

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021057.D
 Acq On : 08 Mar 2021 13:53
 Operator : JC/MD
 Sample : M1594-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR3-187-200-030521

Quant Time: Mar 09 01:05:26 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)

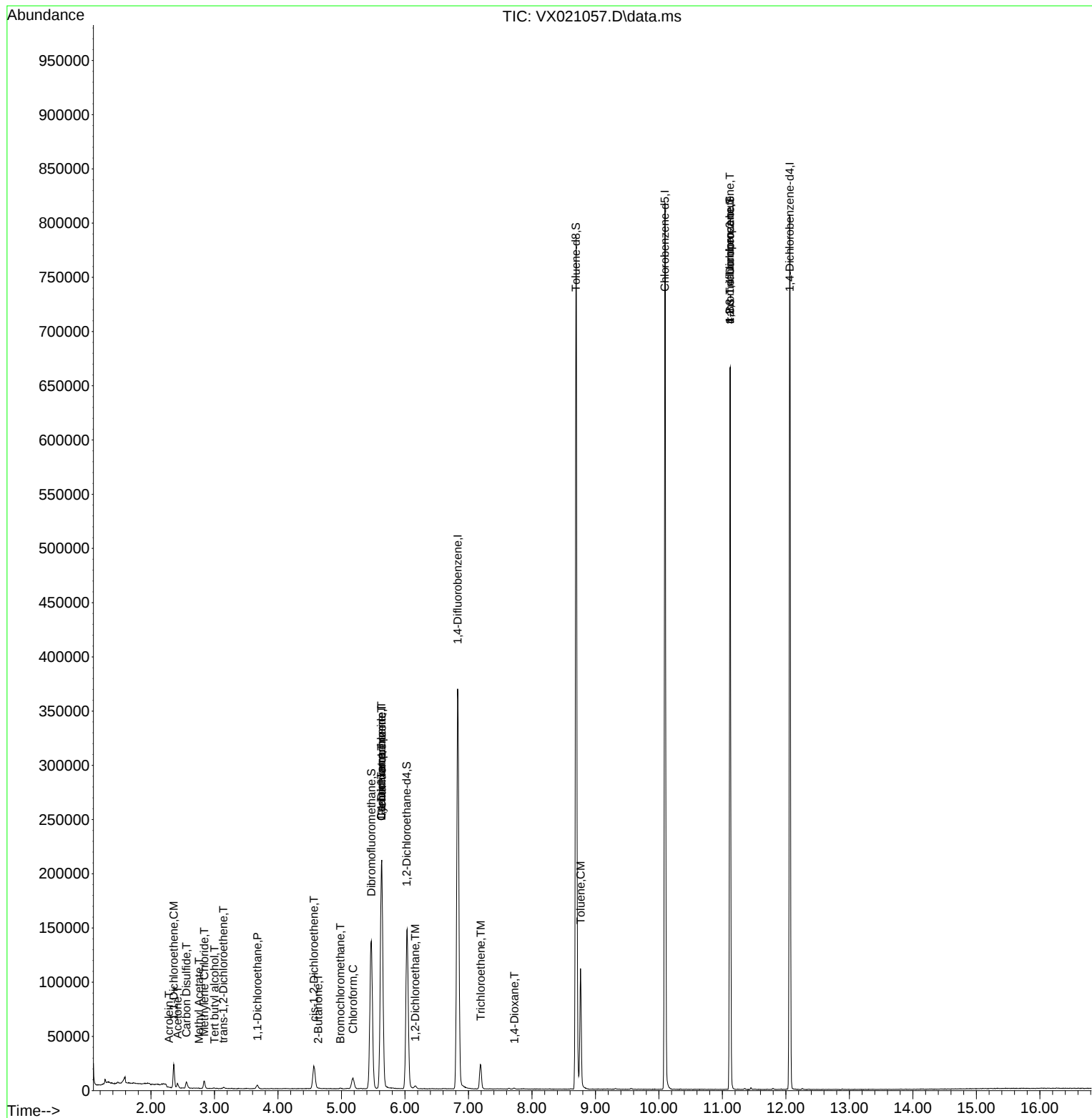
Internal Standards						
1) Pentafluorobenzene	5.635	168	208513	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	393313	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	382738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	178264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	140328	49.82	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.64%		
35) Dibromofluoromethane	5.470	113	121116	50.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.36%		
50) Toluene-d8	8.694	98	479582	51.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.94%		
62) 4-Bromofluorobenzene	11.118	95	189716	55.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.12%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.634	94	348	Below Cal		85
11) Tert butyl alcohol	2.999	59	237	0.38 ug/l #		73
12) 1,1-Dichloroethene	2.358	96	7372	3.16 ug/l		93
13) Acrolein	2.282	56	96	0.25 ug/l		98
16) Acetone	2.417	43	3940	3.39 ug/l		99
17) Carbon Disulfide	2.558	76	6228	0.94 ug/l #		92
18) Methyl Acetate	2.758	43	604	0.22 ug/l #		47
20) Methylene Chloride	2.840	84	3253	1.17 ug/l		94
21) trans-1,2-Dichloroethene	3.140	96	600	0.23 ug/l		82
24) 1,1-Dichloroethane	3.676	63	3664	0.81 ug/l		94
25) 2-Butanone	4.635	43	794	0.45 ug/l #		45
27) cis-1,2-Dichloroethene	4.564	96	14064	4.66 ug/l		88
28) Bromochloromethane	4.982	49	509	0.26 ug/l #		67
30) Chloroform	5.182	83	12125	2.66 ug/l		98
31) Cyclohexane	5.629	56	4036	0.99 ug/l #		1
36) 1,1-Dichloropropene	5.629	75	15757	4.21 ug/l #		48
38) Carbon Tetrachloride	5.629	117	19887	5.49 ug/l #		16
42) 1,2-Dichloroethane	6.164	62	2718	0.73 ug/l		99
44) Trichloroethene	7.194	130	9144	3.10 ug/l		97
49) 1,4-Dioxane	7.723	88	590	8.33 ug/l #		96
52) Toluene	8.765	92	41186	5.90 ug/l		99
76) 1,2,3-Trichloropropane	11.118	75	90489	23.60 ug/l #		39
81) trans-1,4-Dichloro-2-b...	11.118	75	90489	52.24 ug/l #		12

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

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Response via : Initial Calibration

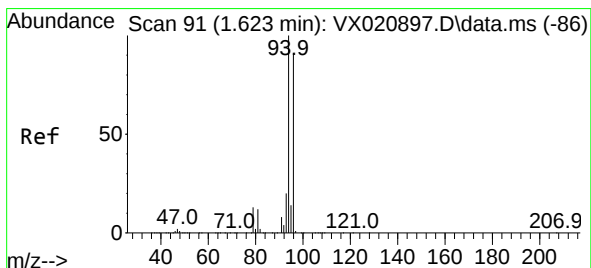
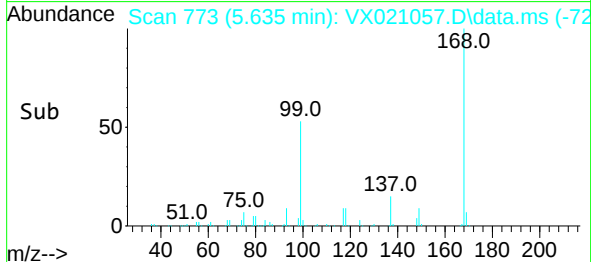
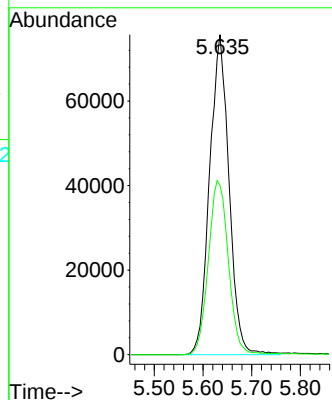
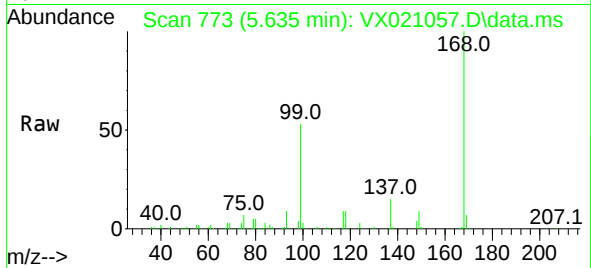




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

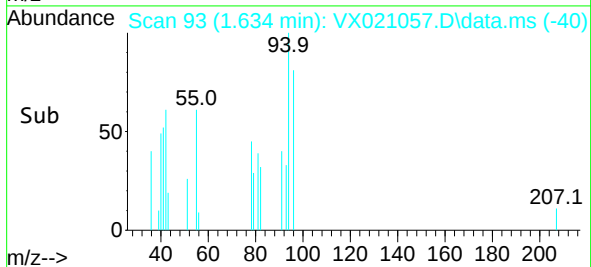
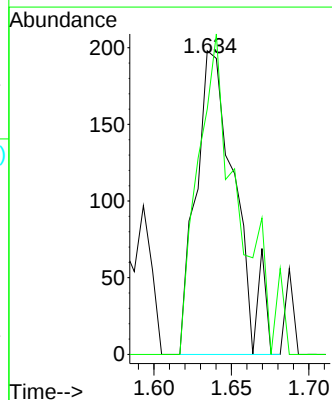
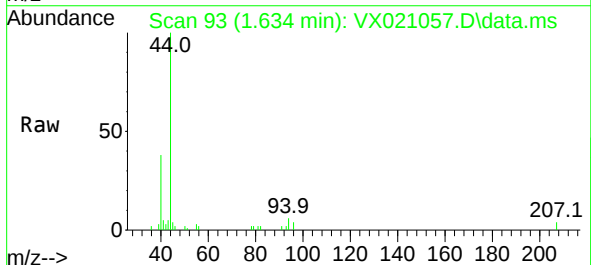
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

