

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
 Data File : VX021105.D
 Acq On : 09 Mar 2021 14:06
 Operator : JC/MD
 Sample : M1604-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR1-155-175-030821

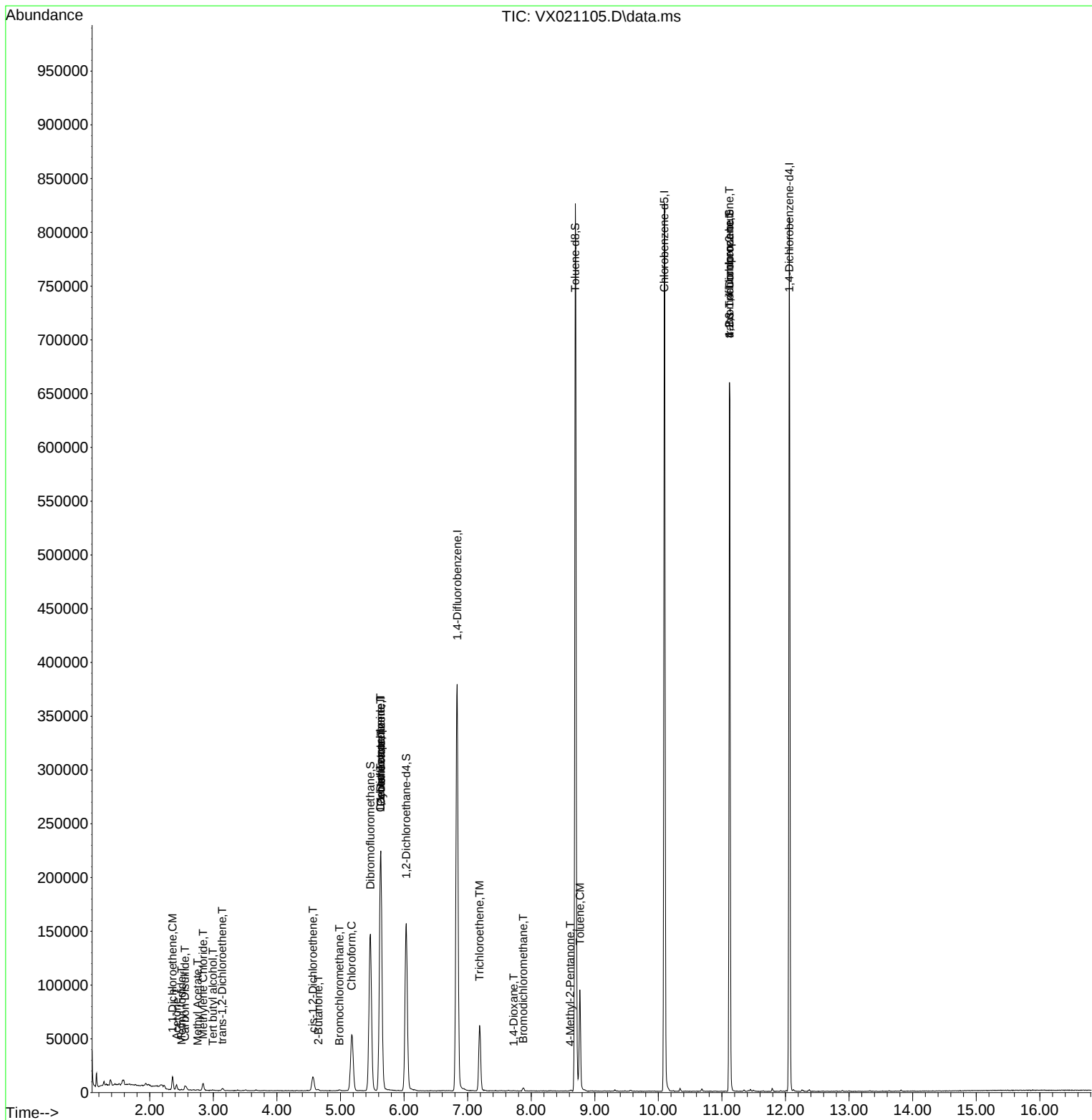
Quant Time: Mar 10 00:30:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.635	168	219906	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.835	114	404654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	397703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	172955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	146390	49.28	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.56%		
35) Dibromofluoromethane	5.470	113	126752	51.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.10%		
50) Toluene-d8	8.694	98	509663	53.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.34%		
62) 4-Bromofluorobenzene	11.118	95	188040	53.05	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.10%		
Target Compounds						
5) Bromomethane	1.634	94	386	Below Cal		89
10) Methyl Iodide	2.499	142	770	0.24 ug/l #		92
11) Tert butyl alcohol	2.993	59	362	0.55 ug/l #		73
12) 1,1-Dichloroethene	2.358	96	4102	1.67 ug/l		96
16) Acetone	2.423	43	5130	4.19 ug/l		95
17) Carbon Disulfide	2.552	76	4131	0.59 ug/l #		94
18) Methyl Acetate	2.752	43	974	0.34 ug/l #		64
20) Methylene Chloride	2.840	84	3173	1.08 ug/l		96
21) trans-1,2-Dichloroethene	3.140	96	870	0.31 ug/l		84
25) 2-Butanone	4.652	43	1828	0.98 ug/l		93
27) cis-1,2-Dichloroethene	4.564	96	8895	2.79 ug/l		89
28) Bromochloromethane	4.982	49	615	0.30 ug/l #		98
30) Chloroform	5.176	83	63979	13.33 ug/l		99
31) Cyclohexane	5.635	56	4241	0.99 ug/l #		1
36) 1,1-Dichloropropene	5.629	75	16586	4.31 ug/l #		48
38) Carbon Tetrachloride	5.629	117	21212	5.69 ug/l #		16
44) Trichloroethene	7.188	130	24374	8.04 ug/l		95
47) Bromodichloromethane	7.876	83	1879	0.46 ug/l		99
49) 1,4-Dioxane	7.723	88	72	0.99 ug/l #		1
51) 4-Methyl-2-Pentanone	8.612	43	889	0.25 ug/l #		56
52) Toluene	8.765	92	35335	4.92 ug/l		97
76) 1,2,3-Trichloropropane	11.118	75	88910	23.90 ug/l #		39
81) trans-1,4-Dichloro-2-b...	11.118	75	88910	52.91 ug/l #		12

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

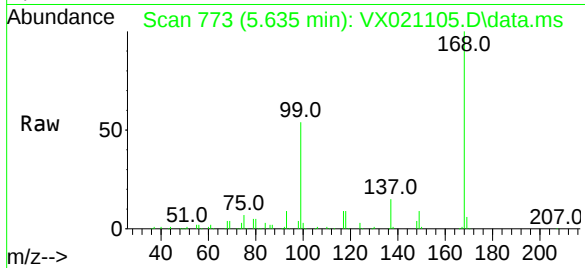
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration



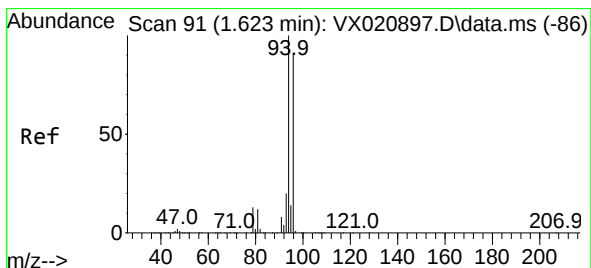
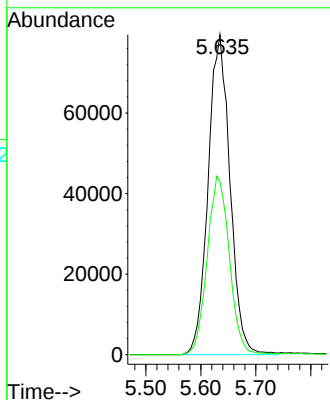
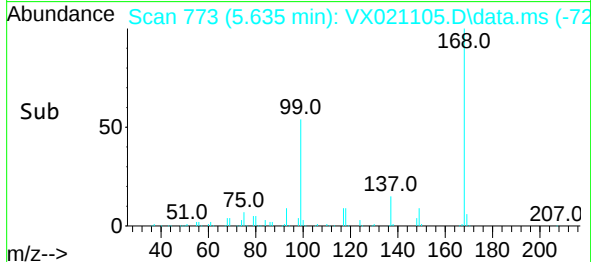


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

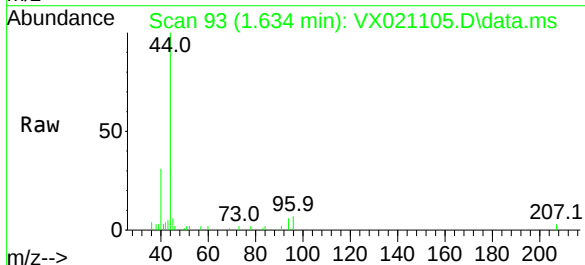
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821



