

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020421\
 Data File : VX020860.D
 Acq On : 04 Feb 2021 13:01
 Operator : JC/MD
 Sample : M1319-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW6-GW-258-260

Quant Time: Feb 05 01:38:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

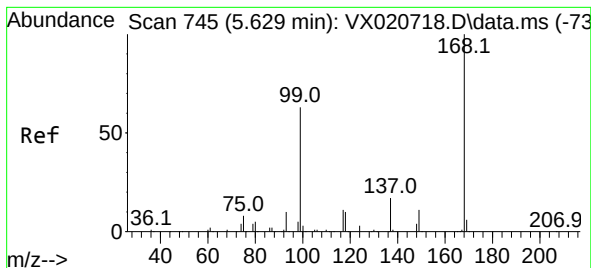
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	281513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	478597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	461603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	194260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	191025	49.75	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.50%			
35) Dibromofluoromethane	5.464	113	166989	50.94	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.88%			
50) Toluene-d8	8.695	98	588575	48.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.94%			
62) 4-Bromofluorobenzene	11.122	95	202980	43.49	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.98%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	20	1.20	ug/l #	42
5) Bromomethane	1.630	94	433	0.23	ug/l #	62
10) Methyl Iodide	2.495	142	1006	0.26	ug/l #	89
11) Tert butyl alcohol	2.995	59	4417	6.16	ug/l #	77
13) Acrolein	2.264	56	268	0.50	ug/l #	14
16) Acetone	2.416	43	17812	12.23	ug/l	96
17) Carbon Disulfide	2.550	76	3632	1.31	ug/l #	95
18) Methyl Acetate	2.745	43	1468	0.39	ug/l #	51
20) Methylene Chloride	2.825	84	919	0.25	ug/l #	77
25) 2-Butanone	4.635	43	7161	3.14	ug/l #	83
31) Cyclohexane	5.623	56	6099	1.18	ug/l #	3
36) 1,1-Dichloropropene	5.623	75	21514	4.48	ug/l #	49
37) Ethyl Acetate	4.635	43	7161	1.57	ug/l #	68
38) Carbon Tetrachloride	5.623	117	28558	5.65	ug/l #	17
40) Benzene	6.111	78	5653	0.40	ug/l #	84
44) Trichloroethene	7.184	130	1632	0.43	ug/l	94
49) 1,4-Dioxane	7.720	88	369	4.29	ug/l #	76
52) Toluene	8.762	92	1841	0.21	ug/l	97
56) Ethyl methacrylate	9.012	69	20	2.79	ug/l #	29
59) 2-Hexanone	9.476	43	820	0.24	ug/l	91
74) N-amyl acetate	10.884	43	781	2.14	ug/l #	22
76) 1,2,3-Trichloropropane	11.122	75	97988	21.75	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	97988	60.95	ug/l #	12
95) Naphthalene	13.823	128	976	2.93	ug/l	95

(#) = 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: 5.629 min Scan# 745

Delta R.T. -0.000 min

Lab File: VX020860.D

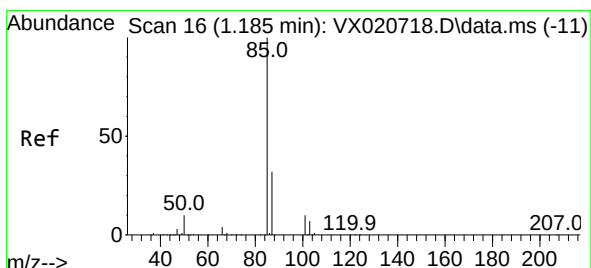
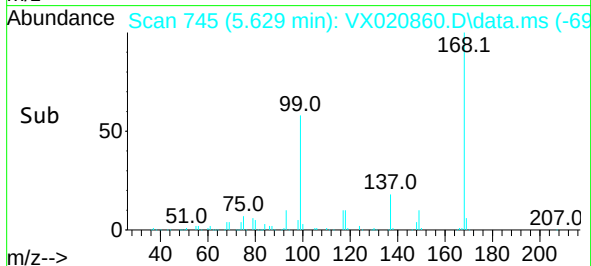
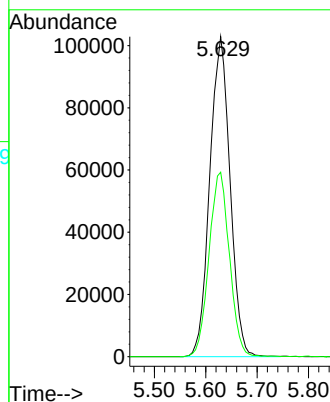
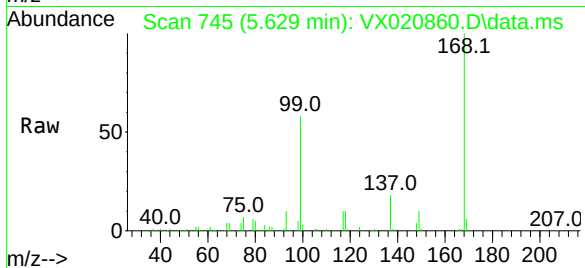
Acq: 04 Feb 2021 13:01

Tgt Ion: 168 Resp: 281513

Ion Ratio Lower Upper

168 100

99 57.7 45.8 68.6



#2

Dichlorodifluoromethane

Concen: 1.20 ug/l

RT: 1.185 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX020860.D

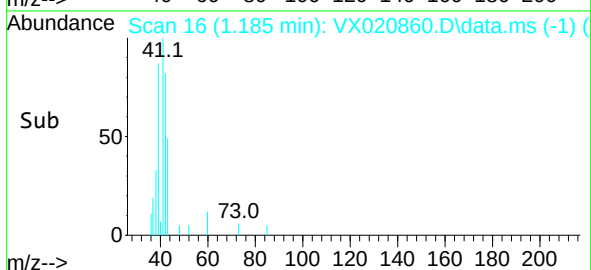
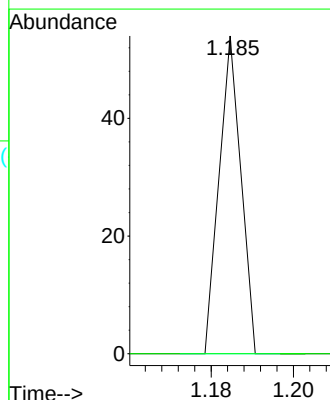
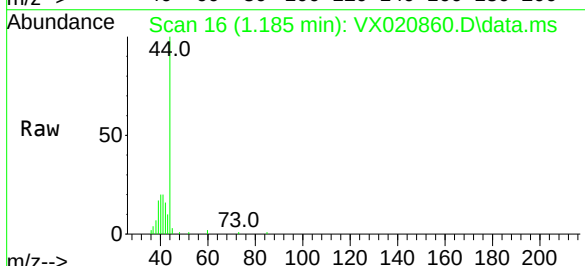
Acq: 04 Feb 2021 13:01

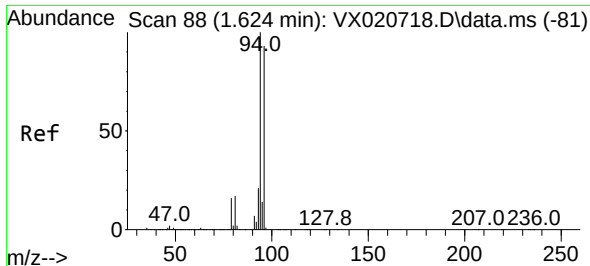
Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#

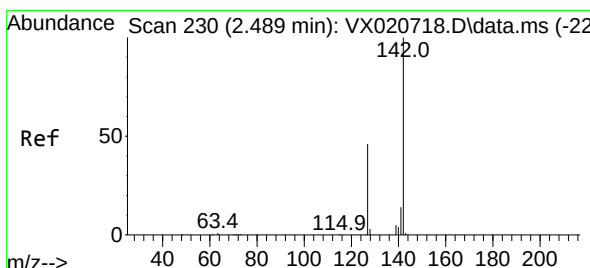
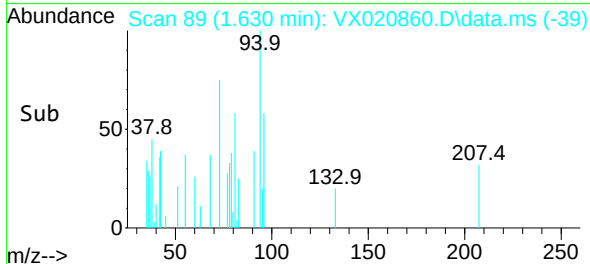
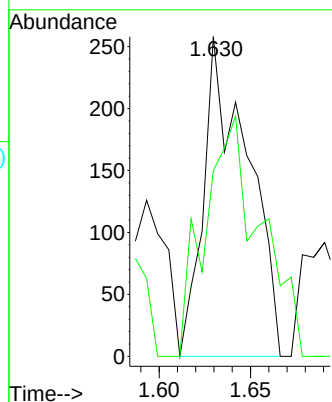
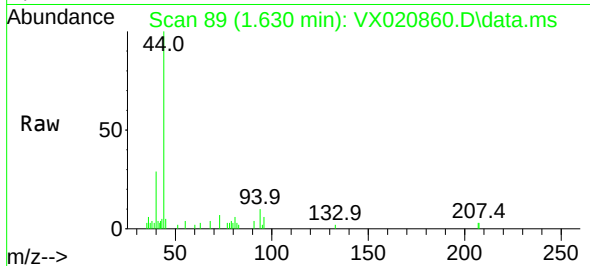




