

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020307.D
 Acq On : 22 Dec 2020 16:40
 Operator : JC/MD
 Sample : L5123-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20201213

Quant Time: Dec 23 00:32:33 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)

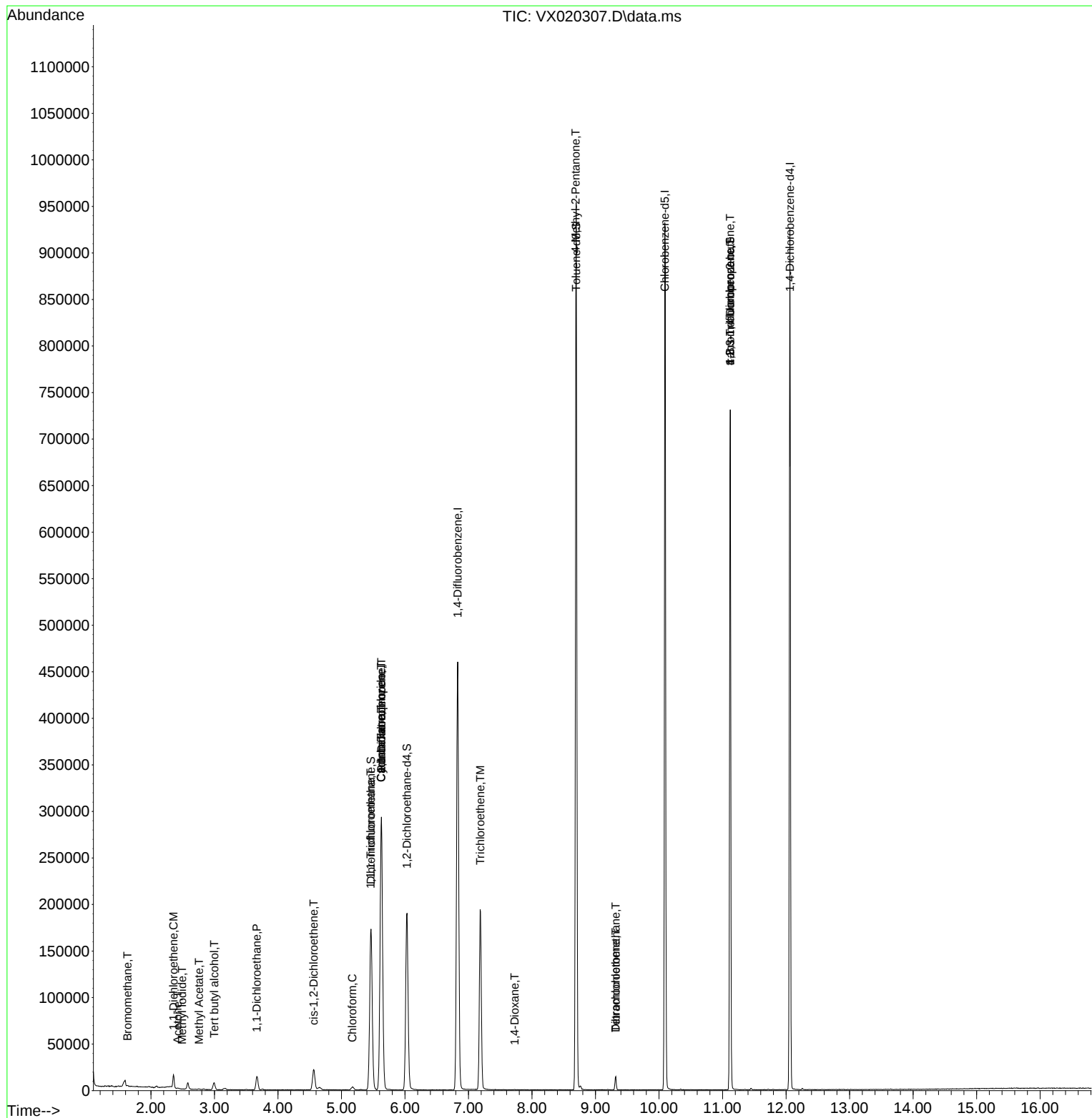
Internal Standards						
1) Pentafluorobenzene	5.629	168	278132	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	470964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	430531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	186493	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	182587	48.97	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.94%
35) Dibromofluoromethane	5.464	113	145716	48.37	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.74%
50) Toluene-d8	8.696	98	564069	48.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.28%
62) 4-Bromofluorobenzene	11.122	95	203804	45.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.84%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	371	0.30	ug/l	87
10) Methyl Iodide	2.489	142	65	3.30	ug/l #	42
11) Tert butyl alcohol	2.995	59	4406	5.28	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	4676	1.65	ug/l	94
16) Acetone	2.416	43	1024	0.60	ug/l	99
18) Methyl Acetate	2.758	43	947	0.25	ug/l #	88
24) 1,1-Dichloroethane	3.666	63	16808	2.77	ug/l	98
27) cis-1,2-Dichloroethene	4.562	96	14551	3.74	ug/l	90
30) Chloroform	5.172	83	3851	0.62	ug/l #	82
31) Cyclohexane	5.623	56	5404	1.05	ug/l #	1
32) 1,1,1-Trichloroethane	5.458	97	4718	0.92	ug/l #	50
36) 1,1-Dichloropropene	5.629	75	21471	4.61	ug/l #	48
38) Carbon Tetrachloride	5.623	117	27368	6.18	ug/l #	16
44) Trichloroethene	7.184	130	75958	20.28	ug/l	98
49) 1,4-Dioxane	7.726	88	106	1.21	ug/l #	1
51) 4-Methyl-2-Pentanone	8.689	43	2365	0.50	ug/l #	1
60) Dibromochloromethane	9.317	129	2606	0.72	ug/l #	11
64) Tetrachloroethene	9.317	164	2801	0.86	ug/l	91
76) 1,2,3-Trichloropropane	11.122	75	99442	21.65	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	99442	64.22	ug/l #	12

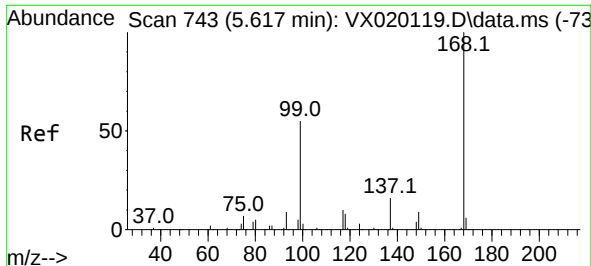
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

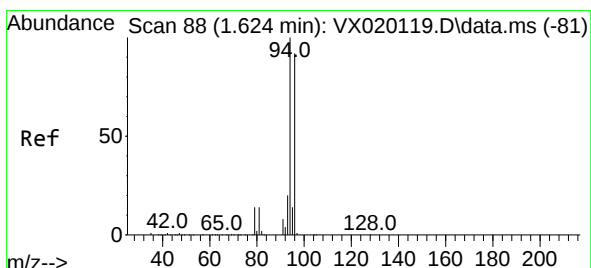
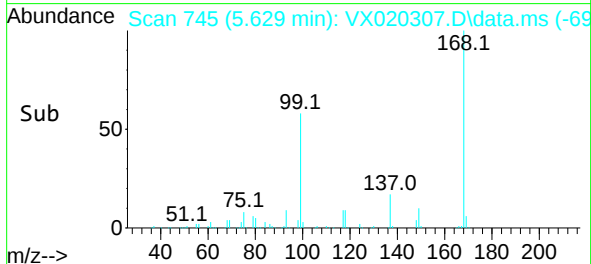
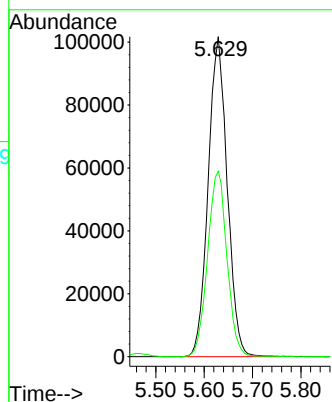
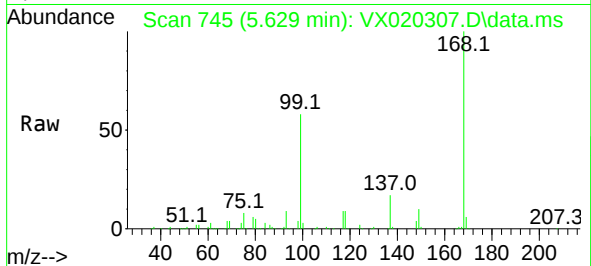




