

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN065997.D
 Acq On : 24 Feb 2021 12:32
 Operator : JC/MD
 Sample : M1473-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-022321

Quant Time: Feb 25 02:12:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

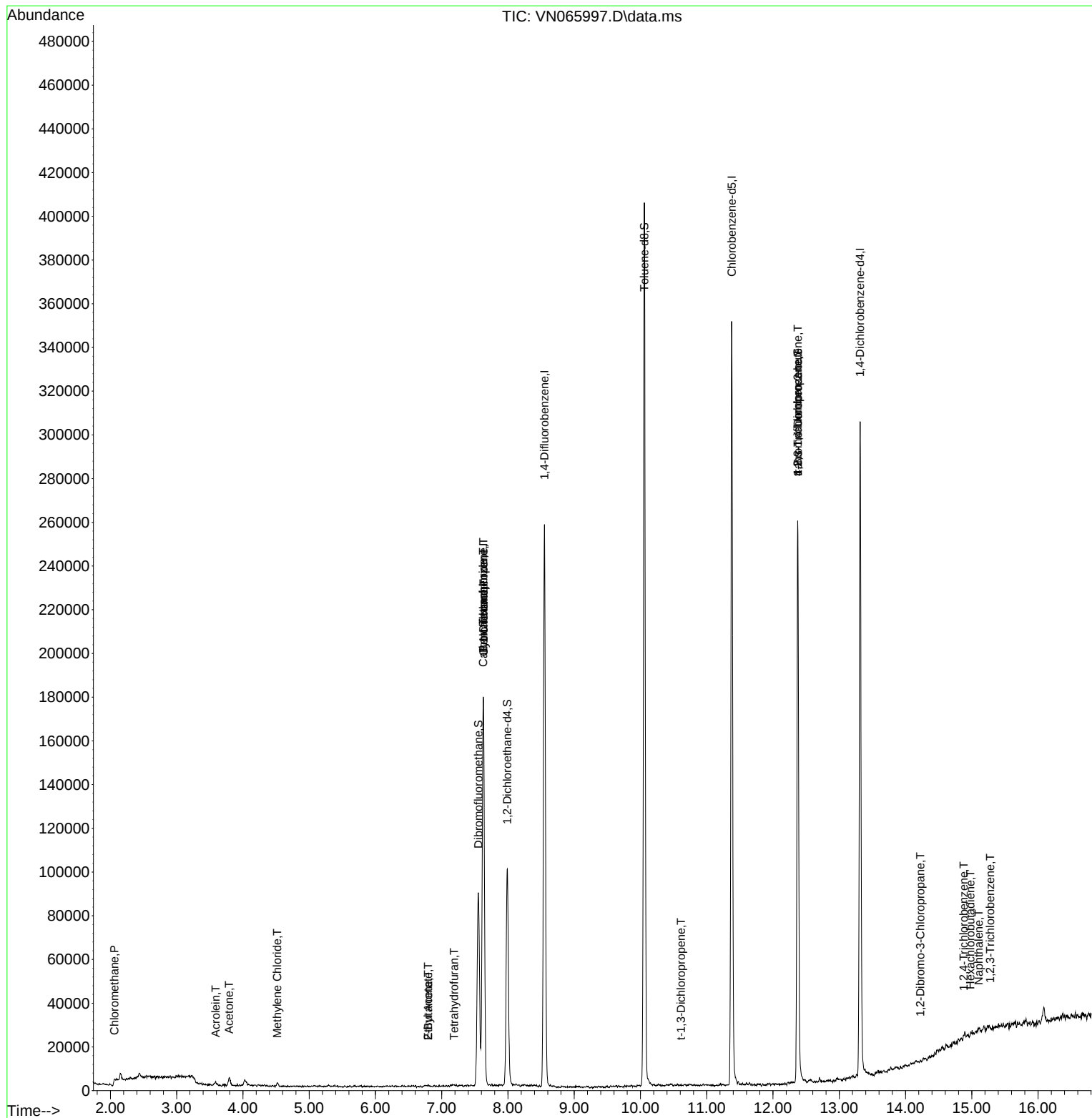
Internal Standards						
1) Pentafluorobenzene	7.627	168	143581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	236432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	213587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	85869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	92191	45.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.84%		
35) Dibromofluoromethane	7.553	113	70414	48.12	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.24%		
50) Toluene-d8	10.058	98	287669	47.89	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.78%		
62) 4-Bromofluorobenzene	12.373	95	104478	46.33	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.66%		
Target Compounds					Qvalue	
3) Chloromethane	2.059	50	1054	0.45	ug/l #	80
13) Acrolein	3.589	56	1859	7.28	ug/l	95
16) Acetone	3.792	43	7051	9.64	ug/l	100
20) Methylene Chloride	4.518	84	1098	0.59	ug/l	92
25) 2-Butanone	6.795	43	546	0.55	ug/l #	46
29) Tetrahydrofuran	7.187	42	530	0.77	ug/l #	41
31) Cyclohexane	7.631	56	3240	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	11366	4.88	ug/l #	45
37) Ethyl Acetate	6.795	43	546	0.26	ug/l #	68
38) Carbon Tetrachloride	7.624	117	14097	6.51	ug/l #	16
53) t-1,3-Dichloropropene	10.611	75	30	1.99	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	52521	25.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	52521	81.14	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.222	75	203	1.34	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.878	180	267	2.63	ug/l	88
94) Hexachlorobutadiene	14.981	225	134	0.20	ug/l #	47
95) Naphthalene	15.106	128	1969	3.43	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.280	180	492	2.48	ug/l	86

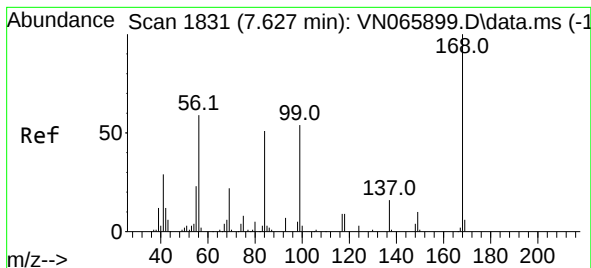
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. 0.000 min

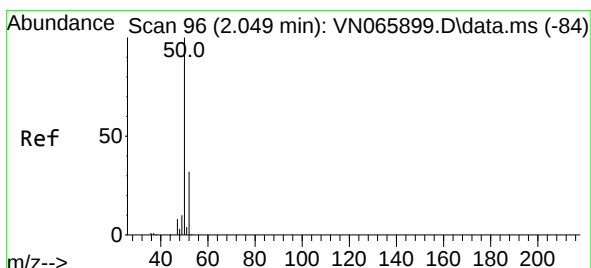
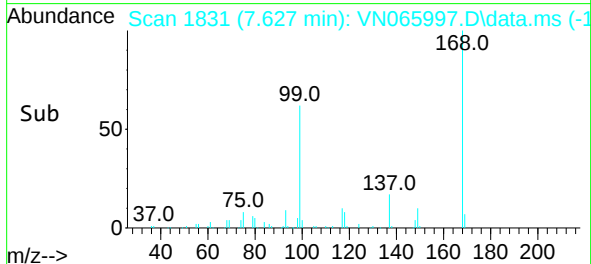
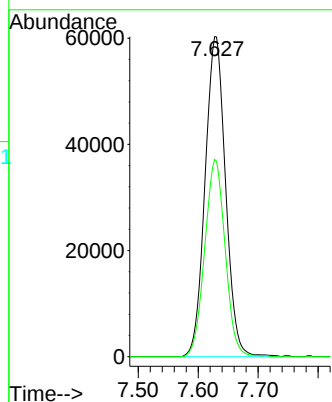
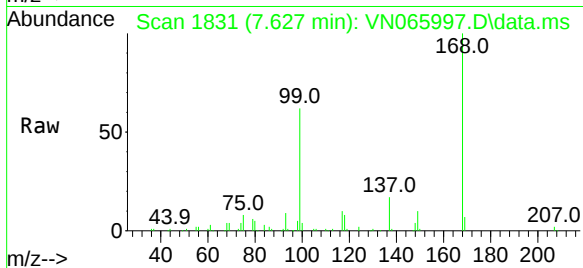
Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion:168 Resp: 143581