#5
Bromomethane
Concen: 0.23 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

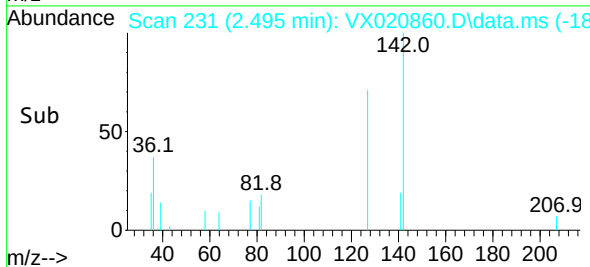
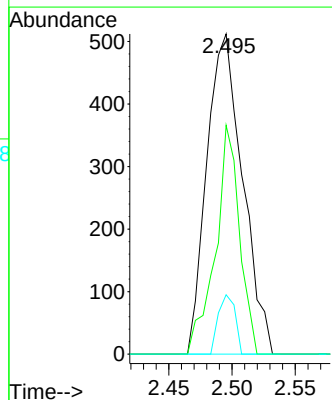
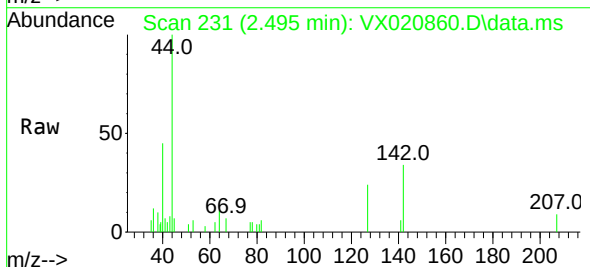
Instrument :
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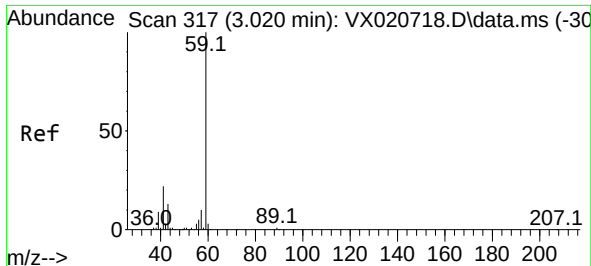
Tgt Ion: 94 Resp: 433
Ion Ratio Lower Upper
94 100
96 58.1 76.4 114.6#



#10
Methyl Iodide
Concen: 0.26 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 142 Resp: 1006
Ion Ratio Lower Upper
142 100
127 48.0 33.3 49.9
141 8.7 11.4 17.0#





#11

Tert butyl alcohol

Concen: 6.16 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.025 min

Lab File: VX020860.D

Acq: 04 Feb 2021 13:01

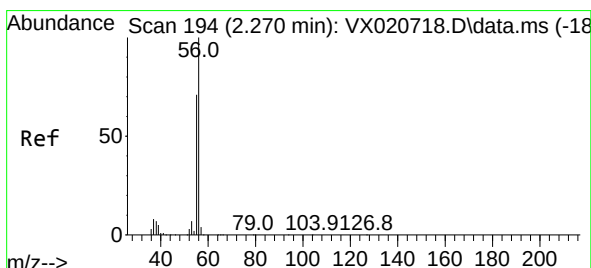
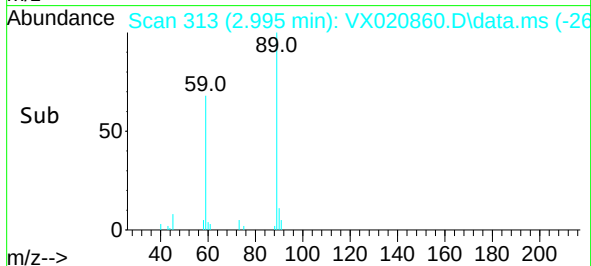
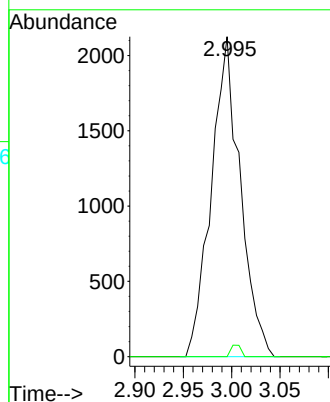
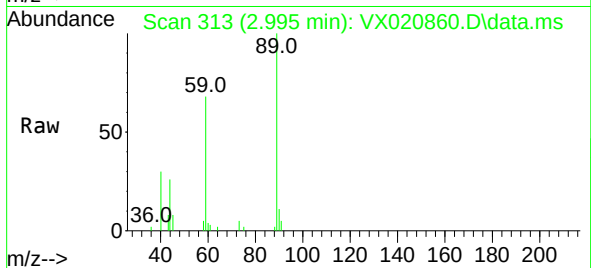
Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW6-GW-258-260

Tgt Ion: 59 Resp: 4417
 Ion Ratio Lower Upper
 59 100
 57 1.2 7.8 11.8#



#13

Acrolein

Concen: 0.50 ug/l

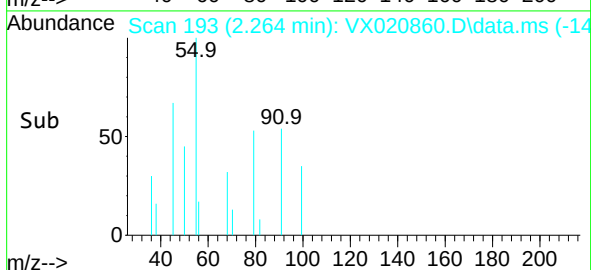
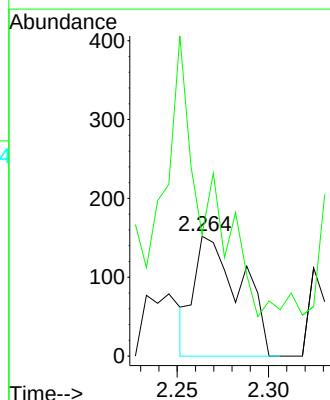
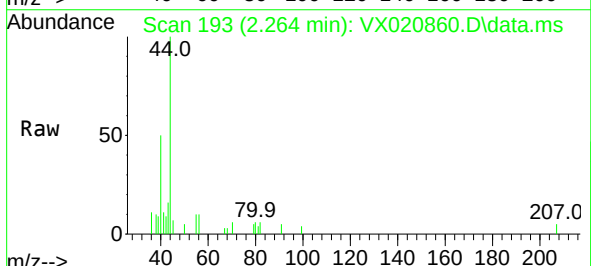
RT: 2.264 min Scan# 193

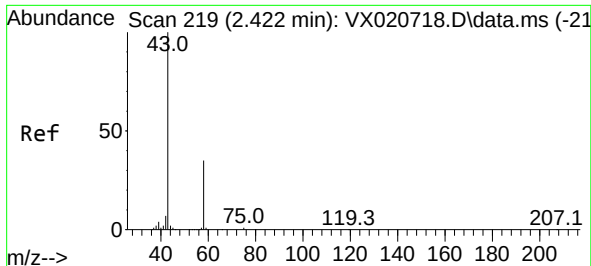
Delta R.T. -0.006 min

Lab File: VX020860.D

Acq: 04 Feb 2021 13:01

Tgt Ion: 56 Resp: 268
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#

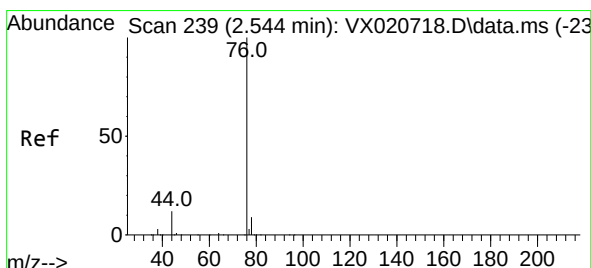
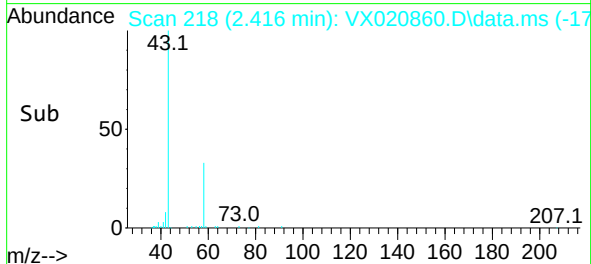
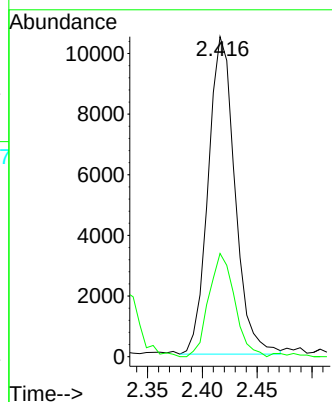
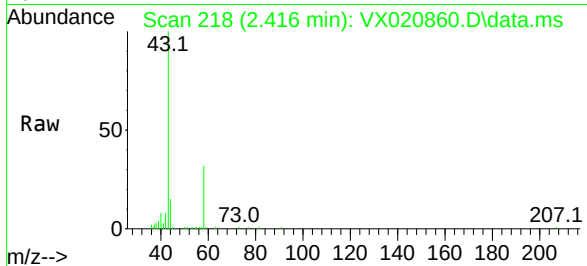




