

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066038.D
 Acq On : 25 Feb 2021 19:40
 Operator : JC/MD
 Sample : M1476-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 26 01:25:14 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)

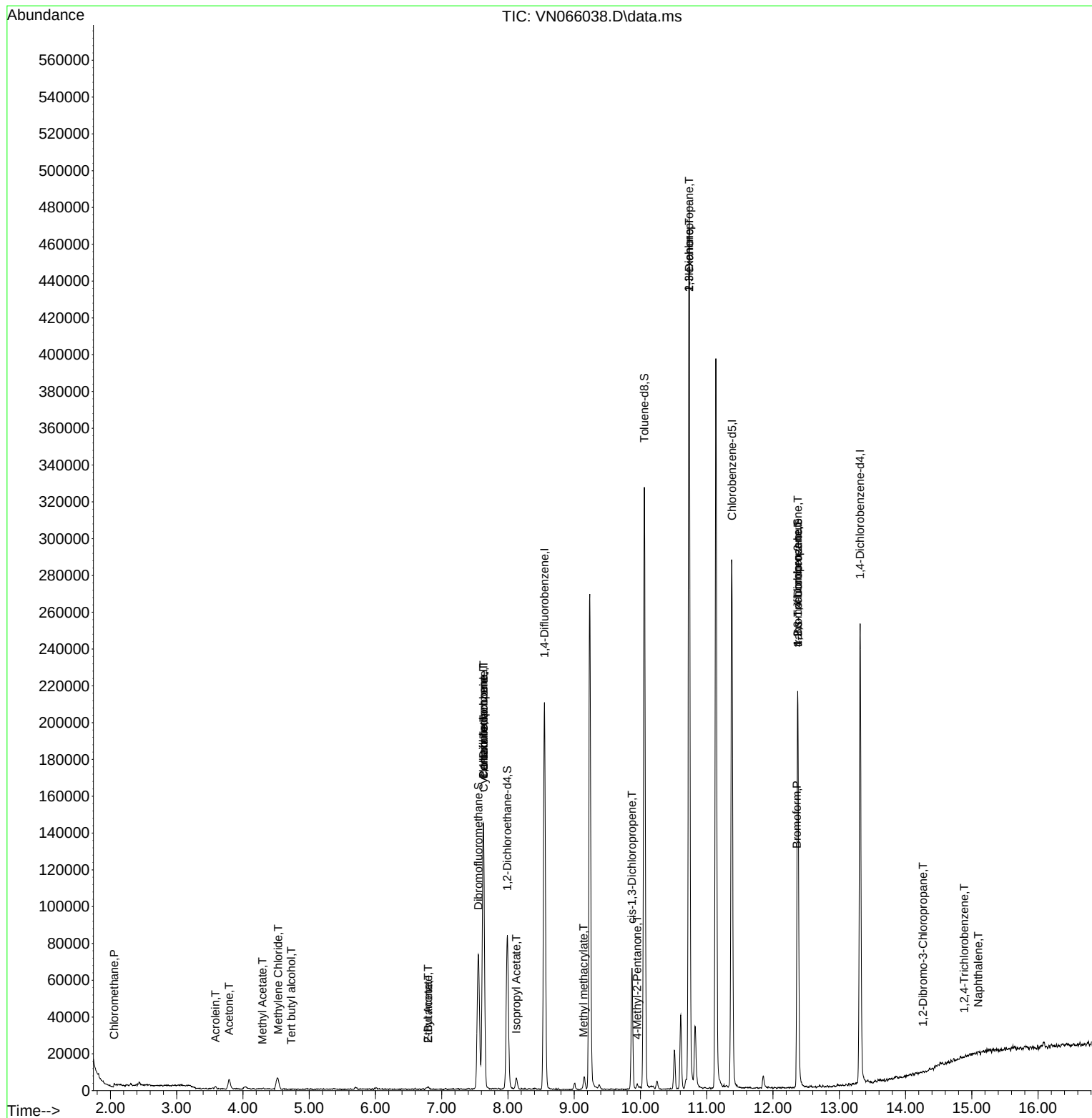
Internal Standards						
1) Pentafluorobenzene	7.627	168	116703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	192596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	176459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	71936	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	78187	47.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.82%		
35) Dibromofluoromethane	7.553	113	58180	48.81	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.62%		
50) Toluene-d8	10.058	98	232109	47.44	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.88%		
62) 4-Bromofluorobenzene	12.373	95	84821	46.18	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.36%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	719	0.38	ug/l	91
11) Tert butyl alcohol	4.730	59	64	0.28	ug/l #	73
13) Acrolein	3.586	56	1135	5.47	ug/l #	66
16) Acetone	3.791	43	9289	16.62	ug/l	96
18) Methyl Acetate	4.293	43	556	0.41	ug/l #	51
20) Methylene Chloride	4.531	84	4971	3.28	ug/l	92
25) 2-Butanone	6.794	43	1417	1.75	ug/l #	46
31) Cyclohexane	7.634	56	2494	1.02	ug/l #	12
36) 1,1-Dichloropropene	7.627	75	8859	4.66	ug/l #	47
37) Ethyl Acetate	6.794	43	1417	0.83	ug/l #	68
38) Carbon Tetrachloride	7.630	117	11997	6.80	ug/l #	16
43) Isopropyl Acetate	8.126	43	6884	2.52	ug/l #	89
48) Methyl methacrylate	9.138	41	1662	1.20	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	2141	1.29	ug/l	88
54) cis-1,3-Dichloropropene	9.871	75	13161	5.74	ug/l #	57
57) 1,3-Dichloropropane	10.733	76	5116	2.17	ug/l #	43
59) 2-Hexanone	10.733	43	71970	60.76	ug/l #	50
71) Bromoform	12.360	173	96	2.59	ug/l #	29
76) 1,2,3-Trichloropropane	12.373	75	42801	24.77	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	42801	78.93	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.264	75	416	2.05	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.884	180	102	2.54	ug/l #	13
95) Naphthalene	15.096	128	805	3.24	ug/l #	69

