

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012021\
 Data File : VX020687.D
 Acq On : 20 Jan 2021 17:48
 Operator : JC/SP
 Sample : M1178-01DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR3-66-76-011921DL

Quant Time: Jan 21 00:34:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 14:09:08 2021
 Response via : Initial Calibration

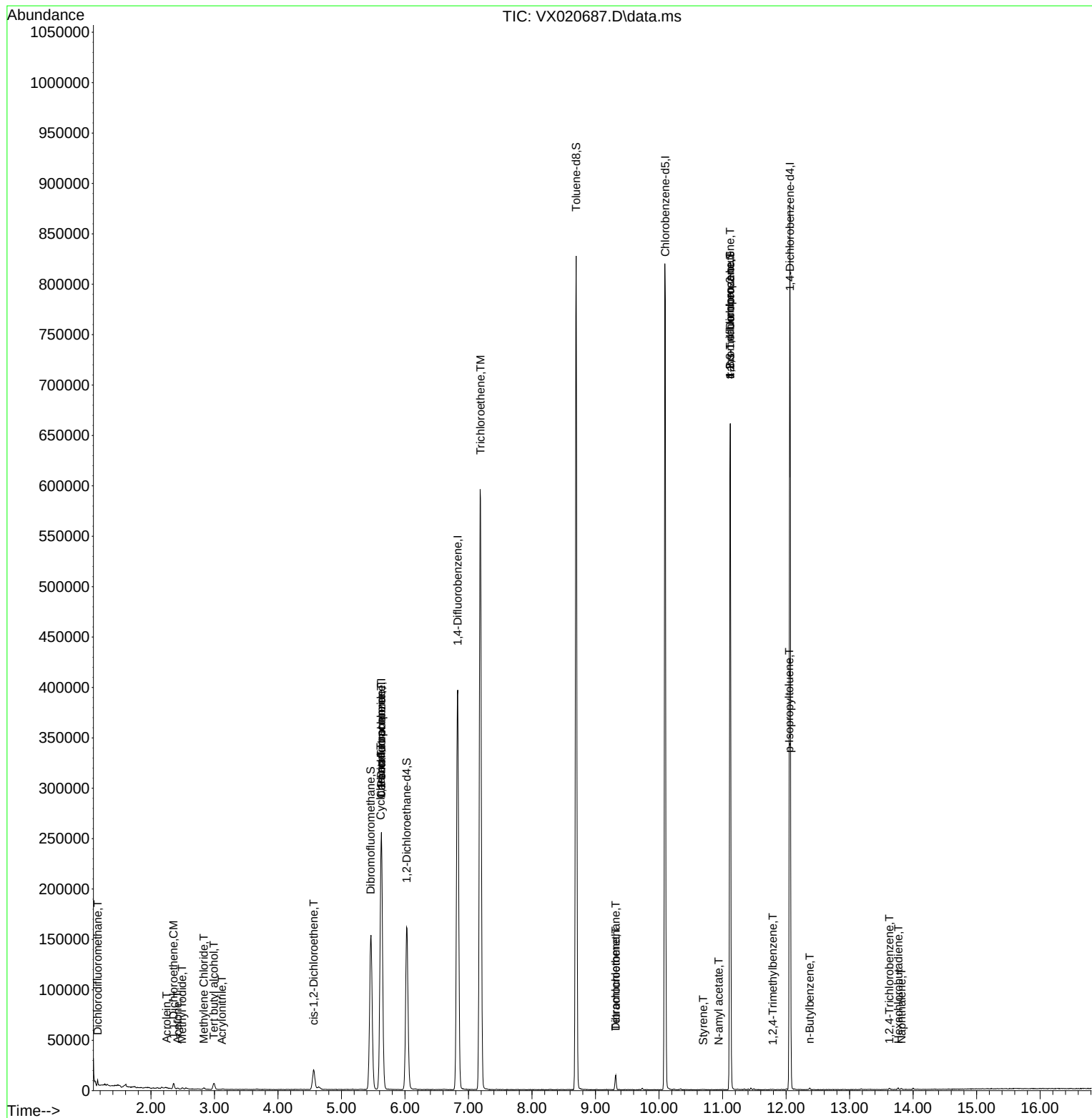
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	240778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	411935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	389074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	173817	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	157546	47.86	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.72%
35) Dibromofluoromethane	5.458	113	133714	47.11	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.22%
50) Toluene-d8	8.696	98	505119	49.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.72%
62) 4-Bromofluorobenzene	11.122	95	188070	48.62	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.24%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	605	0.91	ug/l	85
6) Chloroethane	1.575	64	29	Below Cal	#	43
10) Methyl Iodide	2.489	142	1149	0.32	ug/l #	86
11) Tert butyl alcohol	2.989	59	3695	6.33	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	1746	0.68	ug/l	85
13) Acrolein	2.246	56	22	30.37	ug/l #	1
15) Acrylonitrile	3.117	53	301	0.21	ug/l #	78
16) Acetone	2.416	43	883	0.69	ug/l #	87
20) Methylene Chloride	2.831	84	660	0.21	ug/l #	78
27) cis-1,2-Dichloroethene	4.562	96	12922	3.98	ug/l	91
31) Cyclohexane	5.617	56	4447	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	18795	4.53	ug/l #	48
38) Carbon Tetrachloride	5.623	117	24075	5.43	ug/l #	18
44) Trichloroethene	7.190	130	242122	73.13	ug/l	99
60) Dibromochloromethane	9.317	129	2545	0.75	ug/l #	11
64) Tetrachloroethene	9.317	164	2740	0.88	ug/l	90
70) Styrene	10.695	104	211	1.44	ug/l #	83
74) N-amyl acetate	10.939	43	23	1.94	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	88637	21.25	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	88637	61.46	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.793	105	293	0.42	ug/l	95
86) p-Isopropyltoluene	12.049	119	468	0.92	ug/l #	1
89) n-Butylbenzene	12.372	91	577	1.48	ug/l	90
93) 1,2,4-Trichlorobenzene	13.628	180	437	2.34	ug/l	90
94) Hexachlorobutadiene	13.768	225	400	0.23	ug/l	98
95) Naphthalene	13.817	128	1009	2.02	ug/l #	87

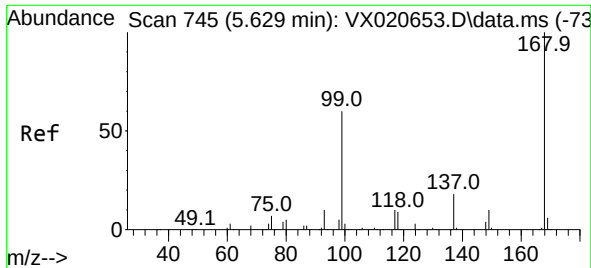
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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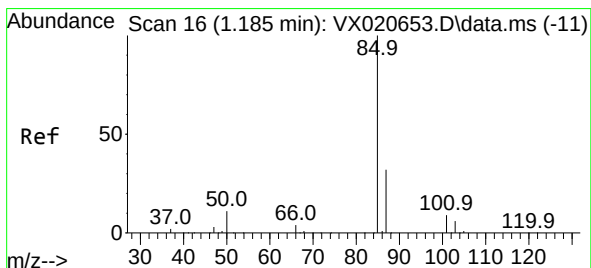
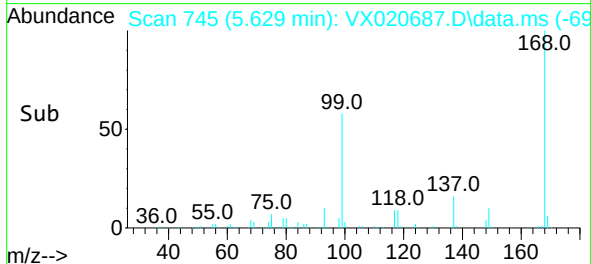
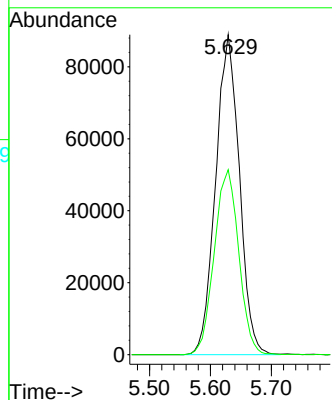
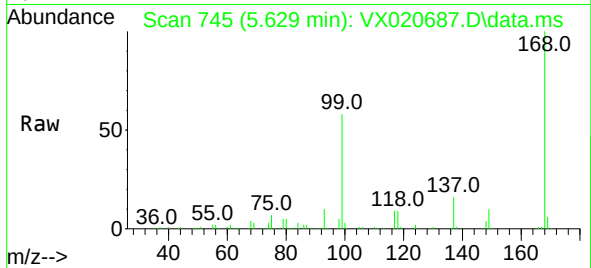




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

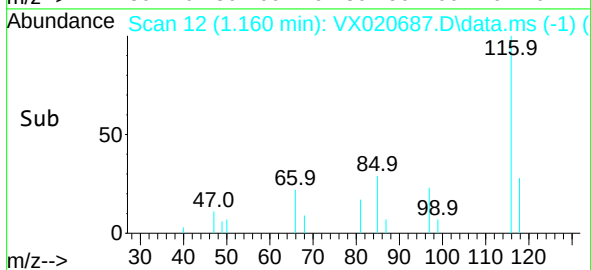
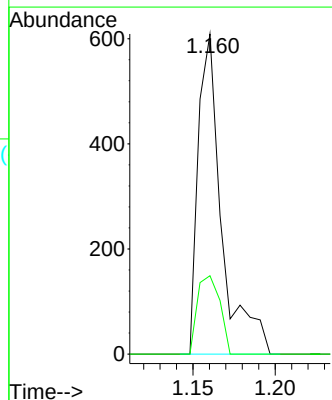
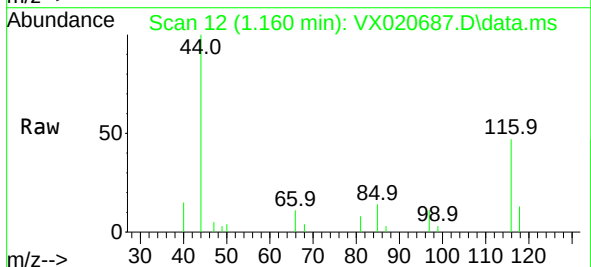
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