#16
Acetone
Concen: 12.23 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

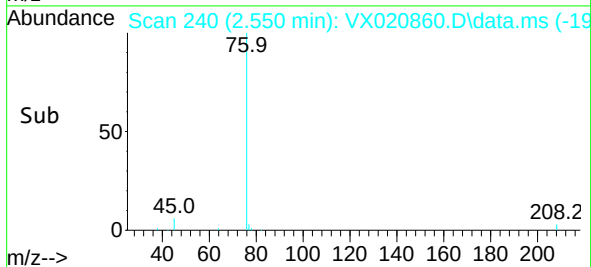
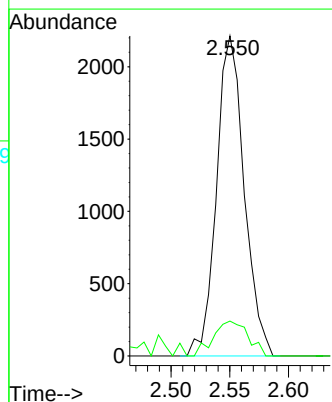
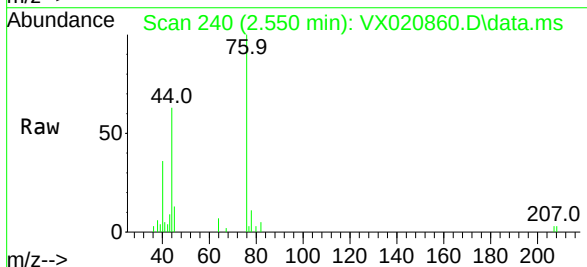
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

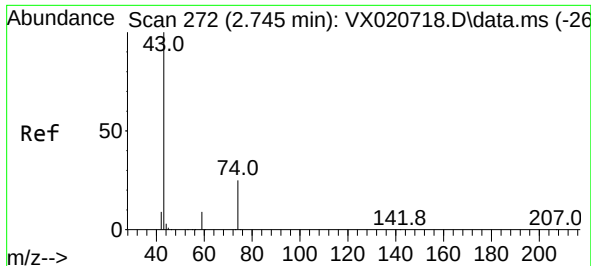
Tgt Ion: 43 Resp: 17812
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.8



#17
Carbon Disulfide
Concen: 1.31 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 76 Resp: 3632
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#

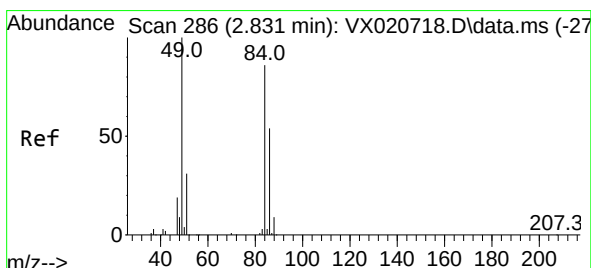
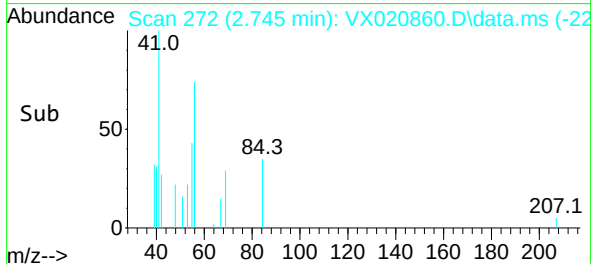
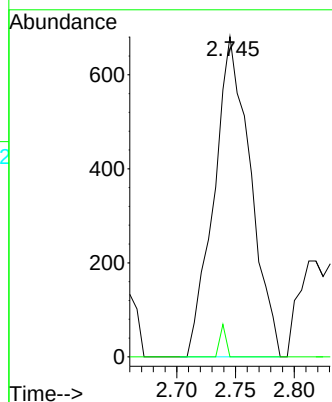
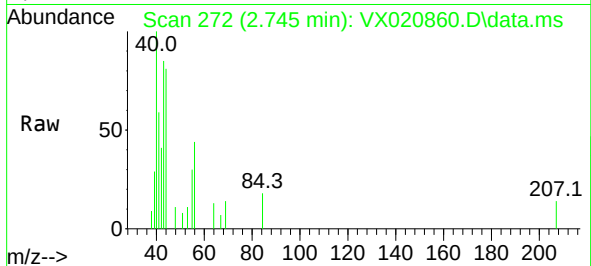




#18
Methyl Acetate
Concen: 0.39 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

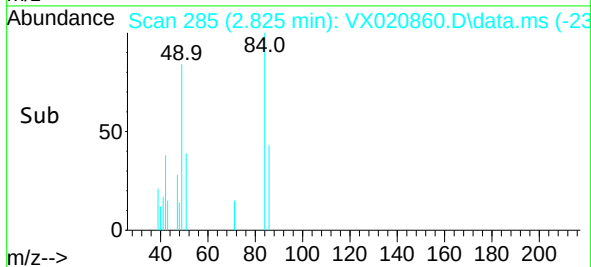
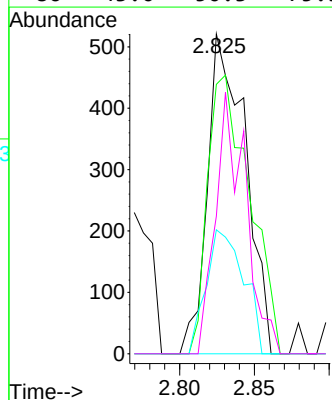
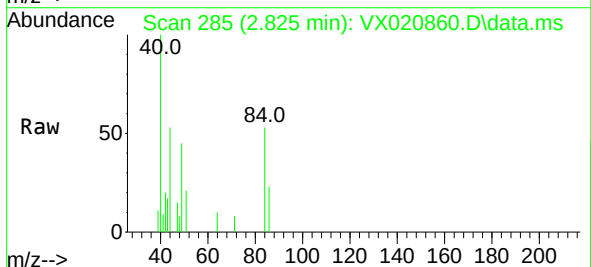
Instrument :
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ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

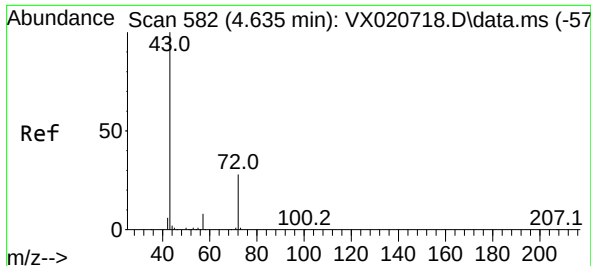
Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
74 1.7 21.9 32.9#



#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.825 min Scan# 285
Delta R.T. -0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 84 Resp: 919
Ion Ratio Lower Upper
84 100
49 84.3 88.6 132.8#
51 38.8 27.0 40.6
86 43.0 50.3 75.5#

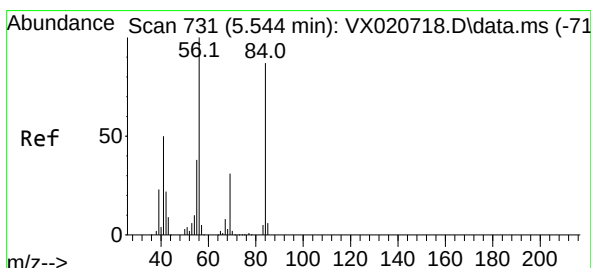
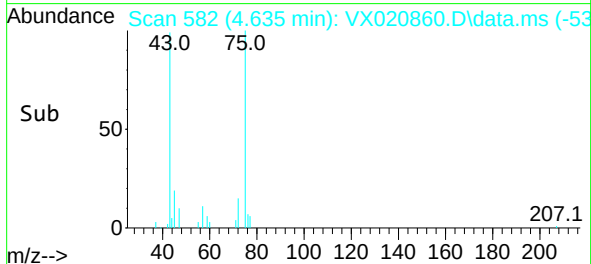
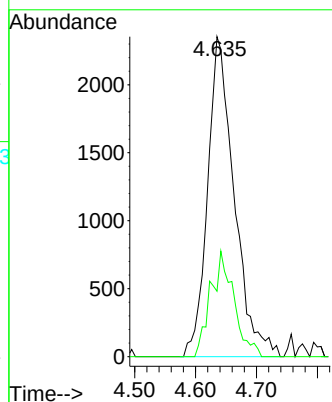
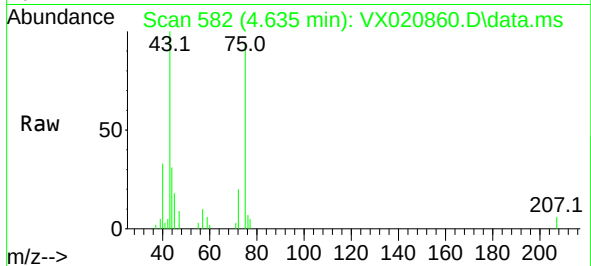