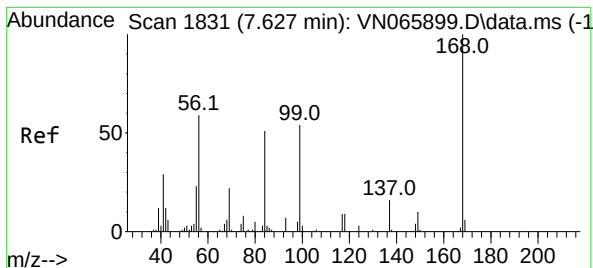
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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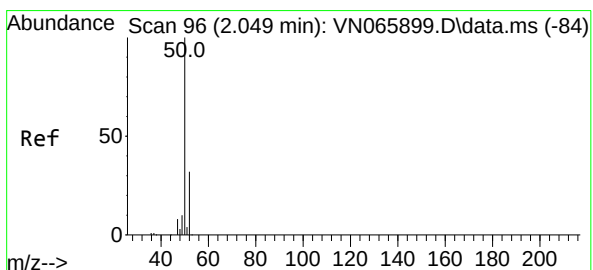
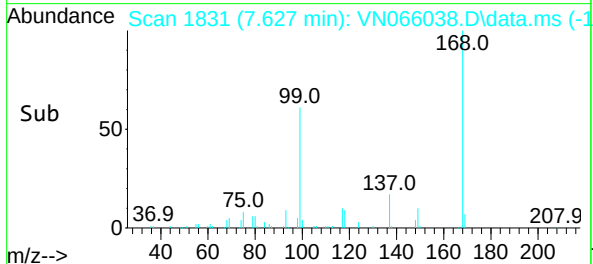
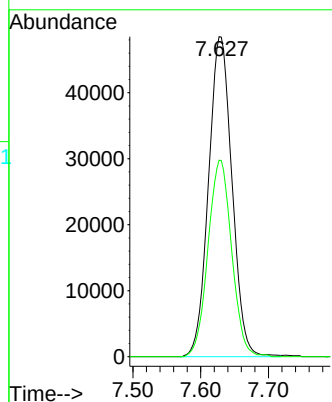
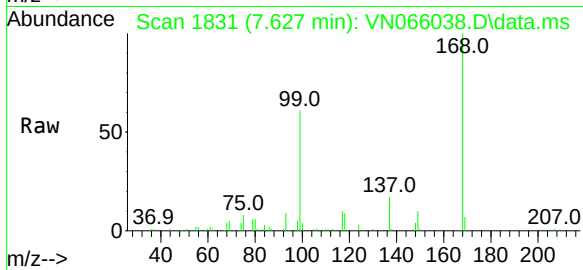