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

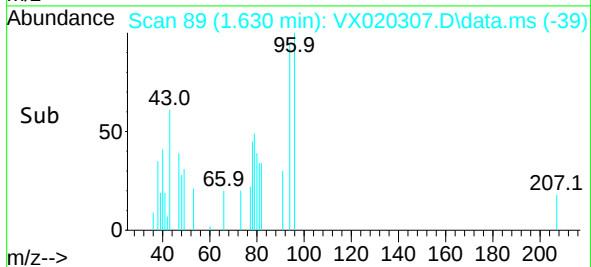
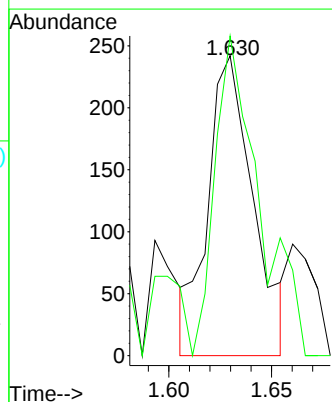
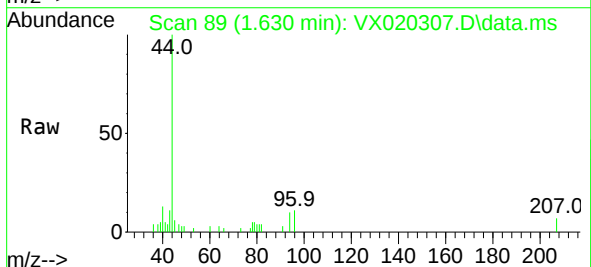
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

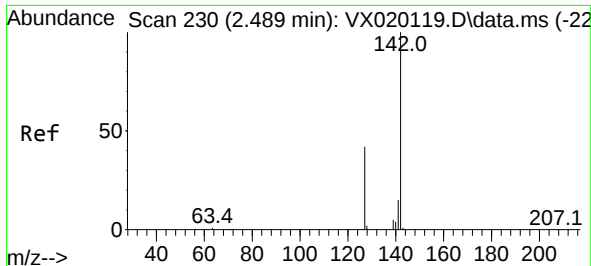
Tgt Ion:168 Resp: 278132
Ion Ratio Lower Upper
168 100
99 58.0 45.8 68.6



#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

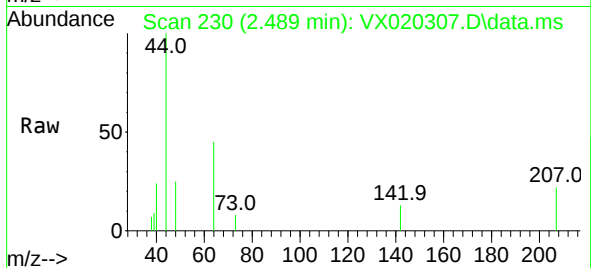
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 108.0 76.4 114.6



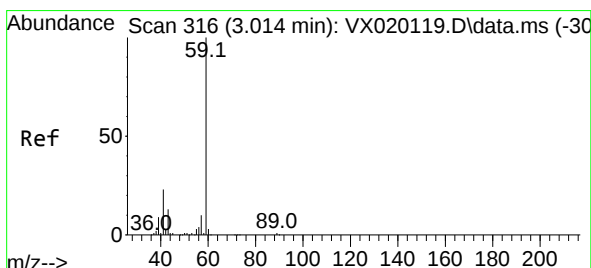
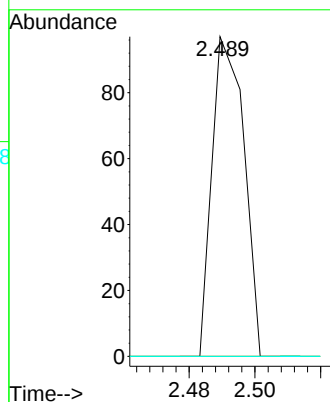
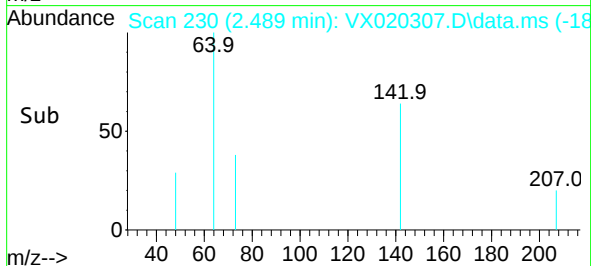


#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

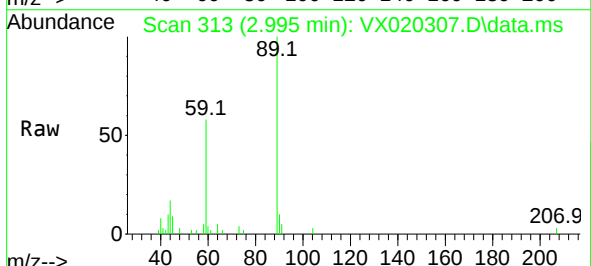
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213



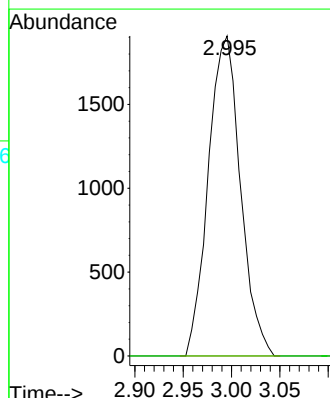
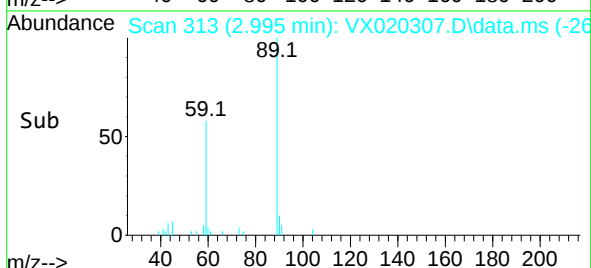
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

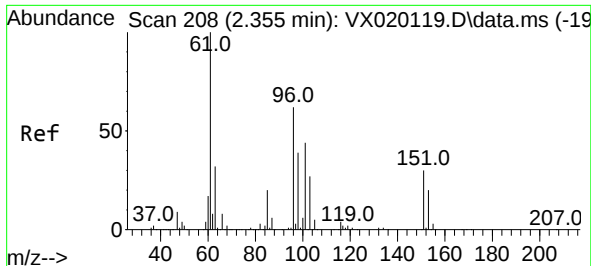


#11
Tert butyl alcohol
Concen: 5.28 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40



Tgt Ion: 59 Resp: 4406
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

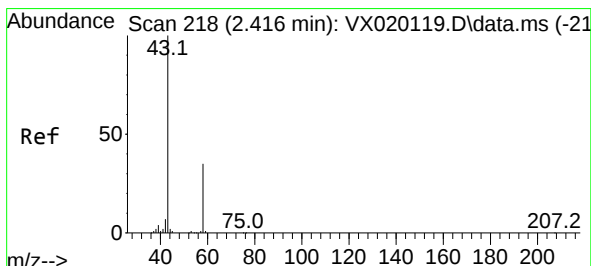
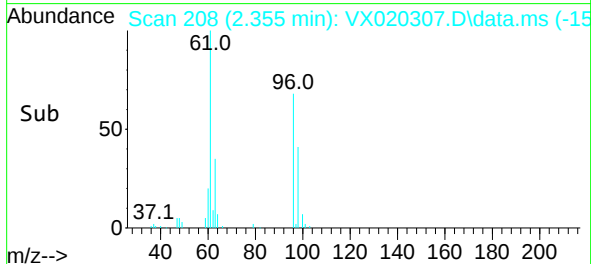
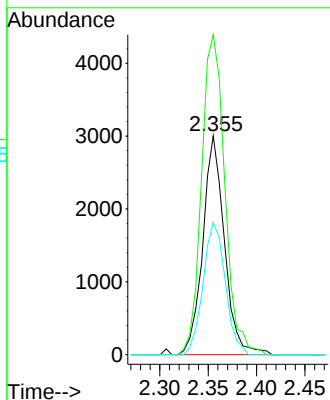
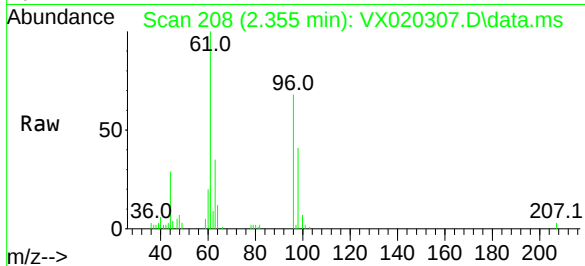