#25
2-Butanone
Concen: 3.14 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

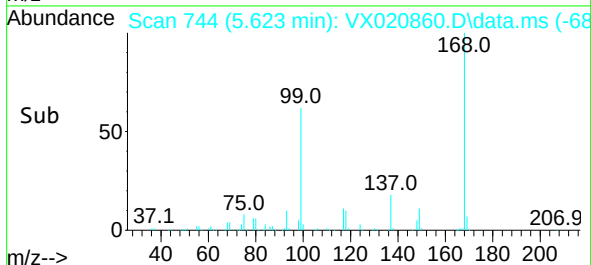
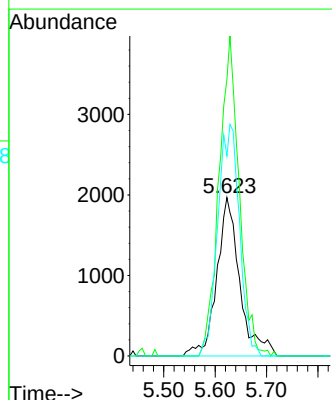
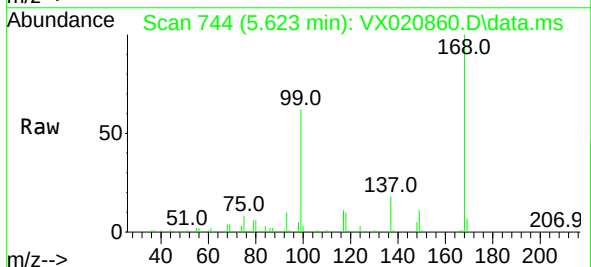
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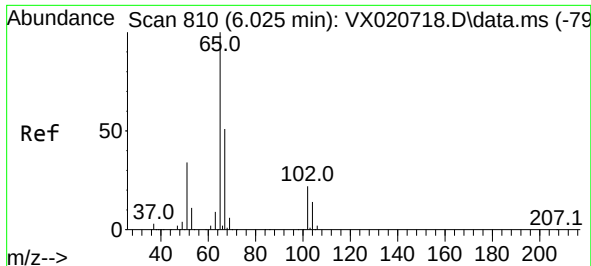
Tgt Ion: 43 Resp: 7161
Ion Ratio Lower Upper
43 100
72 20.4 23.7 35.5#



#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 56 Resp: 6099
Ion Ratio Lower Upper
56 100
69 174.7 25.3 37.9#
84 126.3 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.75 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020860.D

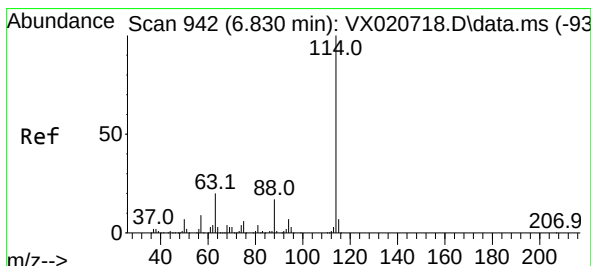
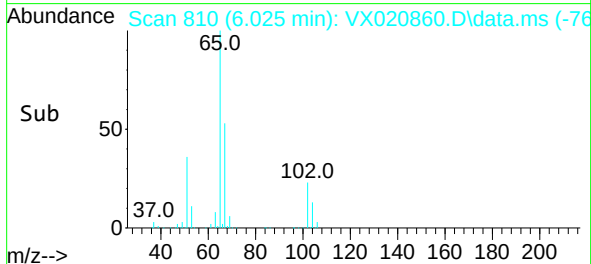
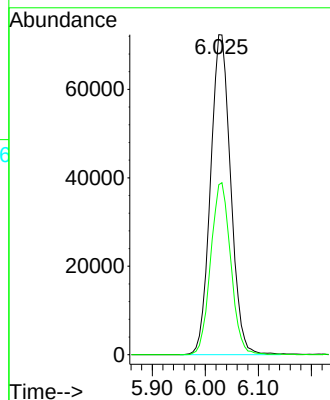
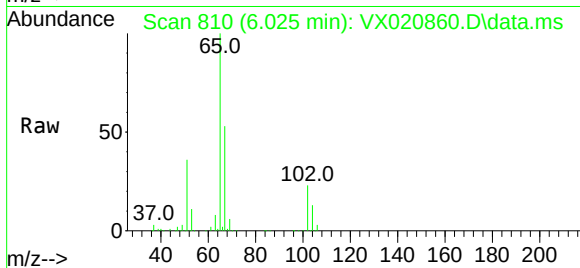
Acq: 04 Feb 2021 13:01

Tgt Ion: 65 Resp: 191025

Ion Ratio Lower Upper

65 100

67 53.5 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: VX020860.D

Acq: 04 Feb 2021 13:01

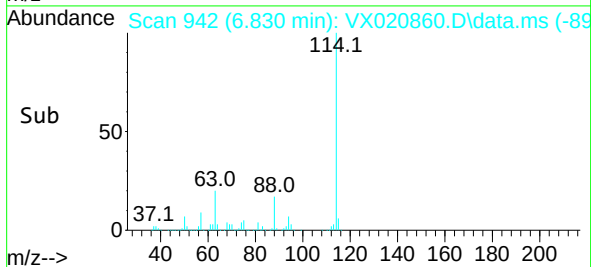
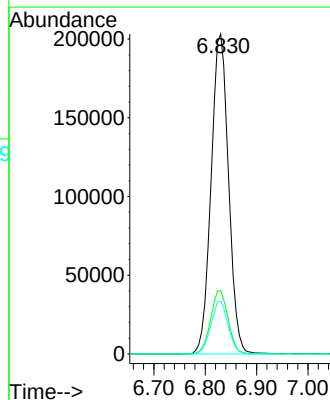
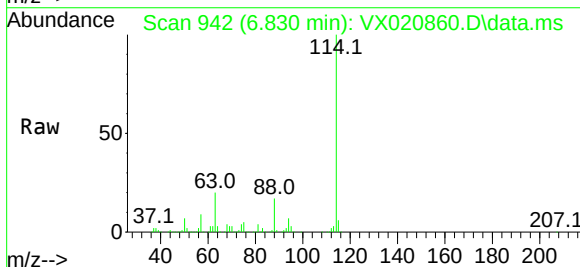
Tgt Ion: 114 Resp: 478597

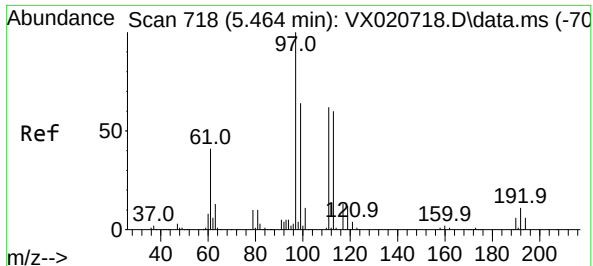
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

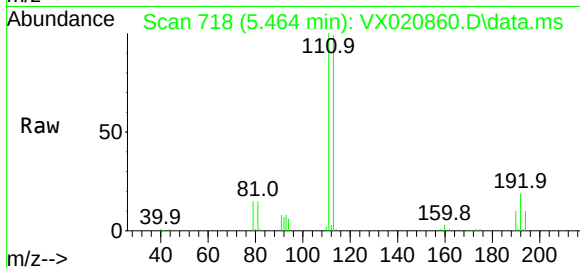
88 16.5 0.0 32.8



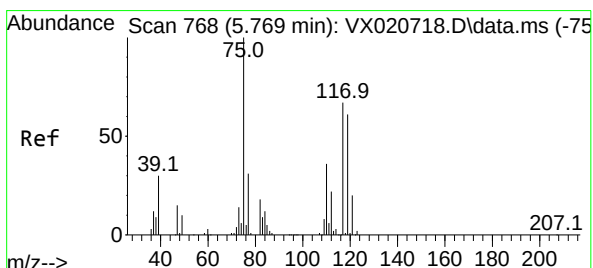
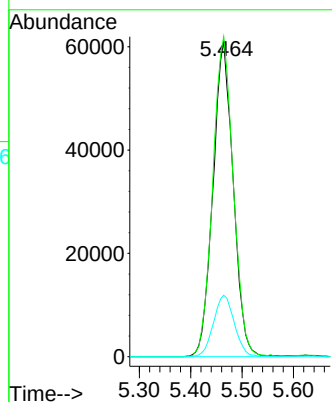
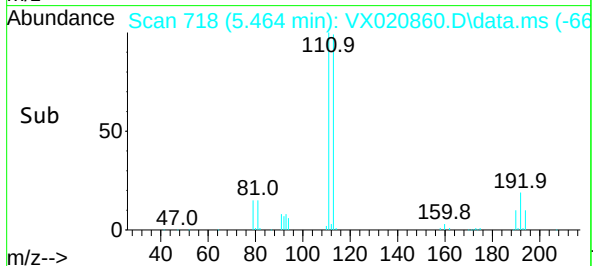


#35
Dibromofluoromethane
Concen: 50.94 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