#1

Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Instrument :
MSVOA_N
ClientSampled :

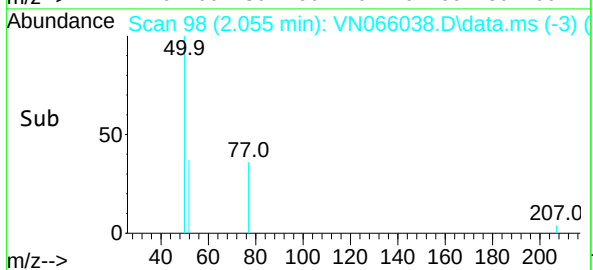
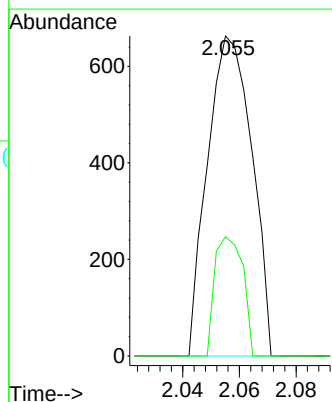
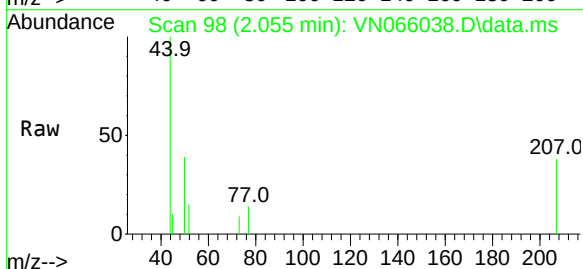
Tgt Ion:168 Resp: 116703
Ion Ratio Lower Upper
168 100
99 61.4 42.6 63.8

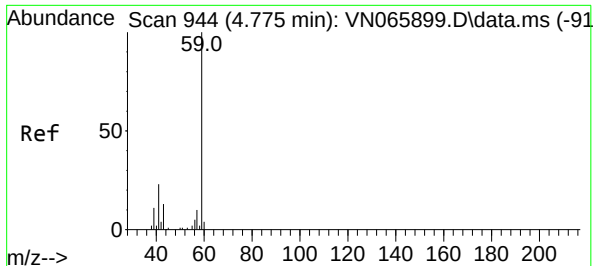


#3

Chloromethane
Concen: 0.38 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 37.3 25.8 38.8