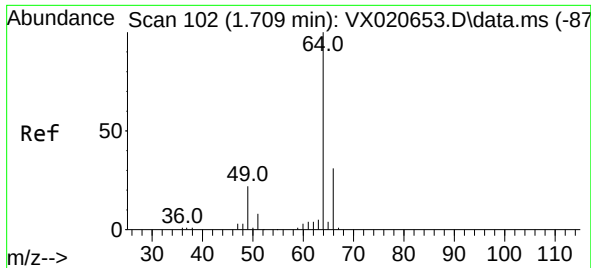
Tgt Ion:168 Resp: 240778
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.91 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.025 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 85 Resp: 605
Ion Ratio Lower Upper
85 100
87 24.5 16.4 49.2

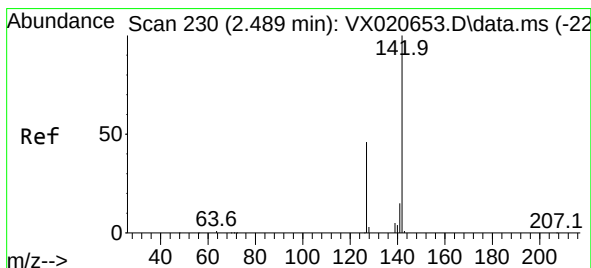
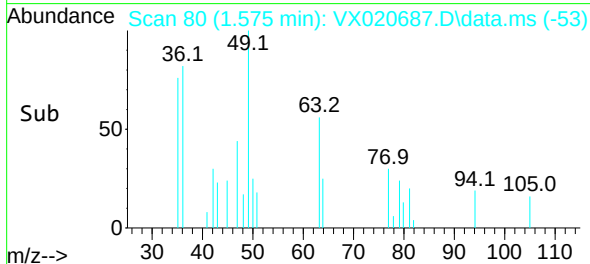
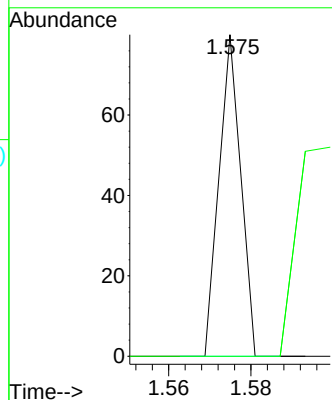
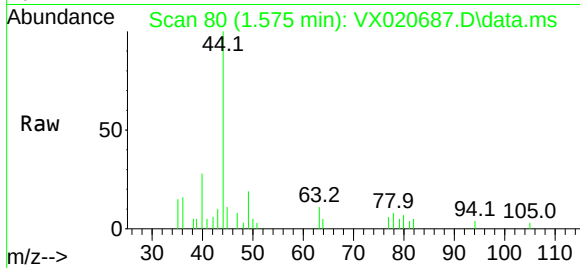




#6
Chloroethane
Concen: Below Cal
RT: 1.575 min Scan# 80
Delta R.T. -0.134 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

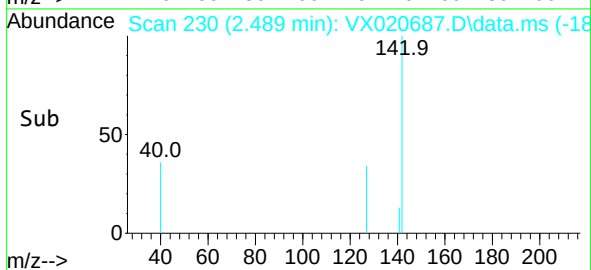
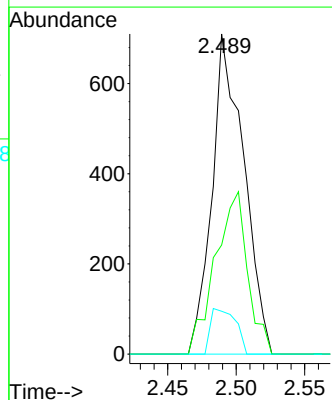
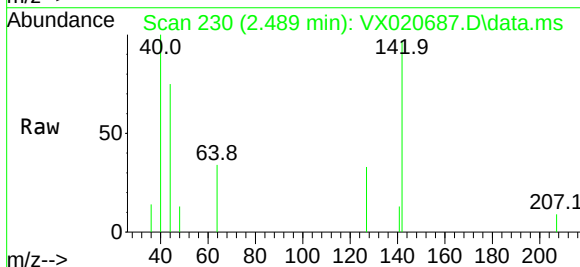
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

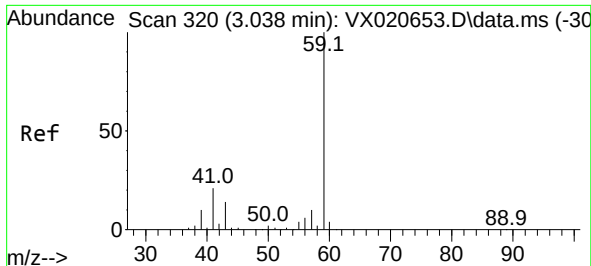
Tgt Ion: 64 Resp: 29
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 142 Resp: 1149
Ion Ratio Lower Upper
142 100
127 51.5 33.3 49.9#
141 11.1 11.4 17.0#



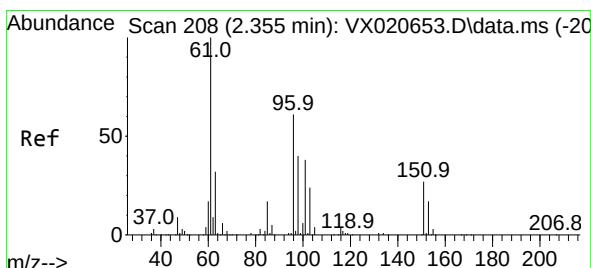
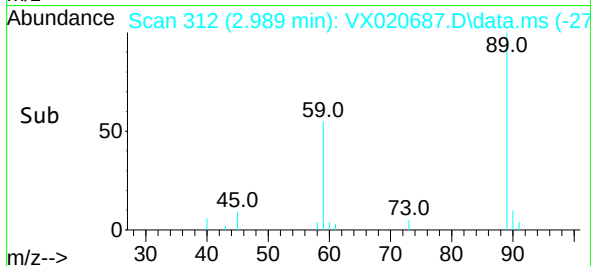
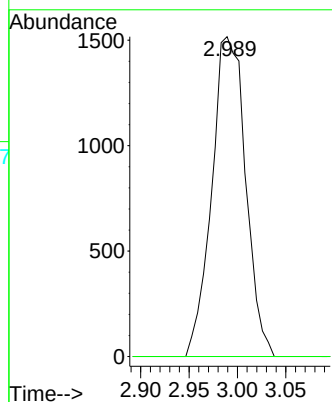
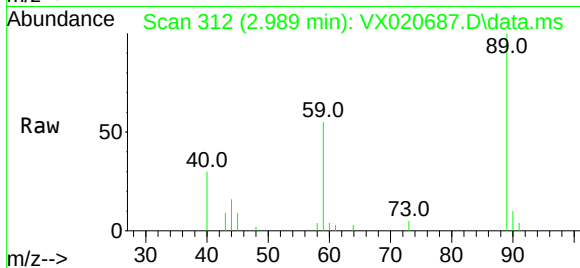


#11

Tert butyl alcohol
Concen: 6.33 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.049 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

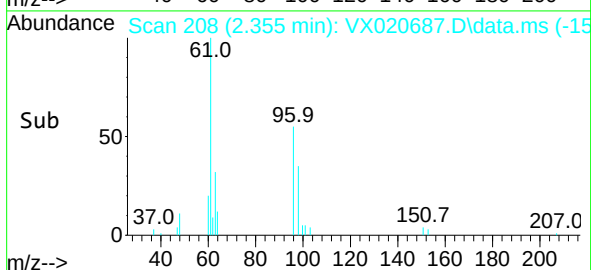
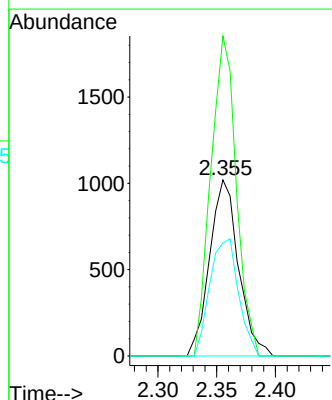
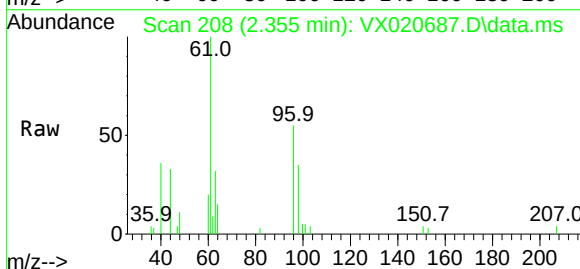
Tgt Ion: 59 Resp: 3695
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

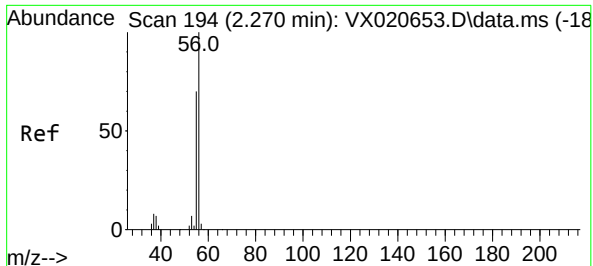


#12

1,1-Dichloroethene
Concen: 0.68 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

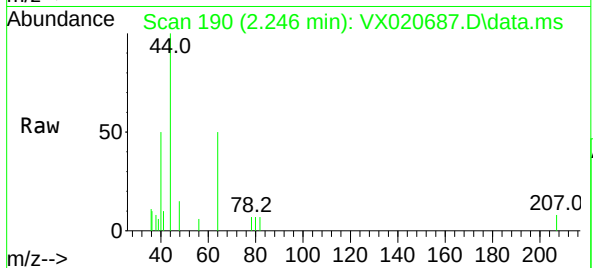
Tgt Ion: 96 Resp: 1746
Ion Ratio Lower Upper
96 100
61 181.8 124.6 187.0
98 64.2 50.6 76.0