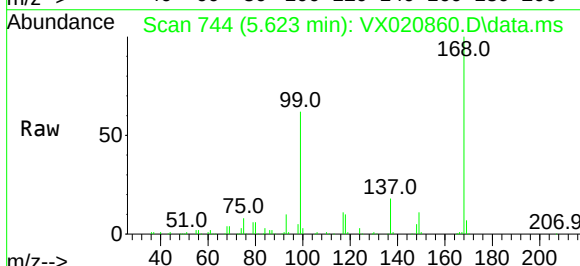
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260



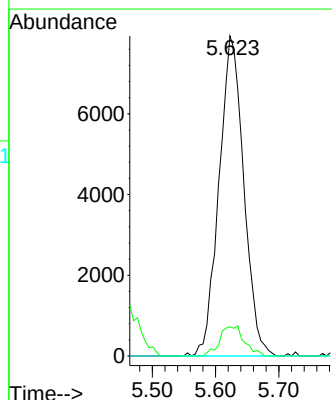
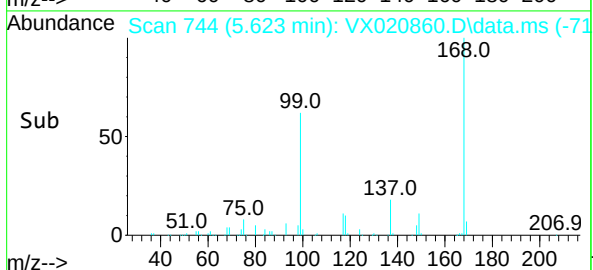
Tgt Ion:113 Resp: 166989
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.1 16.7 25.1

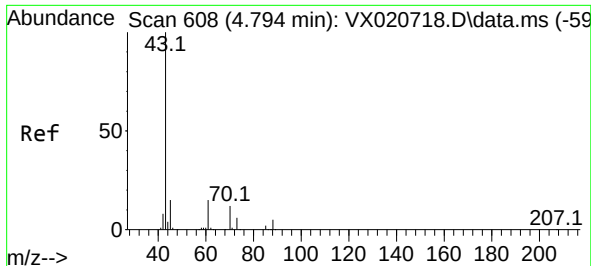


#36
1,1-Dichloropropene
Concen: 4.48 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01



Tgt Ion: 75 Resp: 21514
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.57 ug/l

RT: 4.635 min Scan# 582

Delta R.T. -0.159 min

Lab File: VX020860.D

Acq: 04 Feb 2021 13:01

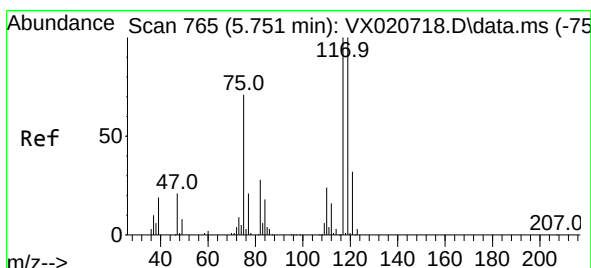
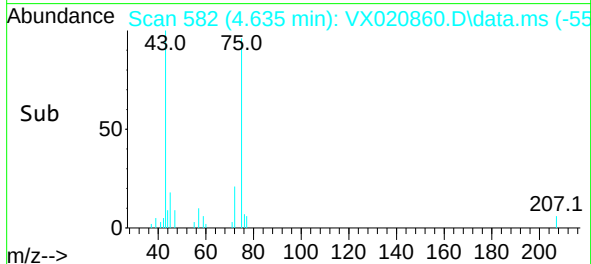
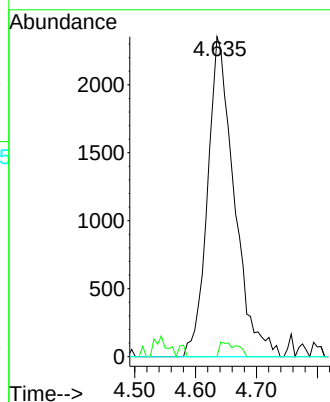
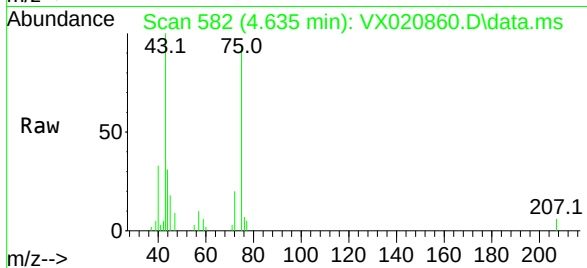
Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW6-GW-258-260

Tgt Ion:	43	Resp:	7161
Ion	Ratio	Lower	Upper
43	100		
61	3.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.65 ug/l

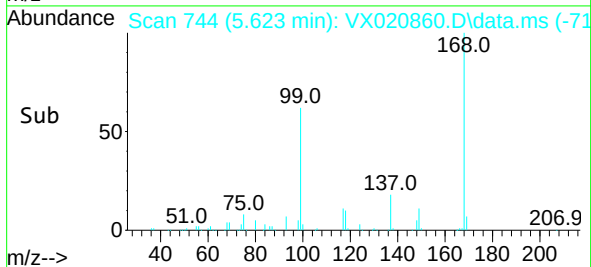
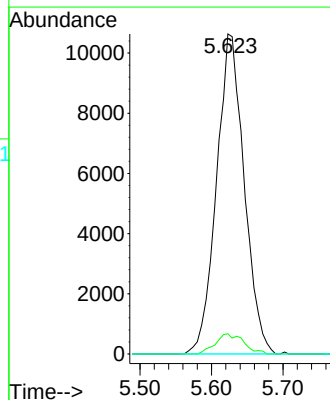
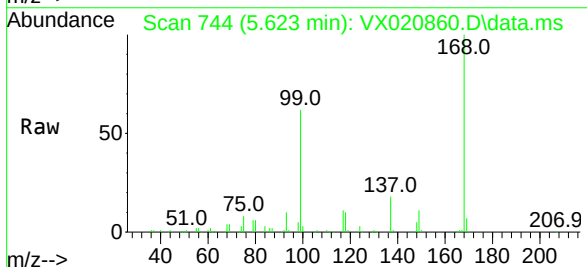
RT: 5.623 min Scan# 744

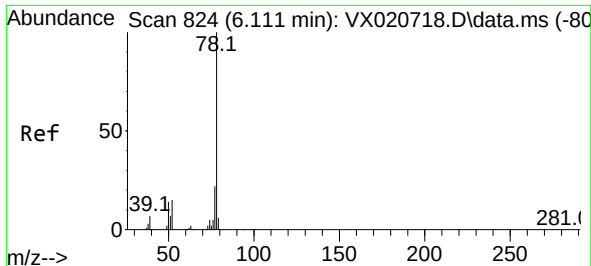
Delta R.T. -0.128 min

Lab File: VX020860.D

Acq: 04 Feb 2021 13:01

Tgt Ion:	117	Resp:	28558
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.2	114.2#
121	0.0	24.8	37.2#

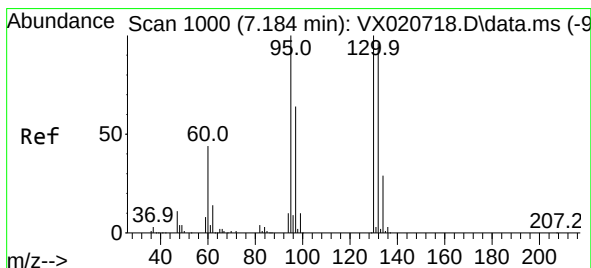
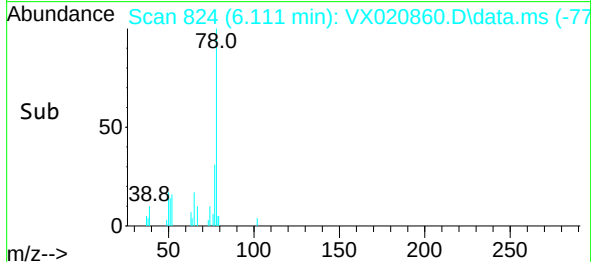
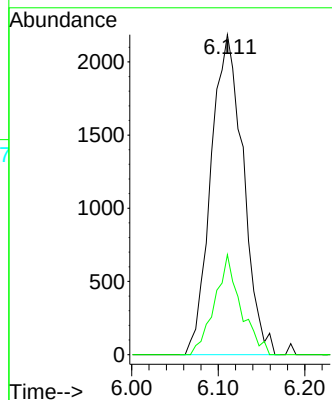
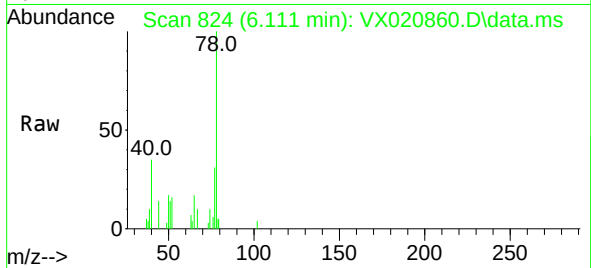




#40
Benzene
Concen: 0.40 ug/l
RT: 6.111 min Scan# 824
Delta R.T. -0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