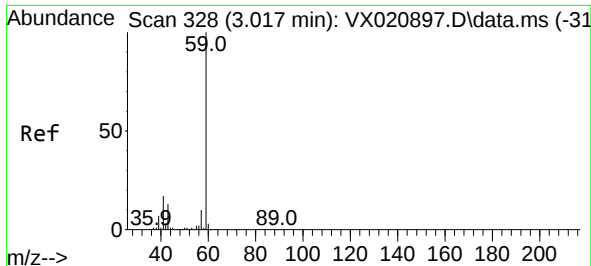
Tgt Ion:168 Resp: 208513
Ion Ratio Lower Upper
168 100
99 52.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 94 Resp: 348
Ion Ratio Lower Upper
94 100
96 80.8 76.4 114.6

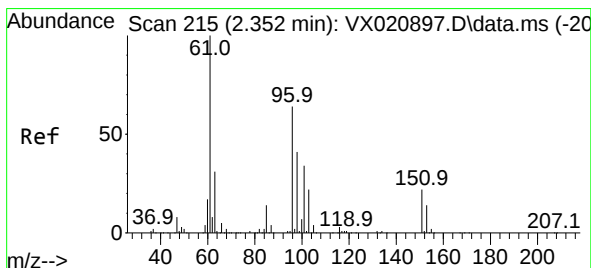
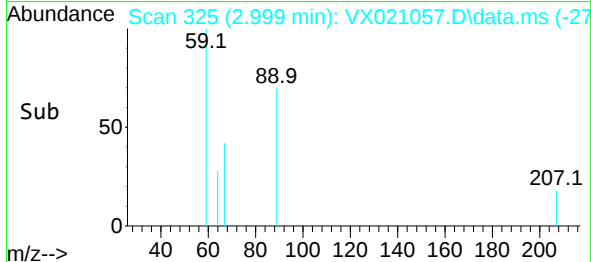
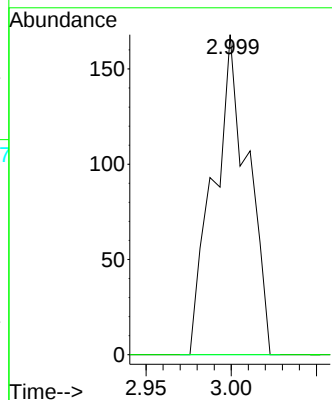
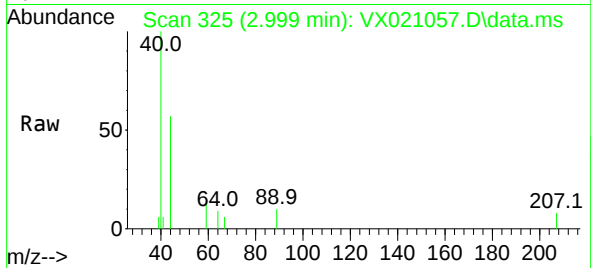




#11
Tert butyl alcohol
Concen: 0.38 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

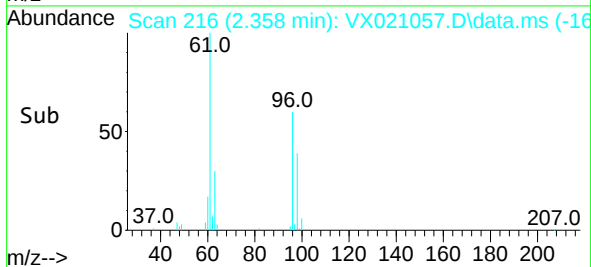
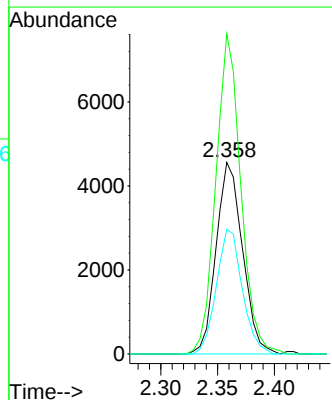
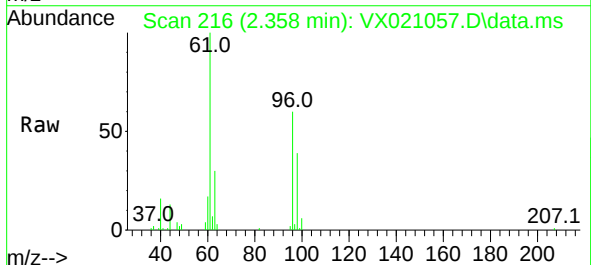
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

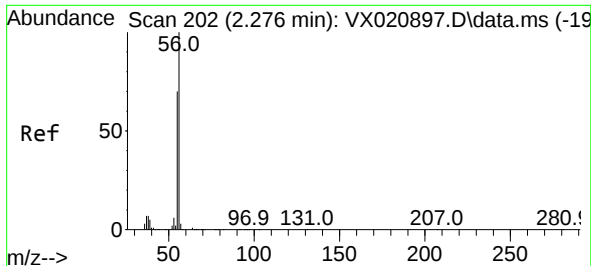
Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 3.16 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 96 Resp: 7372
Ion Ratio Lower Upper
96 100
61 167.0 124.6 187.0
98 65.1 50.6 76.0

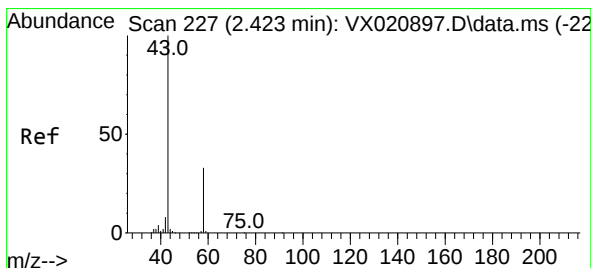
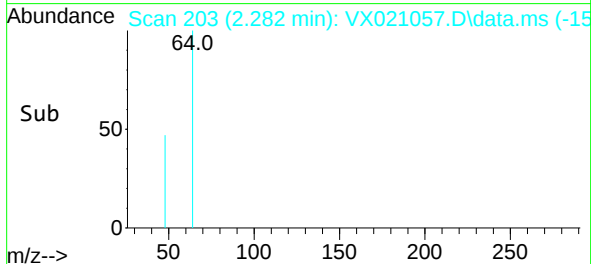
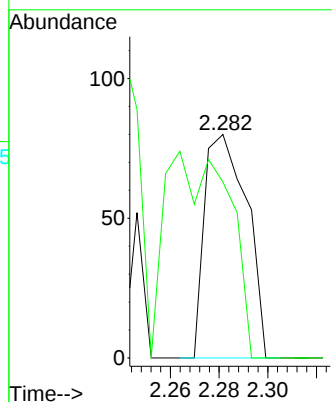
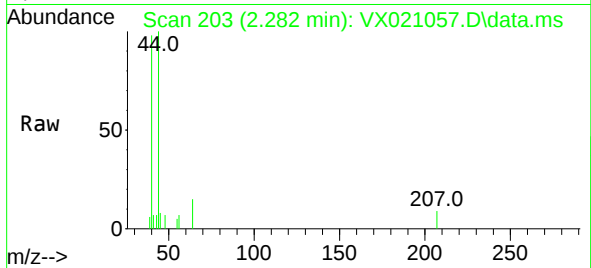




#13
Acrolein
Concen: 0.25 ug/l
RT: 2.282 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

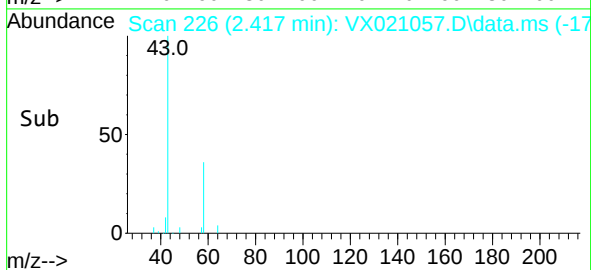
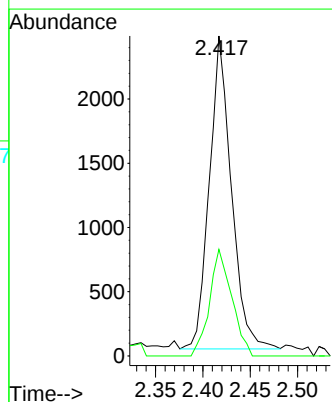
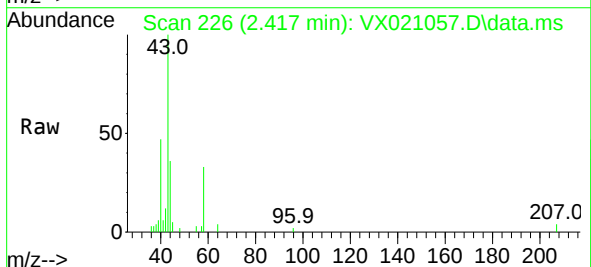
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