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	61.6	42.6	63.8



#3

Chloromethane

Concen: 0.45 ug/l

RT: 2.059 min Scan# 99

Delta R.T. 0.010 min

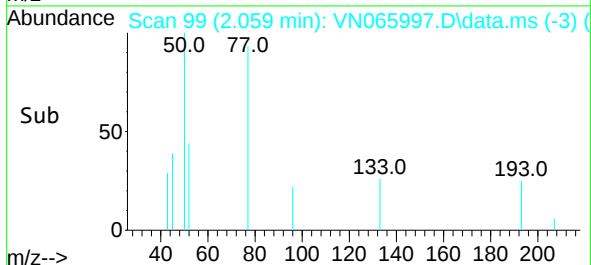
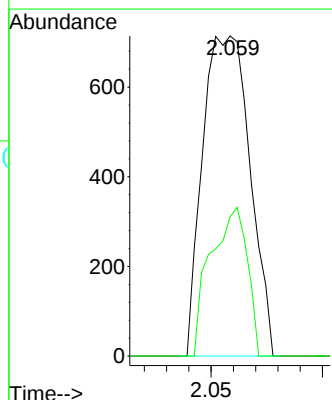
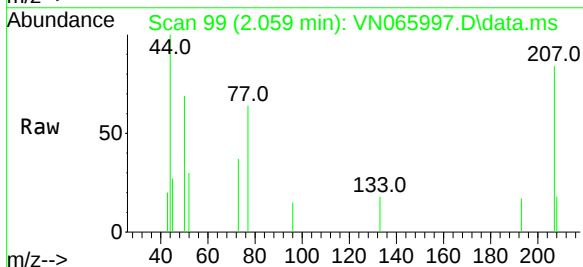
Lab File: VN065997.D

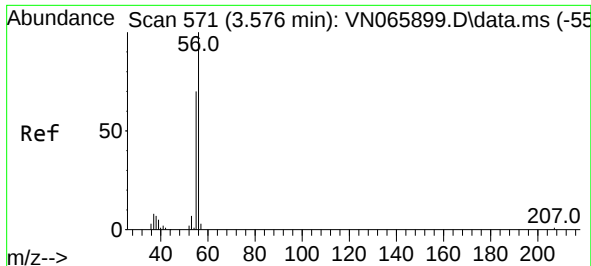
Acq: 24 Feb 2021 12:32

Tgt Ion: 50 Resp: 1054

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	43.6	25.8	38.8

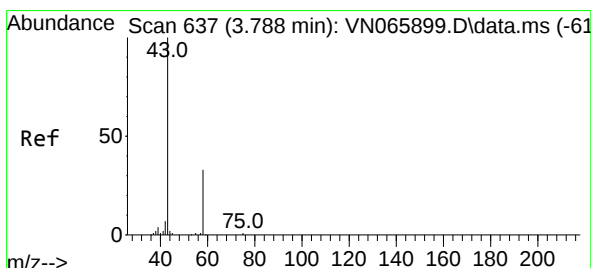
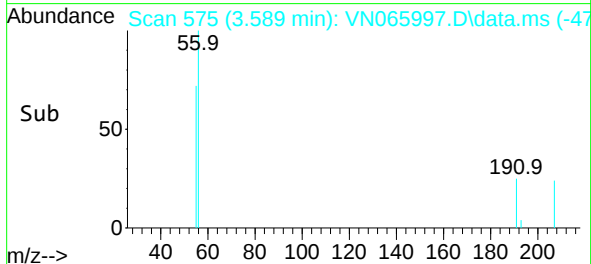
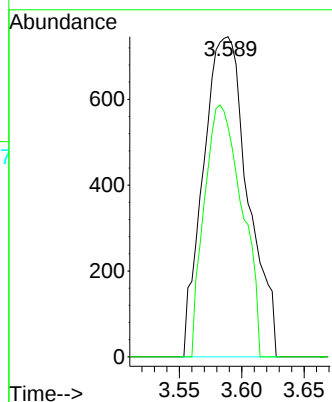
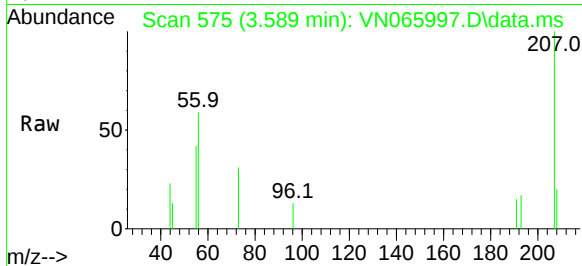




#13
Acrolein
Concen: 7.28 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

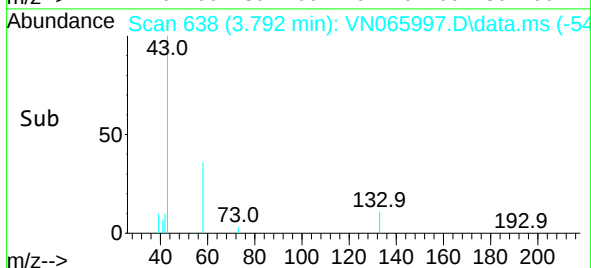
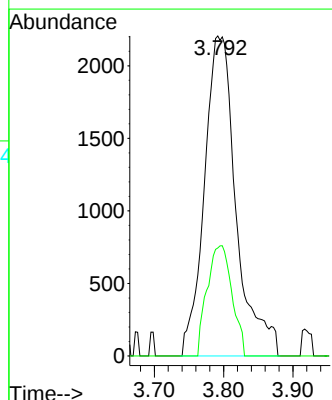
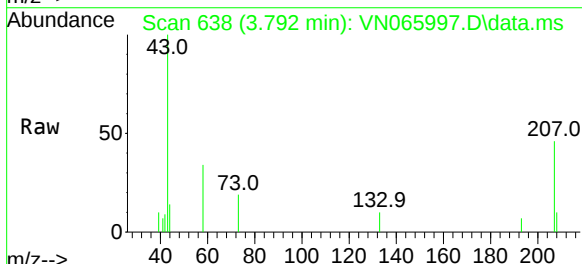
Instrument :
MSVOA_N
ClientSampled :
EB-022321

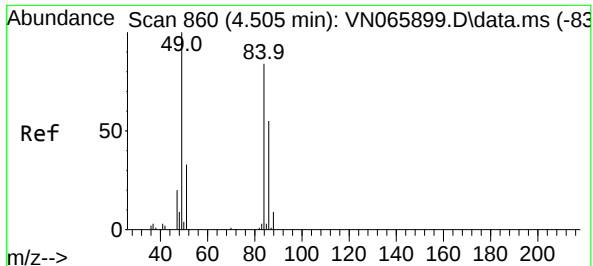
Tgt Ion: 56 Resp: 1859
Ion Ratio Lower Upper
56 100
55 66.2 56.0 84.0



#16
Acetone
Concen: 9.64 ug/l
RT: 3.792 min Scan# 638
Delta R.T. 0.004 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

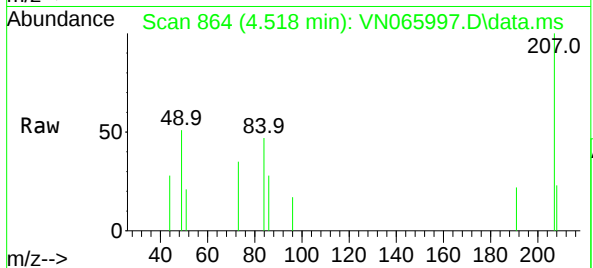
Tgt Ion: 43 Resp: 7051
Ion Ratio Lower Upper
43 100
58 33.8 27.0 40.6