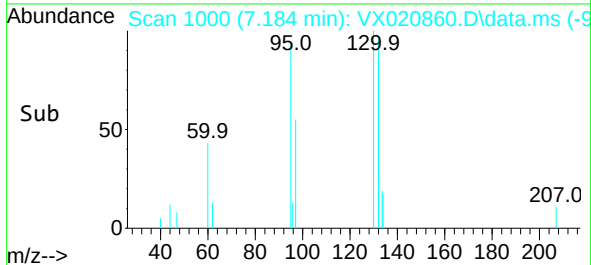
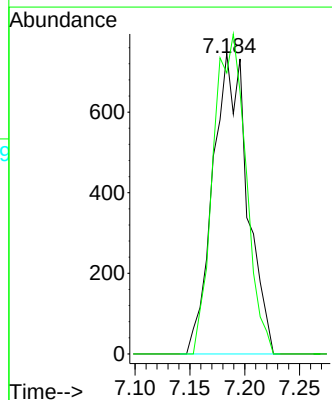
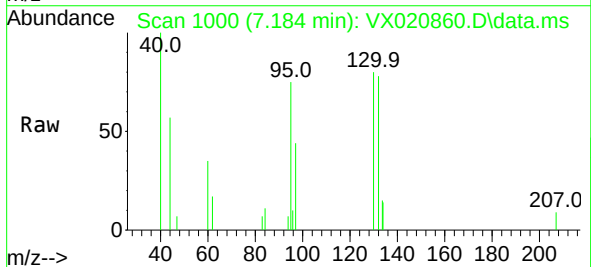
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

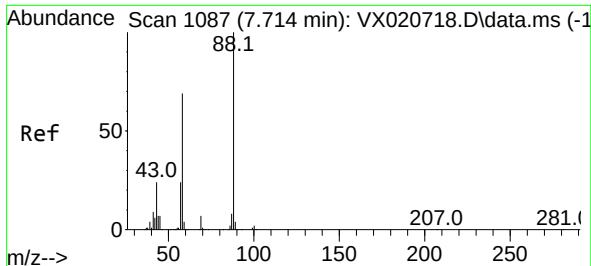
Tgt Ion: 78 Resp: 5653
Ion Ratio Lower Upper
78 100
77 31.2 18.9 28.3#



#44
Trichloroethene
Concen: 0.43 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 130 Resp: 1632
Ion Ratio Lower Upper
130 100
95 93.4 0.0 198.0

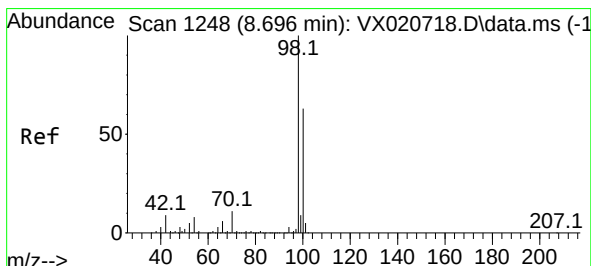
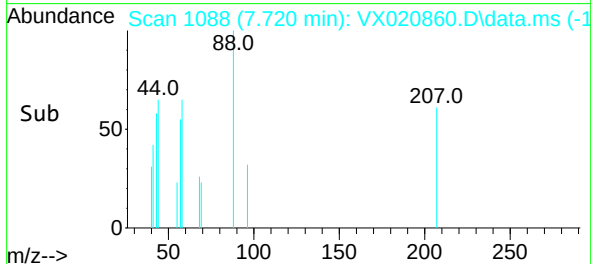
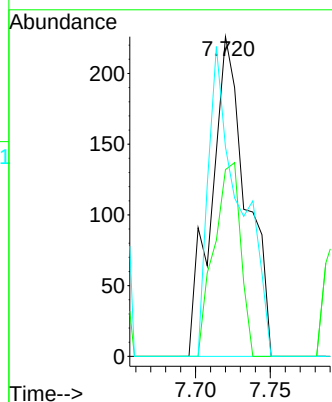
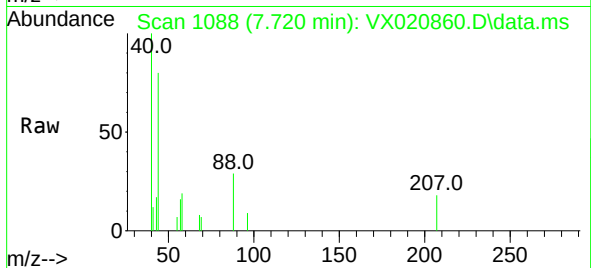




#49
1,4-Dioxane
Concen: 4.29 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

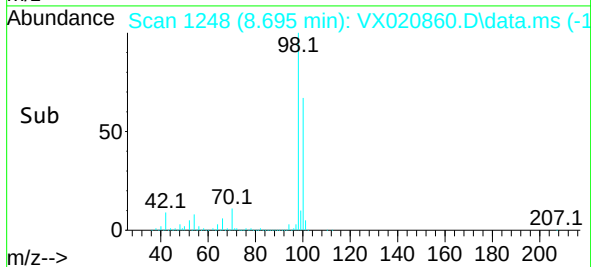
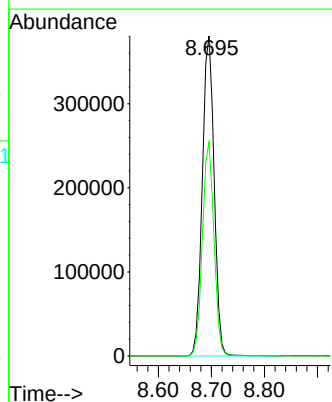
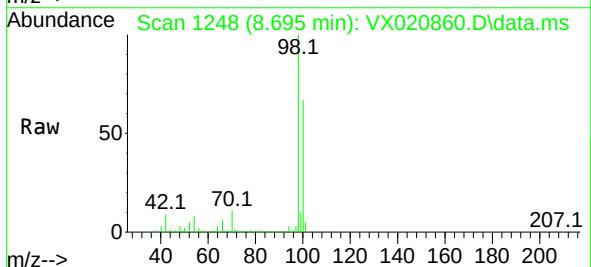
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

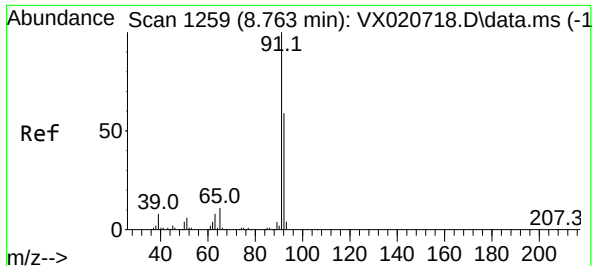
Tgt Ion: 88 Resp: 369
Ion Ratio Lower Upper
88 100
43 45.8 23.2 34.8#
58 86.2 55.0 82.4#



#50
Toluene-d8
Concen: 48.97 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 98 Resp: 588575
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9





#52

Toluene

Concen: 0.21 ug/l

RT: 8.762 min Scan# 1259

Delta R.T. -0.001 min

Lab File: VX020860.D

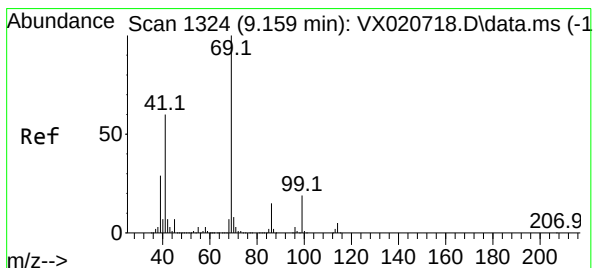
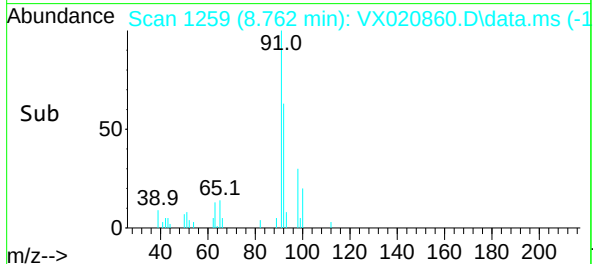
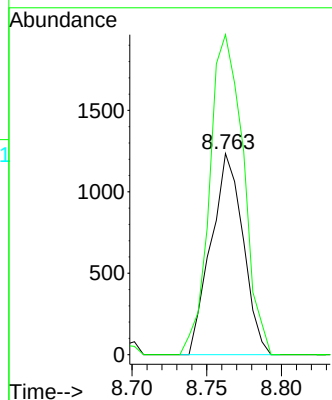
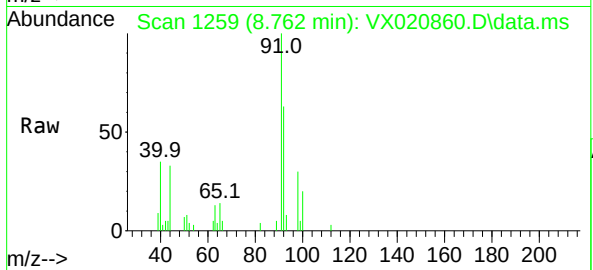
Acq: 04 Feb 2021 13:01