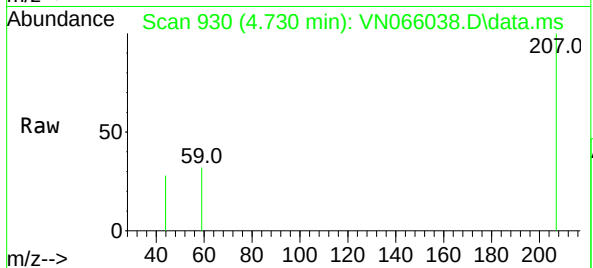




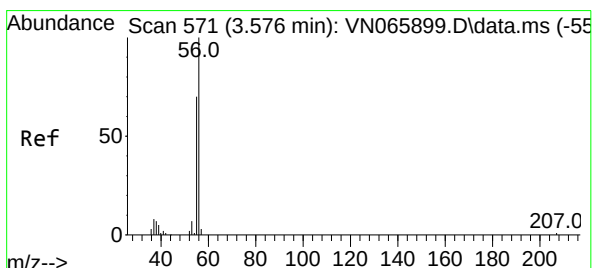
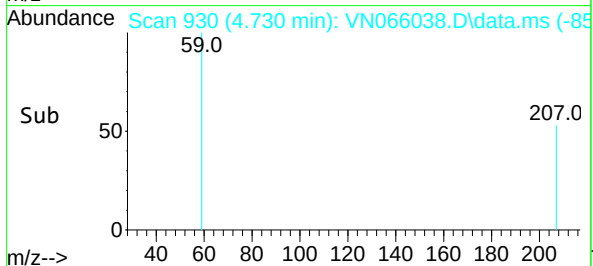
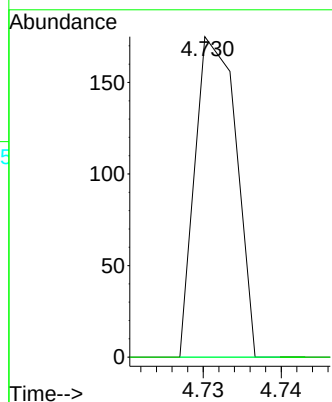
#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 4.730 min Scan# 930
Delta R.T. -0.045 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Instrument :
MSVOA_N
ClientSampled :



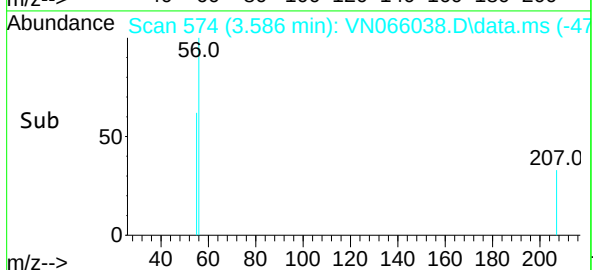
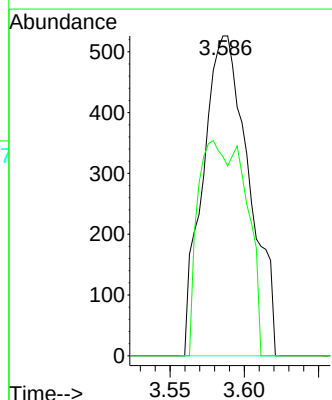
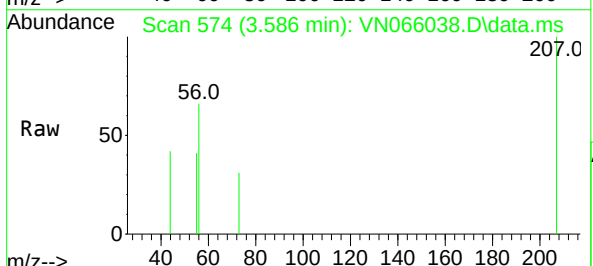
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

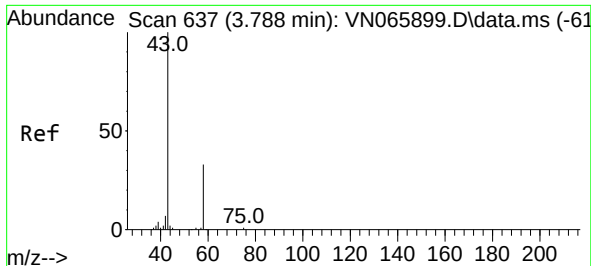


#13

Acrolein
Concen: 5.47 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion: 56 Resp: 1135
Ion Ratio Lower Upper
56 100
55 42.4 56.0 84.0#