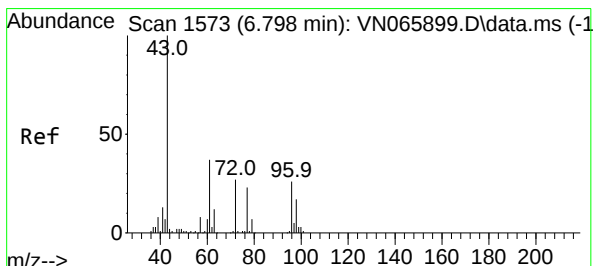
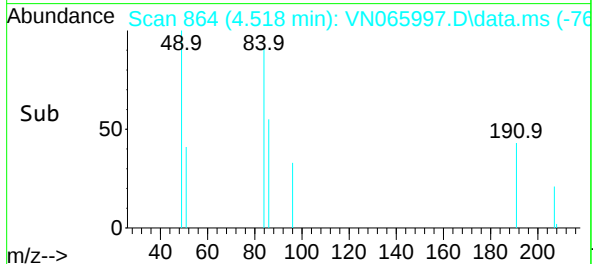
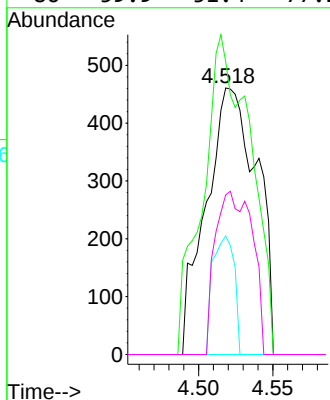


#20
Methylene Chloride
Concen: 0.59 ug/l
RT: 4.518 min Scan# 864
Delta R.T. 0.013 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

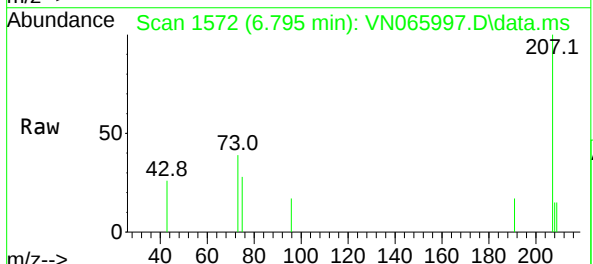
Instrument :
MSVOA_N
ClientSampleId :
EB-022321



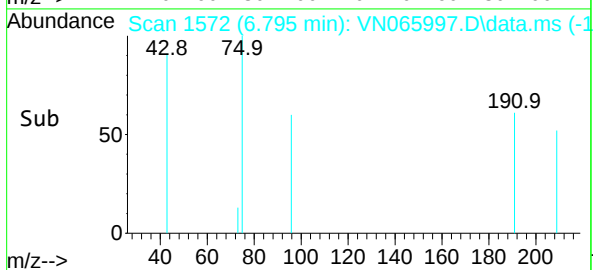
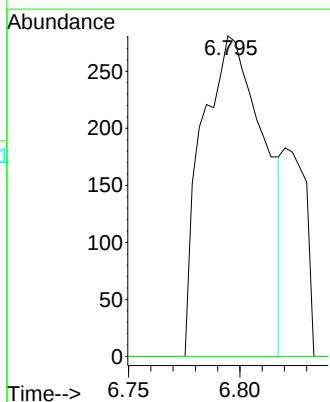
Tgt Ion: 84	Resp: 1098
Ion Ratio	Lower Upper
84 100	
49 109.8	94.6 141.8
51 44.5	29.9 44.9
86 59.9	51.4 77.2

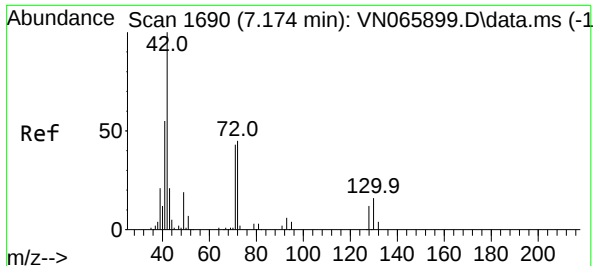


#25
2-Butanone
Concen: 0.55 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32



Tgt Ion: 43	Resp: 546
Ion Ratio	Lower Upper
43 100	
72 0.0	23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.77 ug/l

RT: 7.187 min Scan# 1694

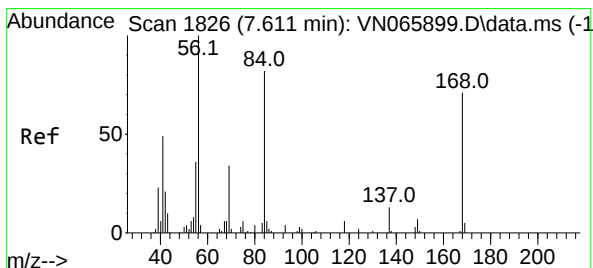
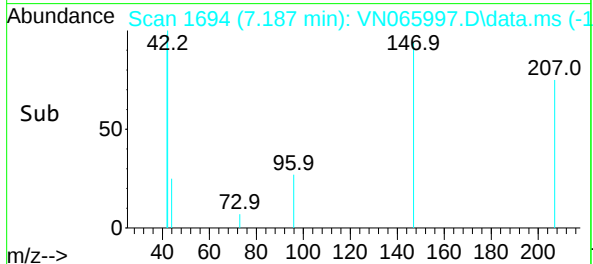
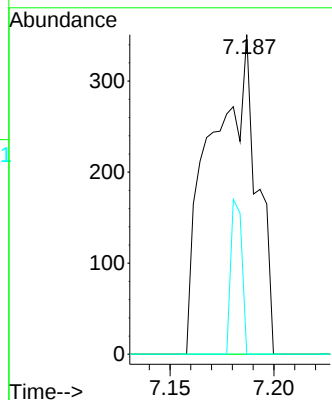
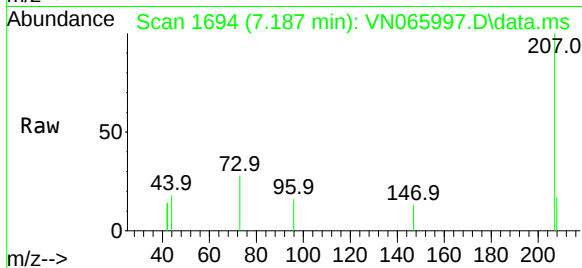
Delta R.T. 0.013 min

Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion: 42	Resp: 530
Ion Ratio	Lower Upper
42 100	
72 0.0	36.6 55.0#
71 11.9	34.3 51.5#

Instrument :
MSVOA_N
ClientSampled :
EB-022321



#31

Cyclohexane

Concen: 1.08 ug/l

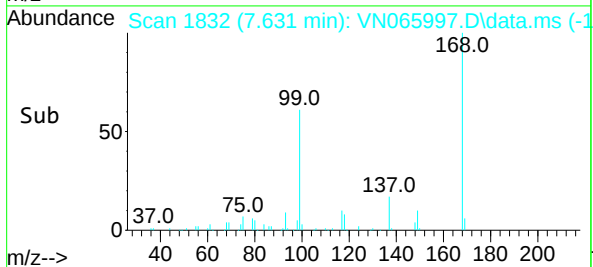
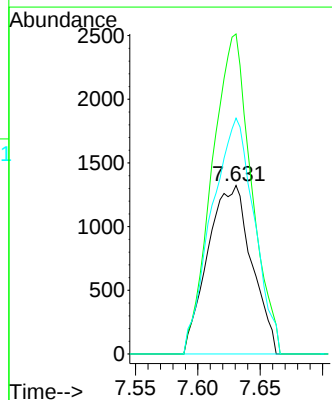
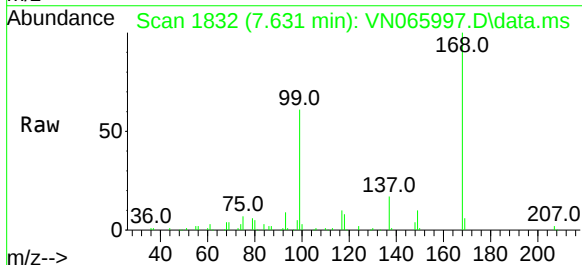
RT: 7.631 min Scan# 1832