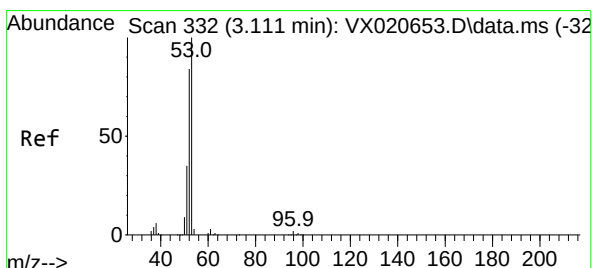
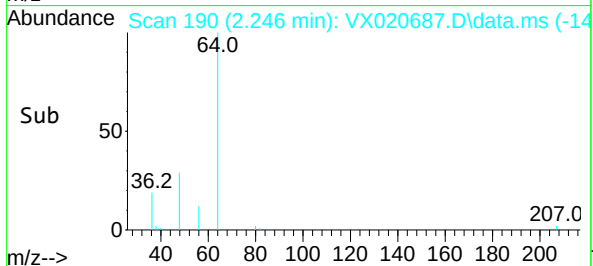
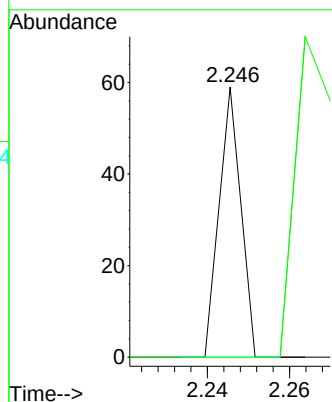


#13
Acrolein
Concen: 30.37 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.024 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

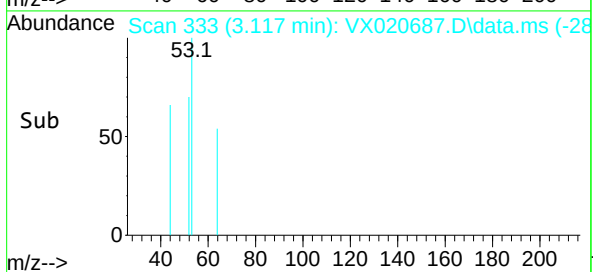
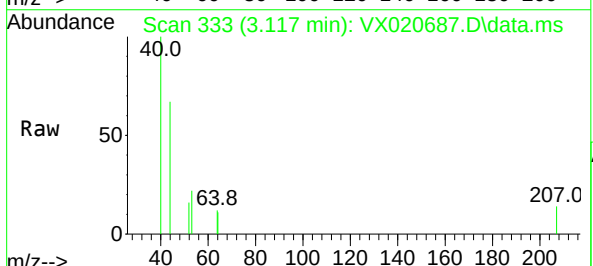
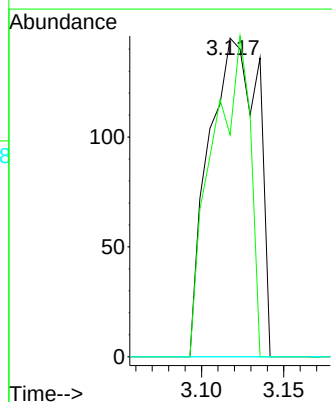


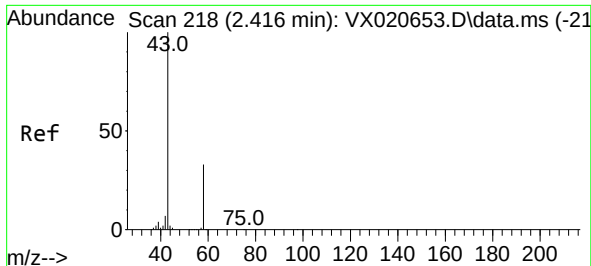
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 209.1 56.4 84.6#



#15
Acrylonitrile
Concen: 0.21 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 53 Resp: 301
Ion Ratio Lower Upper
53 100
52 76.7 65.3 97.9
51 0.0 28.2 42.2#

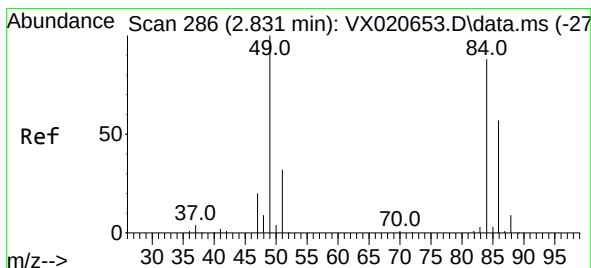
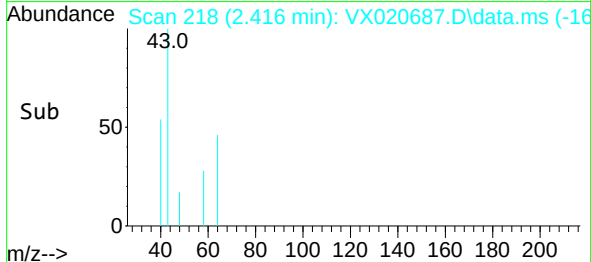
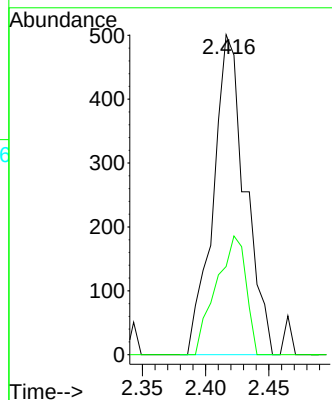
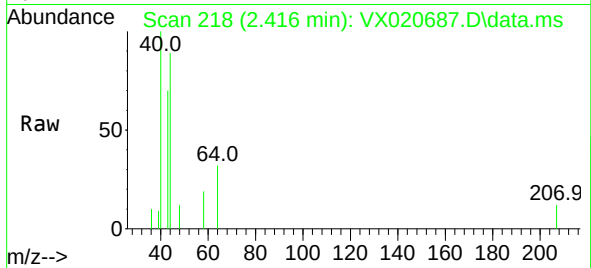




#16
Acetone
Concen: 0.69 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

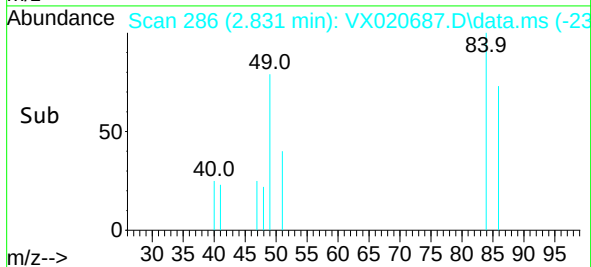
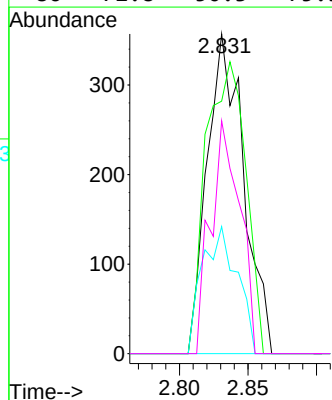
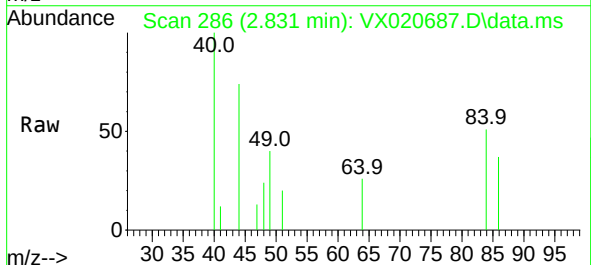
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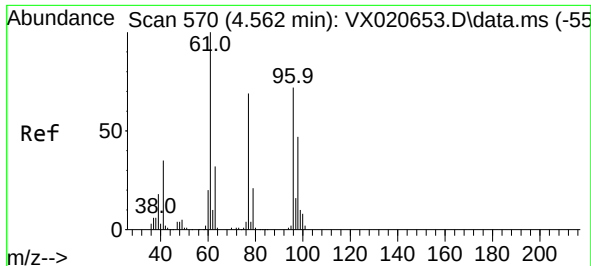
Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#



#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 84 Resp: 660
Ion Ratio Lower Upper
84 100
49 79.0 88.6 132.8#
51 39.8 27.0 40.6
86 72.8 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 3.98 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX020687.D

Acq: 20 Jan 2021 17:48

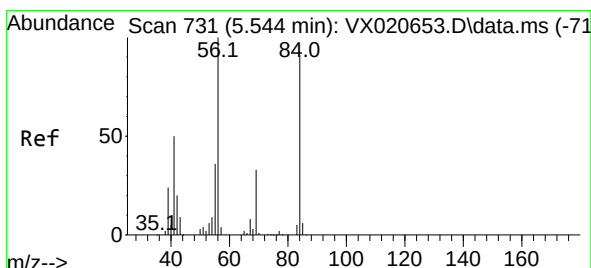
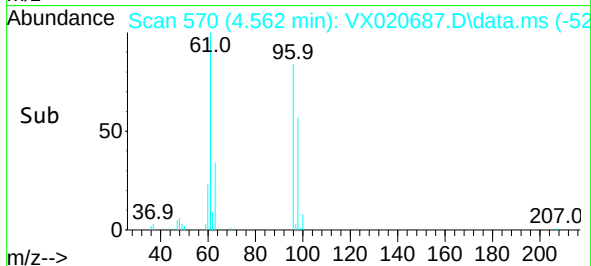
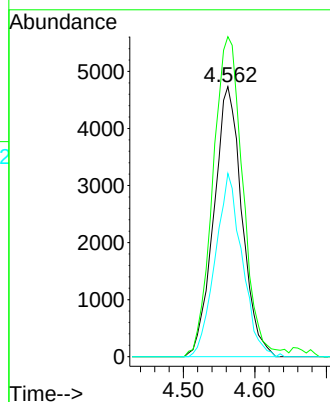
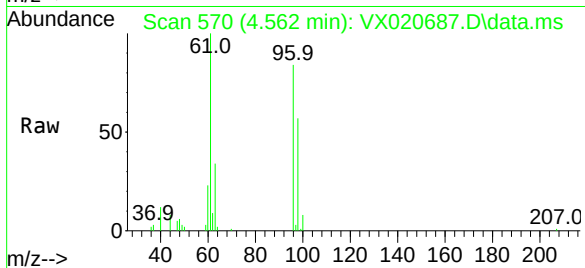
Instrument :