#12
1,1-Dichloroethene
Concen: 1.65 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

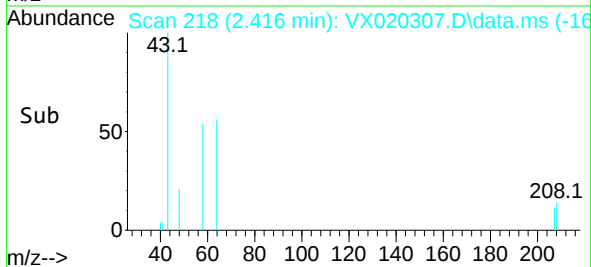
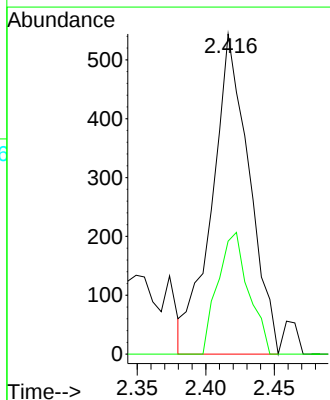
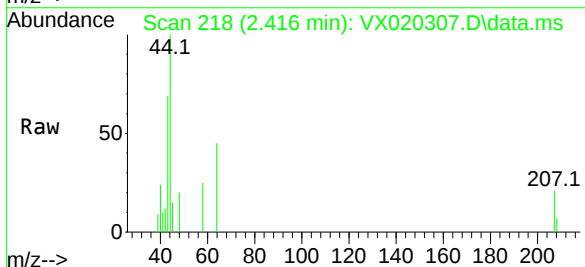
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

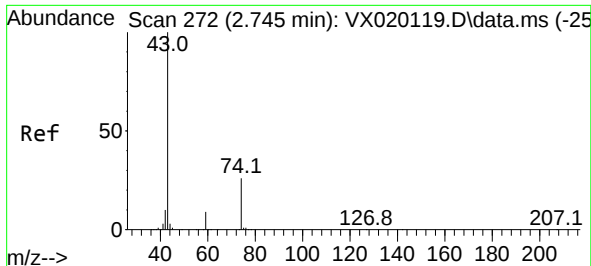
Tgt Ion: 96 Resp: 4676
Ion Ratio Lower Upper
96 100
61 146.2 124.6 187.0
98 60.5 50.6 76.0



#16
Acetone
Concen: 0.60 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 35.3 27.8 41.8

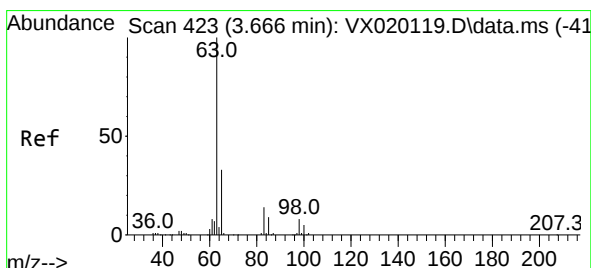
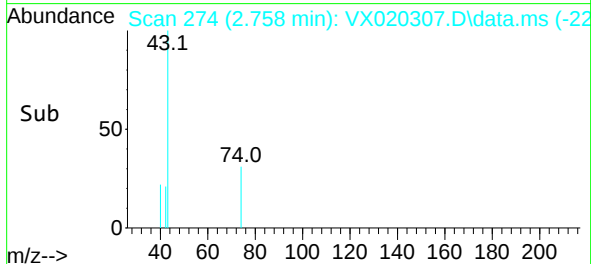
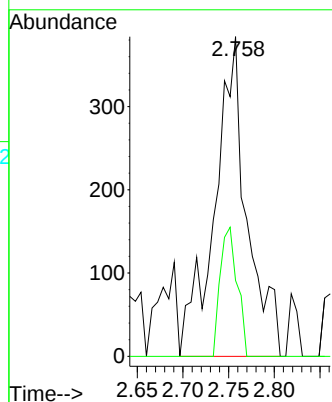
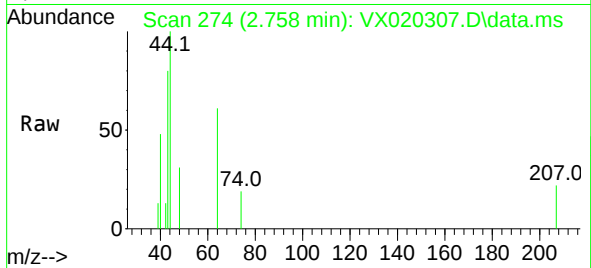




#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.758 min Scan# 274
Delta R.T. 0.013 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

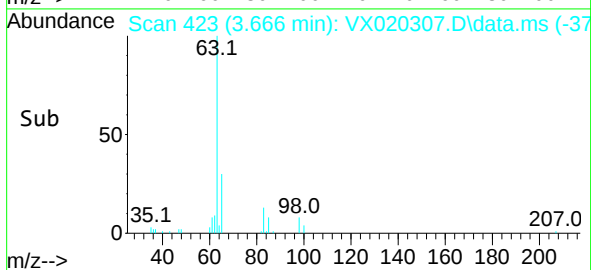
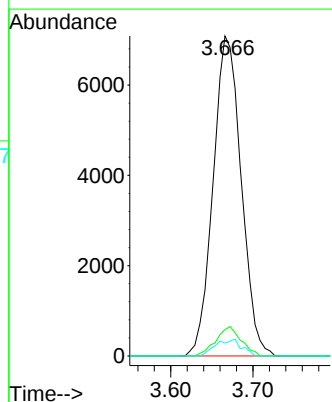
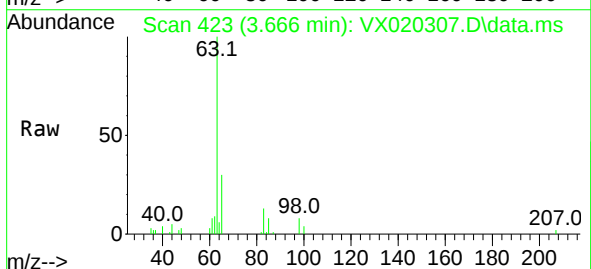
Instrument :
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ClientSampleId :
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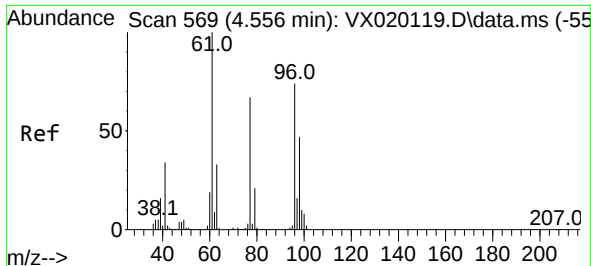
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
74 21.1 21.9 32.9#



#24
1,1-Dichloroethane
Concen: 2.77 ug/l
RT: 3.666 min Scan# 423
Delta R.T. -0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 63 Resp: 16808
Ion Ratio Lower Upper
63 100
98 8.3 3.8 11.2
100 4.0 2.5 7.5