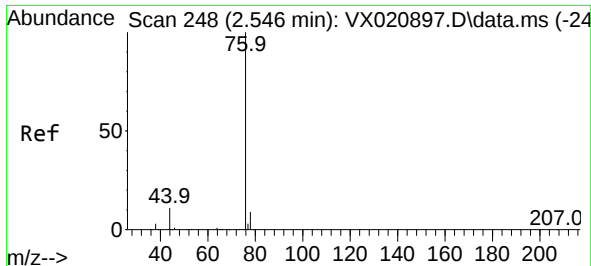
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 71.9 56.4 84.6



#16
Acetone
Concen: 3.39 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

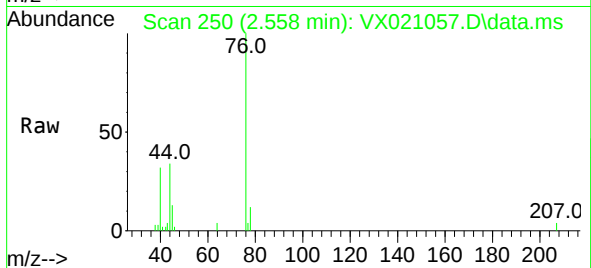
Tgt Ion: 43 Resp: 3940
Ion Ratio Lower Upper
43 100
58 34.0 27.8 41.8



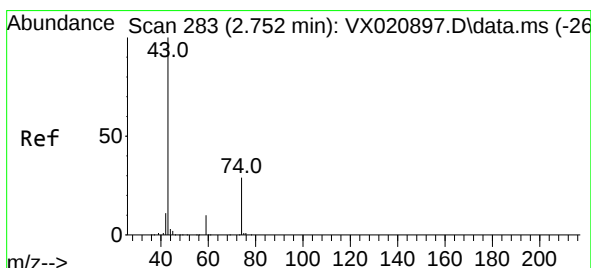
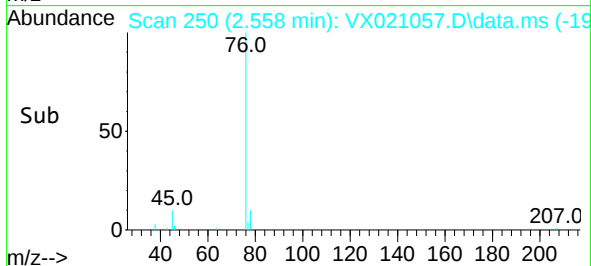
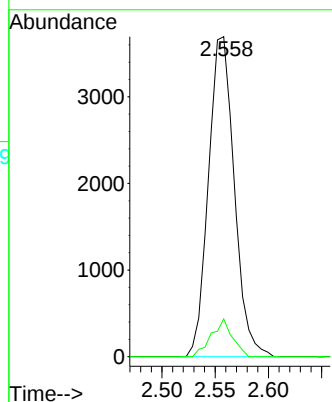


#17
Carbon Disulfide
Concen: 0.94 ug/l
RT: 2.558 min Scan# 250
Delta R.T. 0.012 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

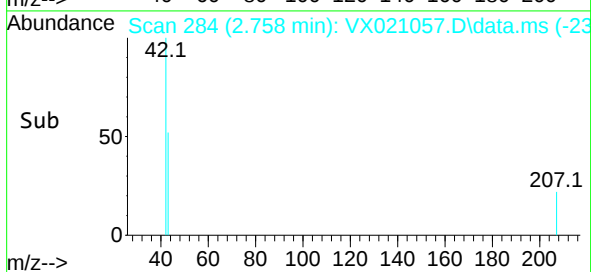
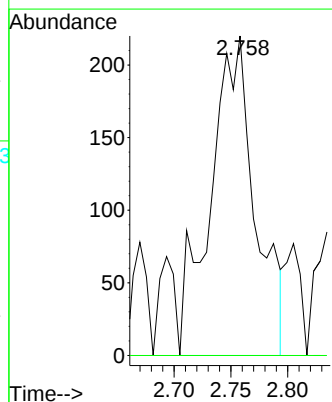
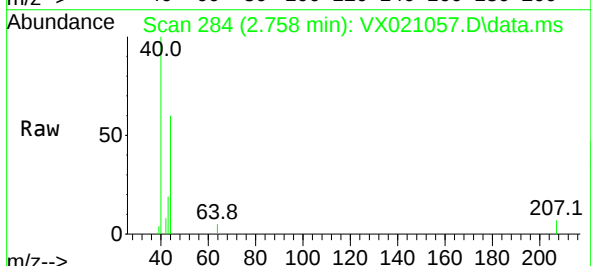


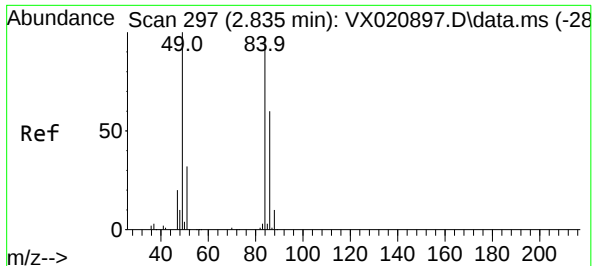
Tgt Ion: 76 Resp: 6228
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

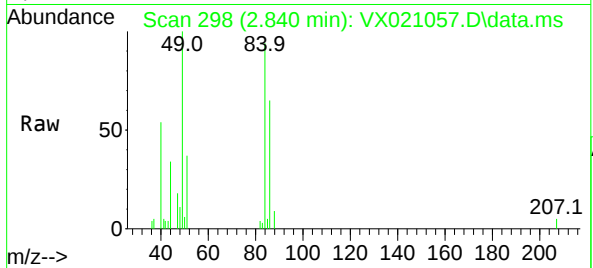
Tgt Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



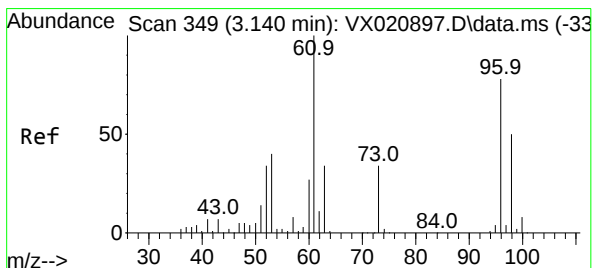
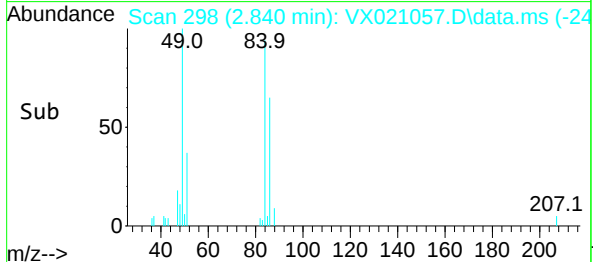
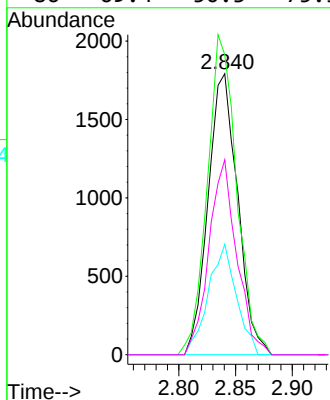


#20
Methylene Chloride
Concen: 1.17 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

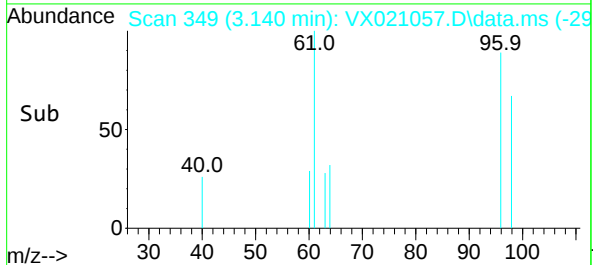
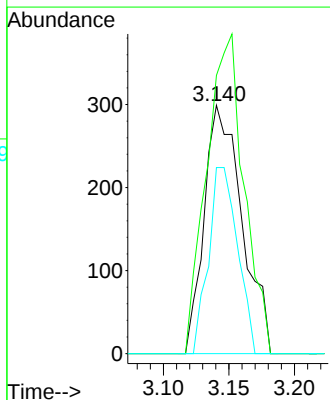
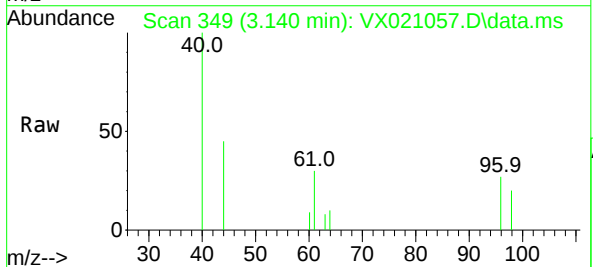