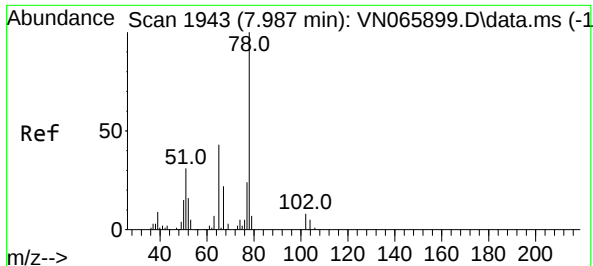
Delta R.T. 0.020 min

Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion: 56	Resp: 3240
Ion Ratio	Lower Upper
56 100	
69 189.9	26.6 39.8#
84 140.0	70.4 105.6#

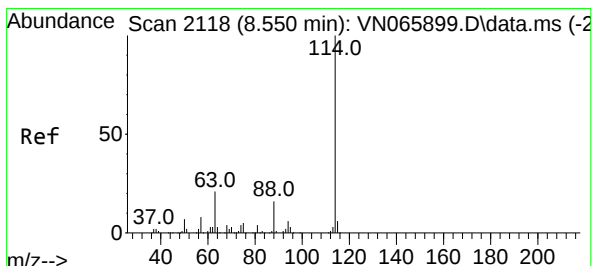
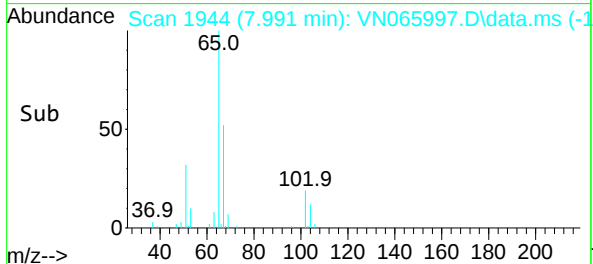
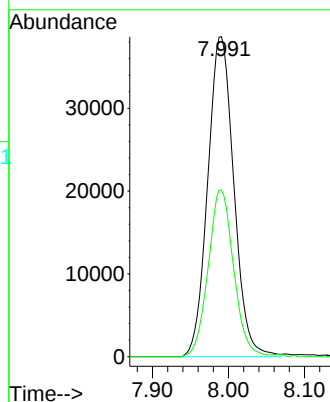
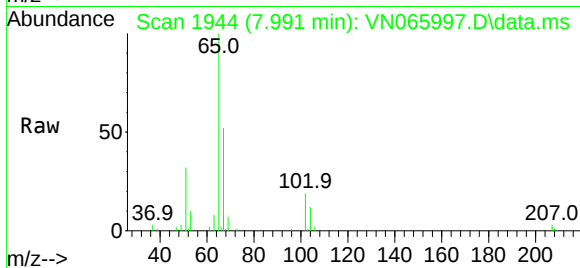




#33
1,2-Dichloroethane-d4
Concen: 45.92 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

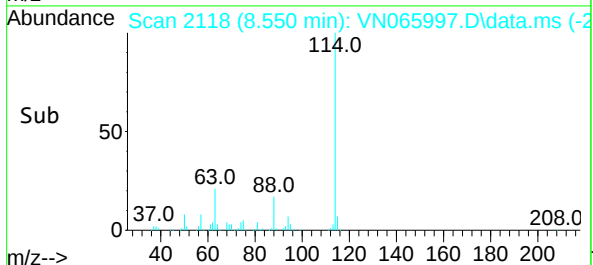
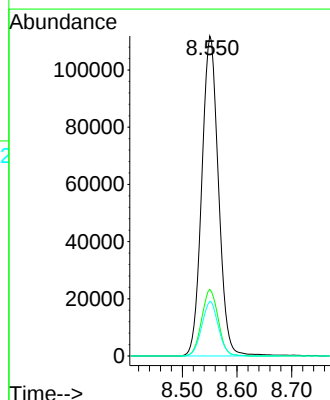
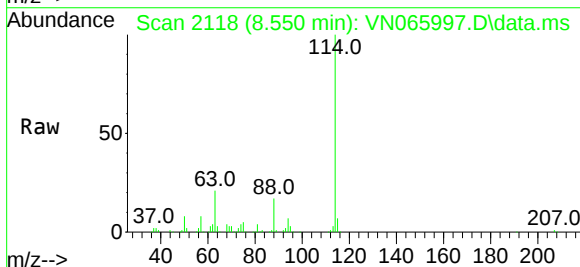
Instrument :
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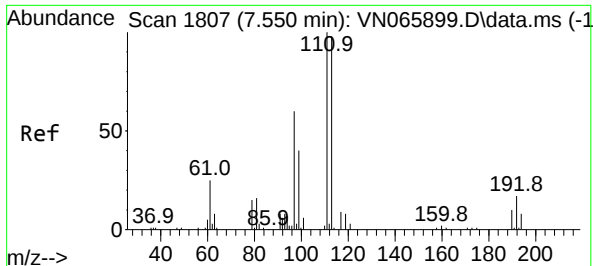
Tgt Ion: 65 Resp: 92191
Ion Ratio Lower Upper
65 100
67 50.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Tgt Ion: 114 Resp: 236432
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.12 ug/l

RT: 7.553 min Scan# 1808

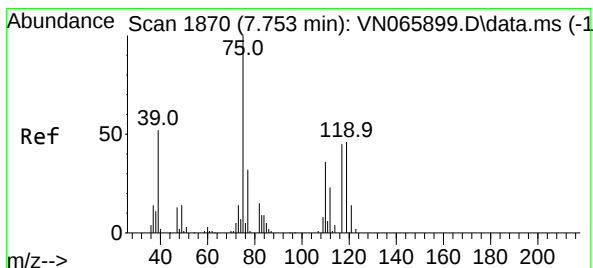
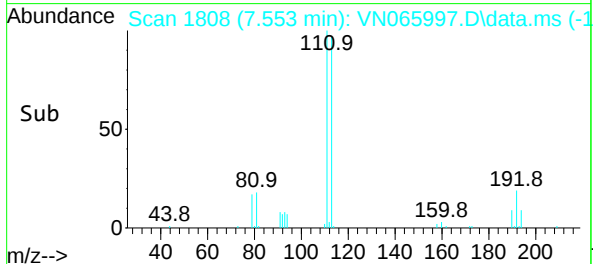
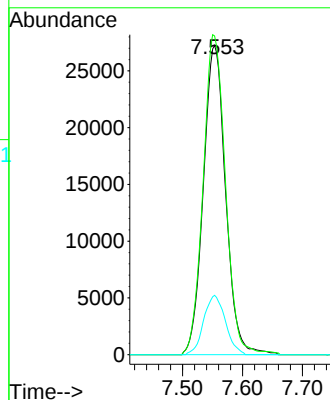
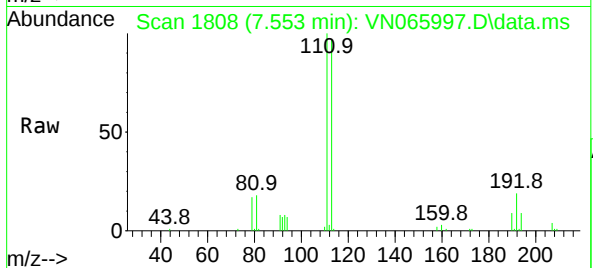
Delta R.T. 0.003 min

Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion:	113	Resp:	70414
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.2
192	18.7	15.4	23.0