MSVOA_X

ClientSampleId :

GWBR3-66-76-011921DL

Tgt Ion:	96	Resp:	12922
Ion	Ratio	Lower	Upper
96	100		
61	126.3	0.0	285.6
98	65.1	0.0	129.6



#31

Cyclohexane

Concen: 1.03 ug/l

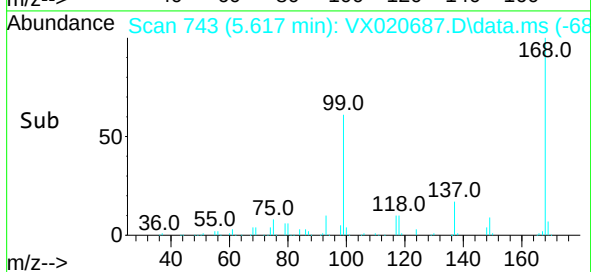
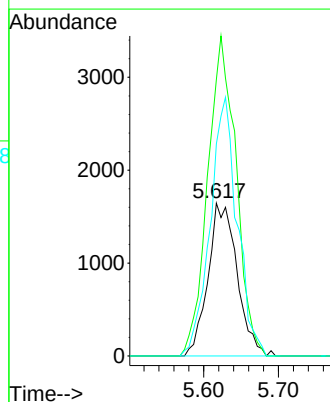
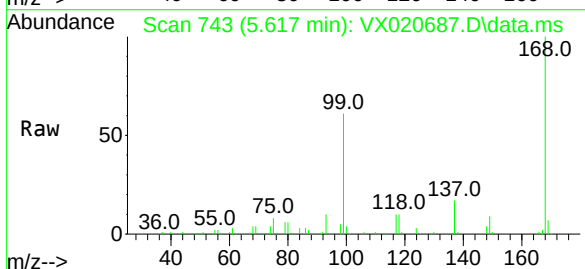
RT: 5.617 min Scan# 743

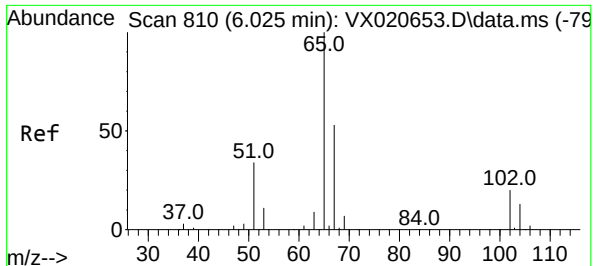
Delta R.T. 0.073 min

Lab File: VX020687.D

Acq: 20 Jan 2021 17:48

Tgt Ion:	56	Resp:	4447
Ion	Ratio	Lower	Upper
56	100		
69	180.8	25.3	37.9#
84	138.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.86 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

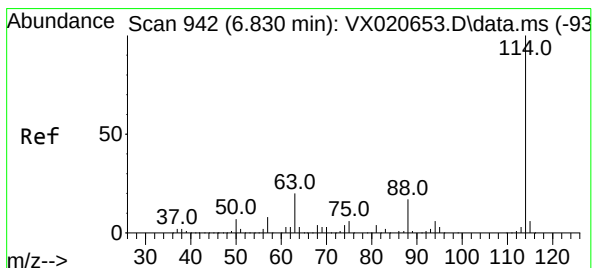
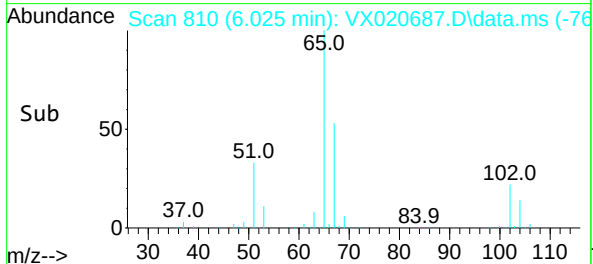
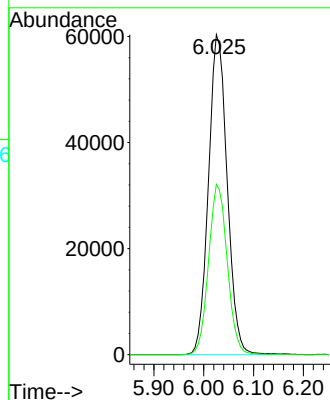
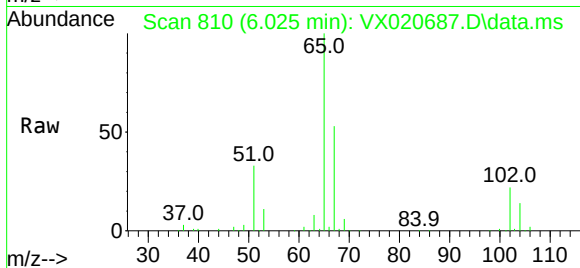
Lab File: VX020687.D

Acq: 20 Jan 2021 17:48

Tgt Ion: 65 Resp: 157546

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

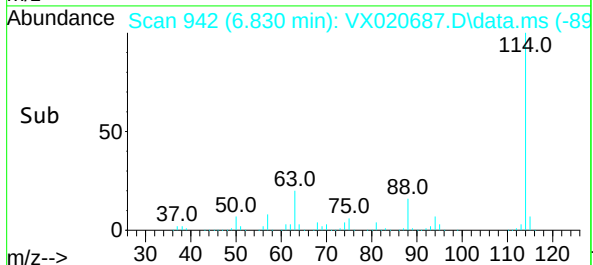
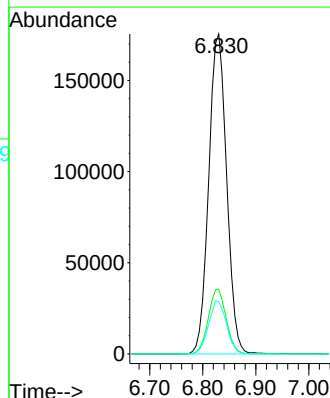
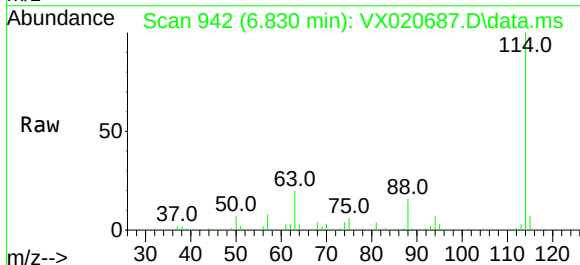
Lab File: VX020687.D

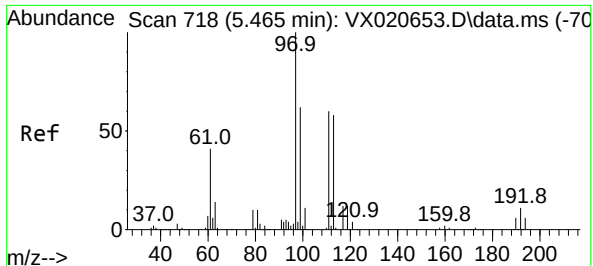
Acq: 20 Jan 2021 17:48

Tgt Ion: 114 Resp: 411935

Ion Ratio Lower Upper

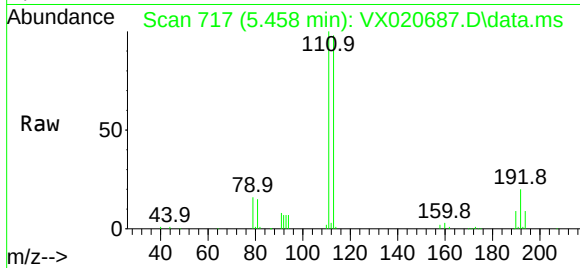
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	16.4	0.0	32.8



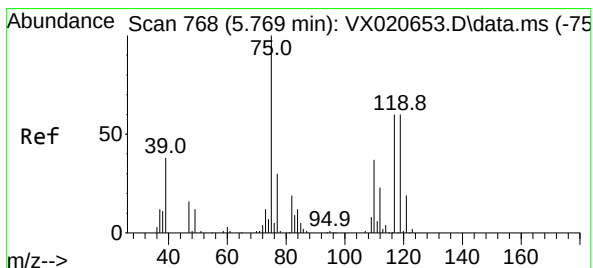
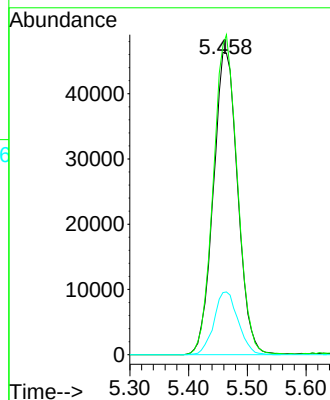
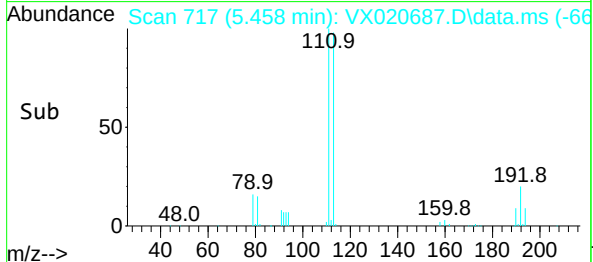


#35
Dibromofluoromethane
Concen: 47.11 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.007 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