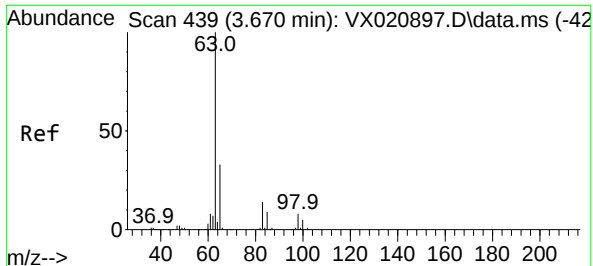
Tgt Ion: 84	Resp: 3253
Ion Ratio	Lower Upper
84 100	
49 106.7	88.6 132.8
51 39.3	27.0 40.6
86 69.4	50.3 75.5



#21
trans-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 3.140 min Scan# 349
Delta R.T. 0.000 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 96	Resp: 600
Ion Ratio	Lower Upper
96 100	
61 112.0	107.7 161.5
98 74.9	50.4 75.6

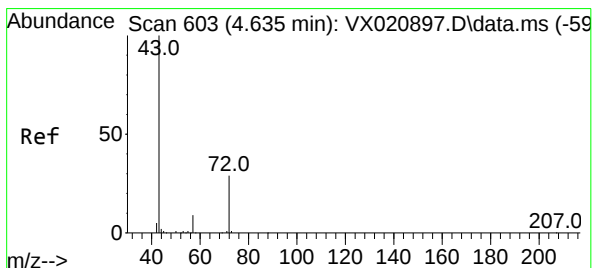
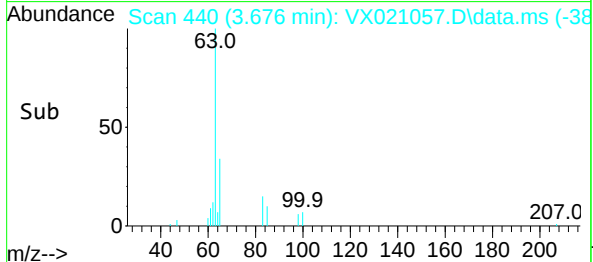
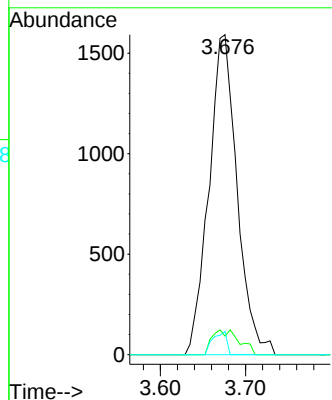
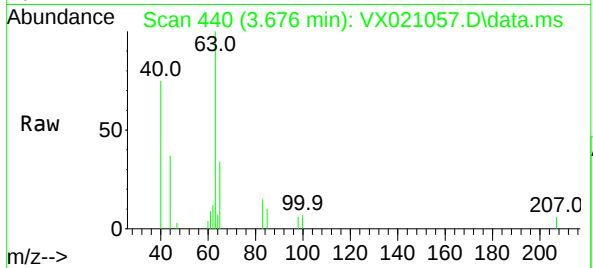




#24
1,1-Dichloroethane
Concen: 0.81 ug/l
RT: 3.676 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

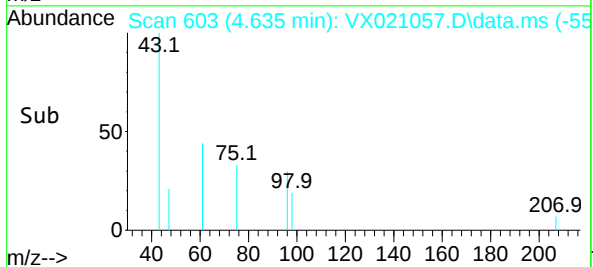
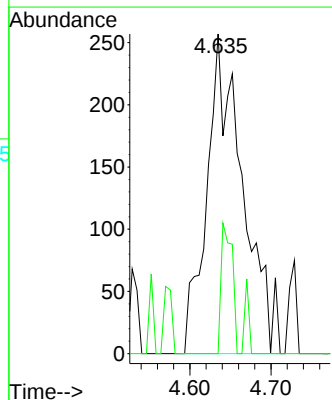
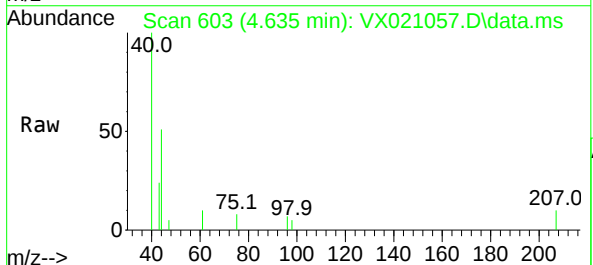
Instrument :
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ClientSampleId :
GWBR3-187-200-030521

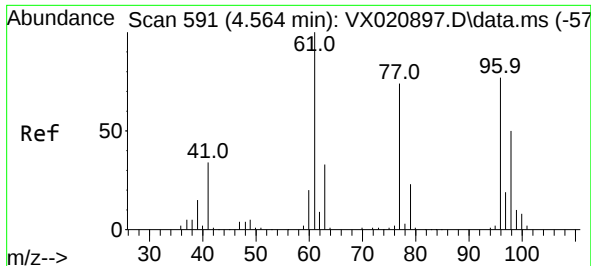
Tgt Ion:	63	Resp:	3664
Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.8	11.2
100	7.2	2.5	7.5



#25
2-Butanone
Concen: 0.45 ug/l
RT: 4.635 min Scan# 603
Delta R.T. 0.000 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion:	43	Resp:	794
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5





#27

cis-1,2-Dichloroethene

Concen: 4.66 ug/l

RT: 4.564 min Scan# 591

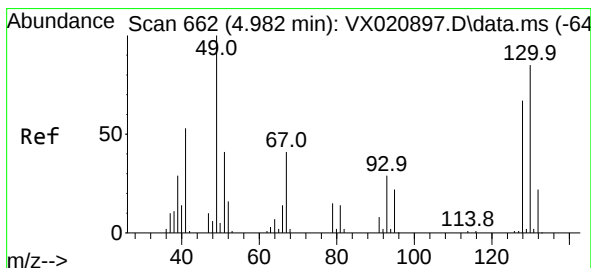
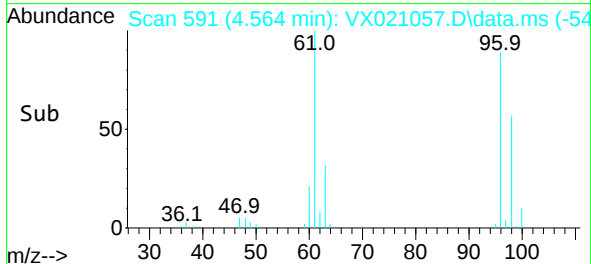
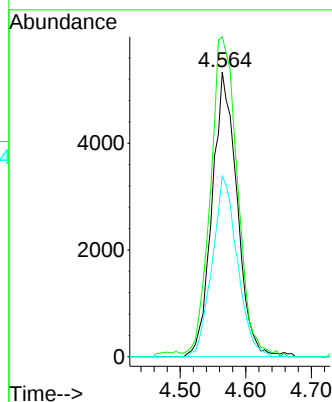
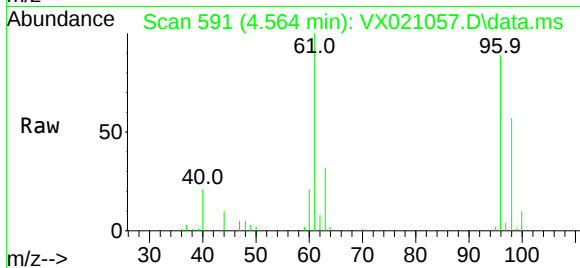
Delta R.T. 0.000 min

Lab File: VX021057.D

Acq: 08 Mar 2021 13:53

Tgt Ion: 96 Resp: 14064

Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	285.6
98	63.9	0.0	129.6



#28

Bromochloromethane

Concen: 0.26 ug/l

RT: 4.982 min Scan# 662

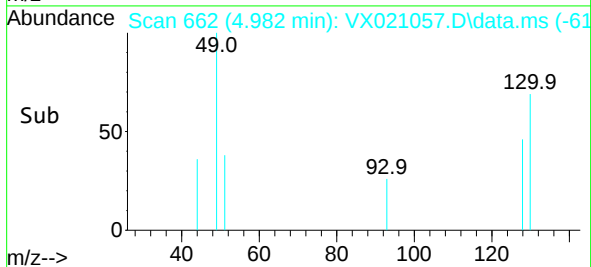
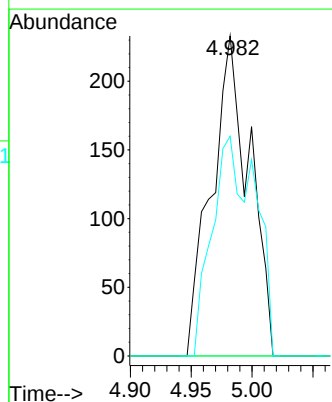
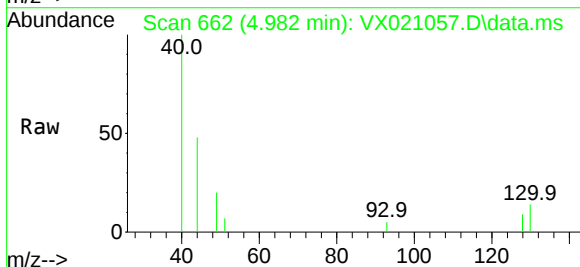
Delta R.T. 0.000 min