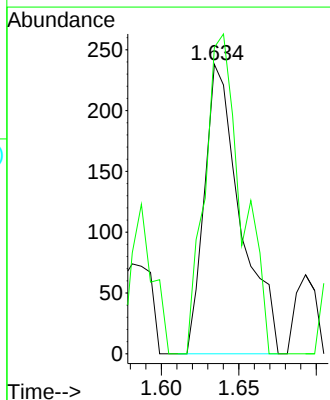
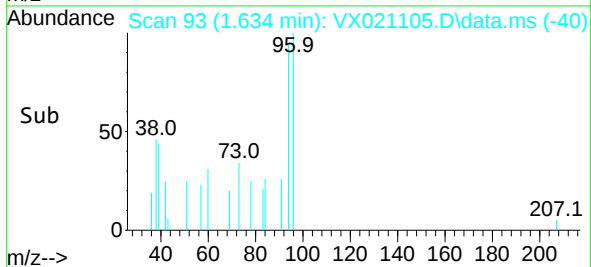
Tgt Ion:168 Resp: 219906
Ion Ratio Lower Upper
168 100
99 54.0 45.8 68.6

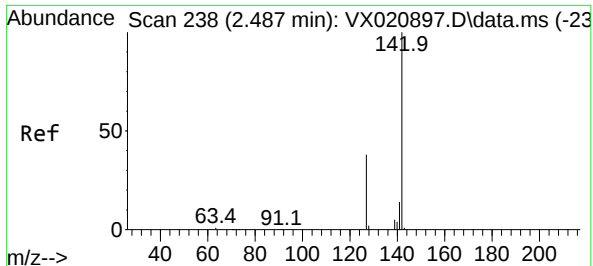


#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06



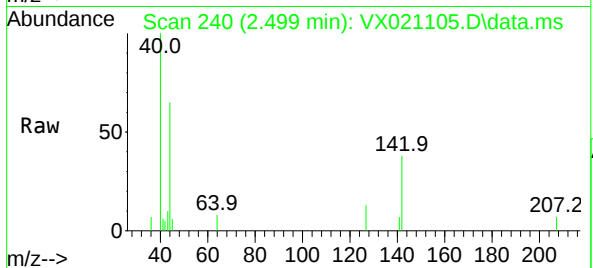
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 105.9 76.4 114.6



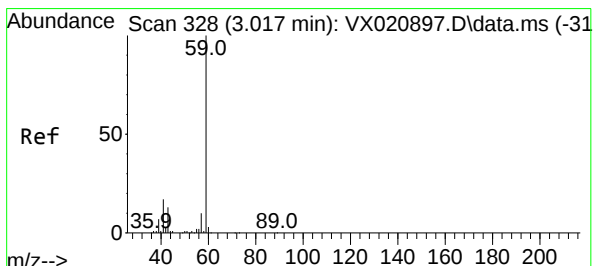
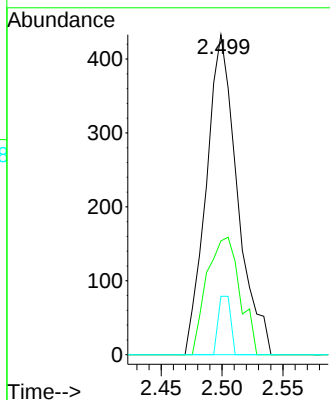
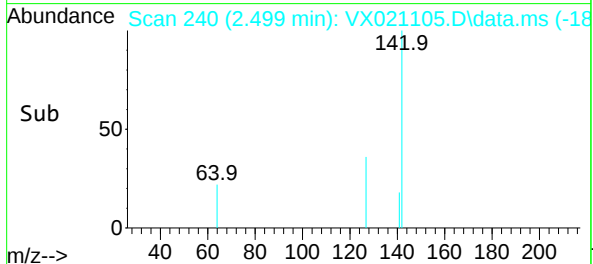


#10
Methyl Iodide
Concen: 0.24 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

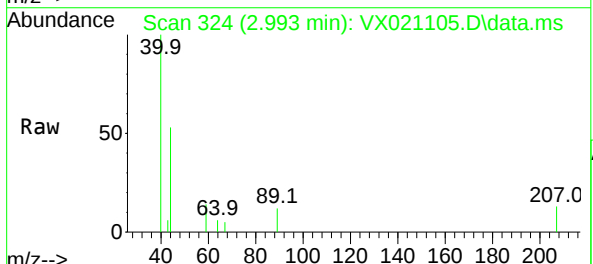
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MSVOA_X
ClientSampleId :
GWBR1-155-175-030821



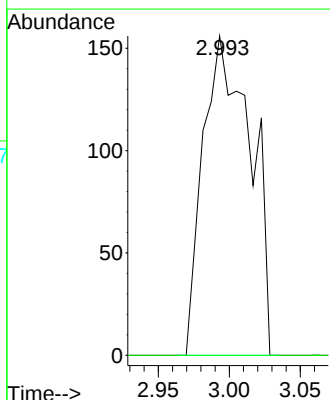
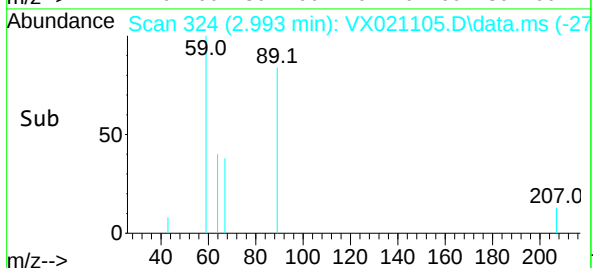
Tgt Ion:142 Resp: 770
Ion Ratio Lower Upper
142 100
127 38.8 33.3 49.9
141 7.3 11.4 17.0#

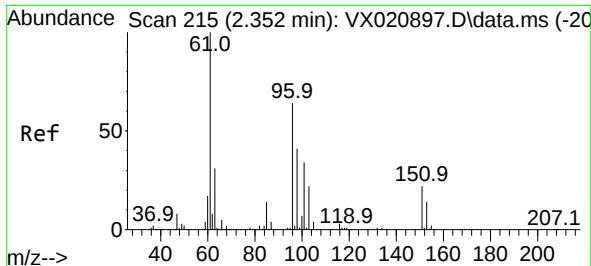


#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06



Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

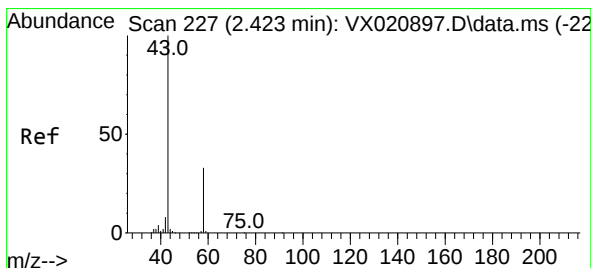
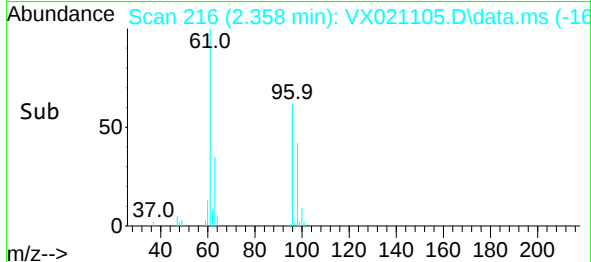
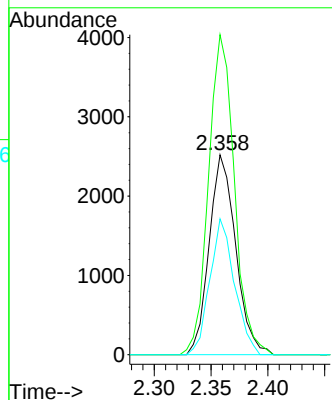
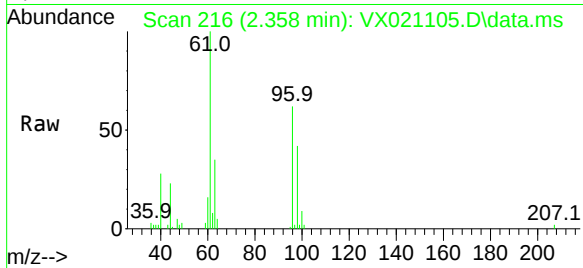




#12
1,1-Dichloroethene
Concen: 1.67 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

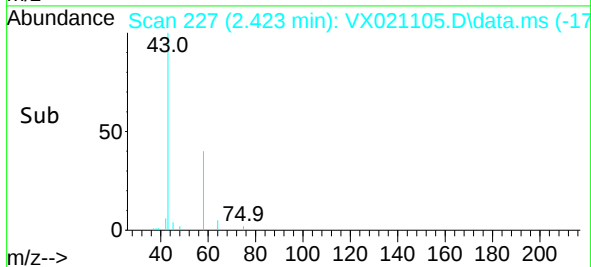
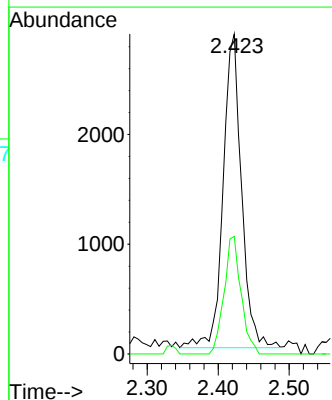
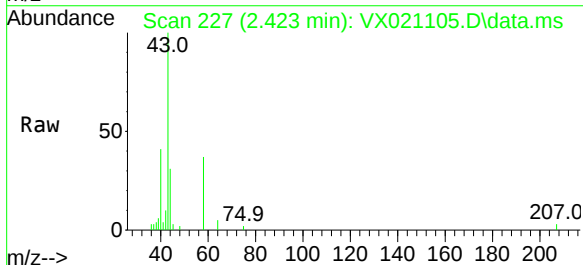
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