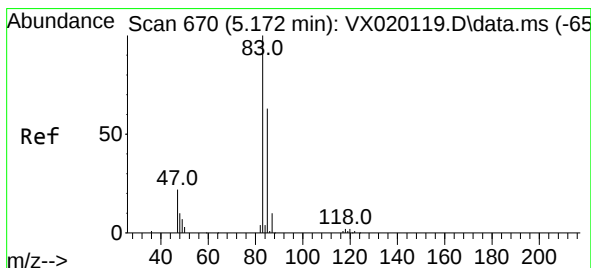
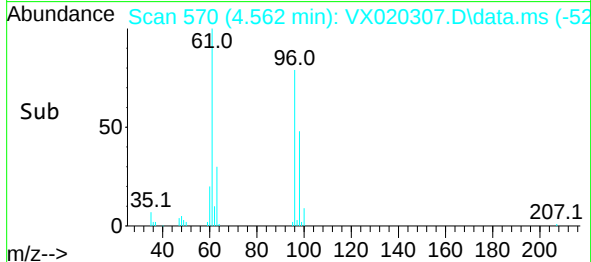
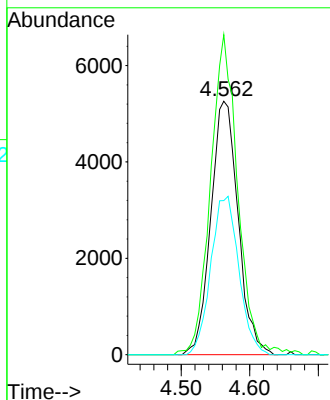
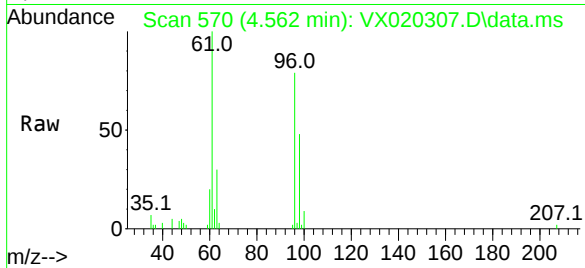




#27
cis-1,2-Dichloroethene
Concen: 3.74 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

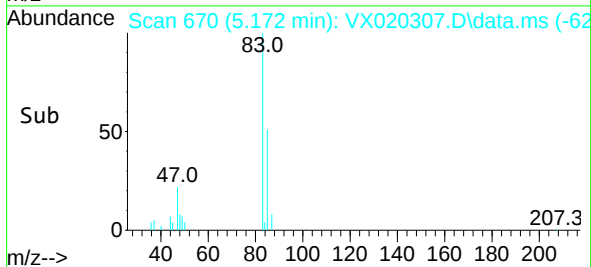
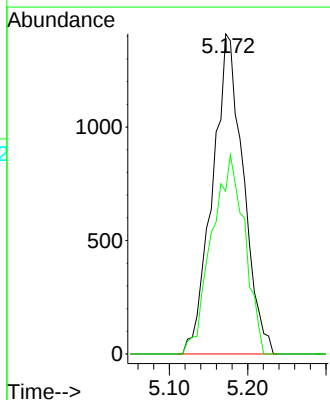
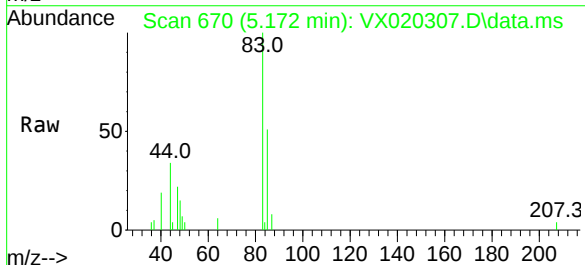
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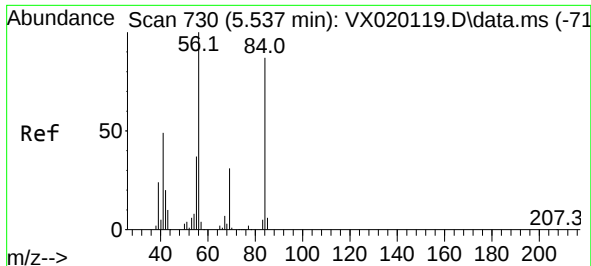
Tgt Ion:	96	Resp:	14551
Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	285.6
98	64.1	0.0	129.6



#30
Chloroform
Concen: 0.62 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

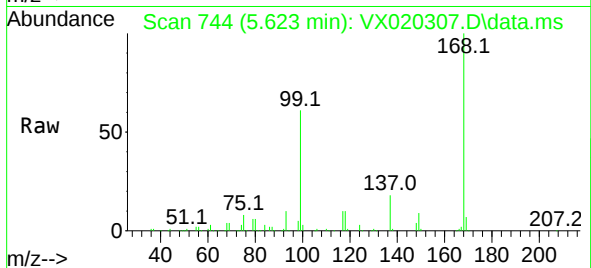
Tgt Ion:	83	Resp:	3851
Ion	Ratio	Lower	Upper
83	100		
85	50.9	52.0	78.0#



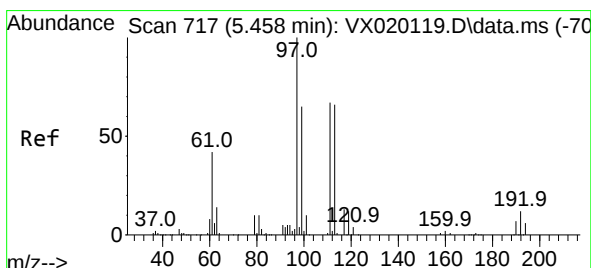
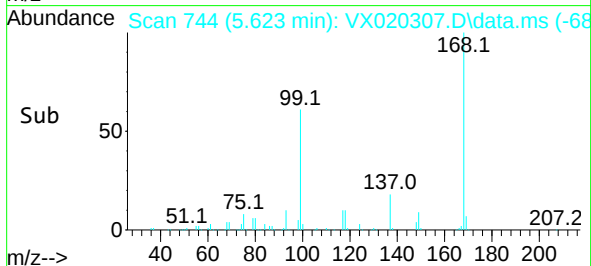
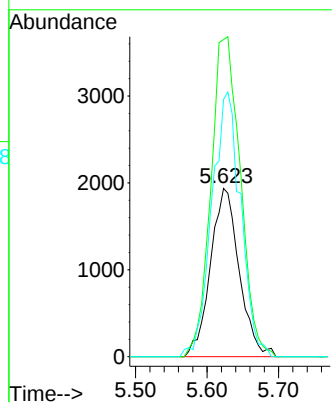


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

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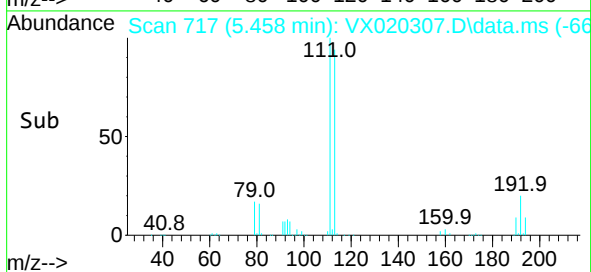
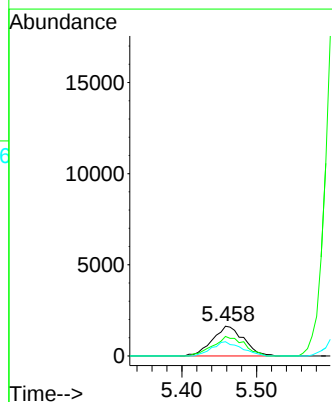
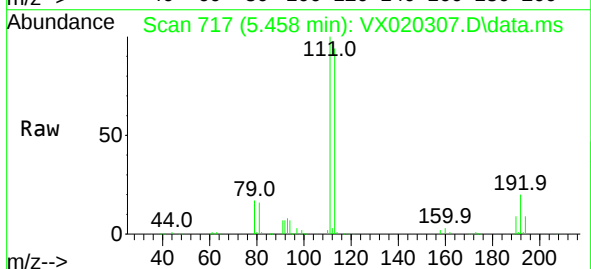


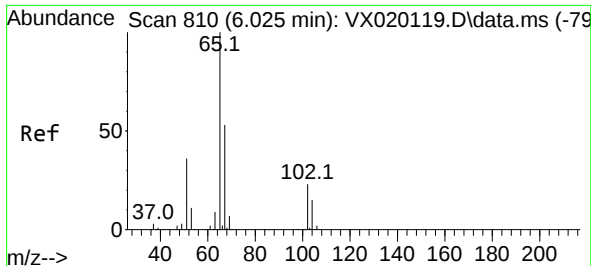
Tgt Ion: 56 Resp: 5404
Ion Ratio Lower Upper
56 100
69 188.3 25.3 37.9#
84 152.8 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.92 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 97 Resp: 4718
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 44.6 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 48.97 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020307.D