Instrument :
MSVOA_N
ClientSampleId :
EB-022321



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

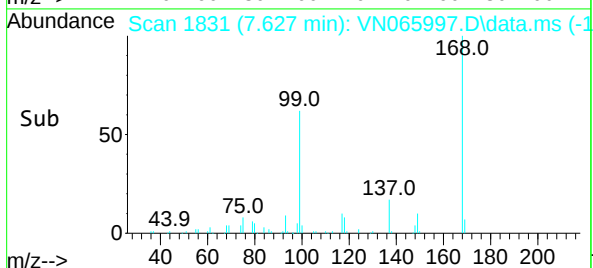
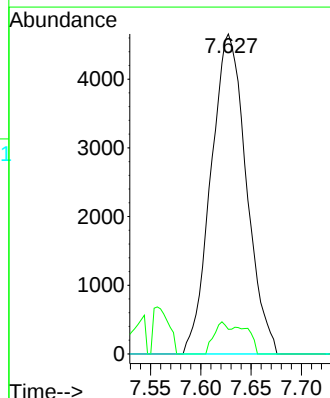
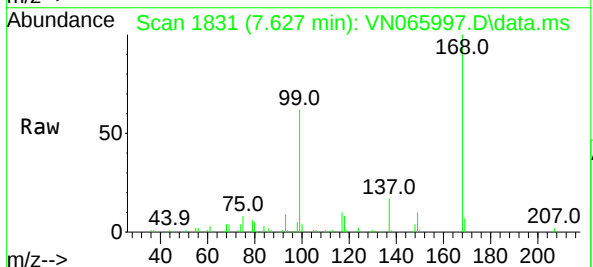
RT: 7.627 min Scan# 1831

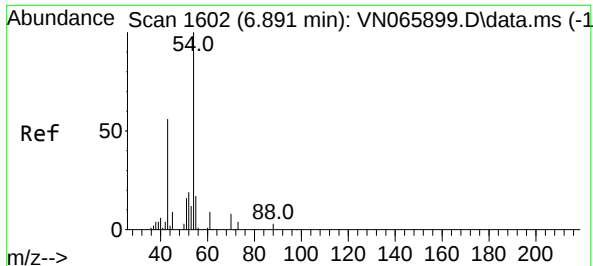
Delta R.T. -0.126 min

Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion:	75	Resp:	11366
Ion	Ratio	Lower	Upper
75	100		
110	4.6	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.26 ug/l

RT: 6.795 min Scan# 1572

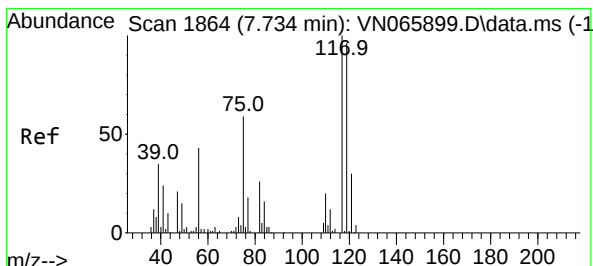
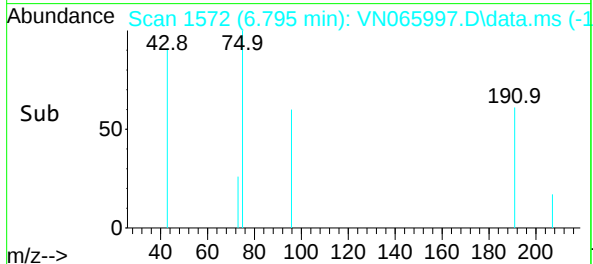
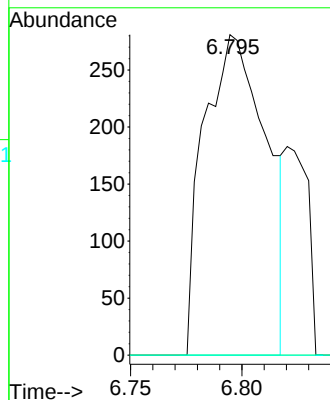
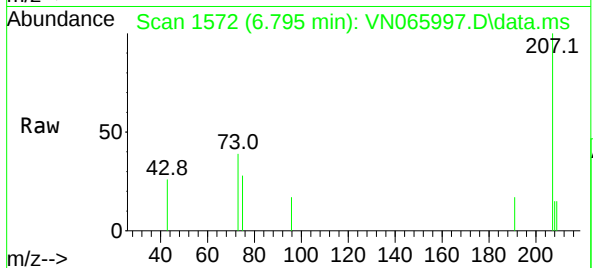
Delta R.T. -0.096 min

Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion:	43	Resp:	546
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
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#38

Carbon Tetrachloride

Concen: 6.51 ug/l

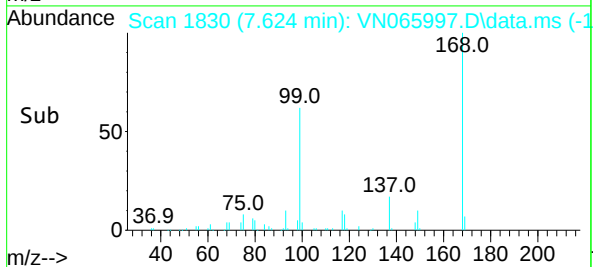
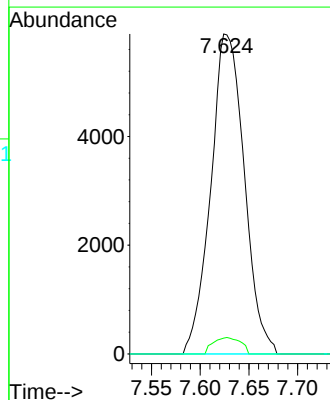
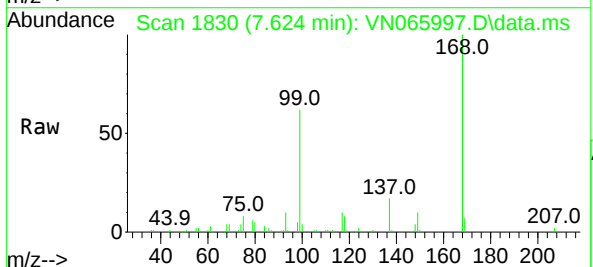
RT: 7.624 min Scan# 1830

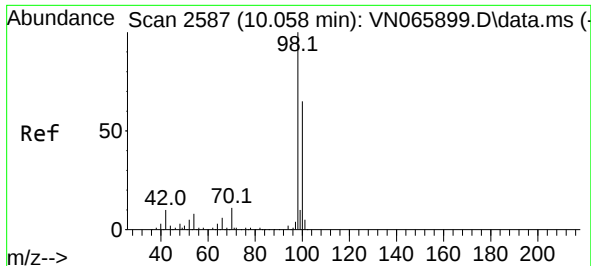
Delta R.T. -0.110 min

Lab File: VN065997.D

Acq: 24 Feb 2021 12:32

Tgt Ion:	117	Resp:	14097
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.0	24.5	36.7#

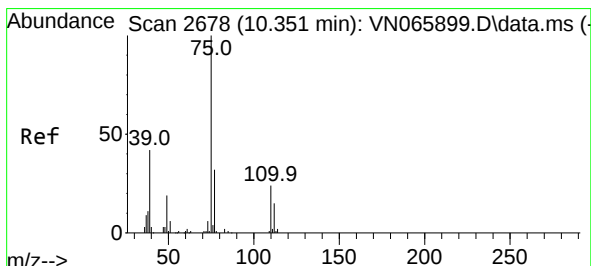
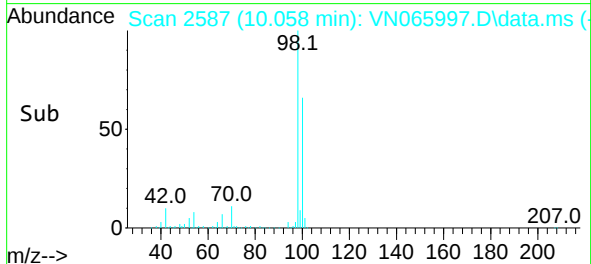
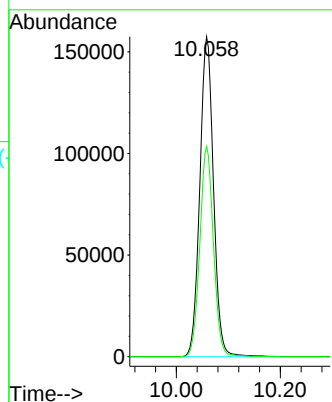
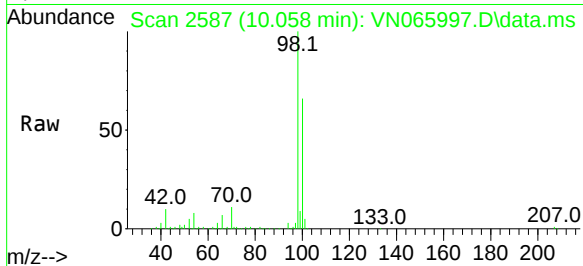