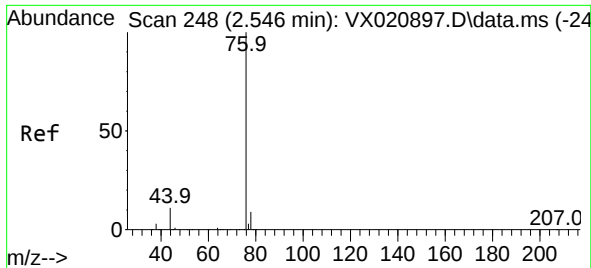
Tgt Ion: 96 Resp: 4102
Ion Ratio Lower Upper
96 100
61 160.1 124.6 187.0
98 67.9 50.6 76.0



#16
Acetone
Concen: 4.19 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 43 Resp: 5130
Ion Ratio Lower Upper
43 100
58 37.5 27.8 41.8

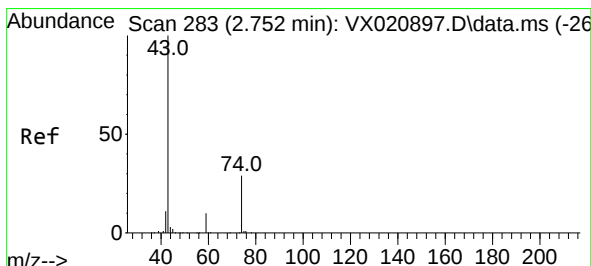
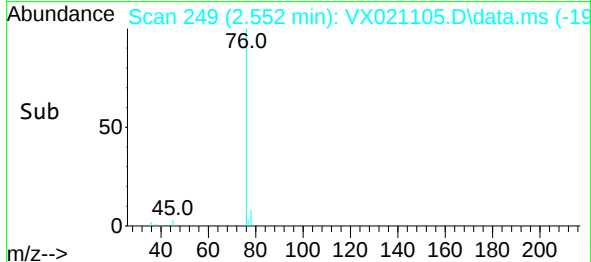
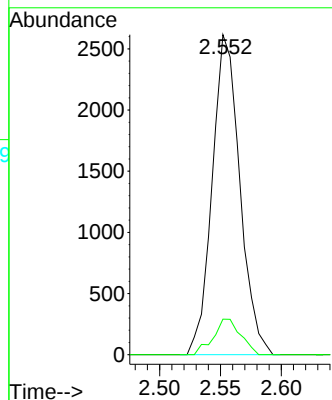
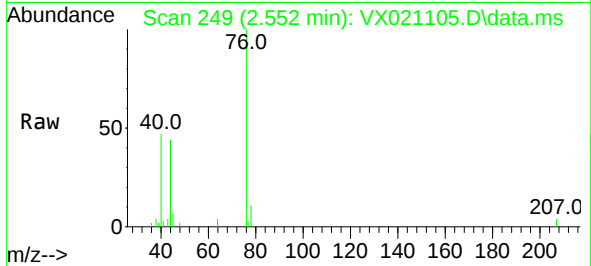




#17
Carbon Disulfide
Concen: 0.59 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

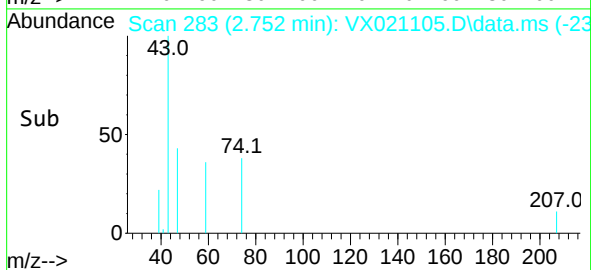
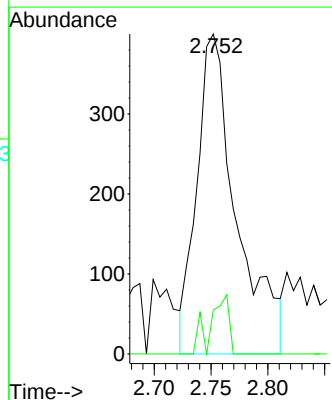
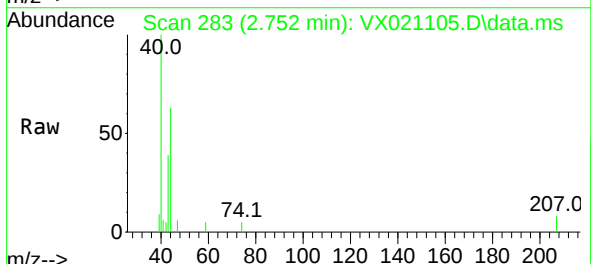
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

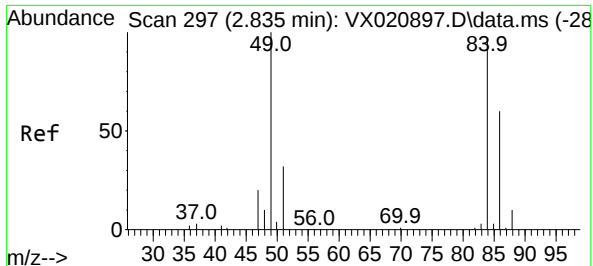
Tgt Ion: 76 Resp: 4131
Ion Ratio Lower Upper
76 100
78 11.1 7.2 10.8#



#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

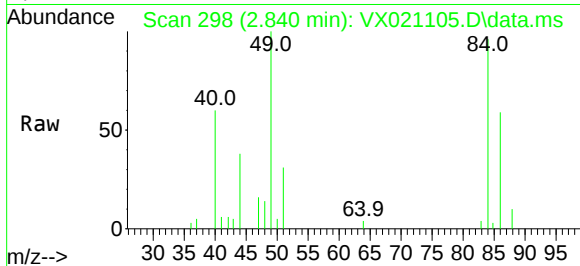
Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
74 8.7 21.9 32.9#





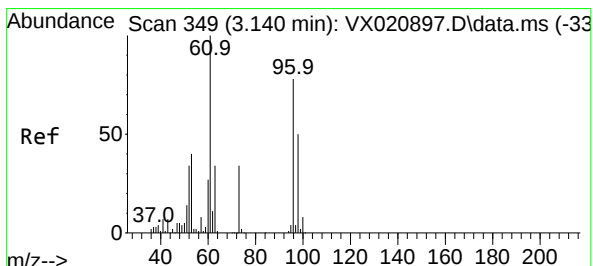
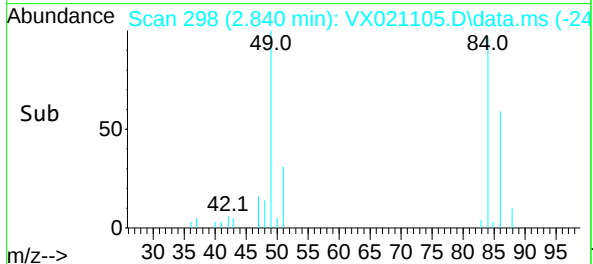
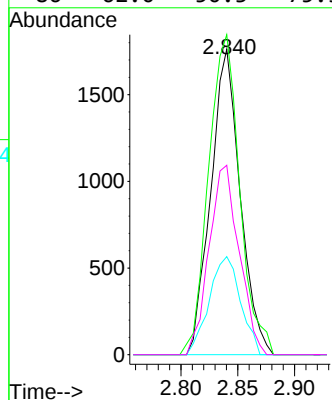
#20
Methylene Chloride
Concen: 1.08 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821



Tgt Ion: 84 Resp: 3173

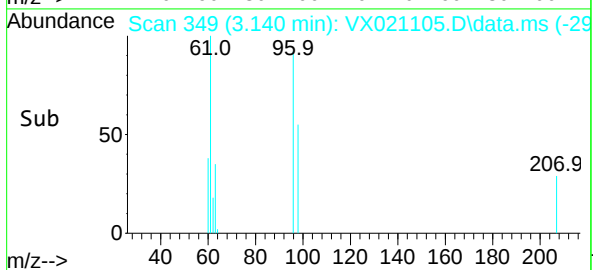
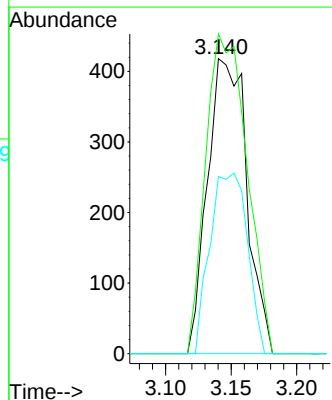
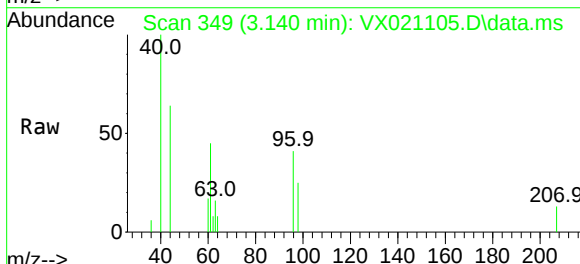
Ion	Ratio	Lower	Upper
84	100		
49	104.7	88.6	132.8
51	32.1	27.0	40.6
86	62.0	50.3	75.5