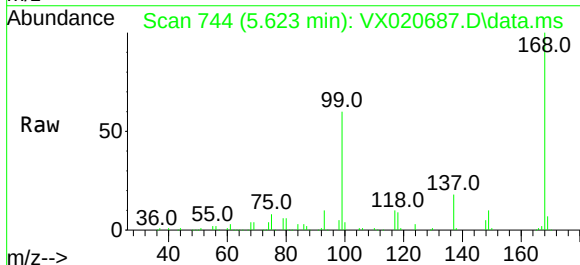
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL



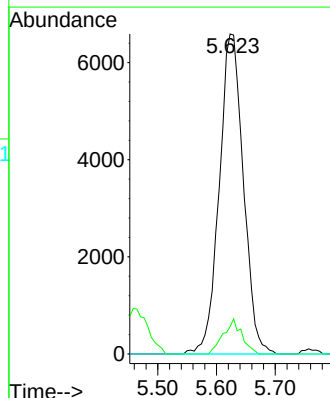
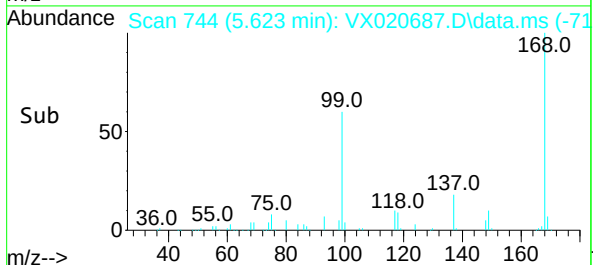
Tgt Ion:113 Resp: 133714
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 20.5 16.7 25.1

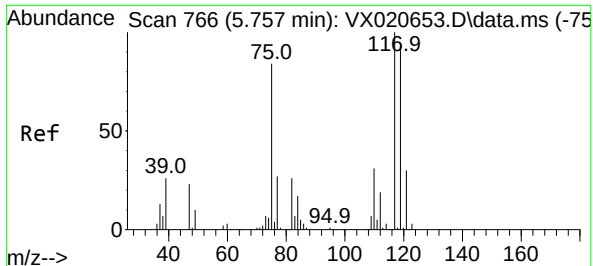


#36
1,1-Dichloropropene
Concen: 4.53 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48



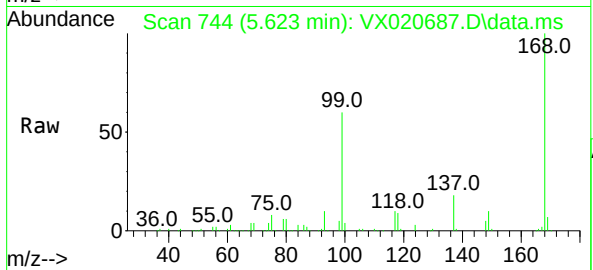
Tgt Ion: 75 Resp: 18795
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



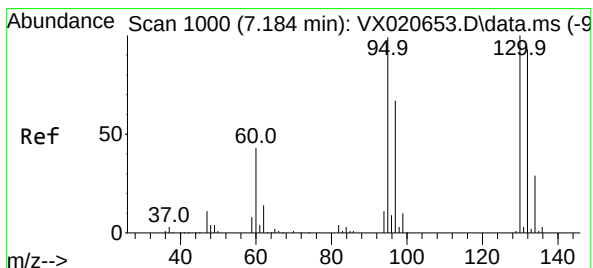
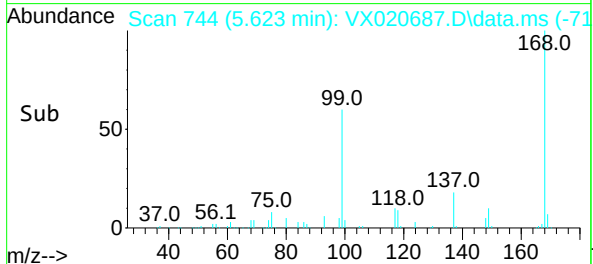
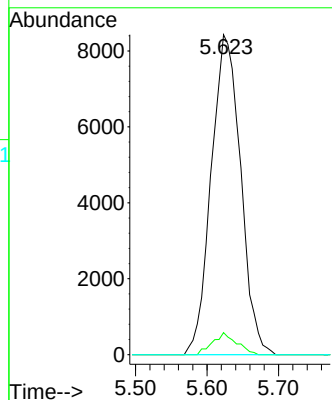


#38
Carbon Tetrachloride
Concen: 5.43 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.134 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

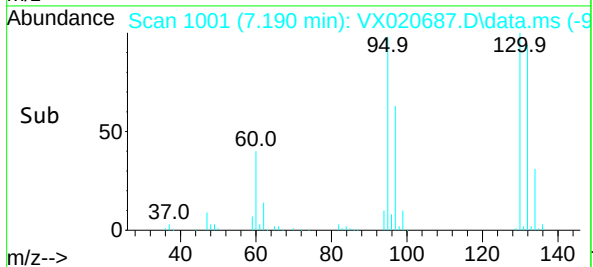
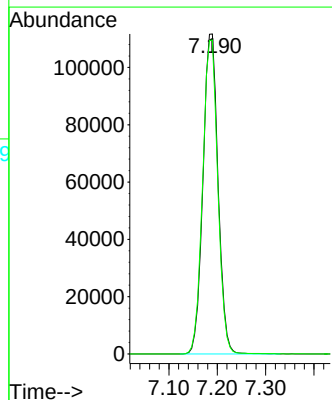
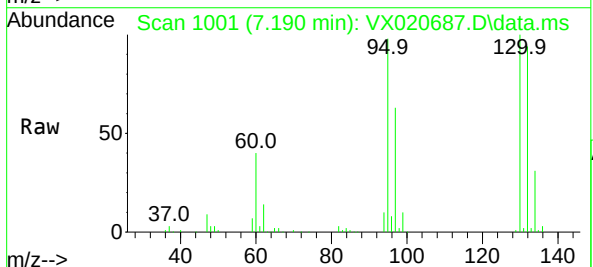


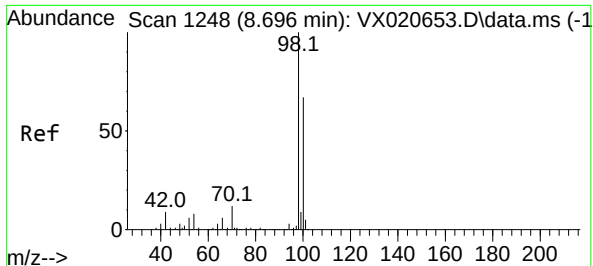
Tgt Ion:117 Resp: 24075
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 73.13 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion:130 Resp: 242122
Ion Ratio Lower Upper
130 100
95 98.1 0.0 198.0

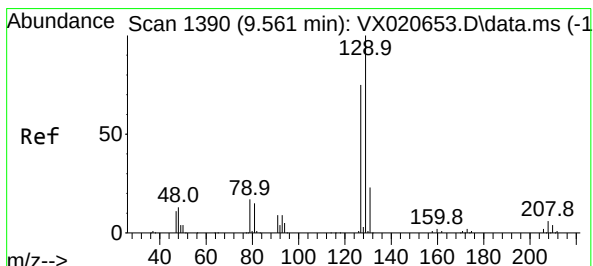
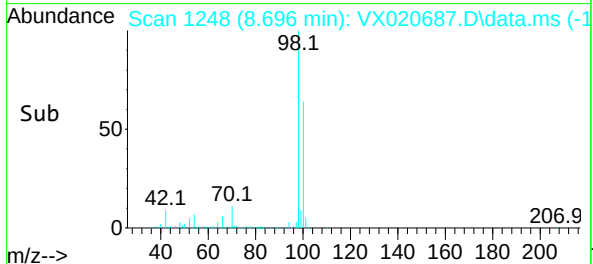
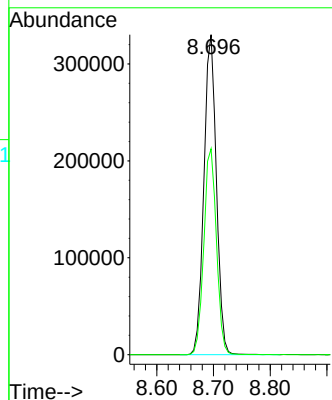
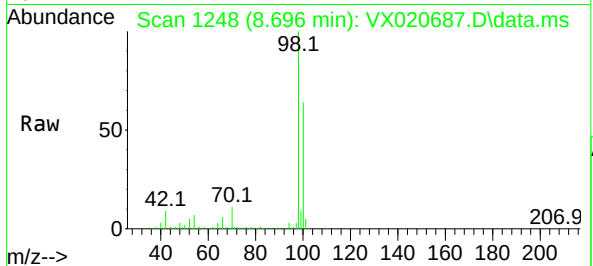




#50
Toluene-d8
Concen: 49.36 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

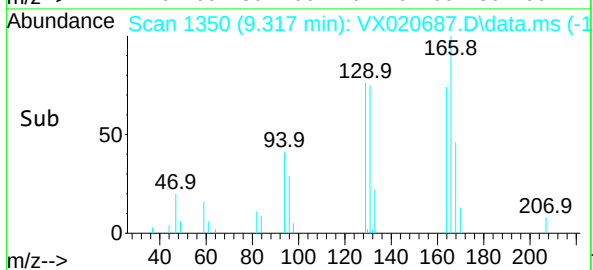
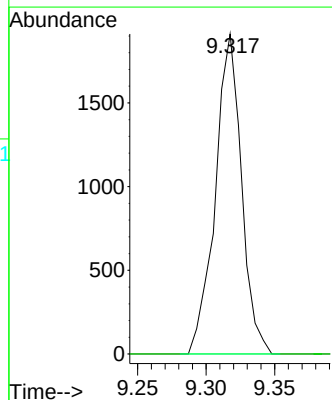
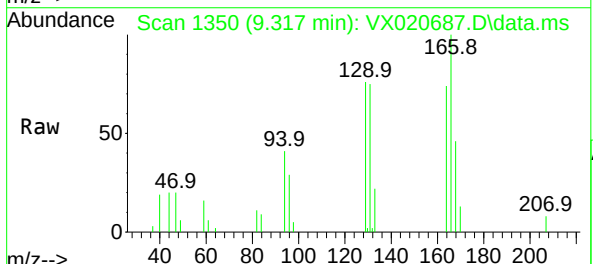
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