#50
Toluene-d8
Concen: 47.89 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

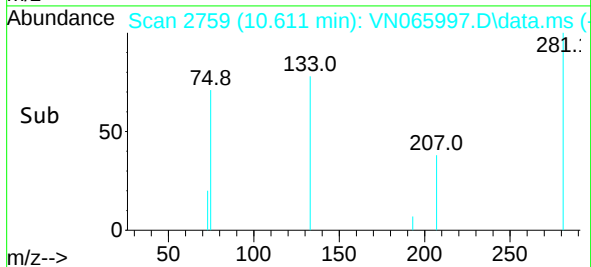
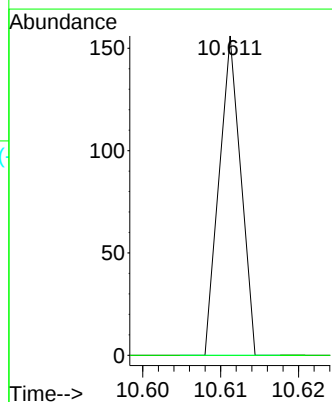
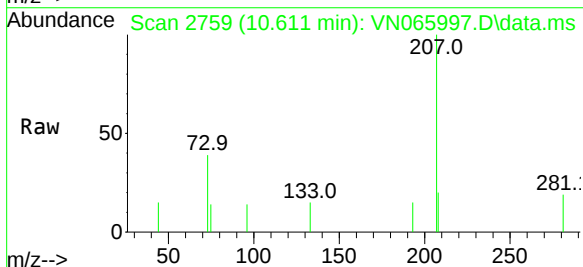
Instrument :
MSVOA_N
ClientSampleId :
EB-022321

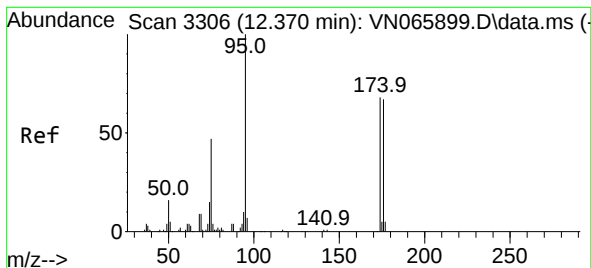
Tgt Ion: 98 Resp: 287669
Ion Ratio Lower Upper
98 100
100 65.6 50.5 75.7



#53
t-1,3-Dichloropropene
Concen: 1.99 ug/l
RT: 10.611 min Scan# 2759
Delta R.T. 0.260 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#

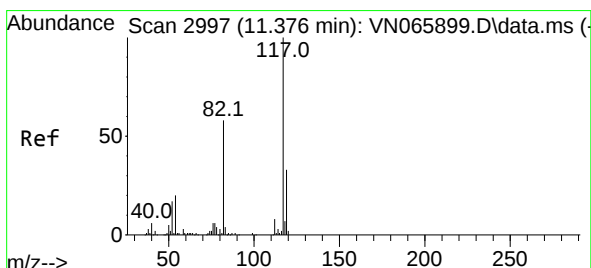
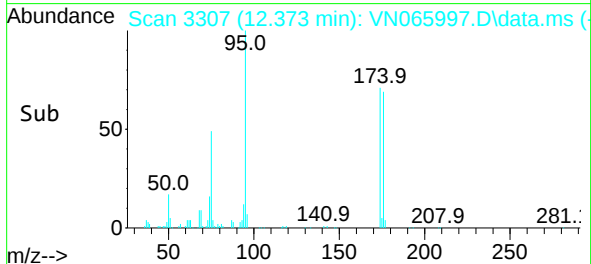
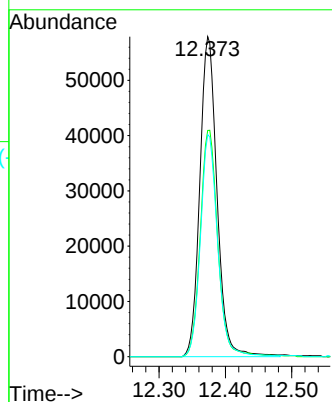
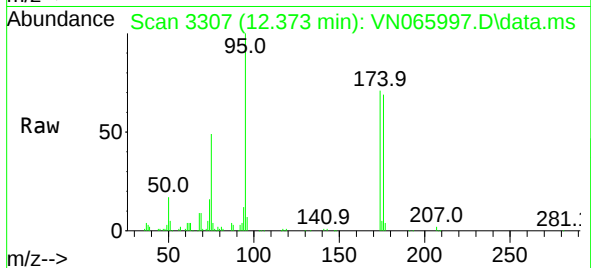




#62
4-Bromofluorobenzene
Concen: 46.33 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

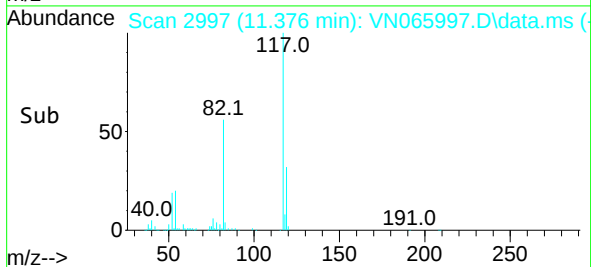
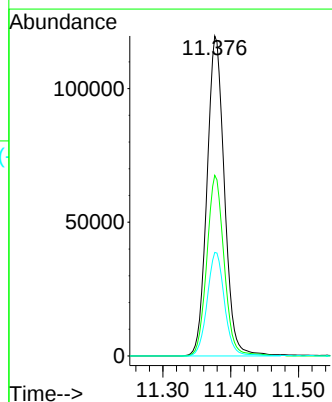
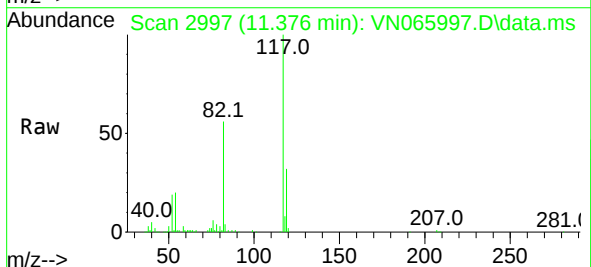
Instrument :
MSVOA_N
ClientSampleId :
EB-022321

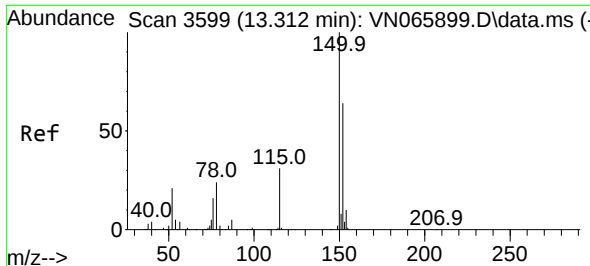
Tgt Ion: 95 Resp: 104478
Ion Ratio Lower Upper
95 100
174 71.7 0.0 169.0
176 69.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Tgt Ion: 117 Resp: 213587
Ion Ratio Lower Upper
117 100
82 56.5 43.7 65.5
119 32.4 26.1 39.1