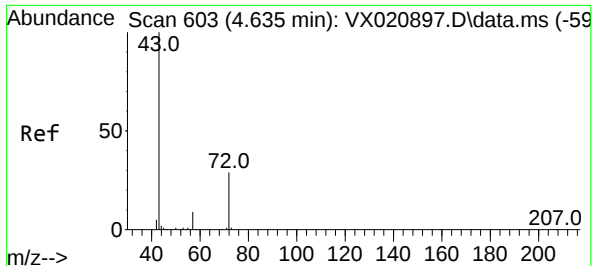


#21
trans-1,2-Dichloroethene
Concen: 0.31 ug/l
RT: 3.140 min Scan# 349
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 96 Resp: 870

Ion	Ratio	Lower	Upper
96	100		
61	108.4	107.7	161.5
98	60.0	50.4	75.6

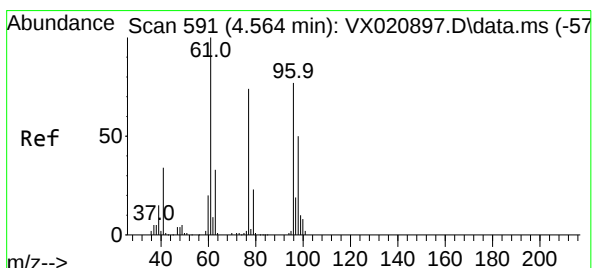
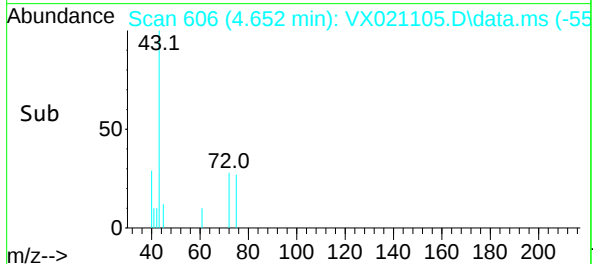
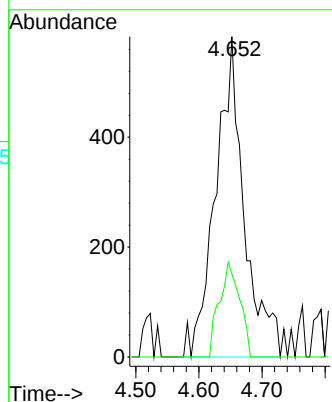
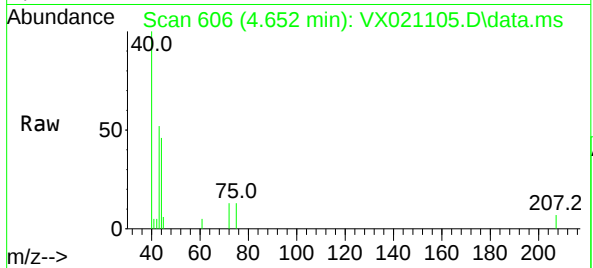




#25
2-Butanone
Concen: 0.98 ug/l
RT: 4.652 min Scan# 606
Delta R.T. 0.018 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

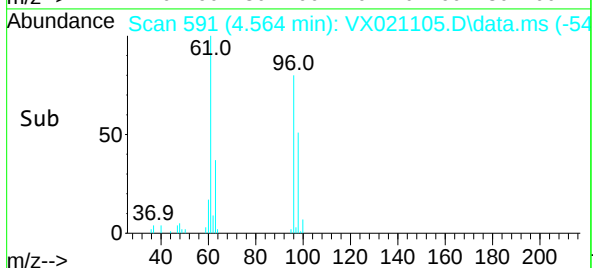
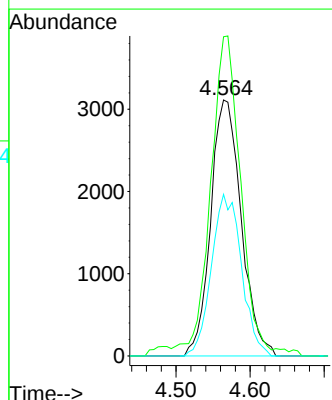
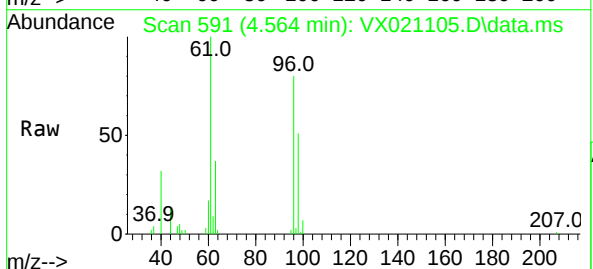
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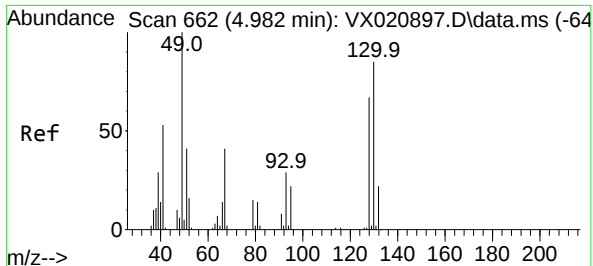
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
72 25.9 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 2.79 ug/l
RT: 4.564 min Scan# 591
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 96 Resp: 8895
Ion Ratio Lower Upper
96 100
61 124.3 0.0 285.6
98 62.2 0.0 129.6

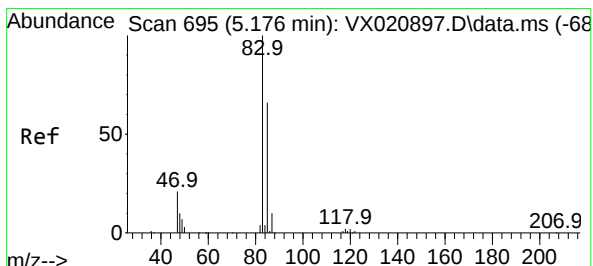
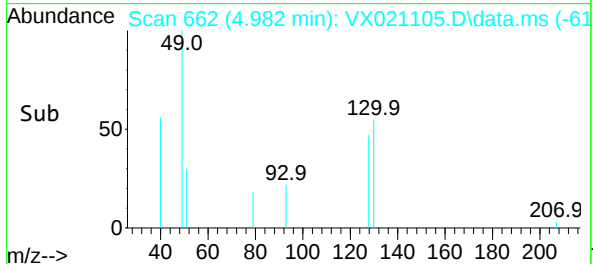
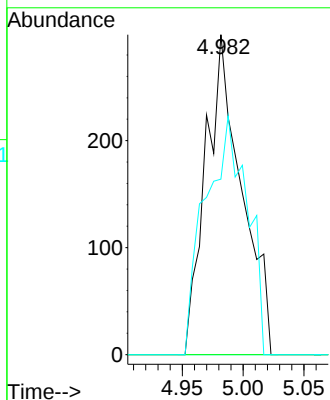
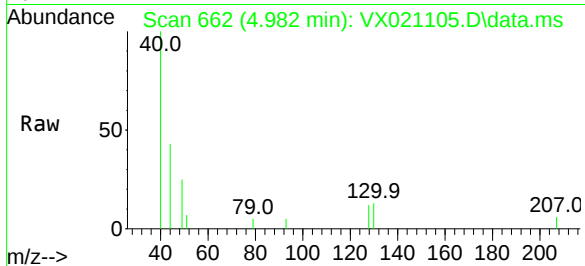




#28
Bromochloromethane
Concen: 0.30 ug/l
RT: 4.982 min Scan# 662
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

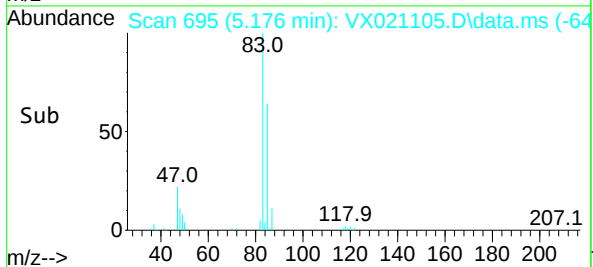
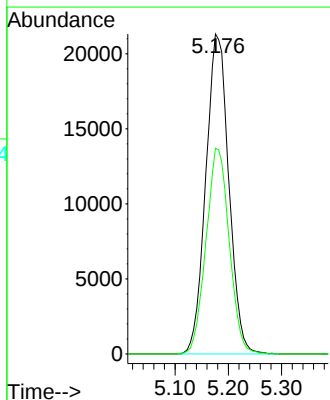
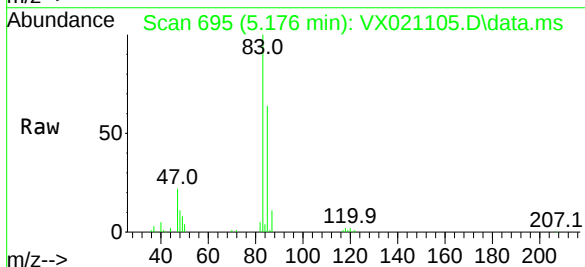
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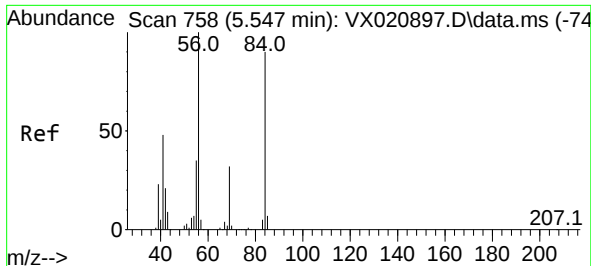
Tgt Ion: 49 Resp: 615
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 86.7 68.2 102.2