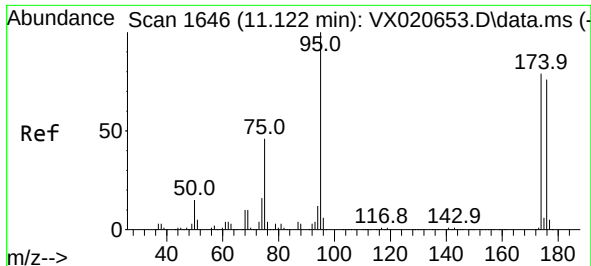
Tgt Ion: 98 Resp: 505119
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#60
Dibromochloromethane
Concen: 0.75 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 129 Resp: 2545
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

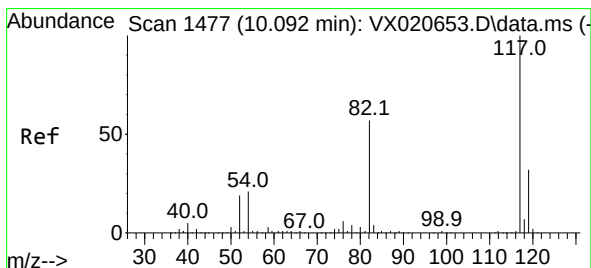
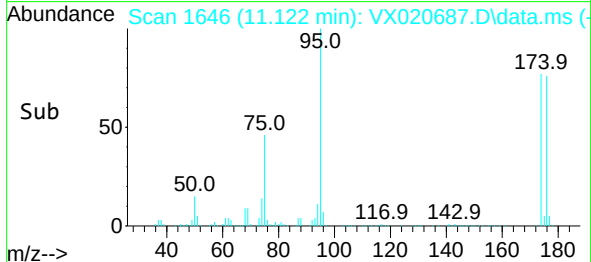
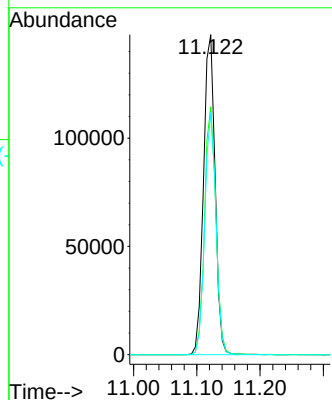
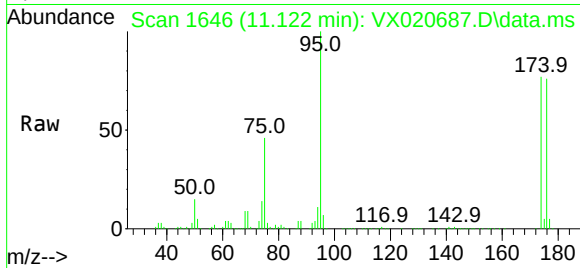




#62
4-Bromofluorobenzene
Concen: 48.62 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

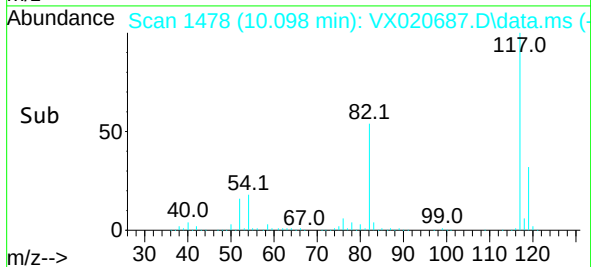
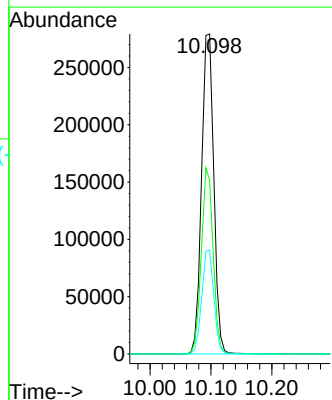
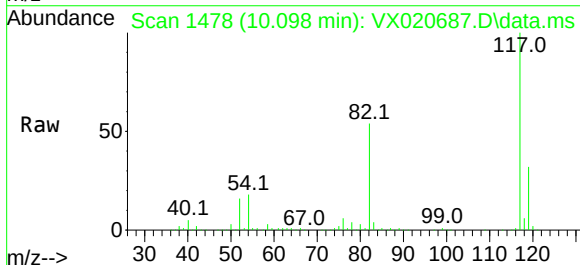
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

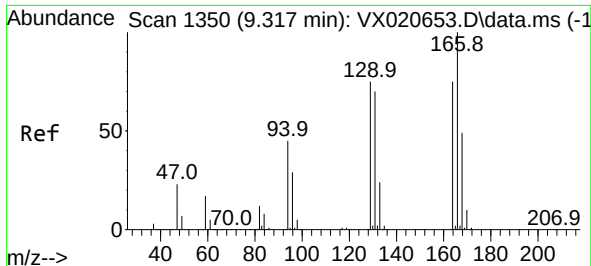
Tgt Ion: 95 Resp: 188070
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 73.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

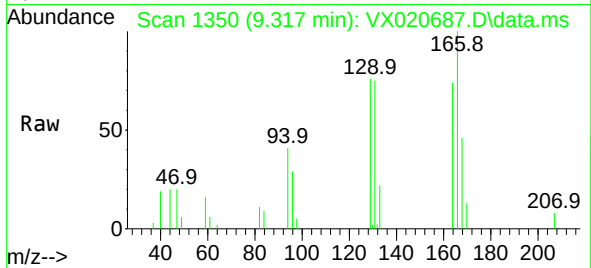
Tgt Ion: 117 Resp: 389074
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 32.5 26.6 39.8



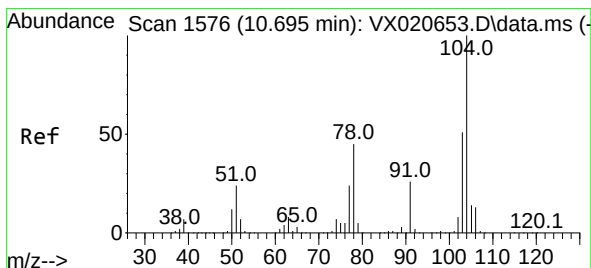
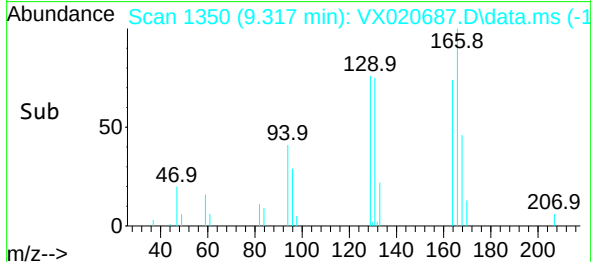
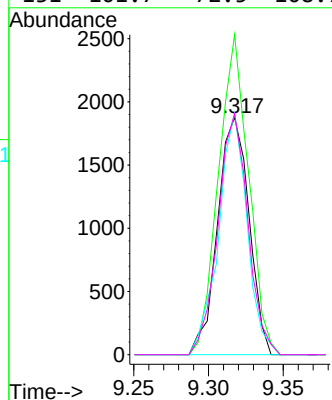


#64
Tetrachloroethene
Concen: 0.88 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

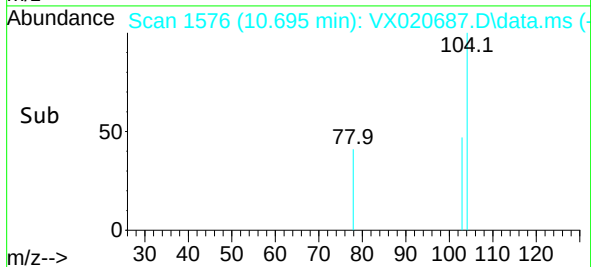
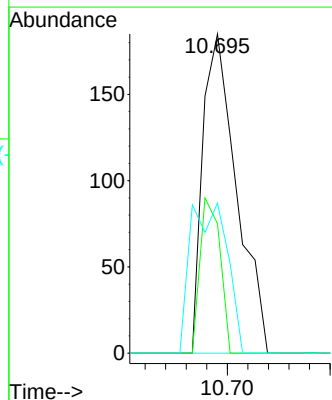
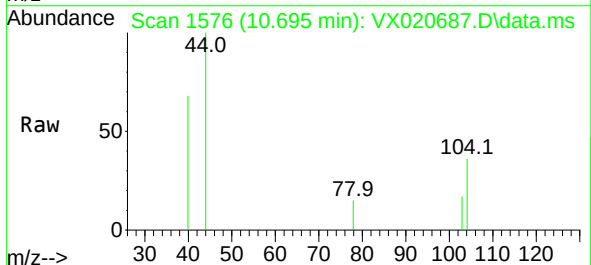


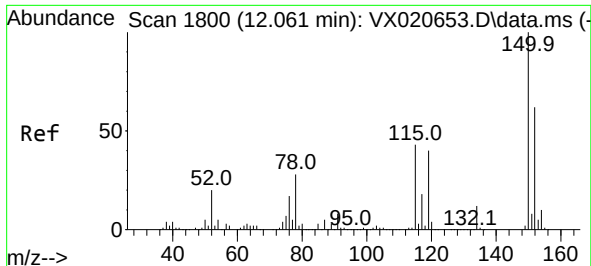
Tgt Ion:164 Resp: 2740
Ion Ratio Lower Upper
164 100
166 135.0 103.4 155.2
129 101.9 70.8 106.2
131 101.7 72.5 108.7



#70
Styrene
Concen: 1.44 ug/l
RT: 10.695 min Scan# 1576
Delta R.T. 0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion:104 Resp: 211
Ion Ratio Lower Upper
104 100
78 28.4 40.0 60.0#
103 51.2 43.4 65.0