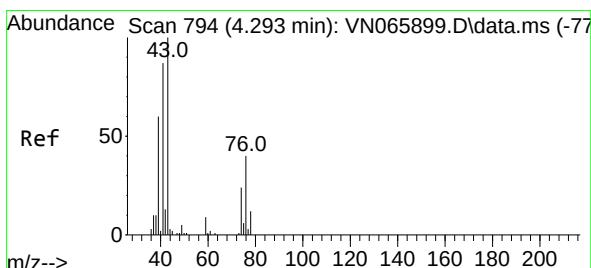
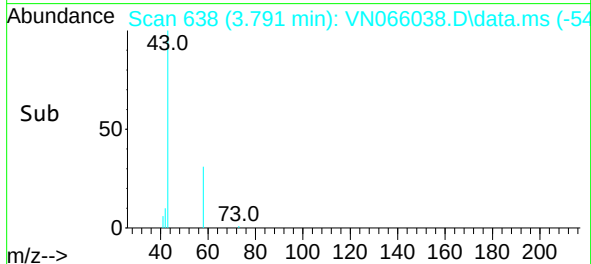
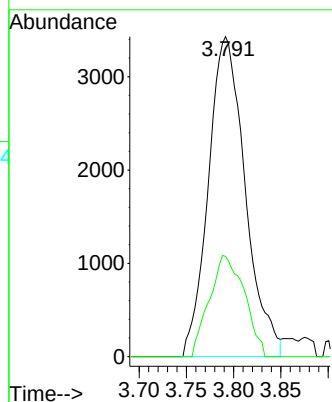
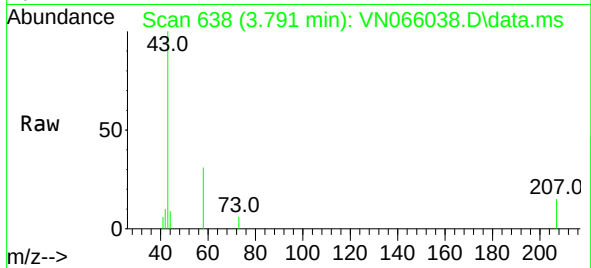




#16
Acetone
Concen: 16.62 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

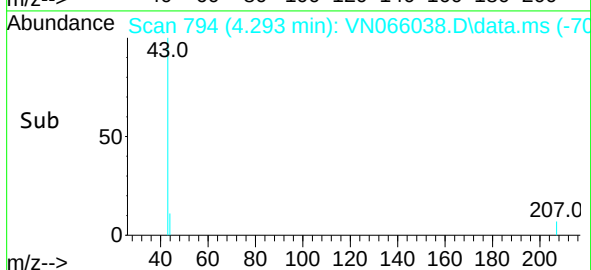
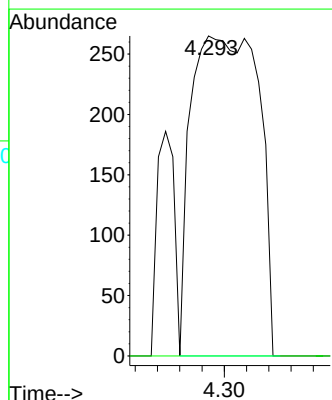
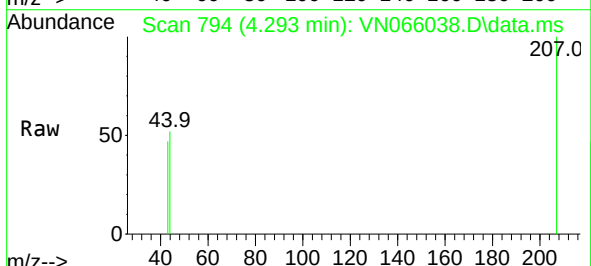
Instrument :
MSVOA_N
ClientSampled :