#30
Chloroform
Concen: 13.33 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

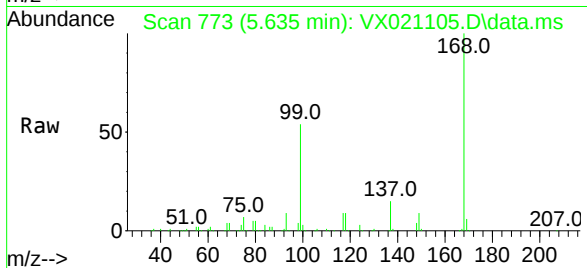
Tgt Ion: 83 Resp: 63979
Ion Ratio Lower Upper
83 100
85 64.3 52.0 78.0



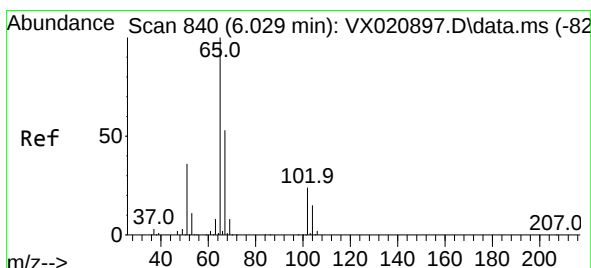
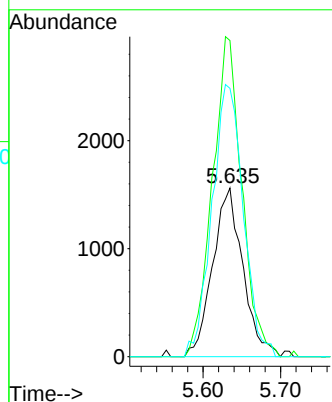
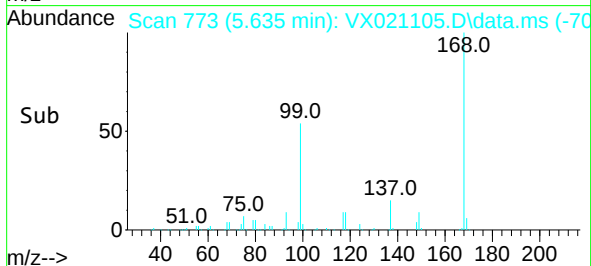


#31
Cyclohexane
Concen: 0.99 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

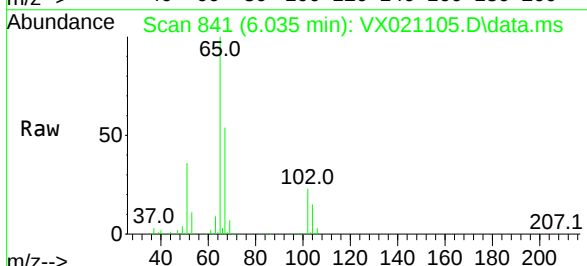
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821



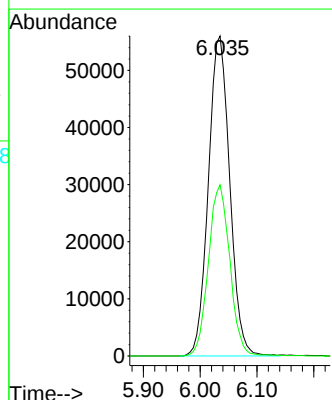
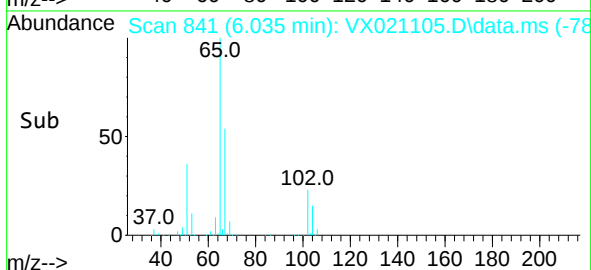
Tgt Ion: 56 Resp: 4241
Ion Ratio Lower Upper
56 100
69 187.5 25.3 37.9#
84 159.2 71.4 107.0#

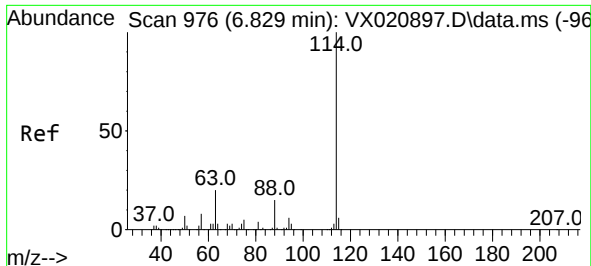


#33
1,2-Dichloroethane-d4
Concen: 49.28 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06



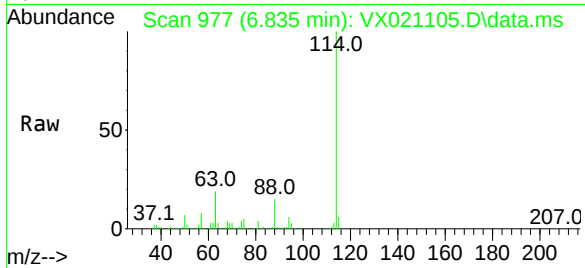
Tgt Ion: 65 Resp: 146390
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.4



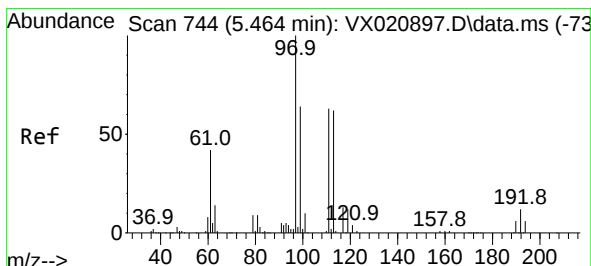
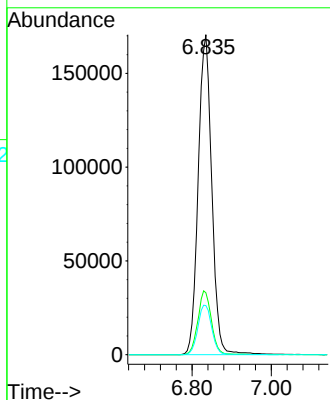
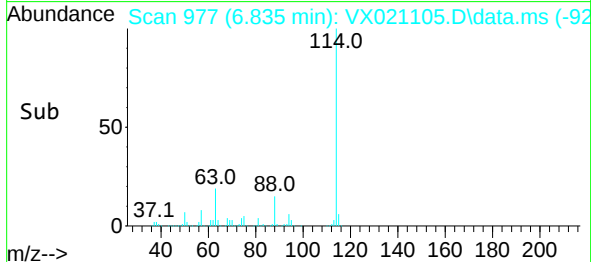


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

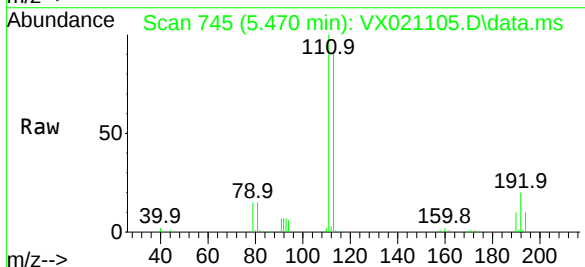
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821



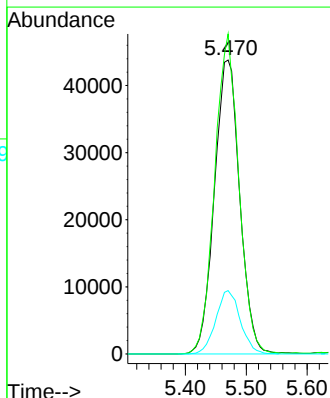
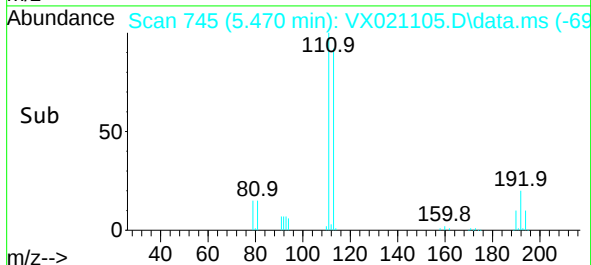
Tgt Ion:114 Resp: 404654
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 15.3 0.0 32.8

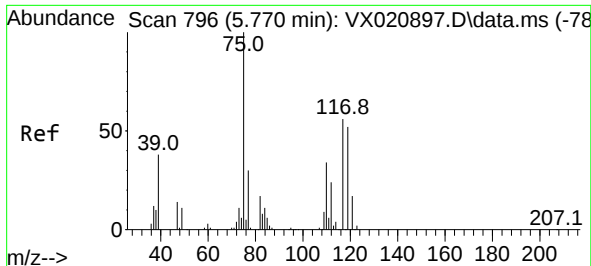


#35
Dibromofluoromethane
Concen: 51.55 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06