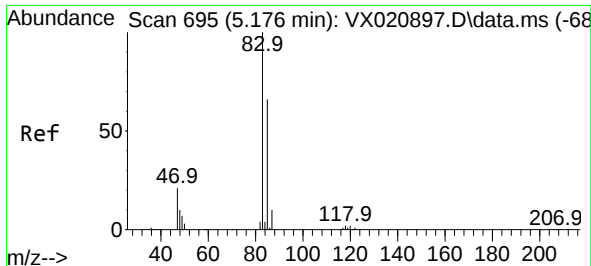
Lab File: VX021057.D

Acq: 08 Mar 2021 13:53

Tgt Ion: 49 Resp: 509

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	54.0	68.2	102.2#





#30

Chloroform

Concen: 2.66 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

Lab File: VX021057.D

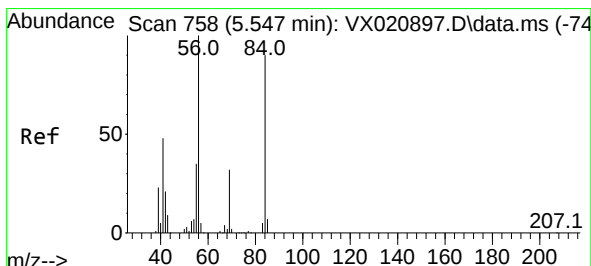
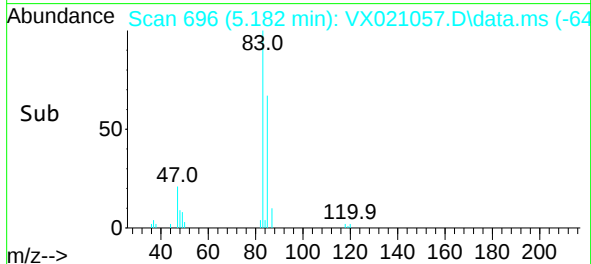
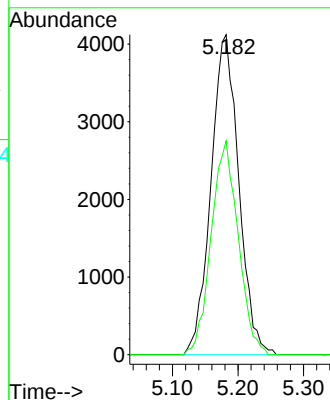
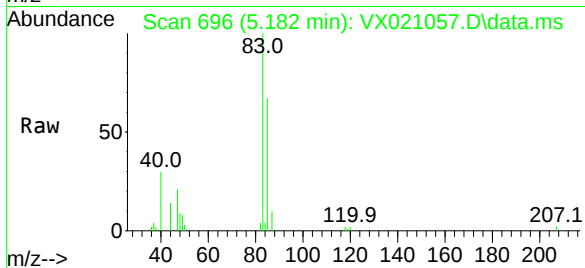
Acq: 08 Mar 2021 13:53

Tgt Ion: 83 Resp: 12125

Ion Ratio Lower Upper

83 100

85 66.9 52.0 78.0



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021057.D

Acq: 08 Mar 2021 13:53

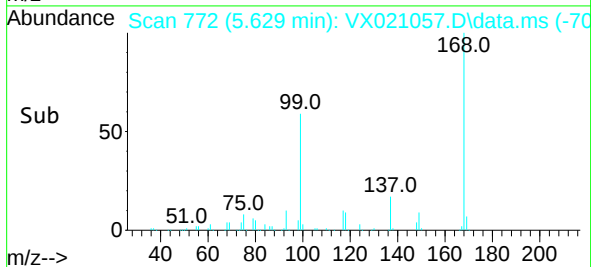
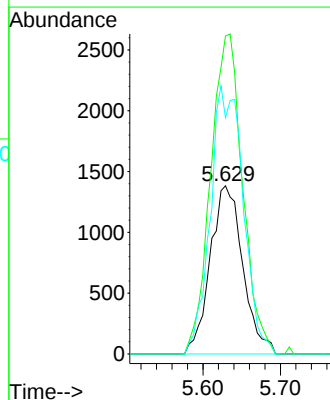
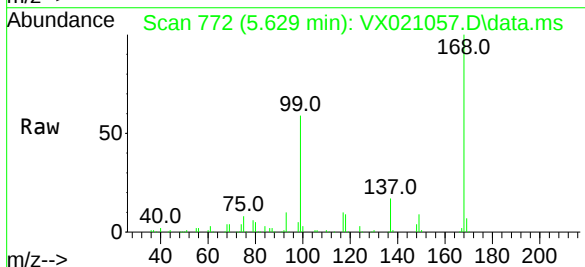
Tgt Ion: 56 Resp: 4036

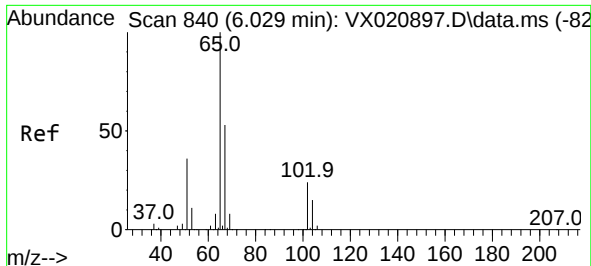
Ion Ratio Lower Upper

56 100

69 189.1 25.3 37.9#

84 140.6 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.82 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021057.D

Acq: 08 Mar 2021 13:53

Tgt Ion: 65 Resp: 140328

Ion Ratio Lower Upper

65 100

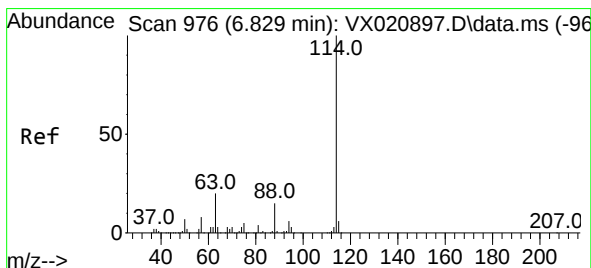
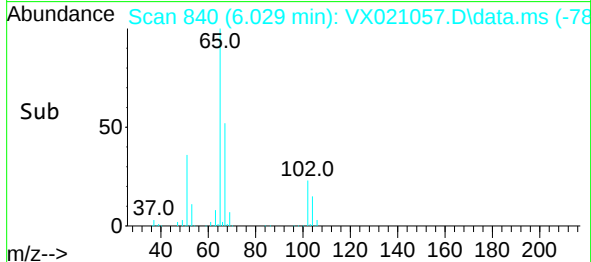
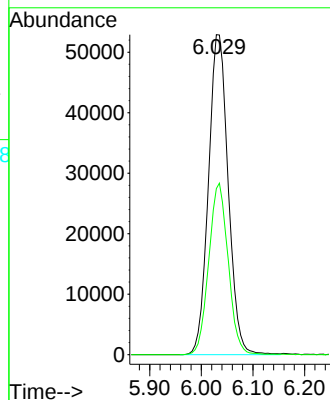
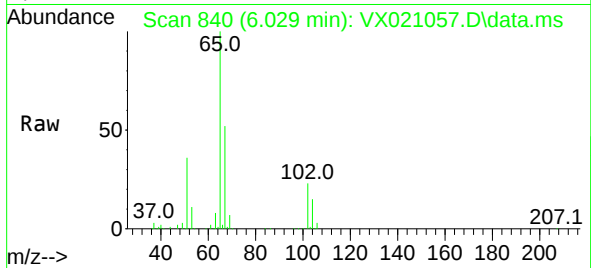
67 52.7 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

GWBR3-187-200-030521



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021057.D

Acq: 08 Mar 2021 13:53

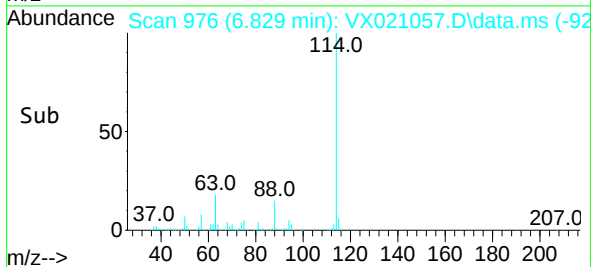
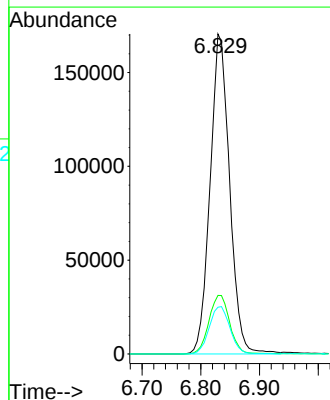
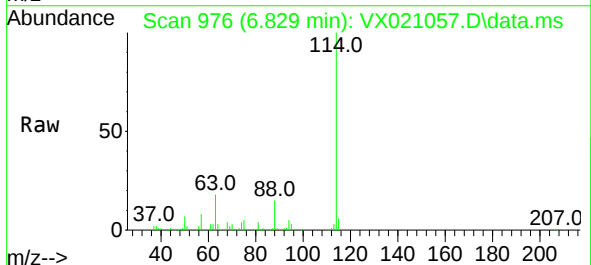
Tgt Ion: 114 Resp: 393313