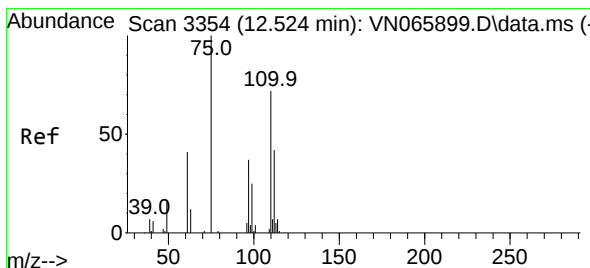
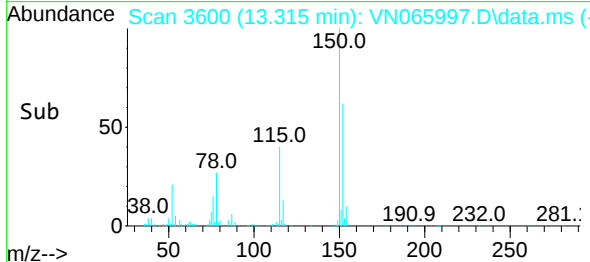
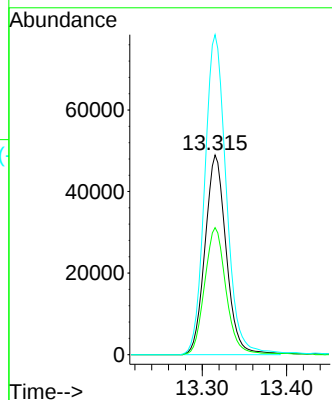
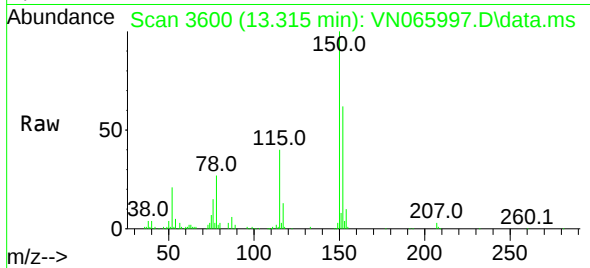




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065997.D
 Acq: 24 Feb 2021 12:32

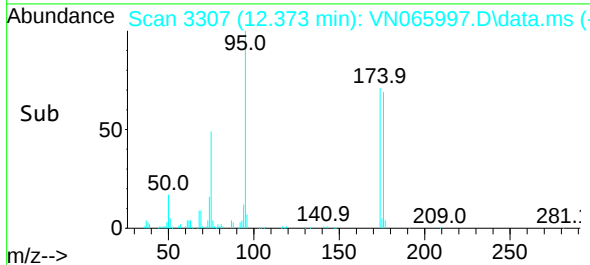
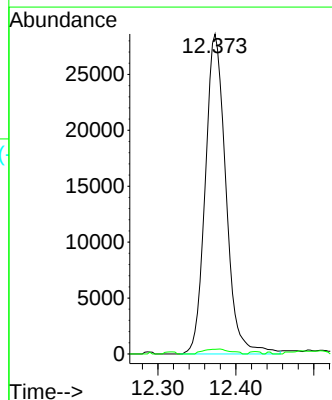
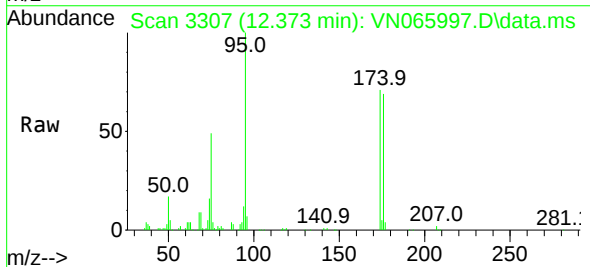
Instrument :
 MSVOA_N
 ClientSampled :
 EB-022321

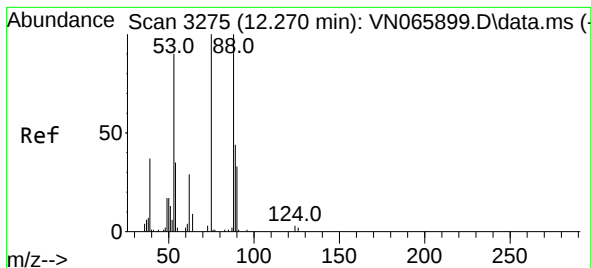
Tgt Ion:152 Resp: 85869
 Ion Ratio Lower Upper
 152 100
 115 64.3 28.5 85.6
 150 163.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 25.46 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065997.D
 Acq: 24 Feb 2021 12:32

Tgt Ion: 75 Resp: 52521
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

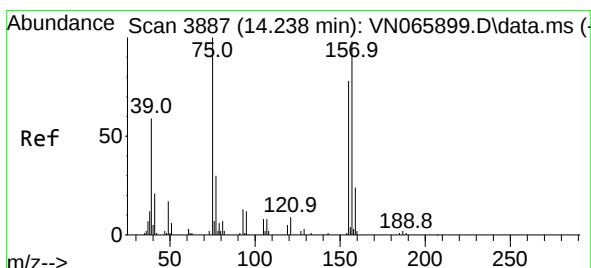
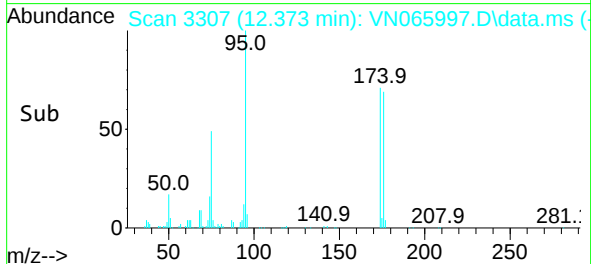
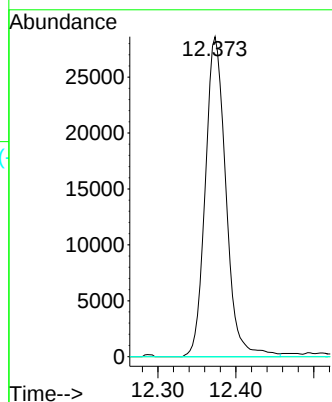
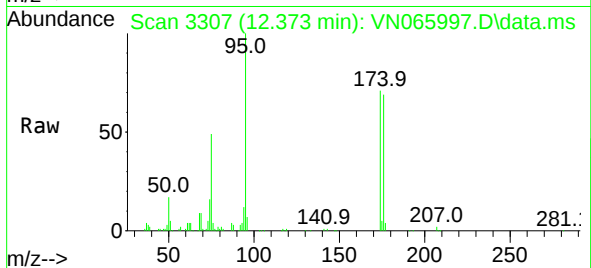




#81
trans-1,4-Dichloro-2-butene
Concen: 81.14 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

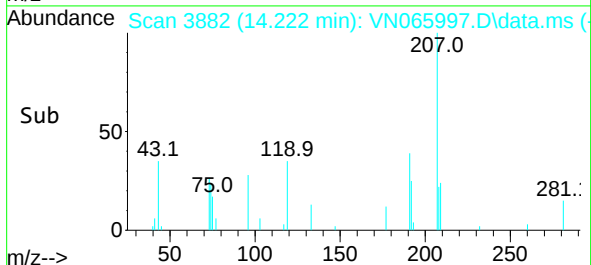
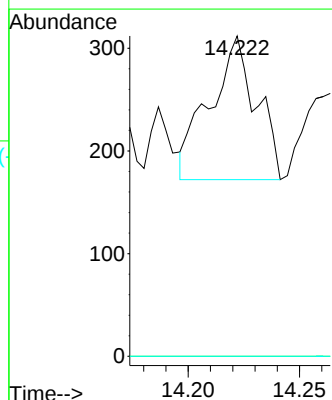
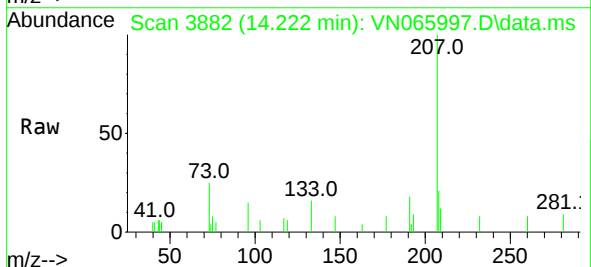
Instrument :
MSVOA_N
ClientSampleId :
EB-022321