Tgt Ion: 92 Resp: 1841

Ion Ratio Lower Upper

92 100

91 166.8 137.1 205.7



#56

Ethyl methacrylate

Concen: 2.79 ug/l

RT: 9.012 min Scan# 1300

Delta R.T. -0.147 min

Lab File: VX020860.D

Acq: 04 Feb 2021 13:01

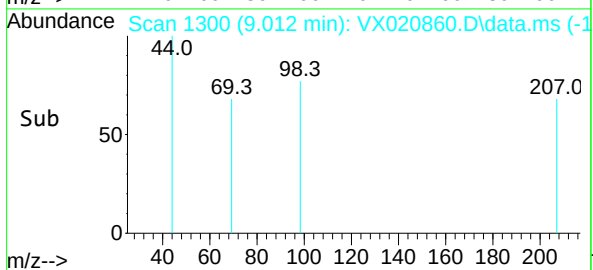
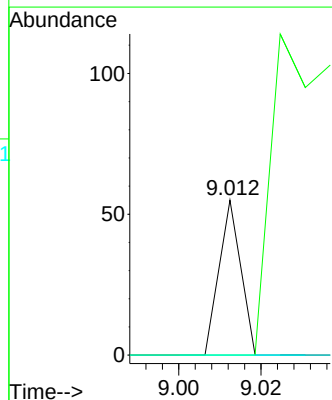
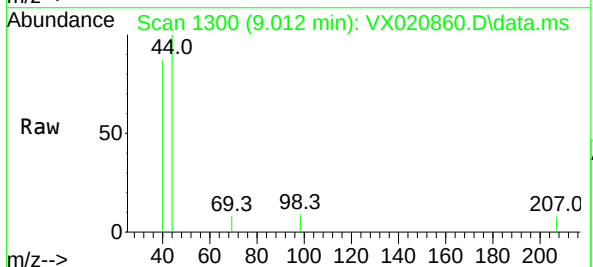
Tgt Ion: 69 Resp: 20

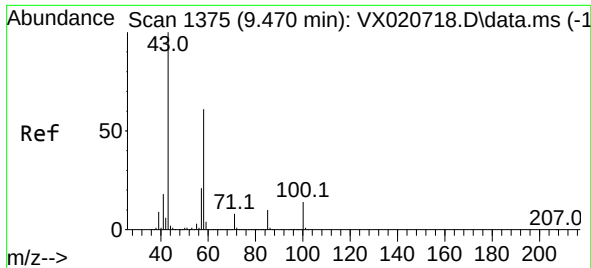
Ion Ratio Lower Upper

69 100

41 0.0 46.8 70.2#

39 0.0 24.7 37.1#

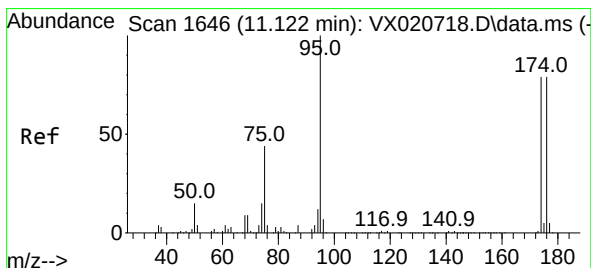
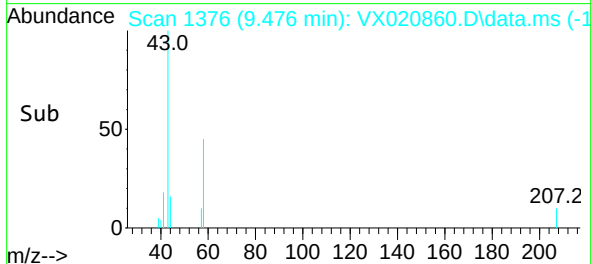
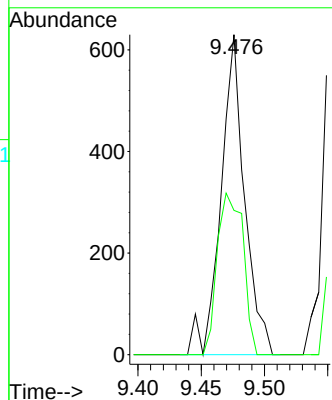
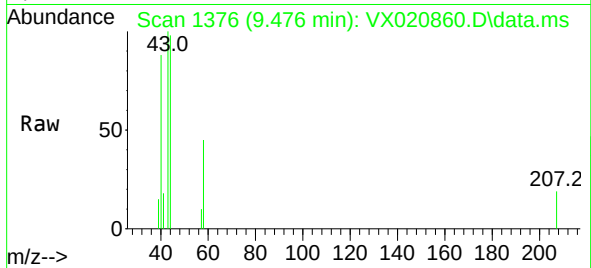




#59
2-Hexanone
Concen: 0.24 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

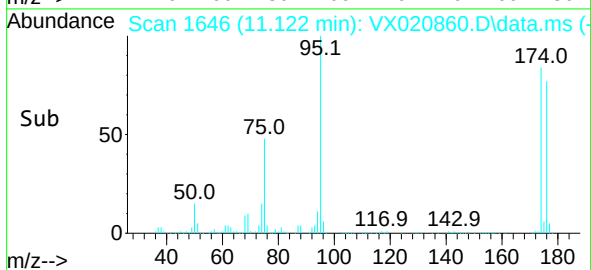
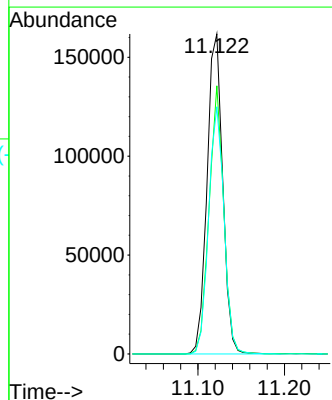
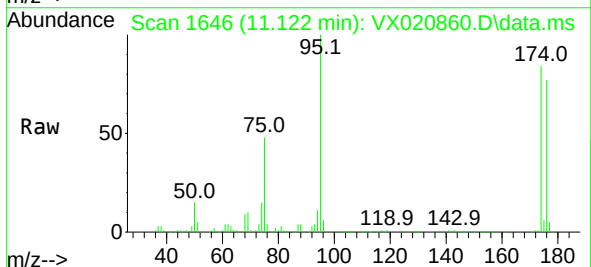
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

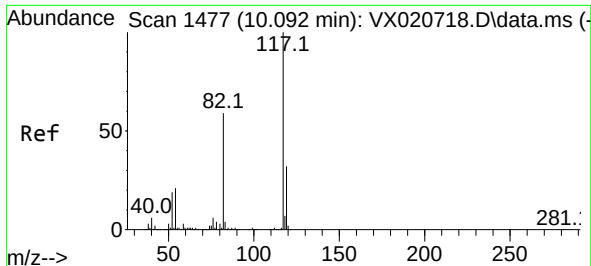
Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 55.0 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 43.49 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 95 Resp: 202980
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 76.2 0.0 155.8

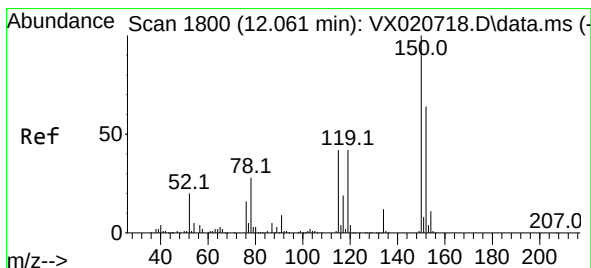
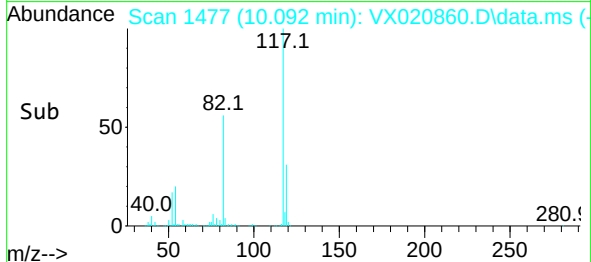
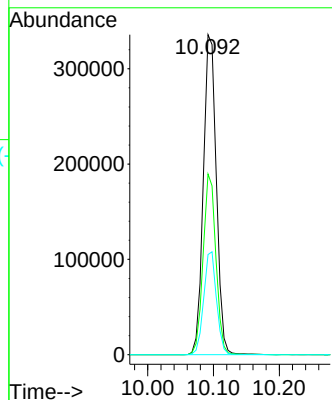
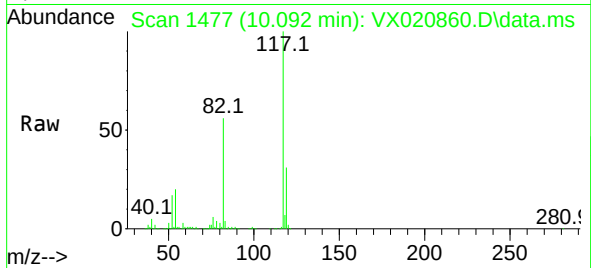