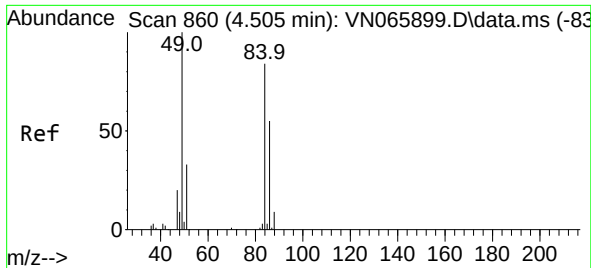
Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.6



#18
Methyl Acetate
Concen: 0.41 ug/l
RT: 4.293 min Scan# 794
Delta R.T. -0.000 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

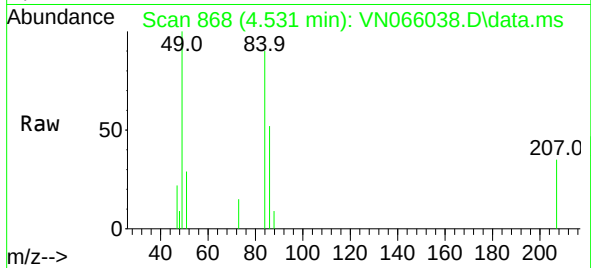
Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



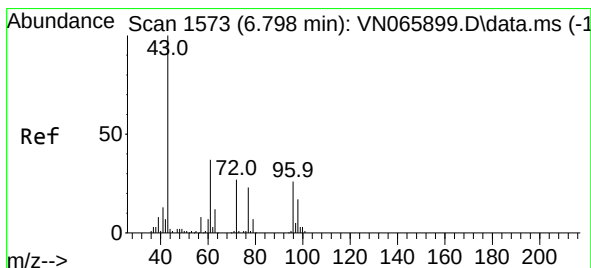
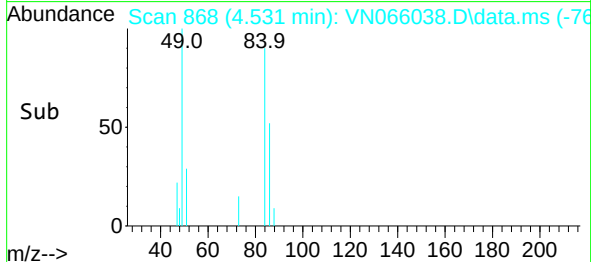
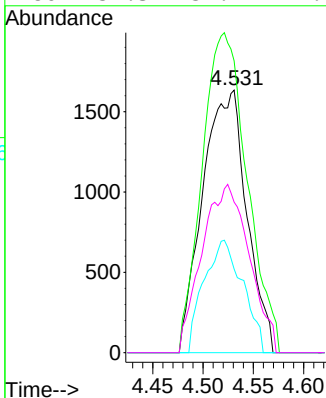


#20
Methylene Chloride
Concen: 3.28 ug/l
RT: 4.531 min Scan# 868
Delta R.T. 0.026 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Instrument :
MSVOA_N
ClientSampled :

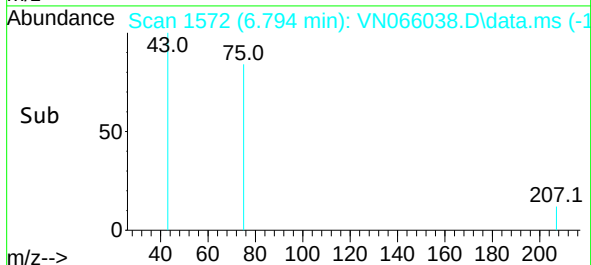
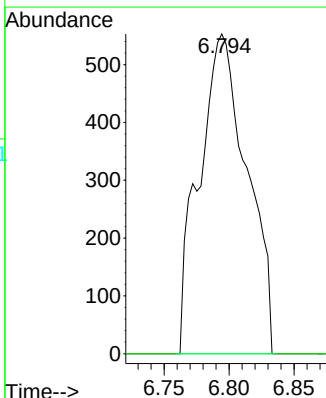
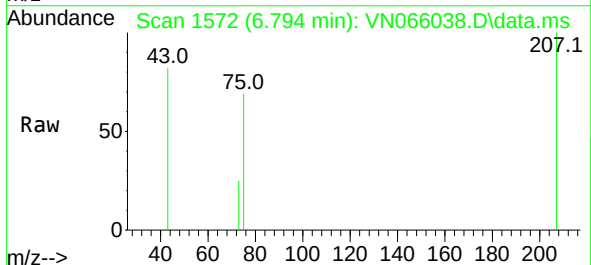