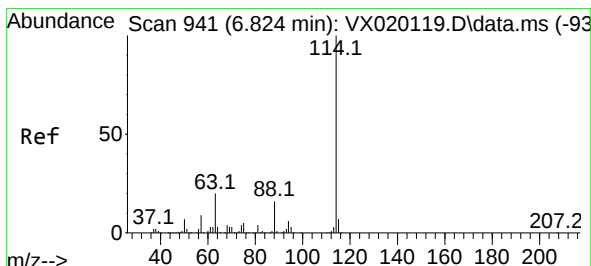
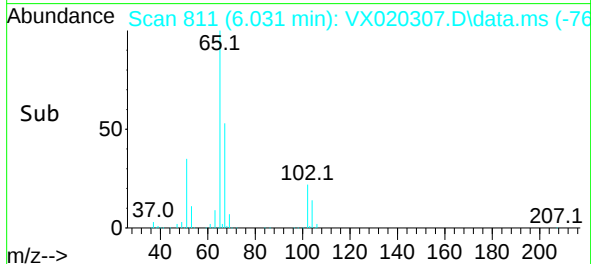
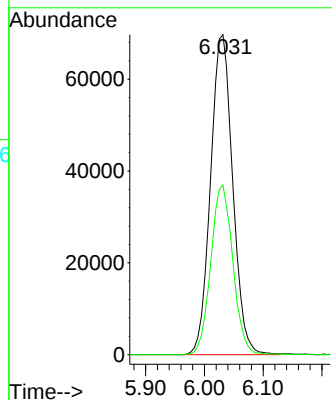
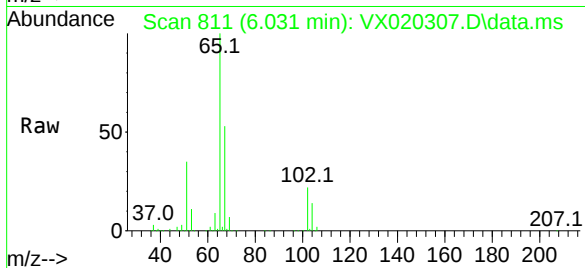
Acq: 22 Dec 2020 16:40

Tgt Ion: 65 Resp: 182587

Ion Ratio Lower Upper

65 100

67 52.8 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: VX020307.D

Acq: 22 Dec 2020 16:40

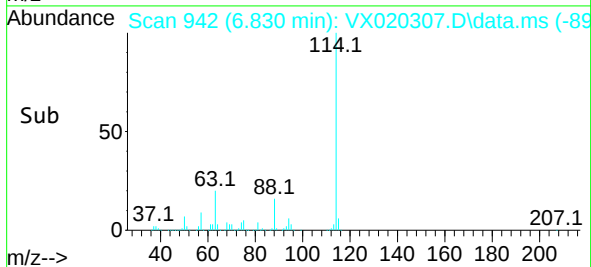
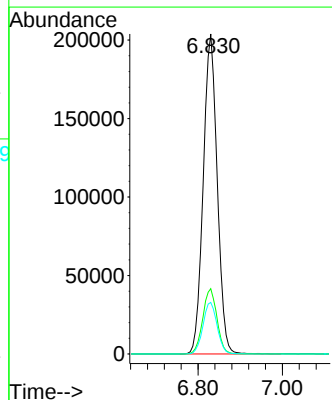
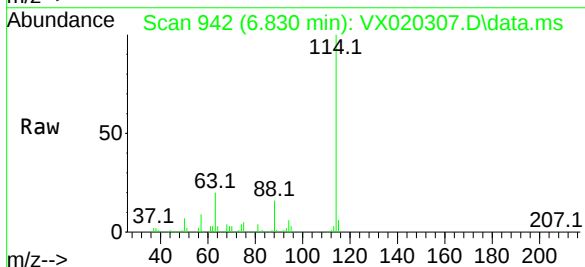
Tgt Ion: 114 Resp: 470964

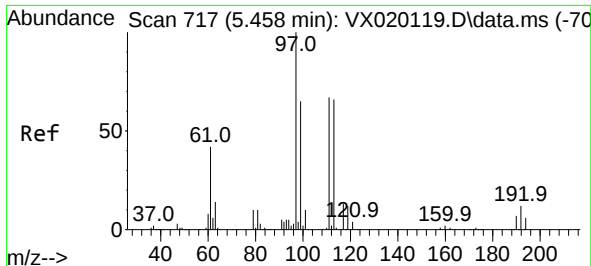
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.1 0.0 32.8

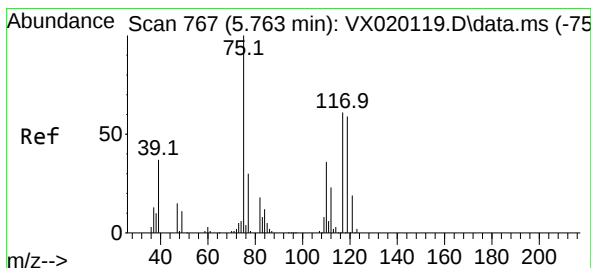
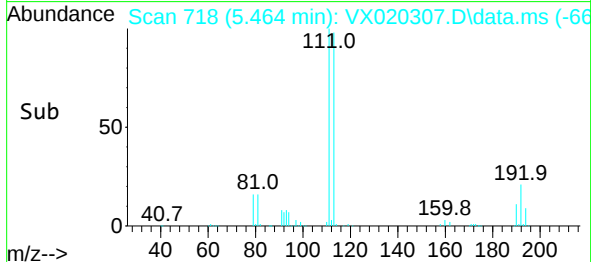
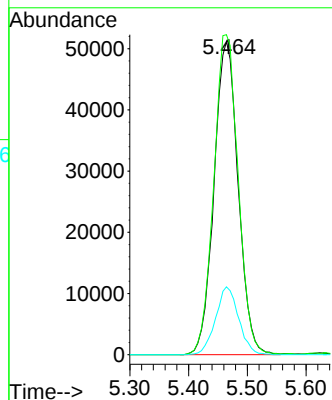
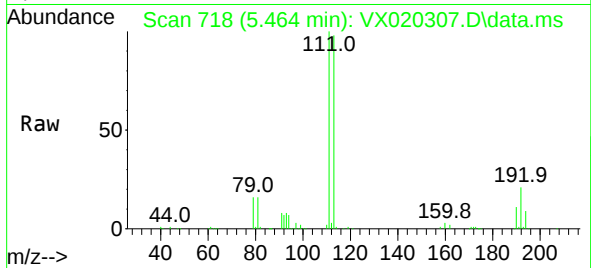




#35
Dibromofluoromethane
Concen: 48.37 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

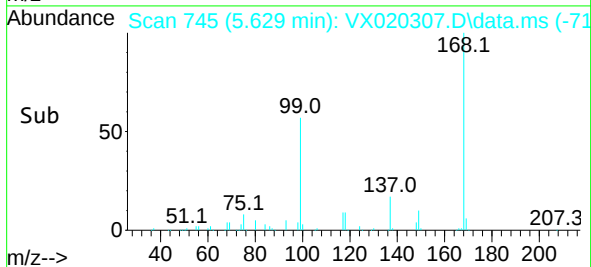
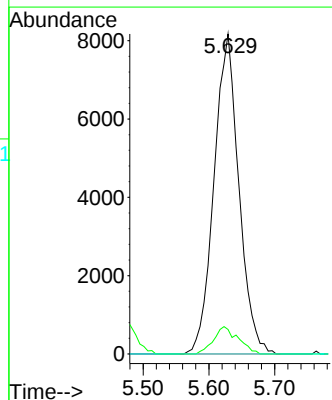
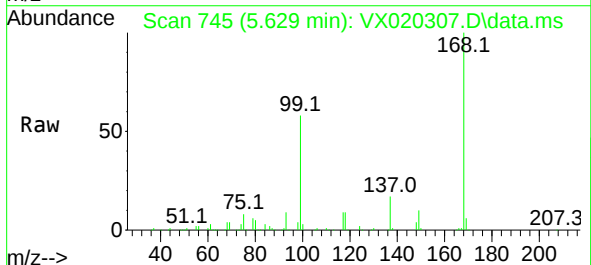
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