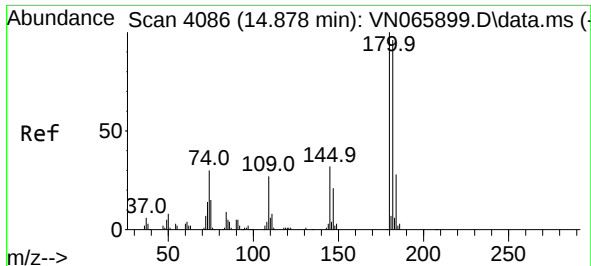
Tgt Ion: 75 Resp: 52521
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.34 ug/l
RT: 14.222 min Scan# 3882
Delta R.T. -0.016 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Tgt Ion: 75 Resp: 203
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

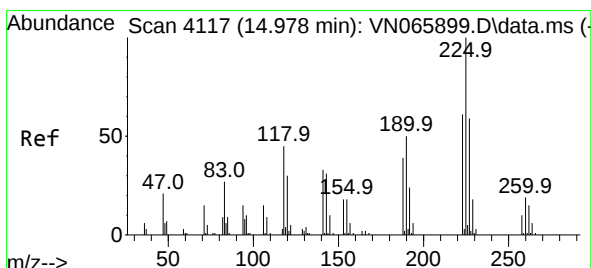
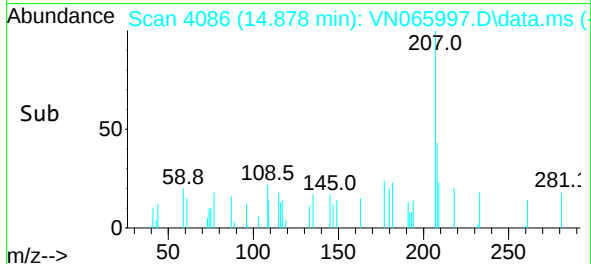
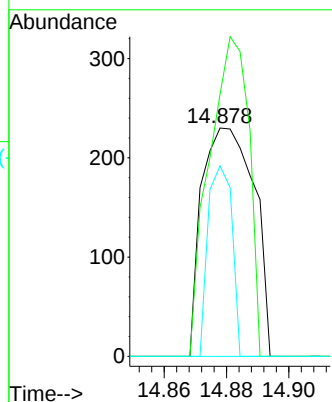
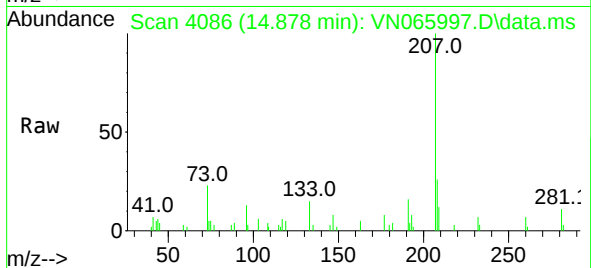




#93
1,2,4-Trichlorobenzene
Concen: 2.63 ug/l
RT: 14.878 min Scan# 4086
Delta R.T. -0.000 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

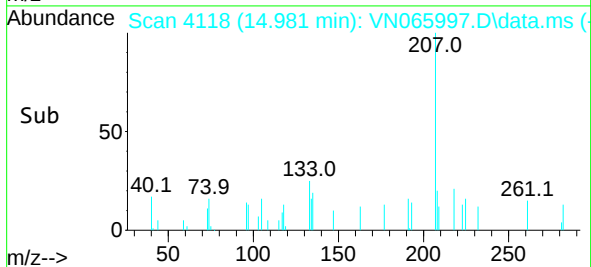
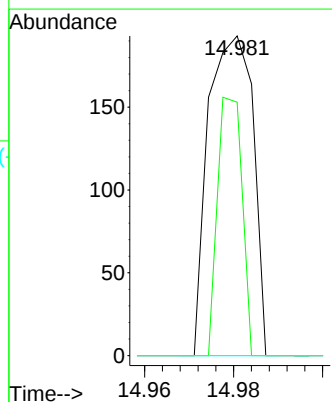
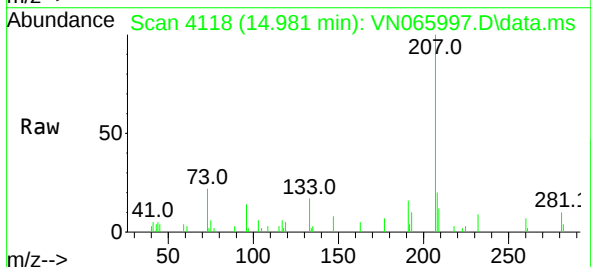
Instrument :
MSVOA_N
ClientSampled :
EB-022321

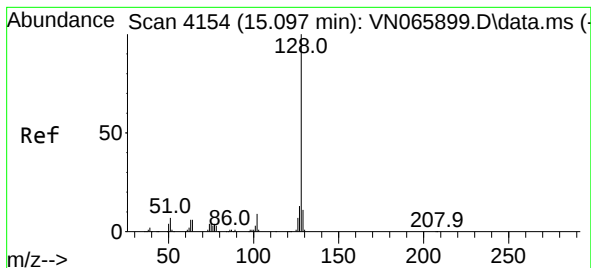
Tgt Ion:	180	Resp:	267
Ion	Ratio	Lower	Upper
180	100		
182	106.4	47.3	142.0
145	38.2	15.6	46.8



#94
Hexachlorobutadiene
Concen: 0.20 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. 0.003 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Tgt Ion:	225	Resp:	134
Ion	Ratio	Lower	Upper
225	100		
223	44.8	31.9	95.9
227	0.0	31.6	95.0#

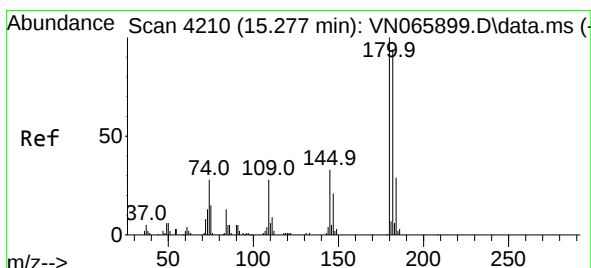
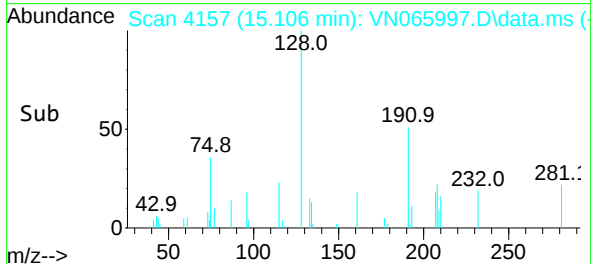
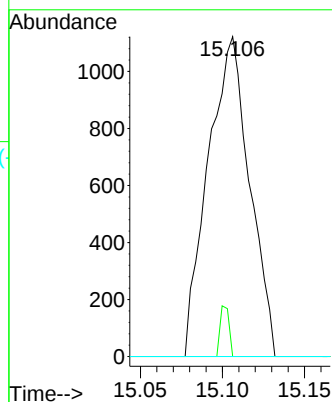
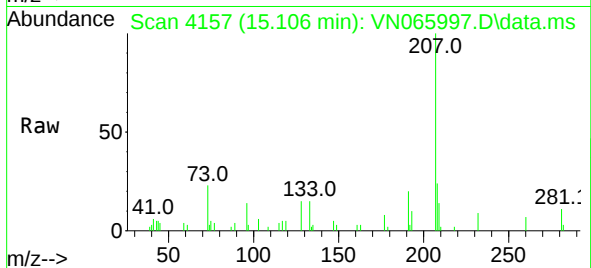




#95
Naphthalene
Concen: 3.43 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Instrument :
MSVOA_N
ClientSampleId :
EB-022321

Tgt Ion:128 Resp: 1969
Ion Ratio Lower Upper
128 100
127 3.4 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.48 ug/l
RT: 15.280 min Scan# 4211
Delta R.T. 0.003 min
Lab File: VN065997.D
Acq: 24 Feb 2021 12:32

Tgt Ion:180 Resp: 492
Ion Ratio Lower Upper
180 100
182 81.7 47.4 142.3
145 23.6 16.5 49.5