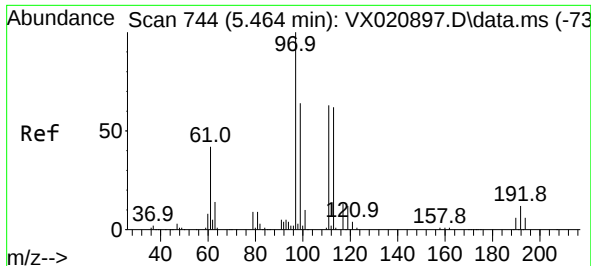
Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.8

88 14.6 0.0 32.8

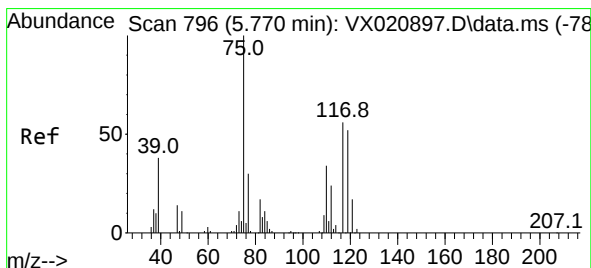
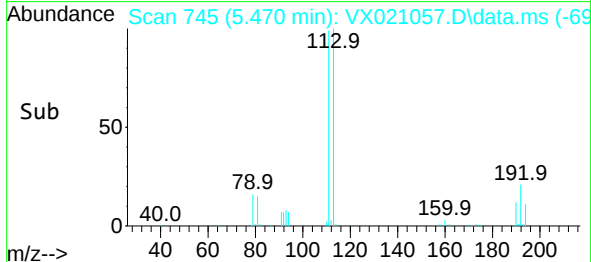
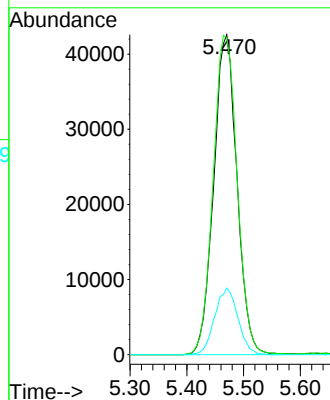
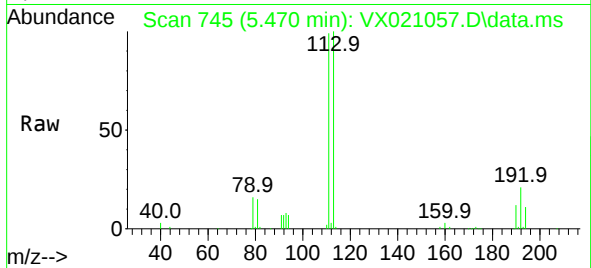




#35
Dibromofluoromethane
Concen: 50.68 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

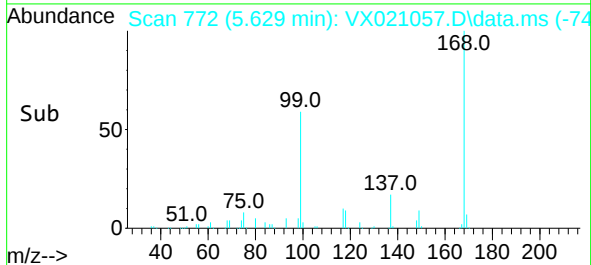
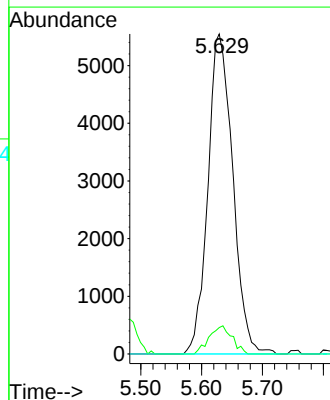
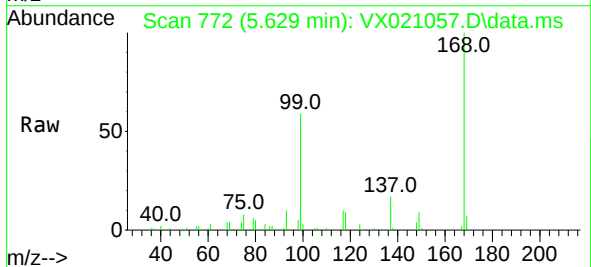
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

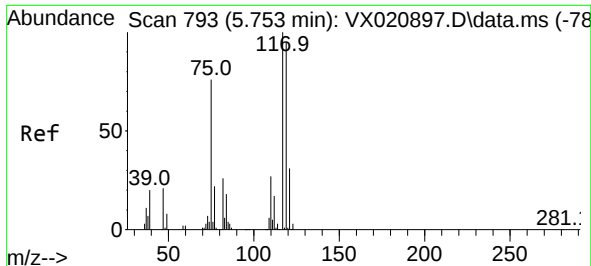
Tgt Ion:113 Resp: 121116
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.21 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 75 Resp: 15757
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#

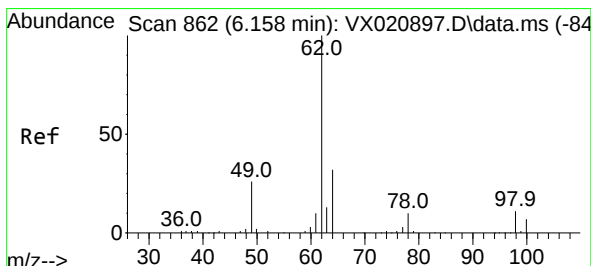
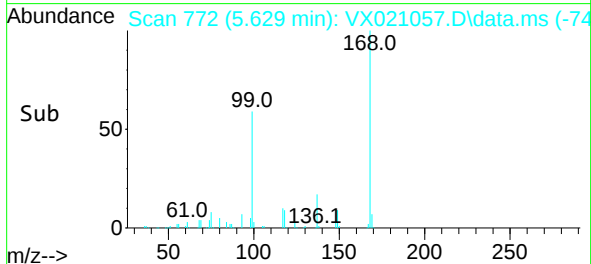
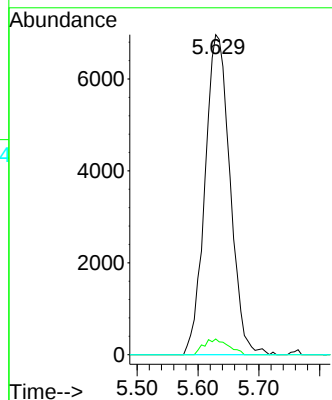
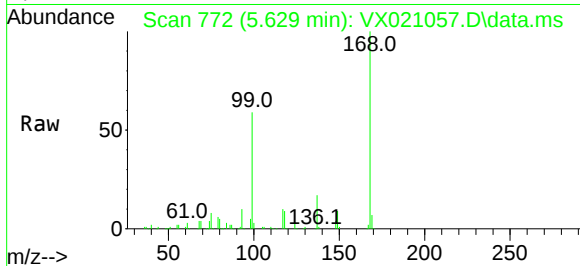




#38
Carbon Tetrachloride
Concen: 5.49 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

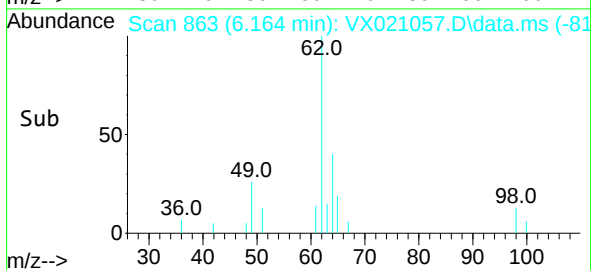
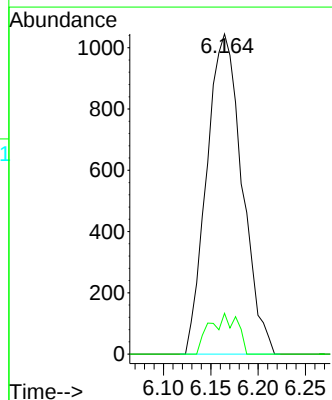
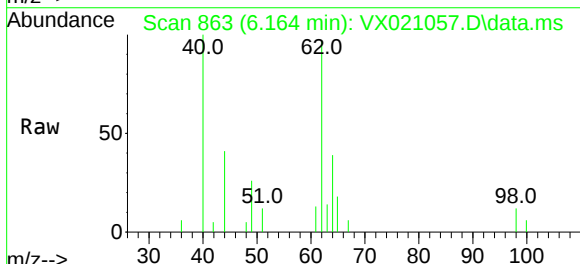
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

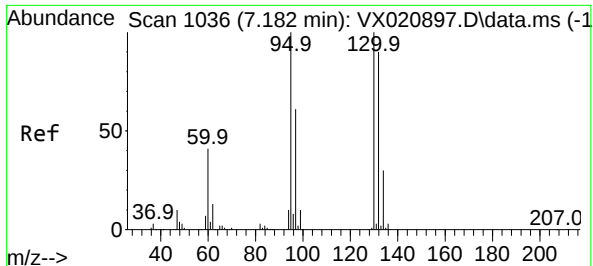
Tgt Ion:117 Resp: 19887
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.73 ug/l
RT: 6.164 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 62 Resp: 2718
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.2