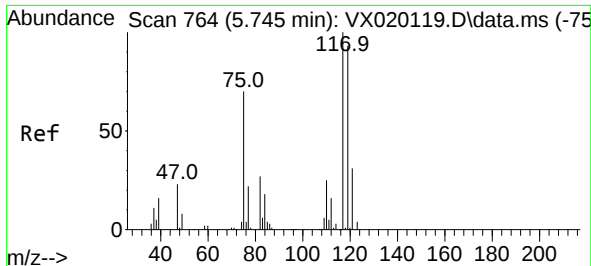
Tgt Ion:113 Resp: 145716
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 20.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

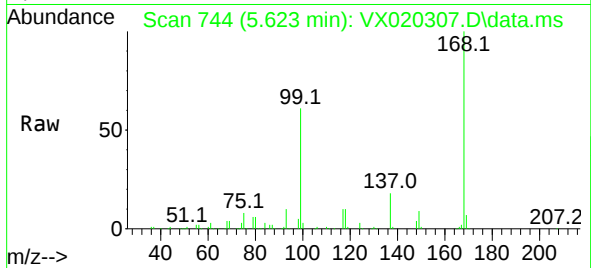
Tgt Ion: 75 Resp: 21471
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#



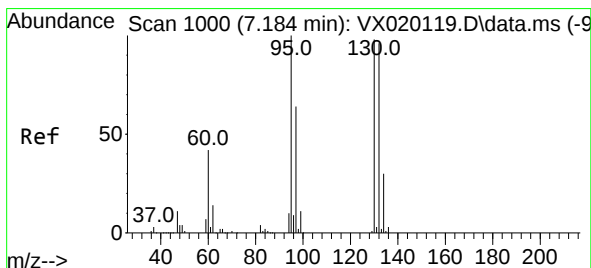
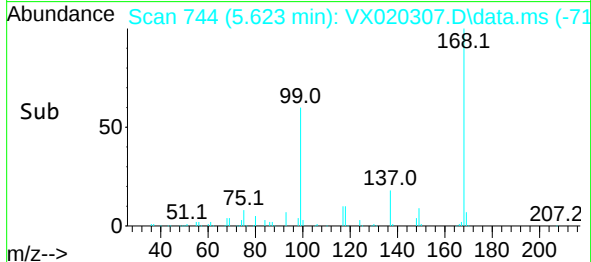
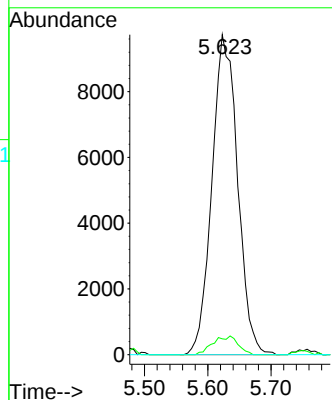


#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

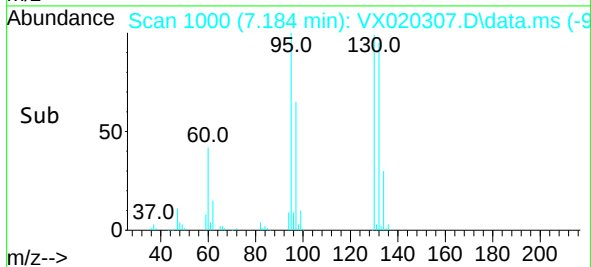
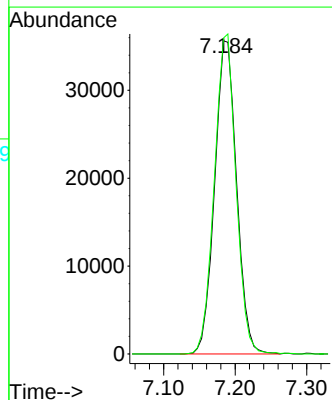
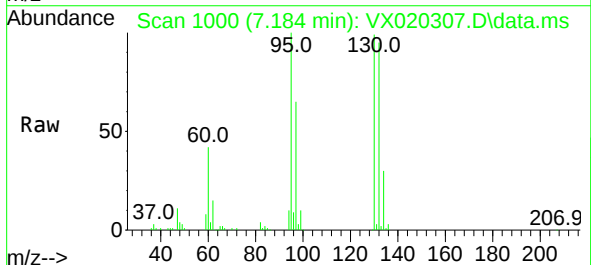


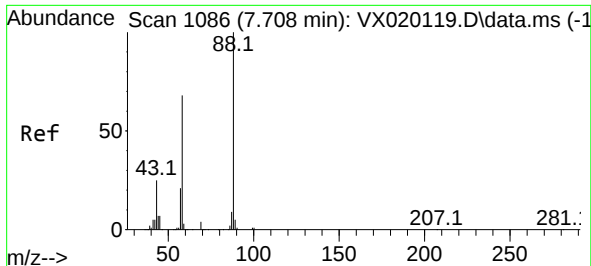
Tgt Ion:117 Resp: 27368
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 20.28 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion:130 Resp: 75958
Ion Ratio Lower Upper
130 100
95 100.9 0.0 198.0

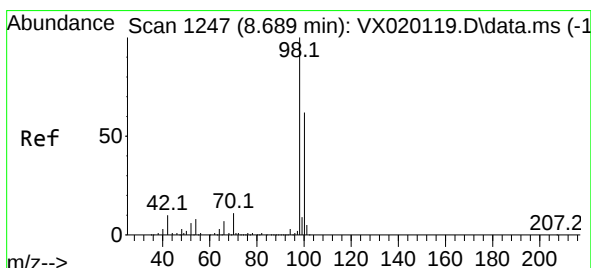
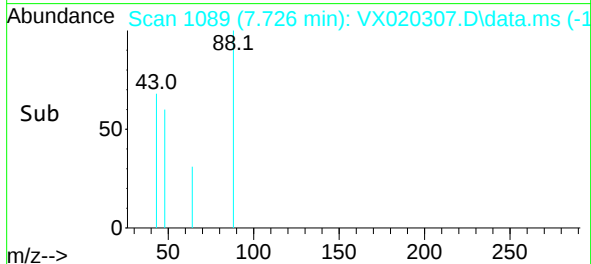
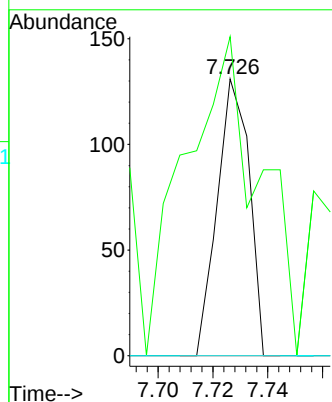
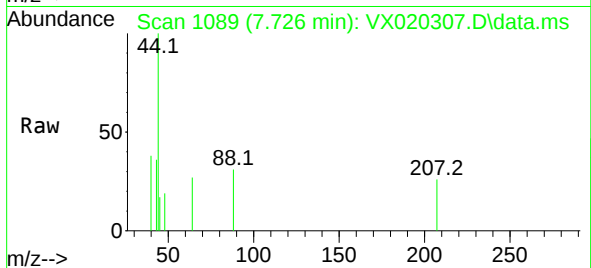




#49
1,4-Dioxane
Concen: 1.21 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.018 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

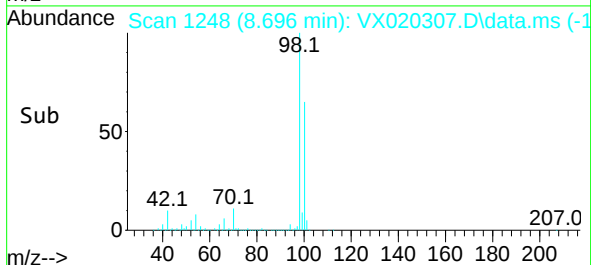
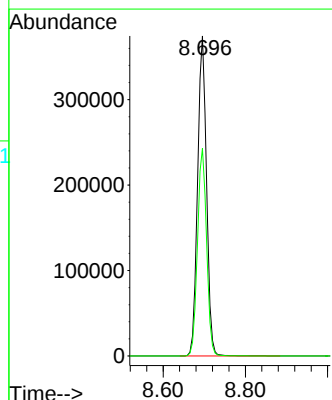
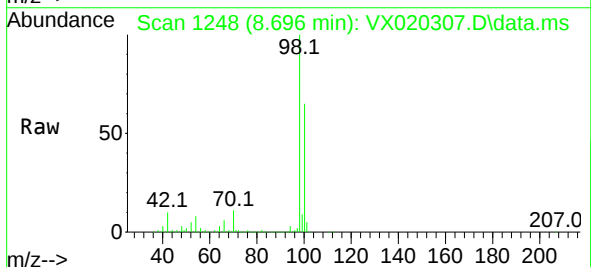
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