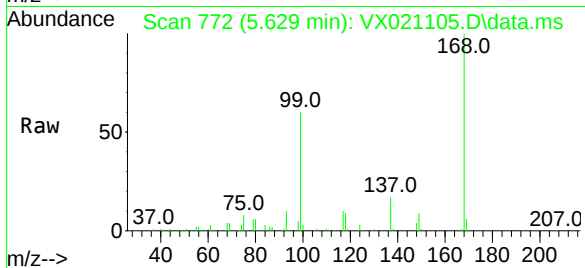
Tgt Ion:113 Resp: 126752
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.8 16.7 25.1



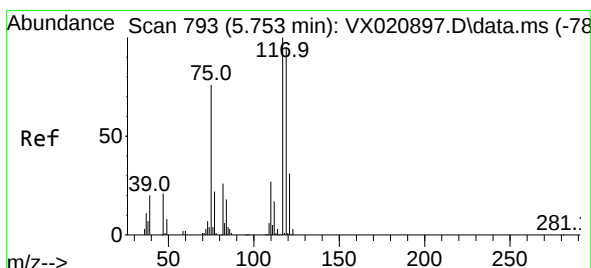
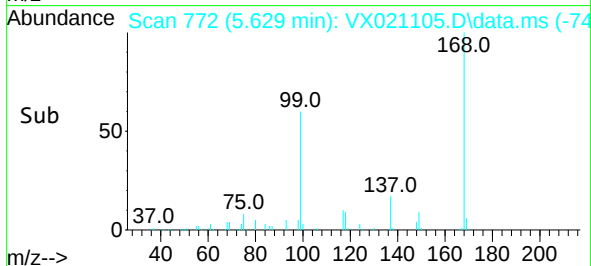
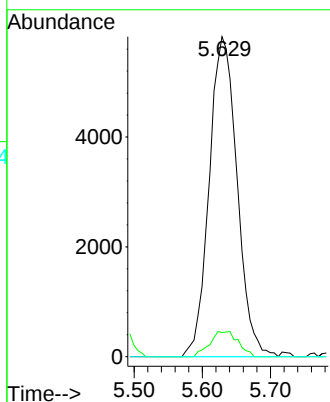


#36
1,1-Dichloropropene
Concen: 4.31 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

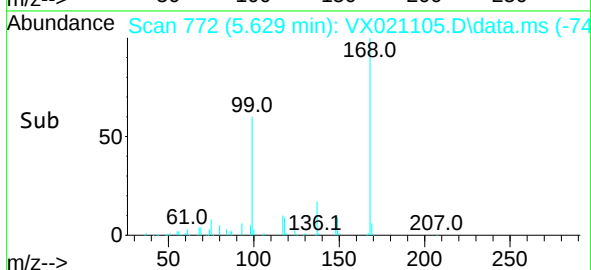
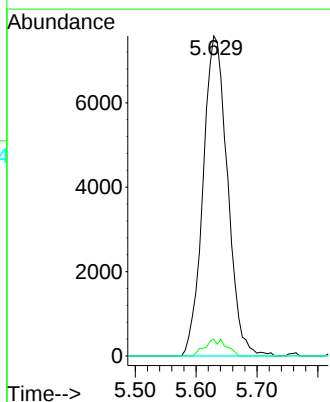
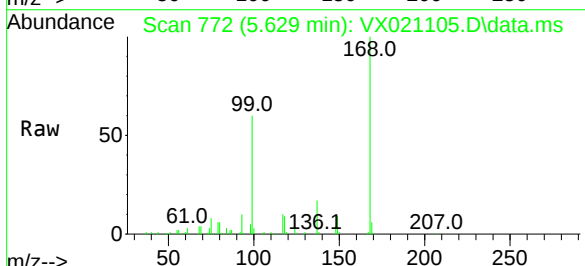


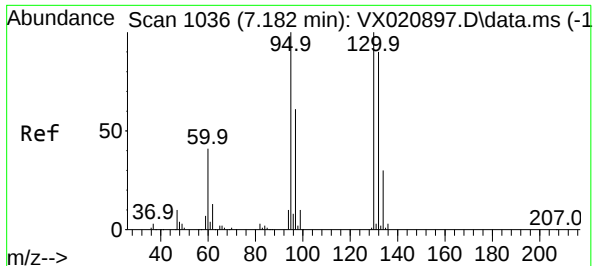
Tgt Ion: 75 Resp: 16586
Ion Ratio Lower Upper
75 100
110 8.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 117 Resp: 21212
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

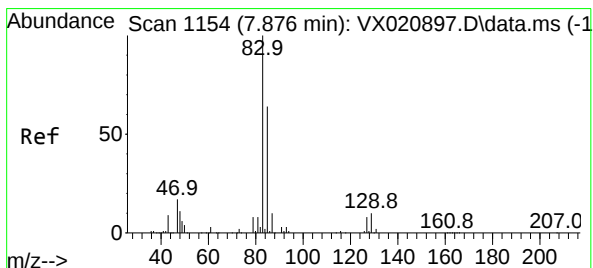
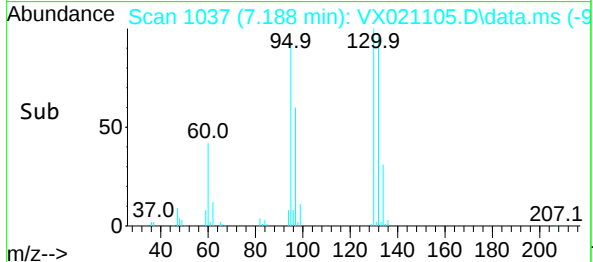
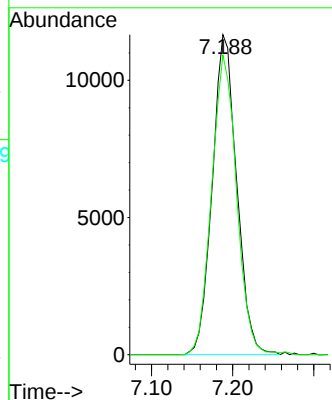
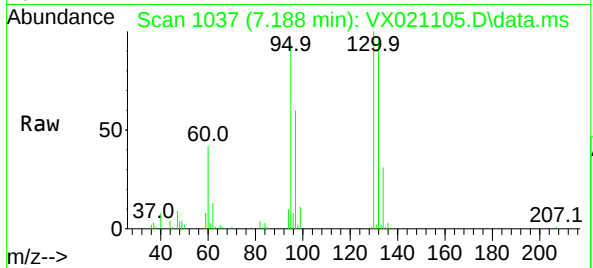




#44
Trichloroethene
Concen: 8.04 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

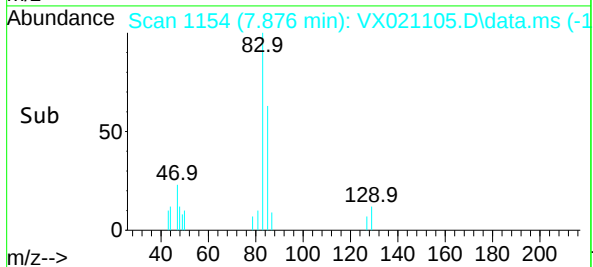
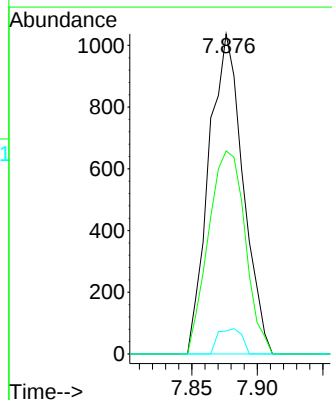
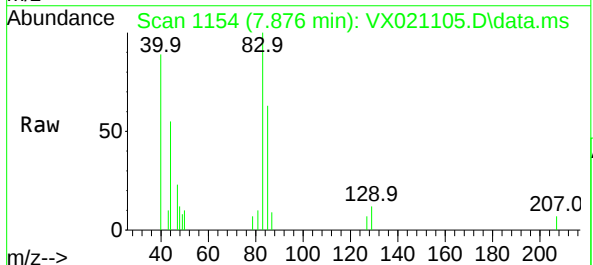
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

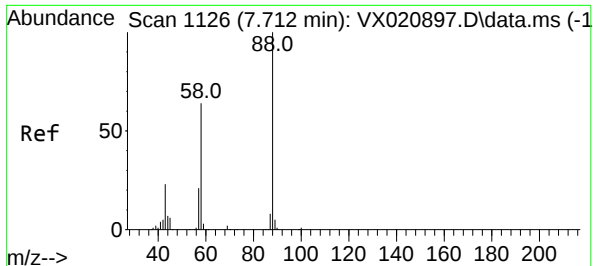
Tgt Ion:130 Resp: 24374
Ion Ratio Lower Upper
130 100
95 93.6 0.0 198.0



#47
Bromodichloromethane
Concen: 0.46 ug/l
RT: 7.876 min Scan# 1154
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