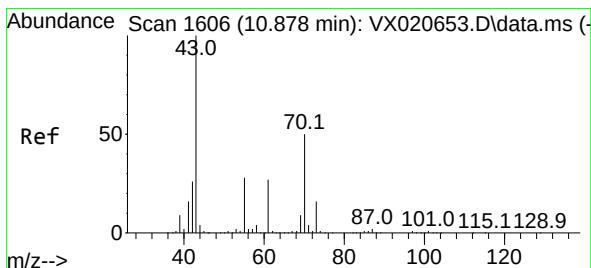
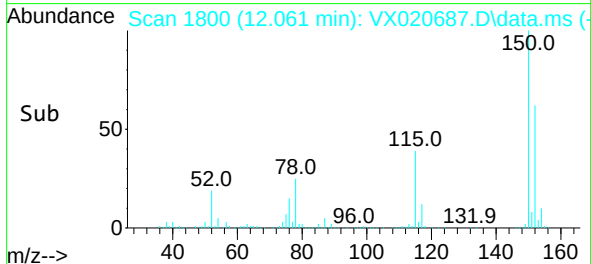
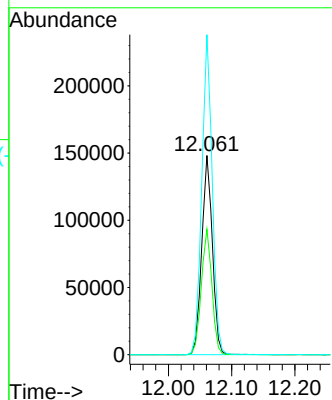
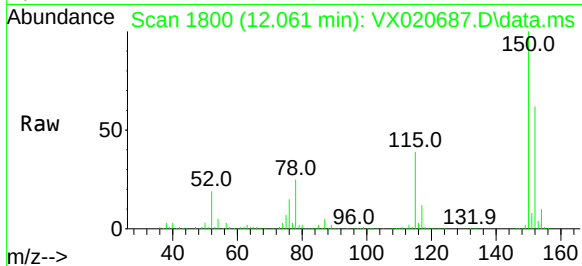




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

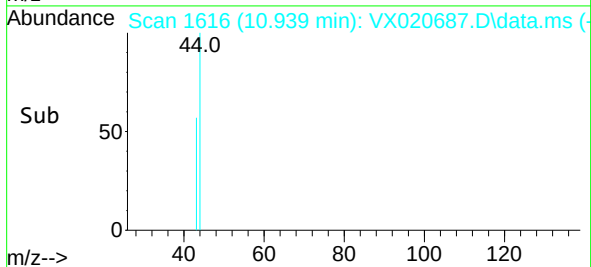
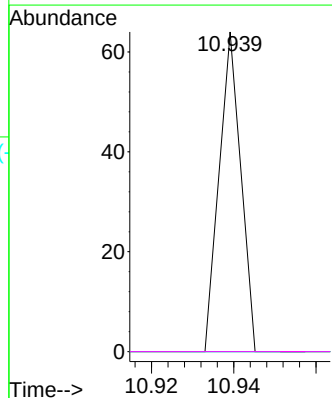
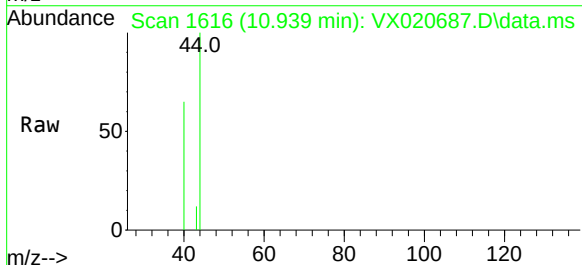
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

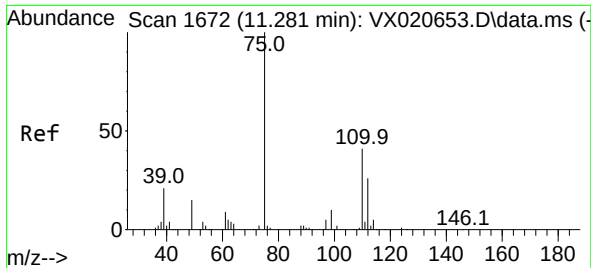
Tgt Ion:152 Resp: 173817
Ion Ratio Lower Upper
152 100
115 62.6 41.1 123.3
150 157.5 0.0 349.0



#74
N-ethyl acetate
Concen: 1.94 ug/l
RT: 10.939 min Scan# 1616
Delta R.T. 0.061 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

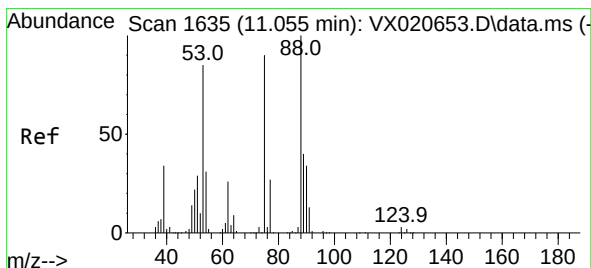
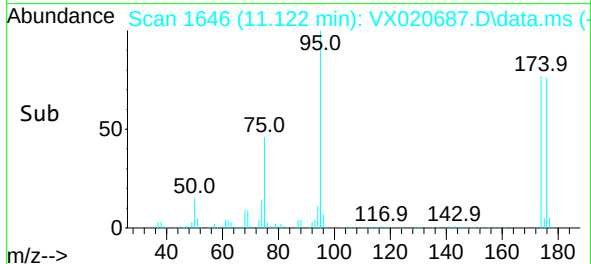
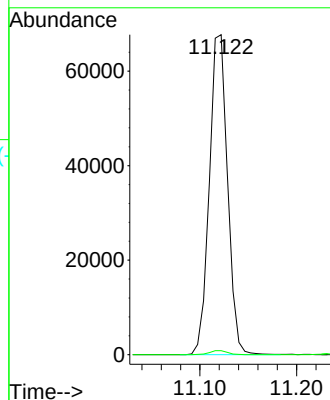
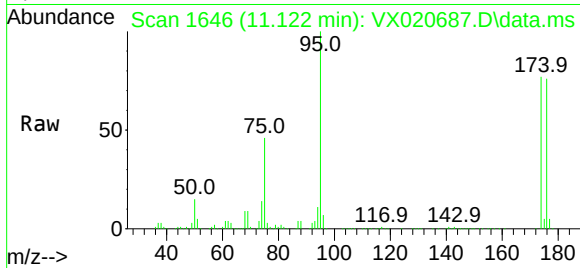




#76
1,2,3-Trichloropropane
Concen: 21.25 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

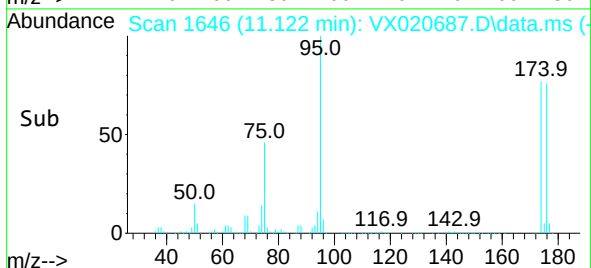
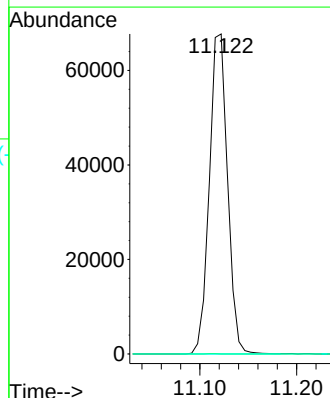
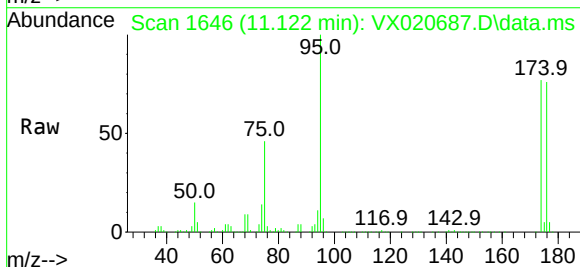
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

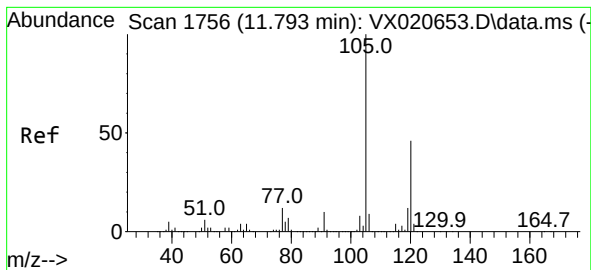
Tgt Ion: 75 Resp: 88637
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 75 Resp: 88637
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

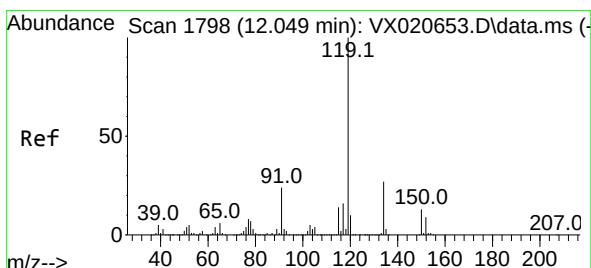
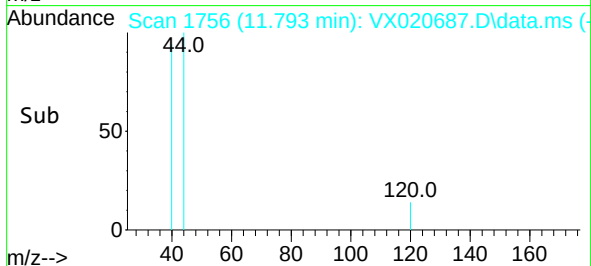
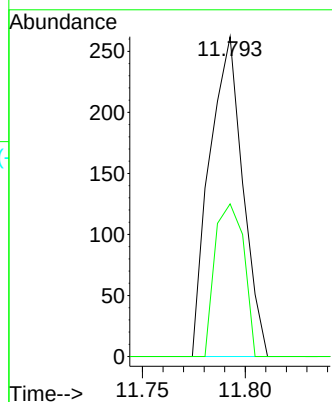
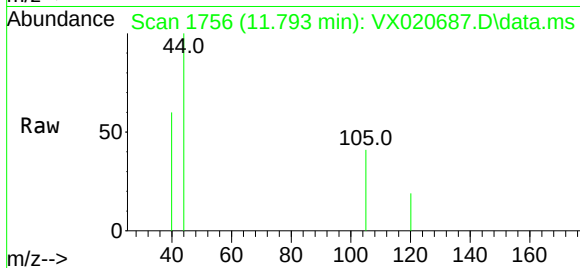