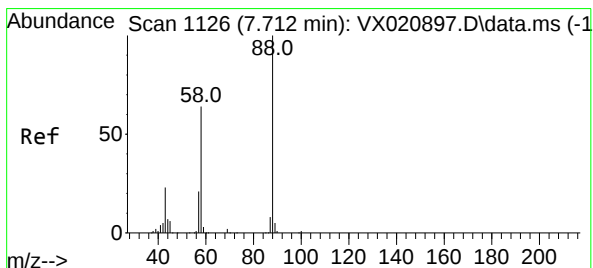
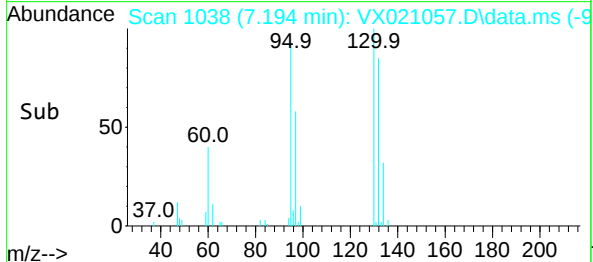
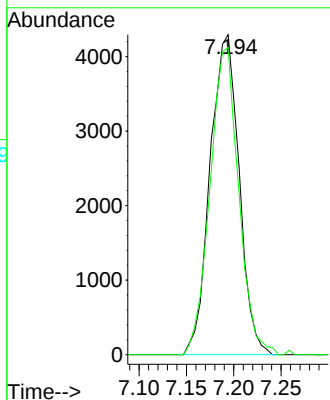
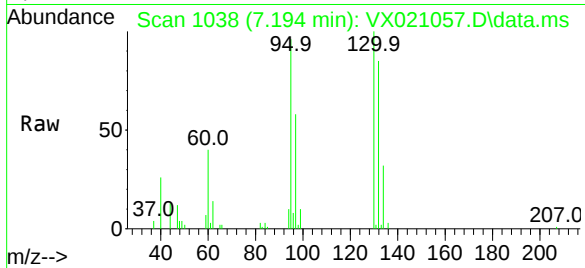




#44
Trichloroethene
Concen: 3.10 ug/l
RT: 7.194 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

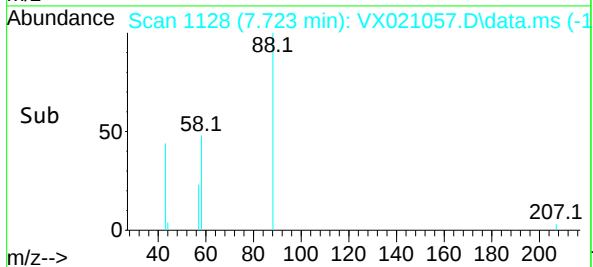
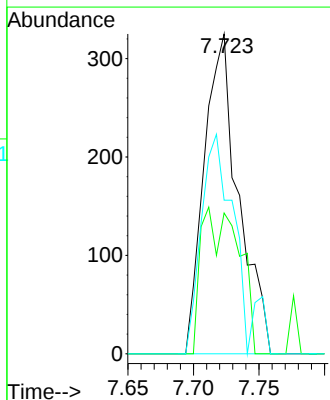
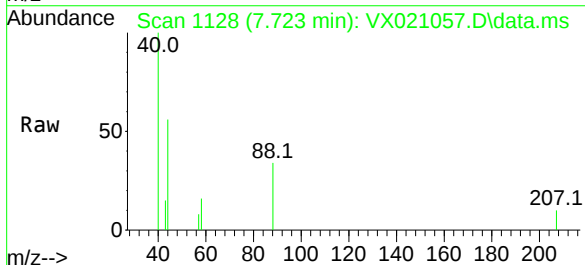
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

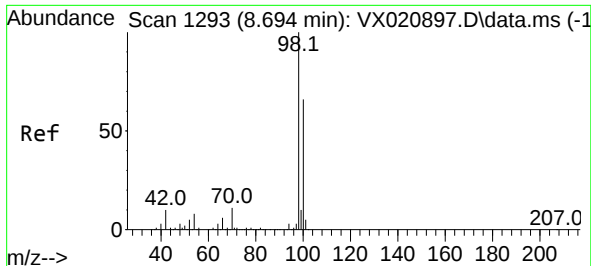
Tgt Ion:130 Resp: 9144
Ion Ratio Lower Upper
130 100
95 96.0 0.0 198.0



#49
1,4-Dioxane
Concen: 8.33 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 88 Resp: 590
Ion Ratio Lower Upper
88 100
43 22.5 23.2 34.8#
58 68.6 55.0 82.4

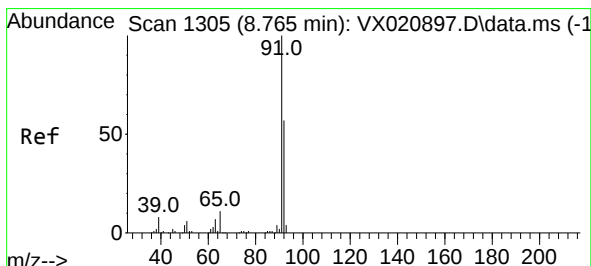
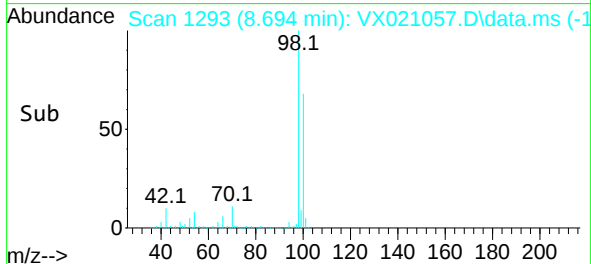
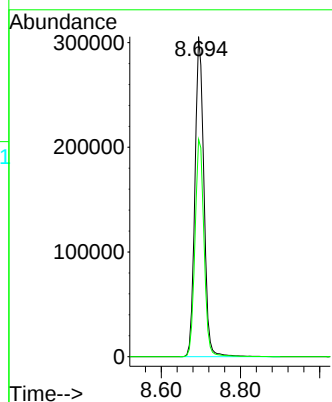
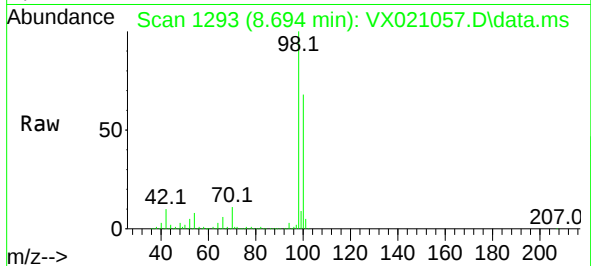




#50
Toluene-d8
Concen: 51.47 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

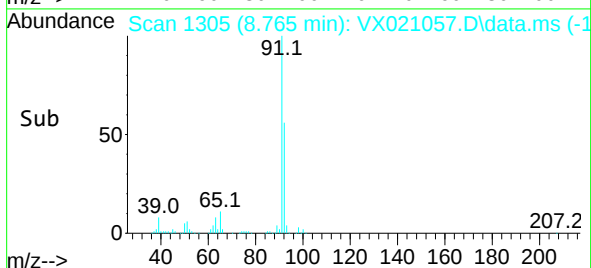
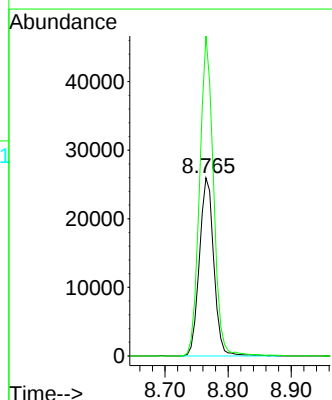
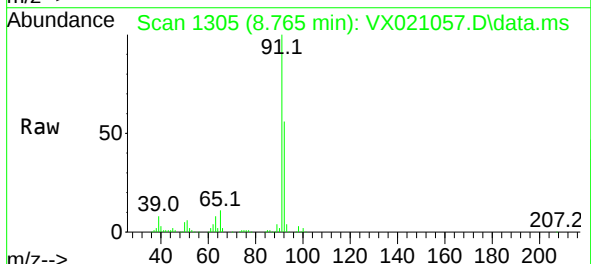
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

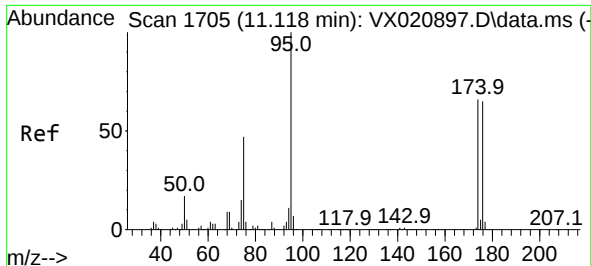
Tgt Ion: 98 Resp: 479582
Ion Ratio Lower Upper
98 100
100 68.3 51.9 77.9



#52
Toluene
Concen: 5.90 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 92 Resp: 41186
Ion Ratio Lower Upper
92 100
91 173.1 137.1 205.7