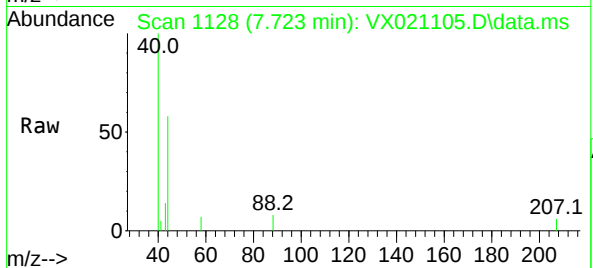
Tgt Ion: 83 Resp: 1879
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.0
127 7.2 6.8 10.2



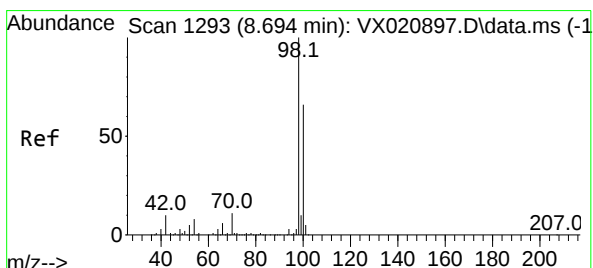
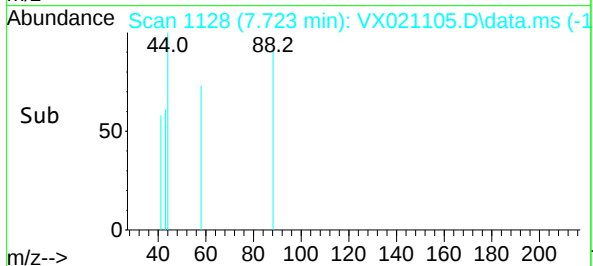
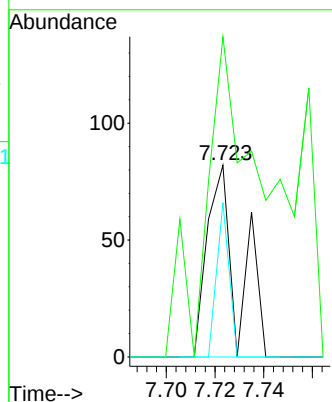


#49
1,4-Dioxane
Concen: 0.99 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

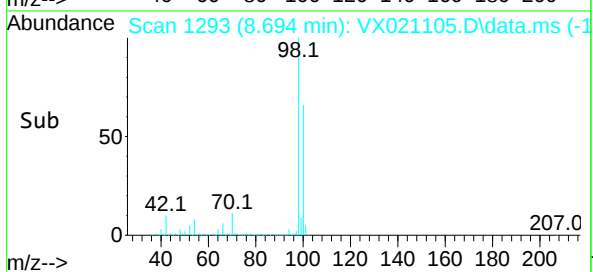
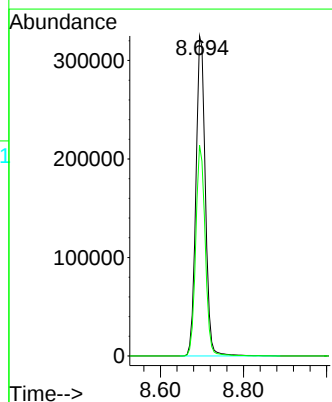
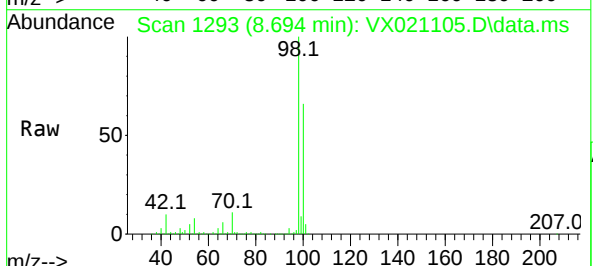


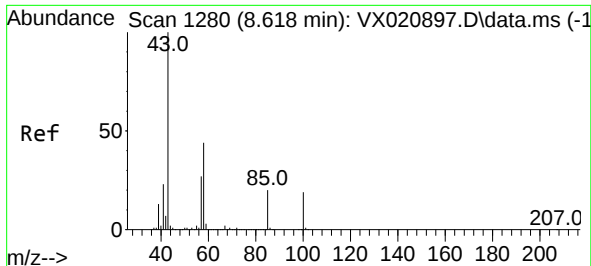
Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 250.0 23.2 34.8#
58 31.9 55.0 82.4#



#50
Toluene-d8
Concen: 53.17 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 98 Resp: 509663
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9

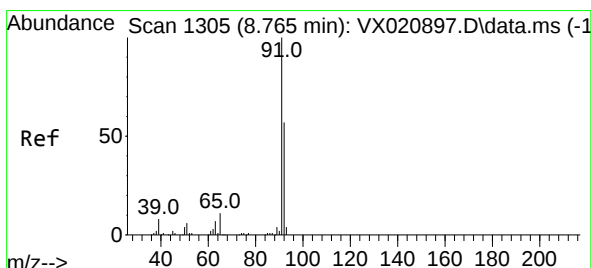
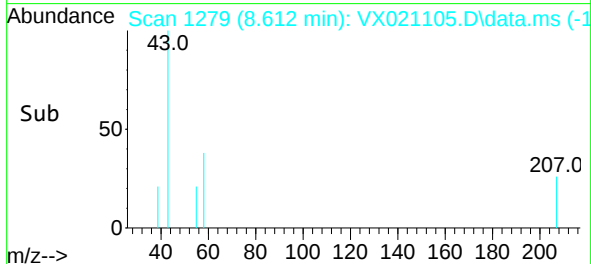
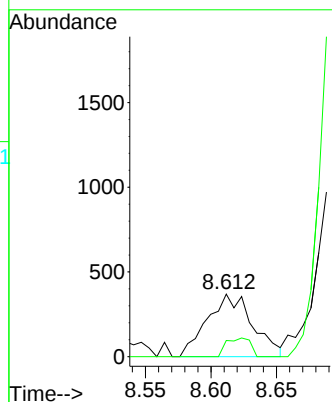
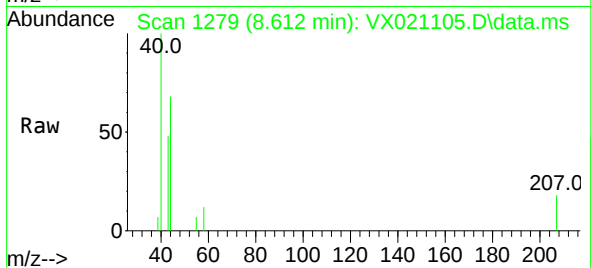




#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 8.612 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

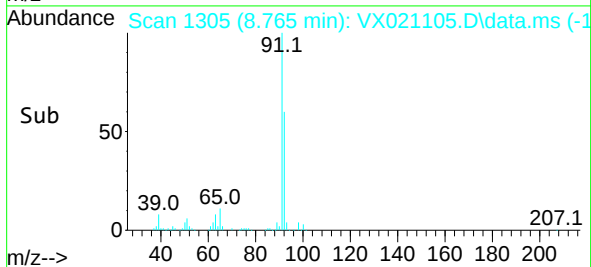
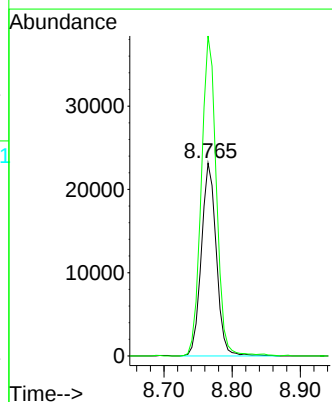
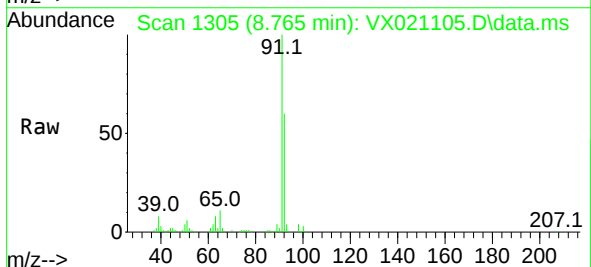
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

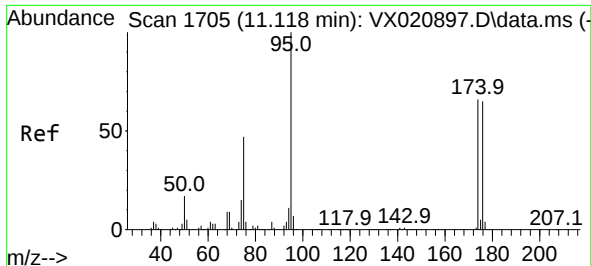
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 15.6 35.4 53.0#



#52
Toluene
Concen: 4.92 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 92 Resp: 35335
Ion Ratio Lower Upper
92 100
91 167.3 137.1 205.7