#84
1,2,4-Trimethylbenzene
Concen: 0.42 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

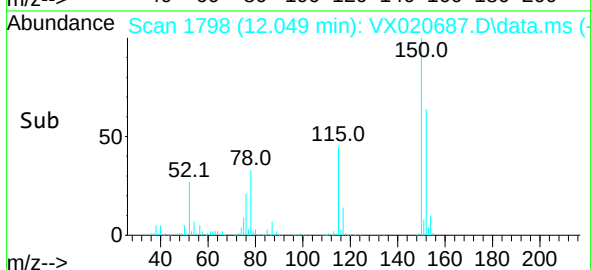
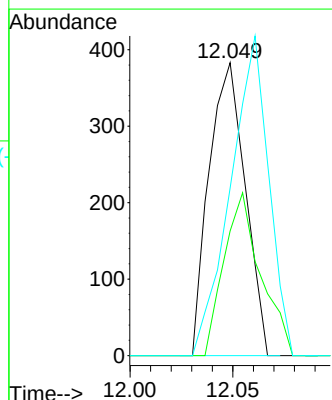
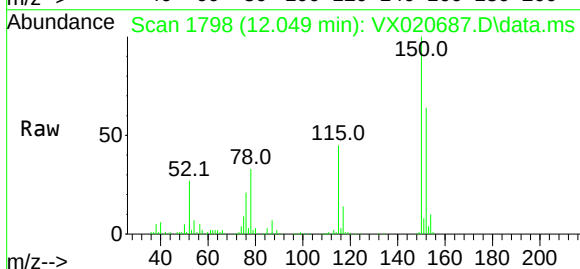
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

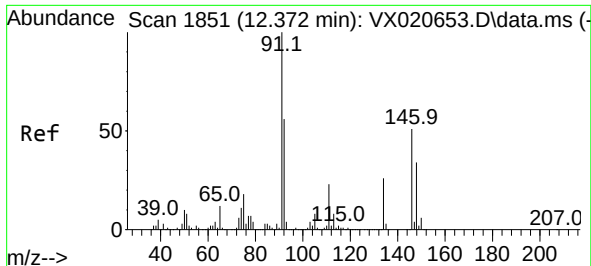
Tgt Ion:105 Resp: 293
Ion Ratio Lower Upper
105 100
120 41.6 22.4 67.3



#86
p-Isopropyltoluene
Concen: 0.92 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion:119 Resp: 468
Ion Ratio Lower Upper
119 100
134 56.4 12.9 38.7#
91 115.6 11.7 35.0#

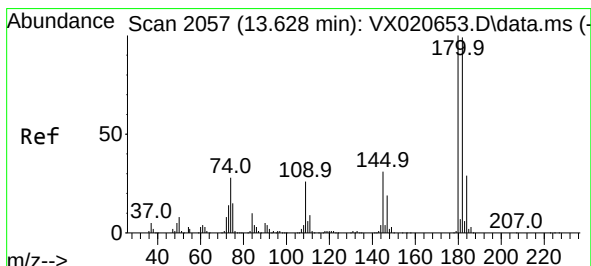
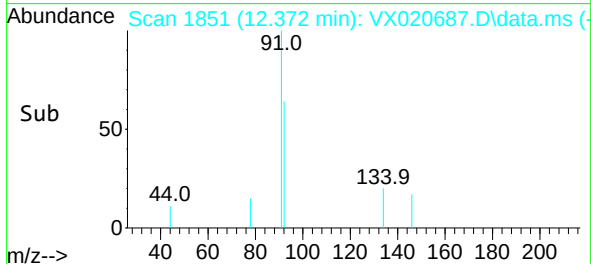
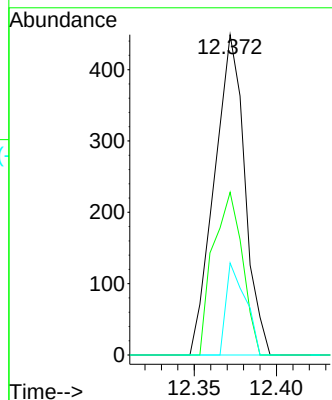
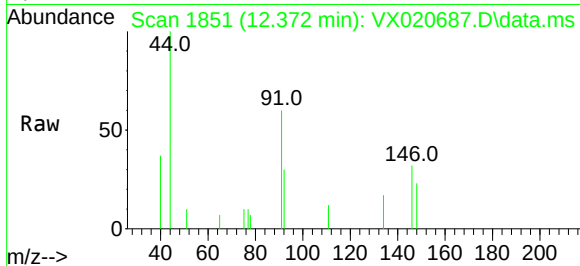




#89
n-Butylbenzene
Concen: 1.48 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

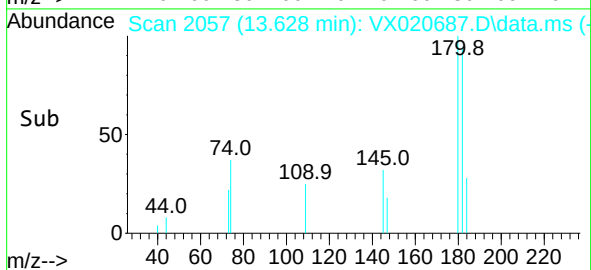
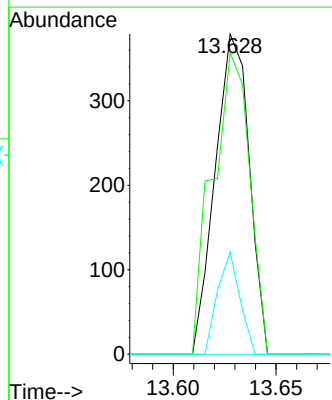
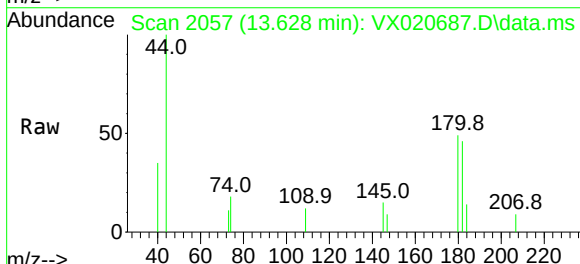
Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

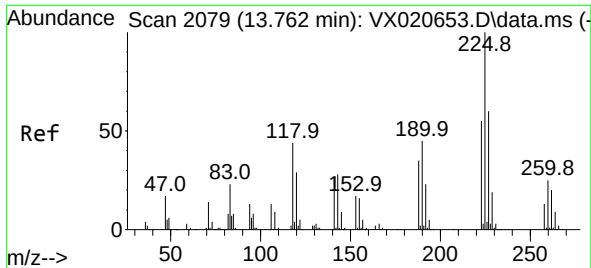
Tgt Ion: 91	Resp: 577
Ion Ratio	Lower Upper
91 100	
92 48.9	27.4 82.0
134 18.4	13.2 39.5



#93
1,2,4-Trichlorobenzene
Concen: 2.34 ug/l
RT: 13.628 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion:180	Resp:	437	
Ion	Ratio	Lower	Upper
180	100		
182	102.7	47.7	143.1
145	20.8	15.0	45.0

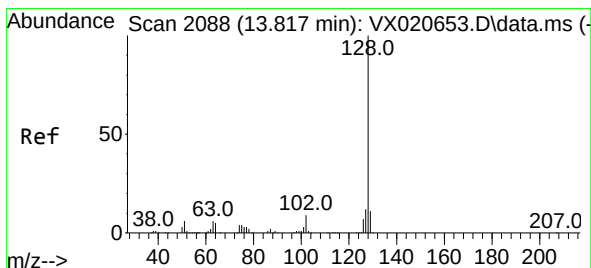
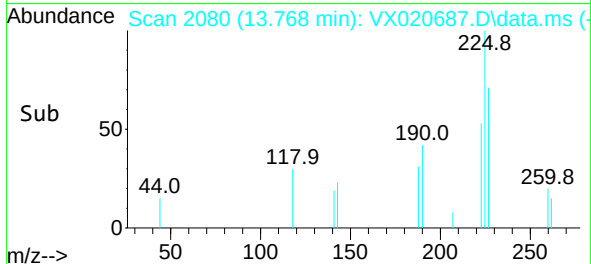
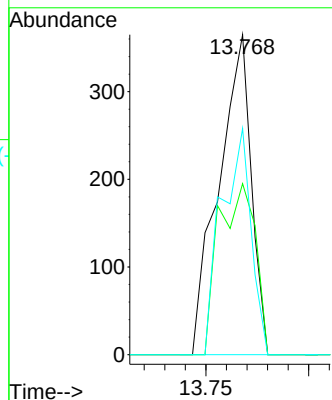
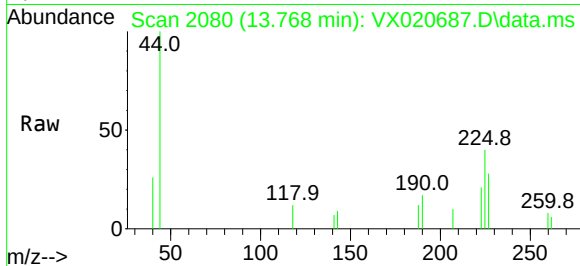




#94
Hexachlorobutadiene
Concen: 0.23 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. 0.006 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_X
ClientSampleId :
GWBR3-66-76-011921DL

Tgt Ion:	225	Resp:	400
Ion Ratio	Lower	Upper	
225	100		
223	60.0	31.1	93.2
227	64.0	31.6	95.0



#95
Naphthalene
Concen: 2.02 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020687.D
Acq: 20 Jan 2021 17:48

Tgt Ion:	128	Resp:	1009
Ion Ratio	Lower	Upper	
128	100		
127	6.3	10.3	15.5#
129	7.4	8.8	13.2#