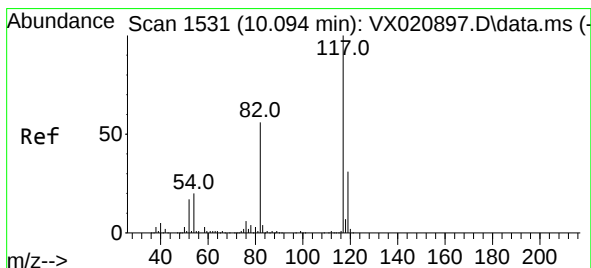
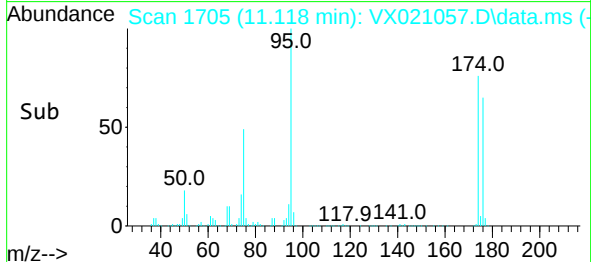
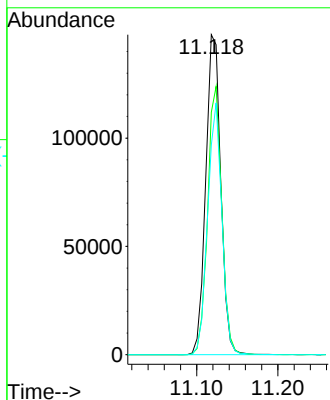
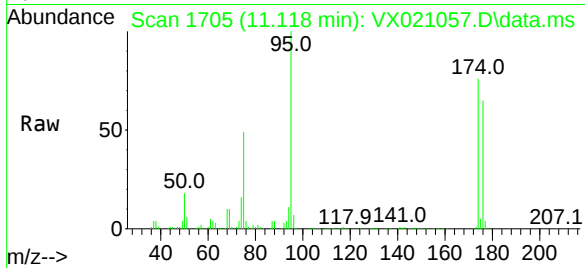




#62
4-Bromofluorobenzene
Concen: 55.06 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

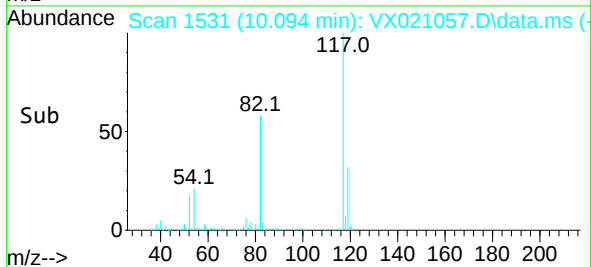
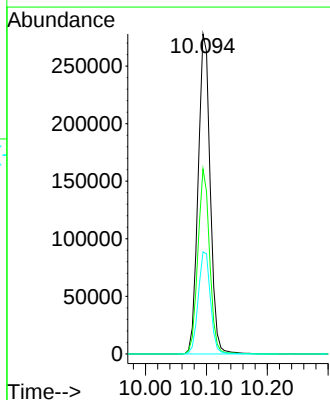
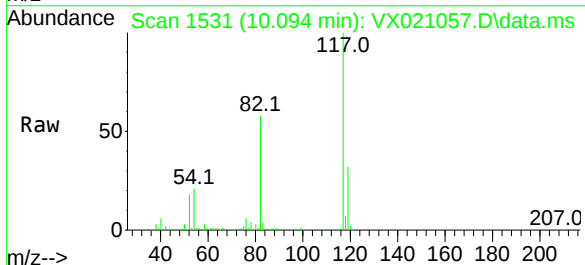
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

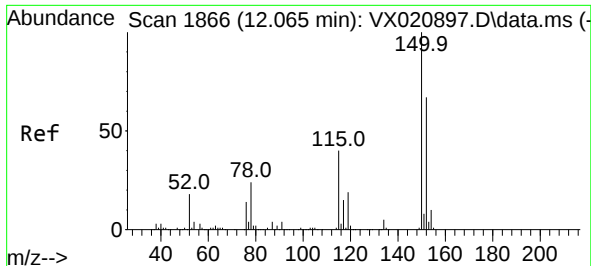
Tgt Ion: 95 Resp: 189716
Ion Ratio Lower Upper
95 100
174 79.3 0.0 154.6
176 74.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

Tgt Ion: 117 Resp: 382738
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.9 26.6 39.8

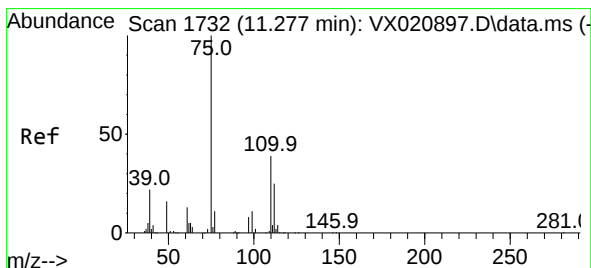
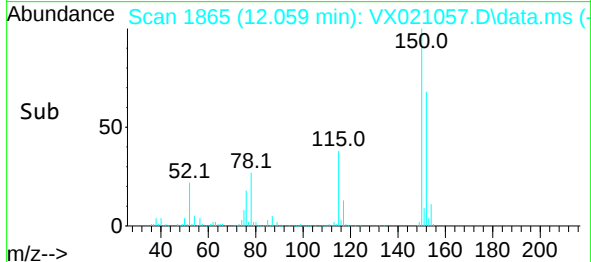
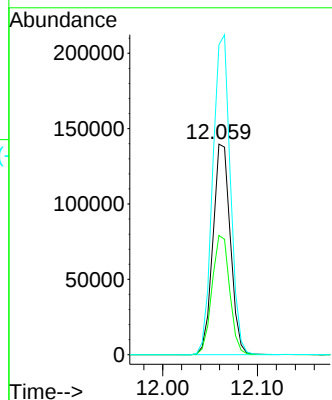
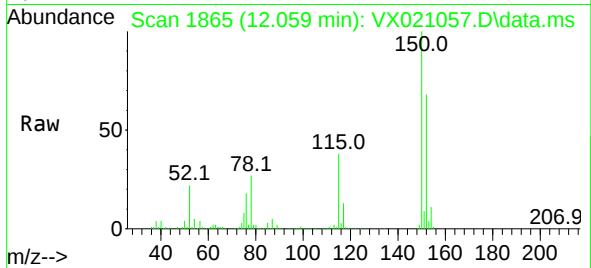




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

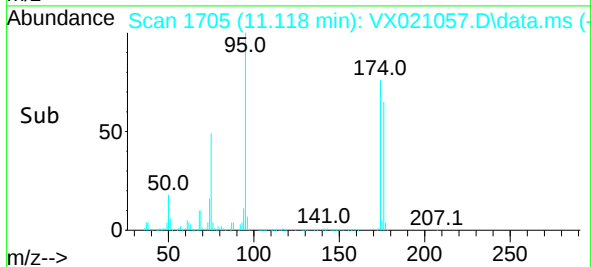
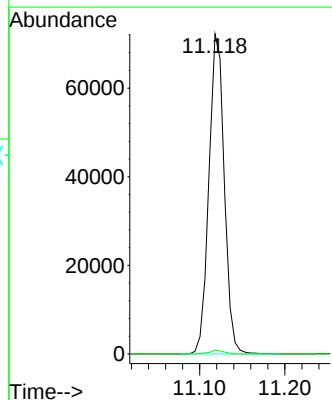
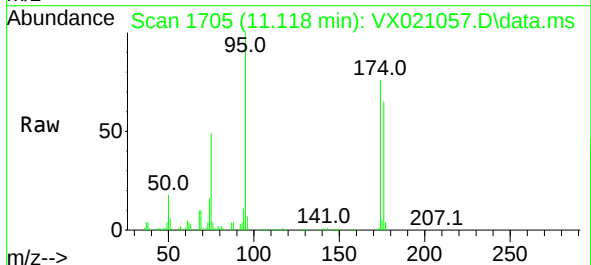
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-187-200-030521

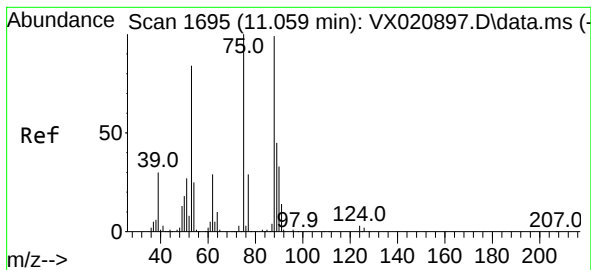
Tgt Ion:152 Resp: 178264
Ion Ratio Lower Upper
152 100
115 57.3 41.1 123.3
150 153.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 23.60 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021057.D
Acq: 08 Mar 2021 13:53

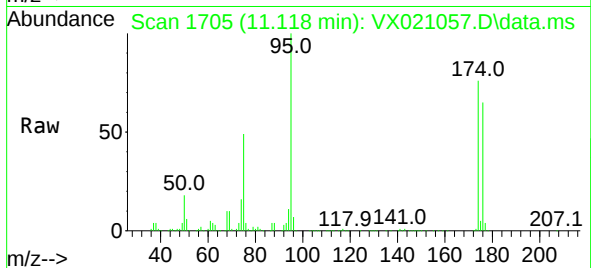
Tgt Ion: 75 Resp: 90489
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.24 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021057.D
 Acq: 08 Mar 2021 13:53

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR3-187-200-030521



Tgt Ion: 75 Resp: 90489
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