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

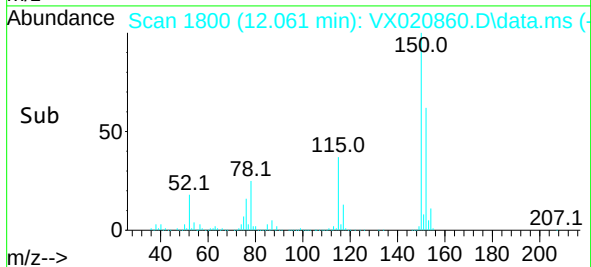
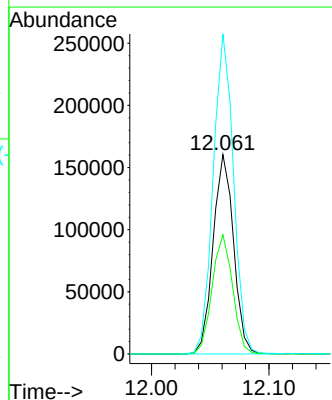
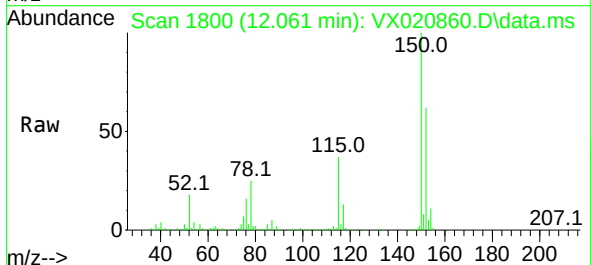
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

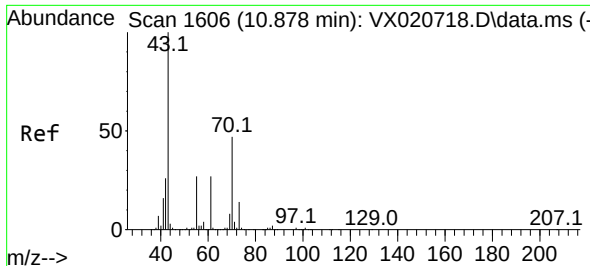
Tgt Ion:117	Resp: 461603
Ion Ratio	Lower Upper
117 100	
82 56.4	47.4 71.2
119 31.3	26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

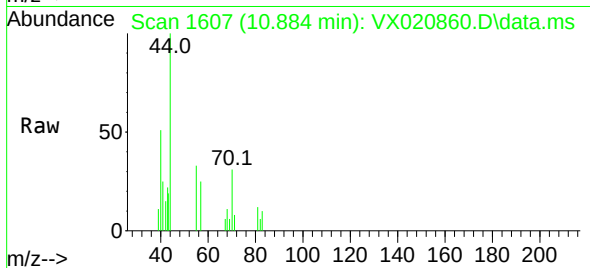
Tgt Ion:152	Resp: 194260
Ion Ratio	Lower Upper
152 100	
115 60.0	41.1 123.3
150 159.5	0.0 349.0



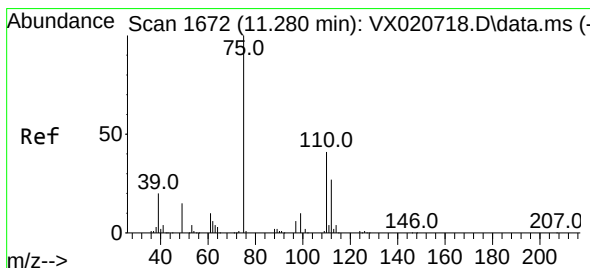
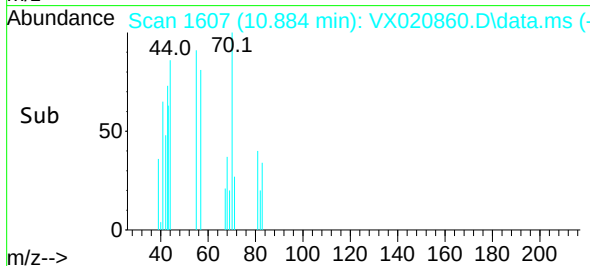
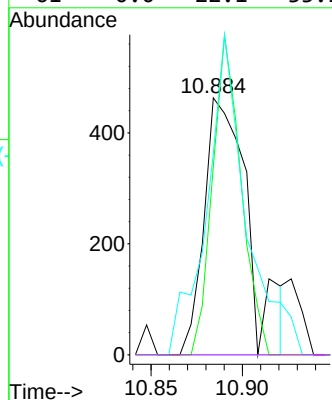


#74
N-amy1 acetate
Concen: 2.14 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

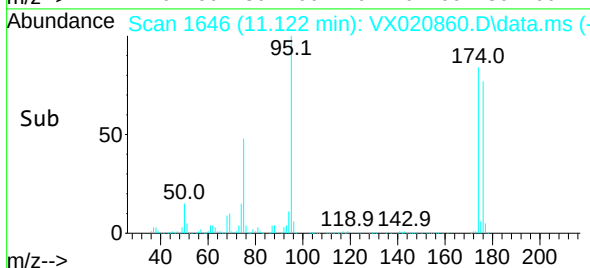
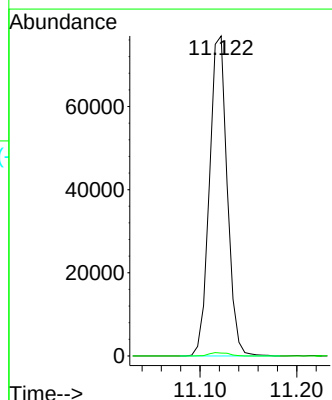
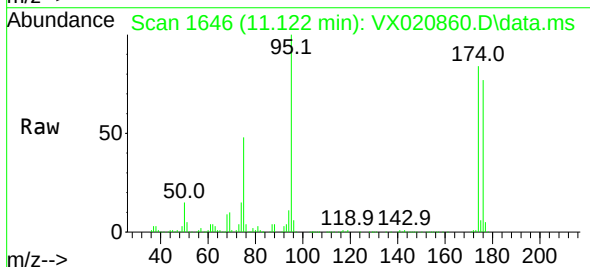


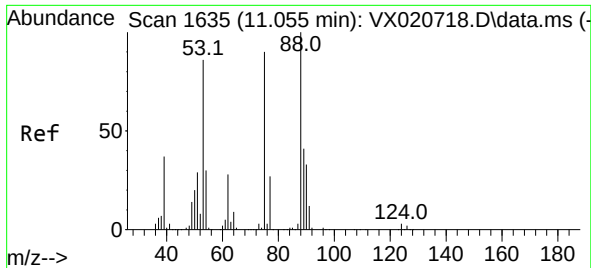
Tgt Ion: 43	Resp: 781
Ion Ratio	Lower Upper
43	100
70	80.2 39.0 58.6#
55	111.4 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.75 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 75	Resp: 97988
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#

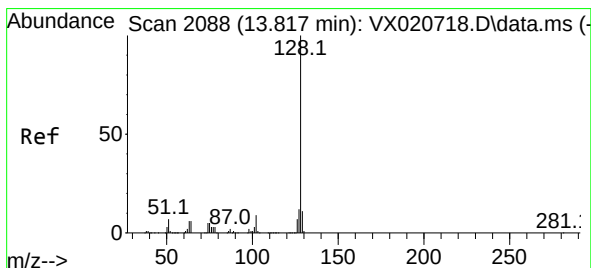
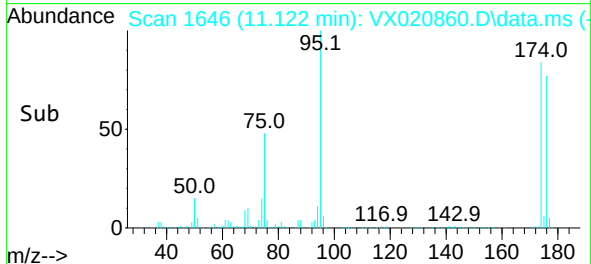
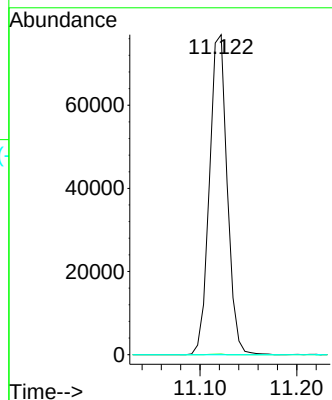
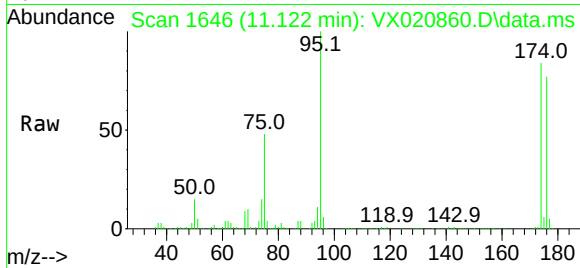




#81
trans-1,4-Dichloro-2-butene
Concen: 60.95 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW6-GW-258-260

Tgt Ion: 75 Resp: 97988
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.93 ug/l
RT: 13.823 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VX020860.D
Acq: 04 Feb 2021 13:01

Tgt Ion: 128 Resp: 976
Ion Ratio Lower Upper
128 100
127 10.8 10.3 15.5
129 12.4 8.8 13.2