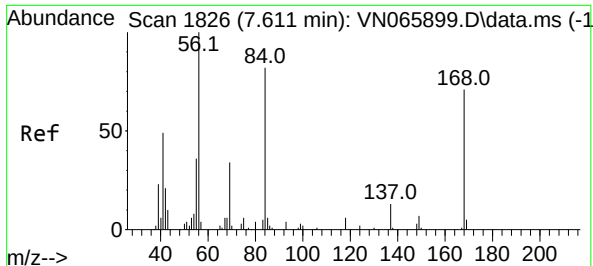
Tgt Ion:	84	Resp:	4971
Ion	Ratio	Lower	Upper
84	100		
49	111.2	94.6	141.8
51	31.9	29.9	44.9
86	57.3	51.4	77.2



#25
2-Butanone
Concen: 1.75 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.004 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion:	43	Resp:	1417
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.1	34.7#





#31

Cyclohexane

Concen: 1.02 ug/l

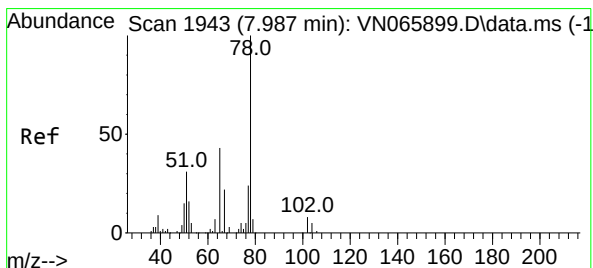
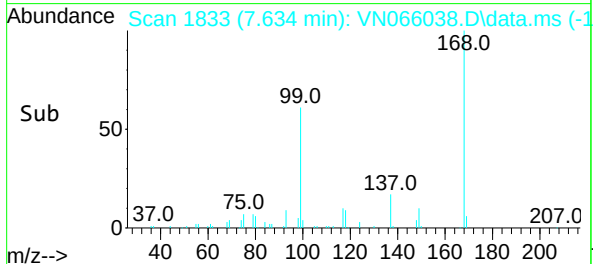
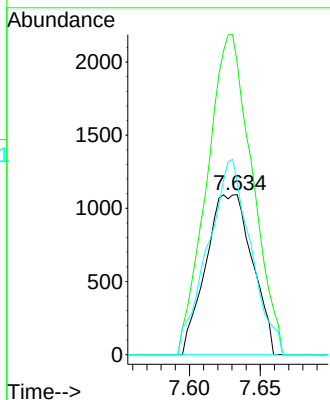
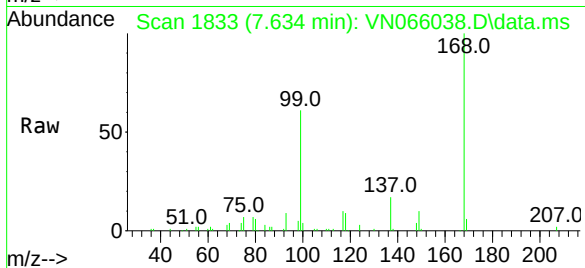
RT: 7.634 min Scan# 1833

Delta R.T. 0.023 min

Lab File: VN066038.D

Acq: 25 Feb 2021 19:40

Tgt Ion:	56	Resp:	2494
Ion	Ratio	Lower	Upper
56	100		
69	182.6	26.6	39.8#
84	108.2	70.4	105.6#