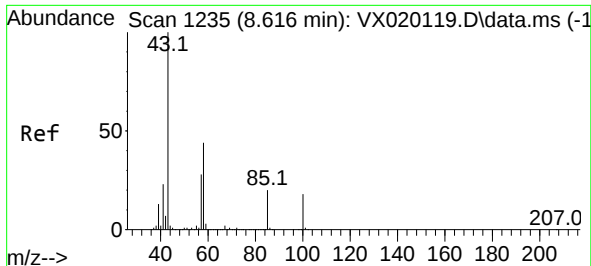
Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 268.9 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 48.64 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 98 Resp: 564069
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

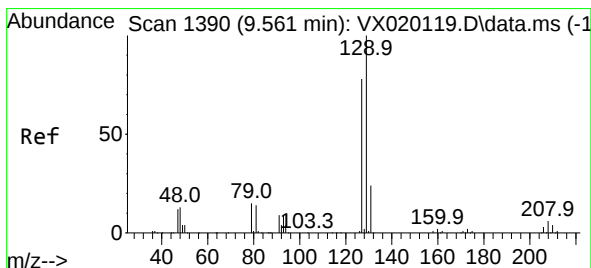
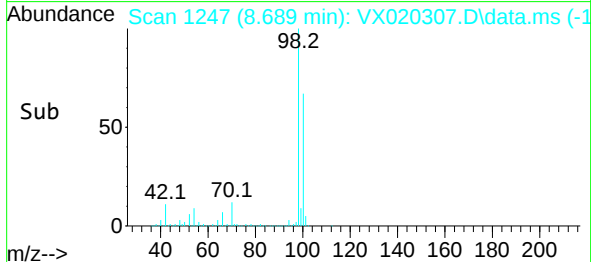
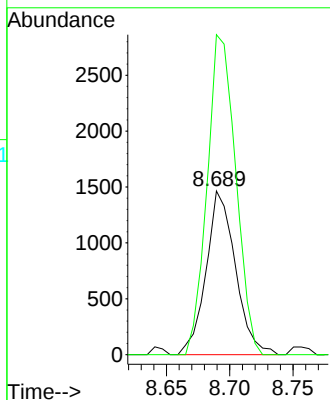
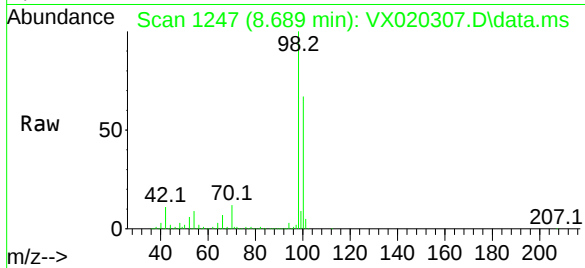




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

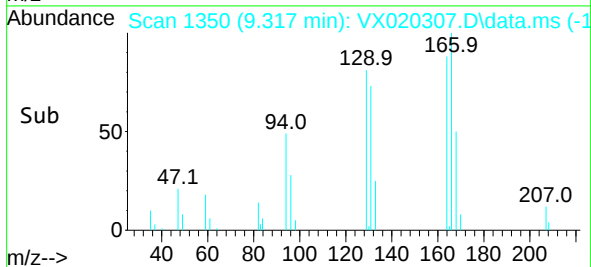
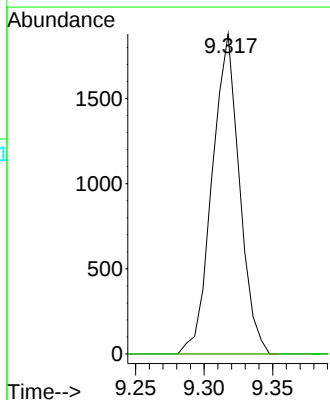
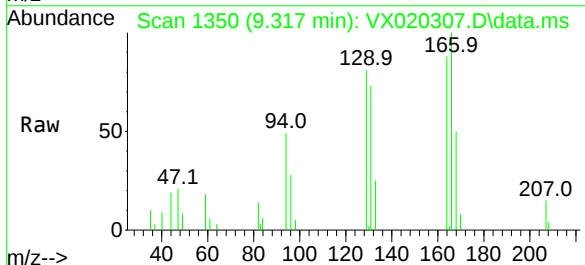
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

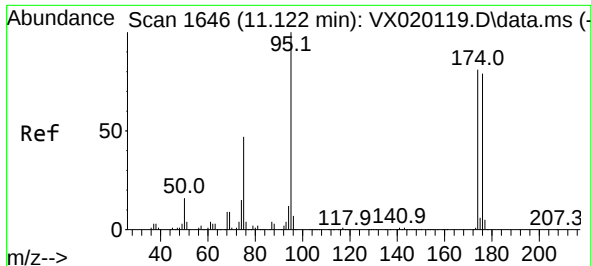
Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
58 190.3 35.4 53.0#



#60
Dibromochloromethane
Concen: 0.72 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 129 Resp: 2606
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

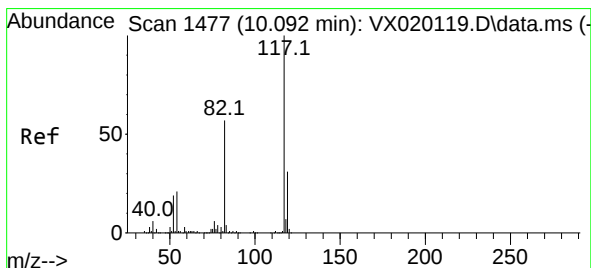
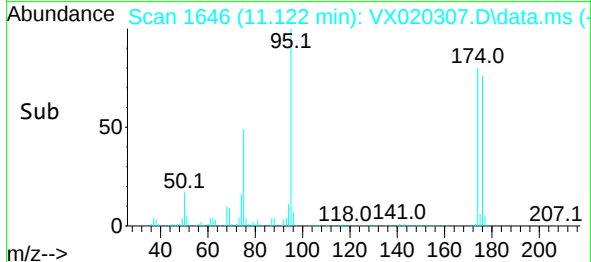
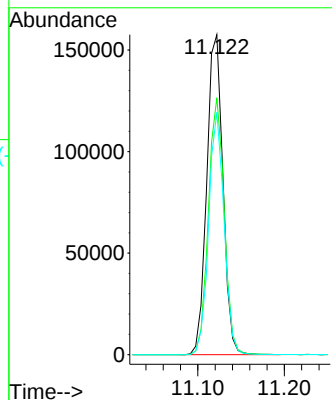
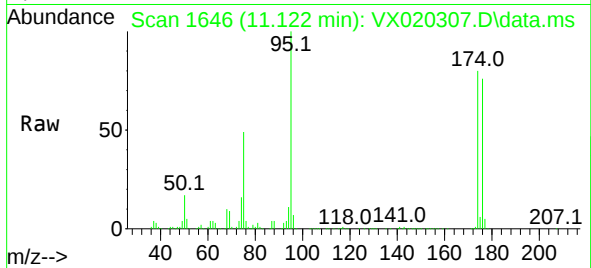




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

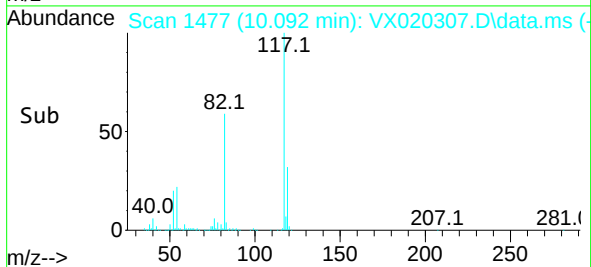
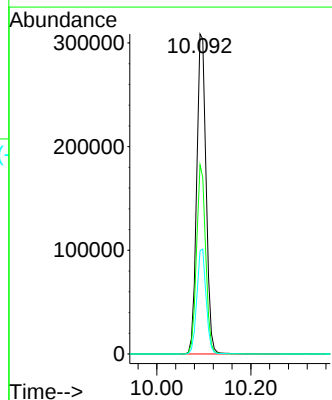
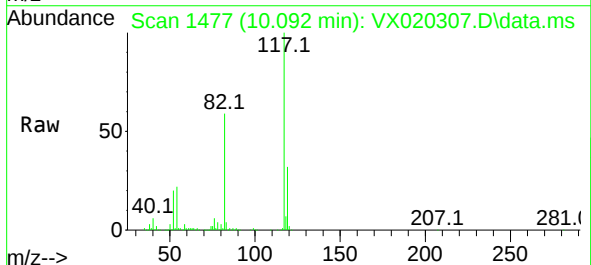
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