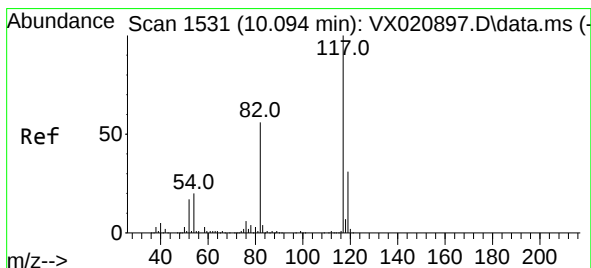
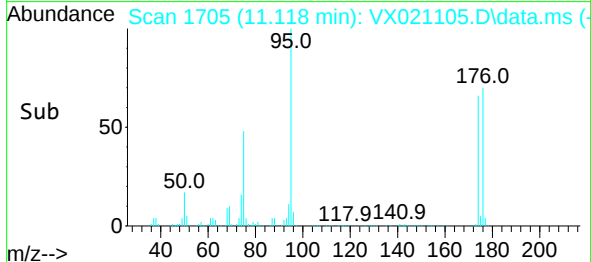
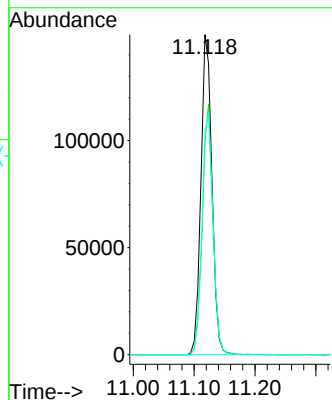
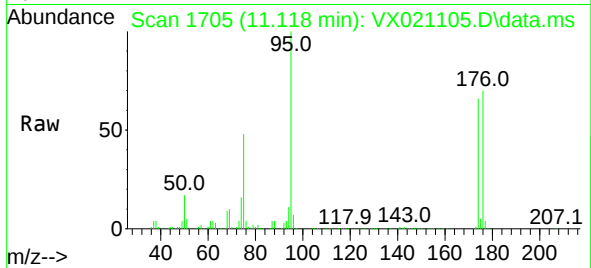




#62
4-Bromofluorobenzene
Concen: 53.05 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

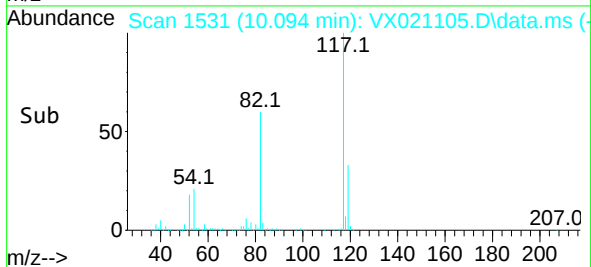
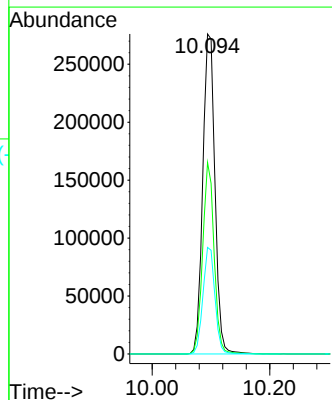
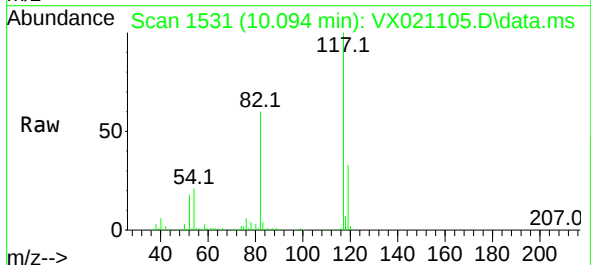
Instrument :
MSVOA_X
ClientSampleId :
GWBR1-155-175-030821

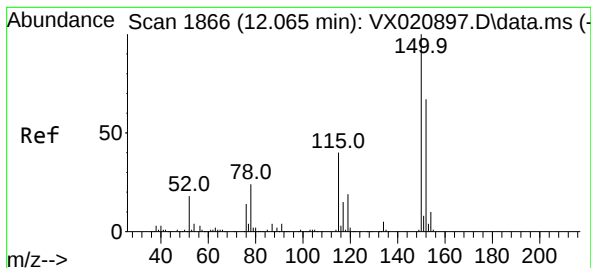
Tgt Ion: 95 Resp: 188040
Ion Ratio Lower Upper
95 100
174 75.4 0.0 154.6
176 75.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021105.D
Acq: 09 Mar 2021 14:06

Tgt Ion: 117 Resp: 397703
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 33.3 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.059 min Scan# 1865

Delta R.T. -0.006 min

Lab File: VX021105.D

Acq: 09 Mar 2021 14:06

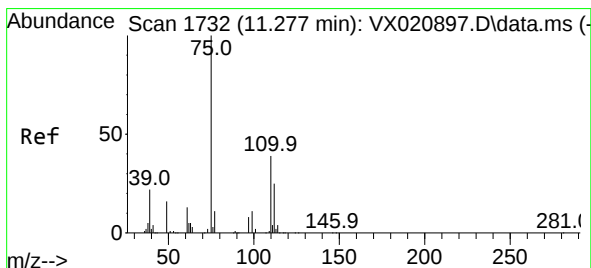
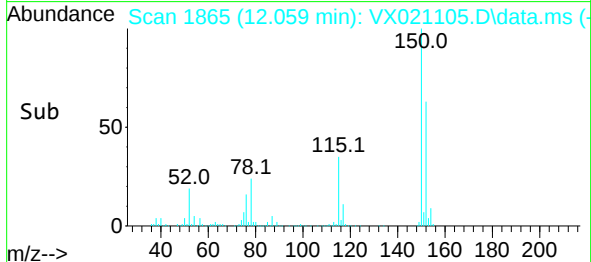
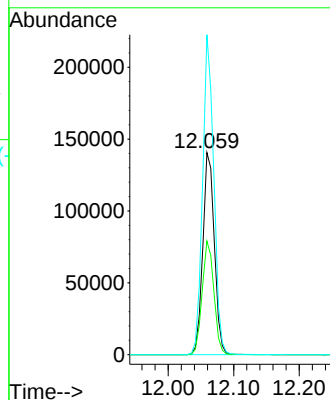
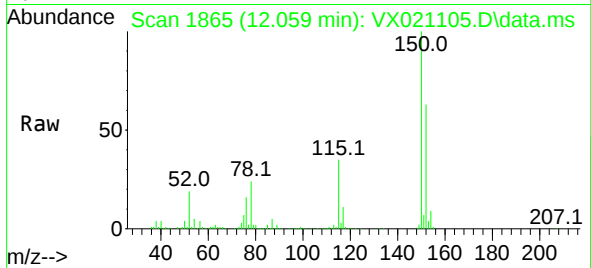
Tgt Ion:152 Resp: 172955

Ion Ratio Lower Upper

152 100

115 56.9 41.1 123.3

150 153.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 23.90 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. -0.159 min

Lab File: VX021105.D

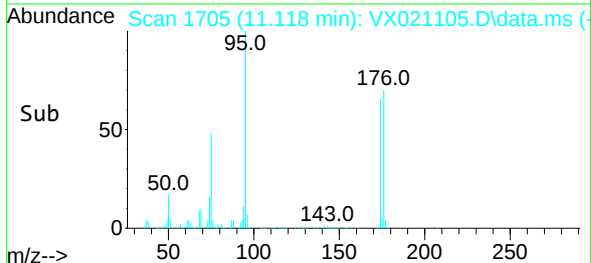
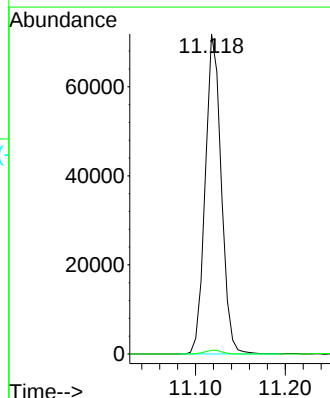
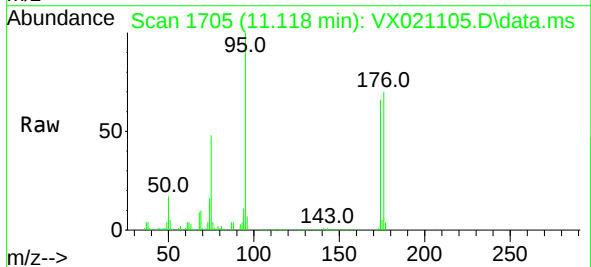
Acq: 09 Mar 2021 14:06

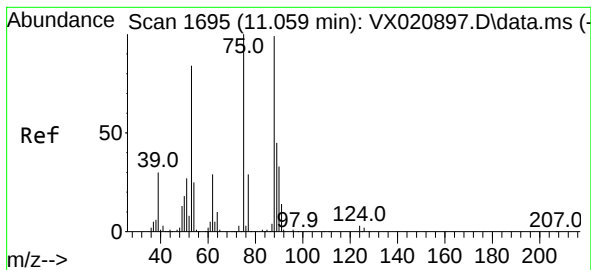
Tgt Ion: 75 Resp: 88910

Ion Ratio Lower Upper

75 100

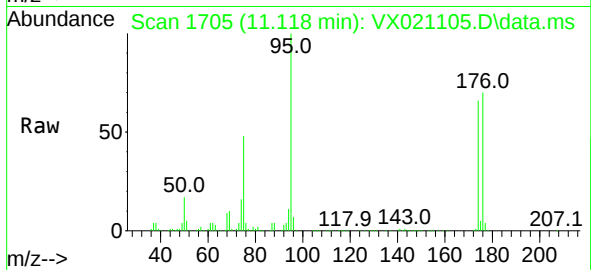
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.91 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021105.D
 Acq: 09 Mar 2021 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR1-155-175-030821



Tgt Ion: 75 Resp: 88910
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

