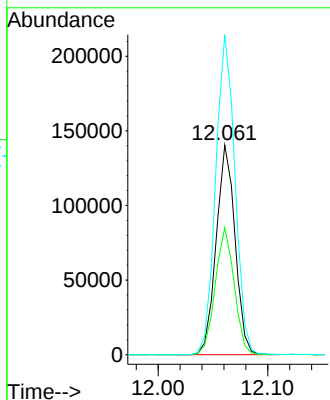
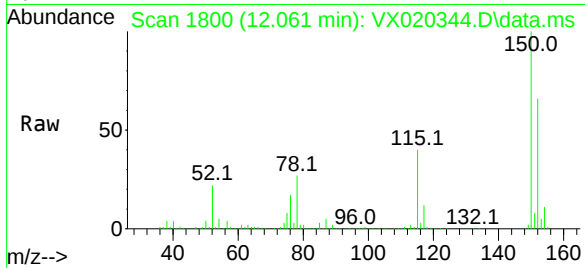




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020344.D
 Acq: 23 Dec 2020 17:27

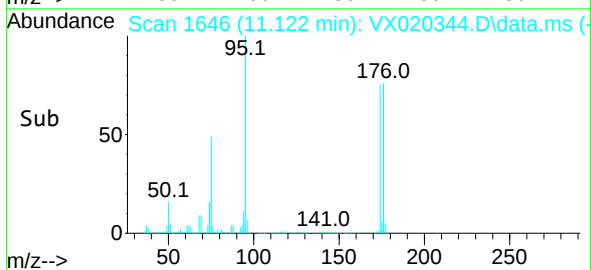
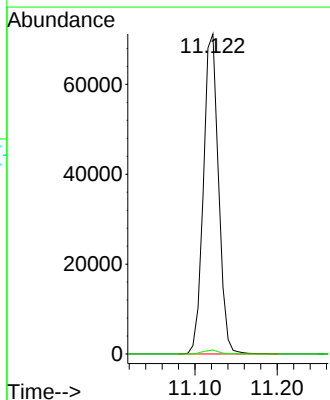
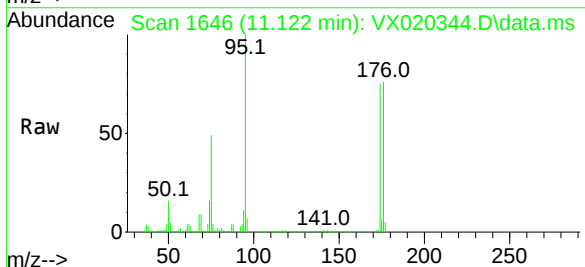
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20201214

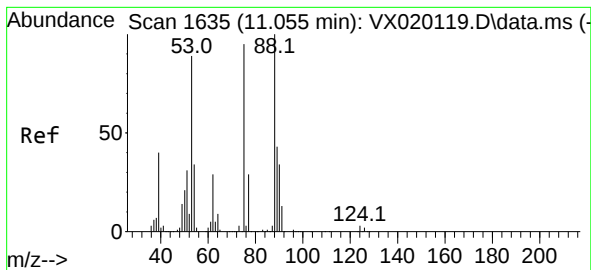
Tgt Ion:152 Resp: 168125
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 156.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.92 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020344.D
 Acq: 23 Dec 2020 17:27

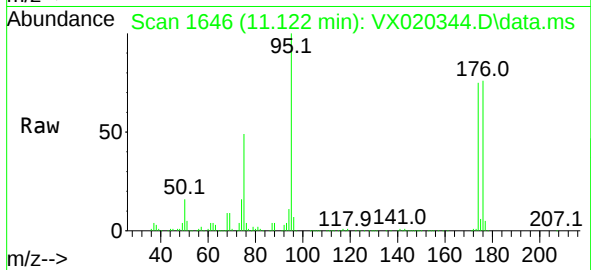
Tgt Ion: 75 Resp: 90798
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.05 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020344.D
Acq: 23 Dec 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20201214



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