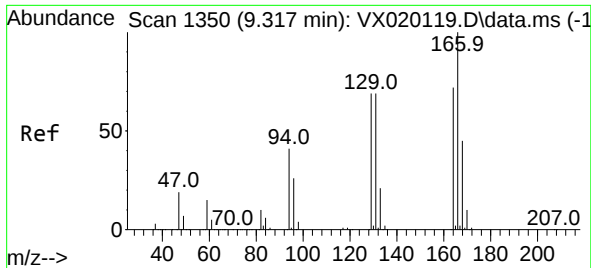
Tgt Ion: 95 Resp: 203804
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 72.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 117 Resp: 430531
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.3 26.6 39.8



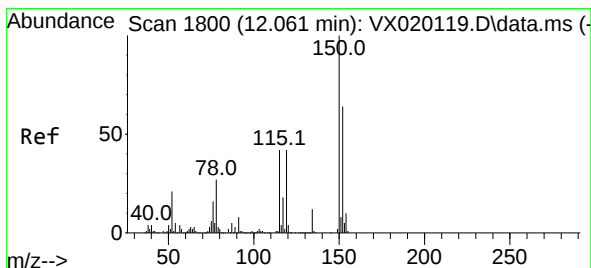
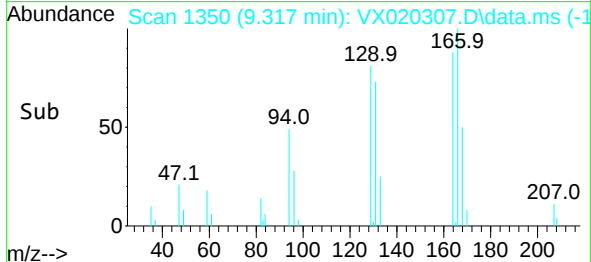
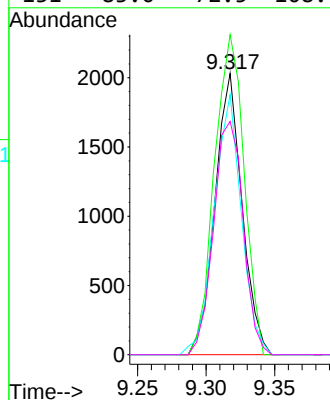
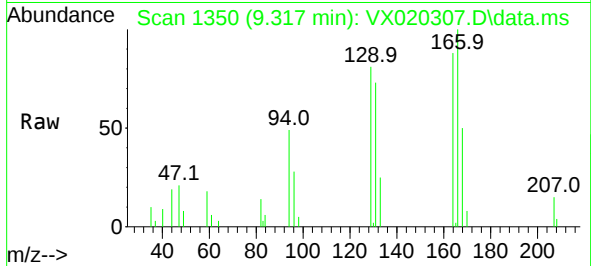


#64
Tetrachloroethene
Concen: 0.86 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

Tgt Ion:164 Resp: 2801

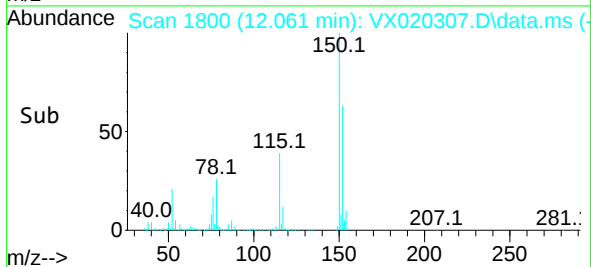
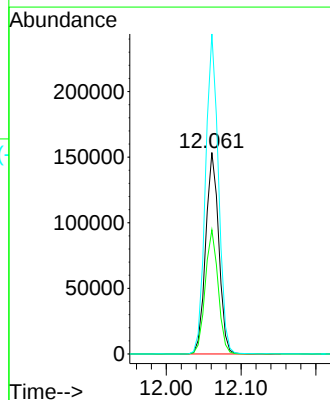
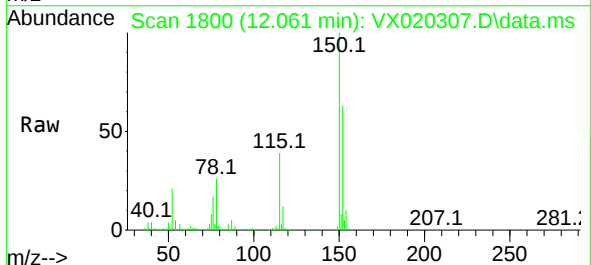
Ion	Ratio	Lower	Upper
164	100		
166	113.8	103.4	155.2
129	92.5	70.8	106.2
131	83.0	72.5	108.7

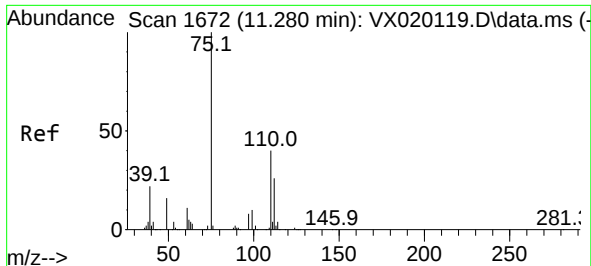


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion:152 Resp: 186493

Ion	Ratio	Lower	Upper
152	100		
115	60.7	41.1	123.3
150	157.2	0.0	349.0

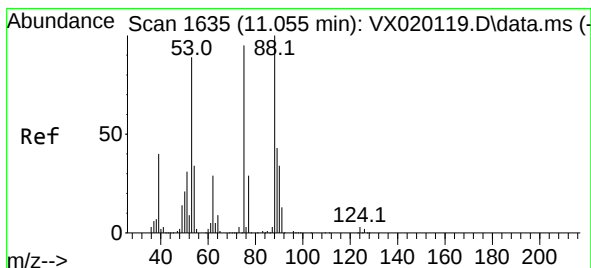
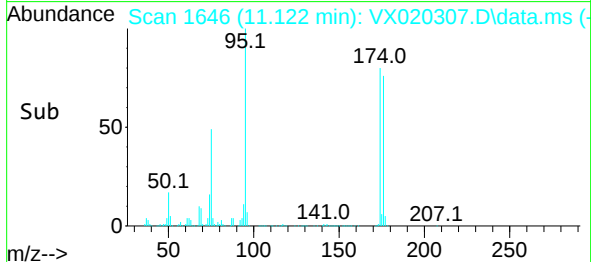
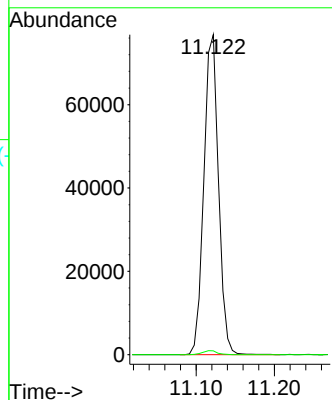
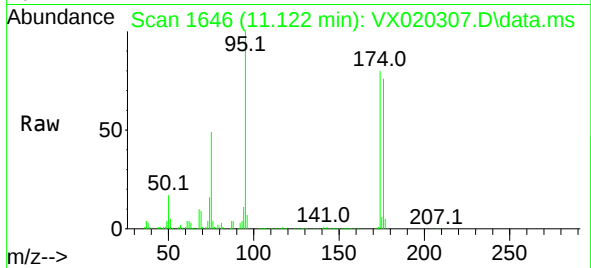




#76
1,2,3-Trichloropropane
Concen: 21.65 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20201213

Tgt Ion: 75 Resp: 99442
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.22 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020307.D
Acq: 22 Dec 2020 16:40

Tgt Ion: 75 Resp: 99442
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