#33

1,2-Dichloroethane-d4

Concen: 47.91 ug/l

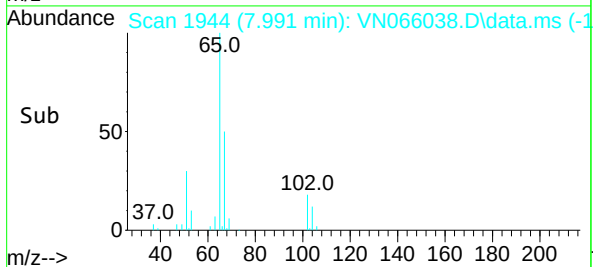
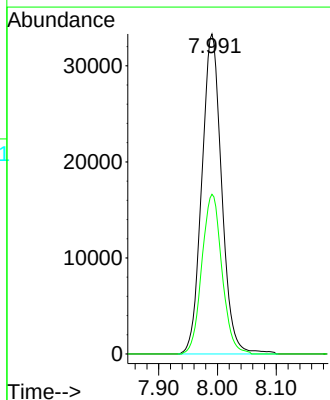
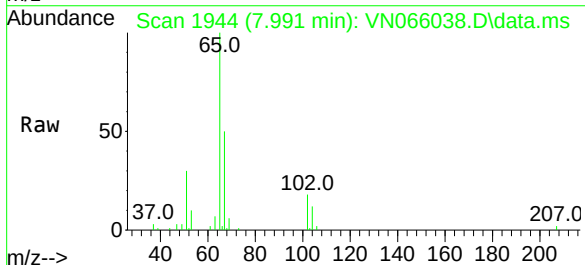
RT: 7.991 min Scan# 1944

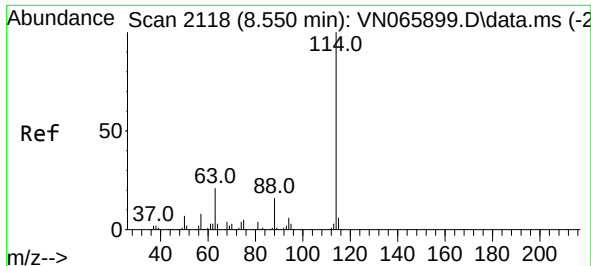
Delta R.T. 0.004 min

Lab File: VN066038.D

Acq: 25 Feb 2021 19:40

Tgt Ion:	65	Resp:	78187
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	107.2

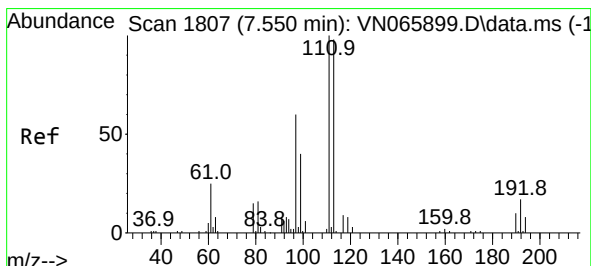
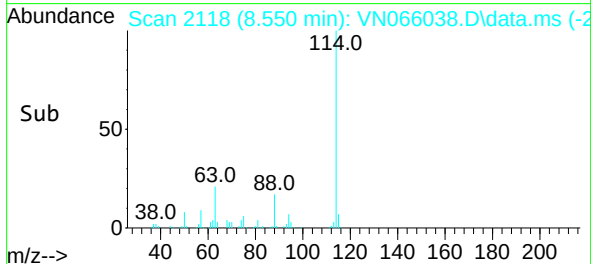
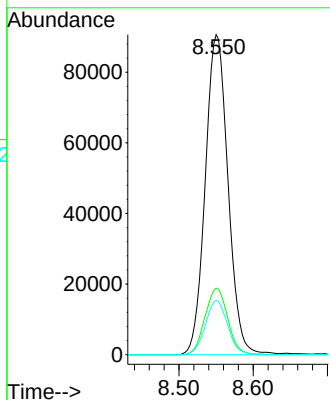
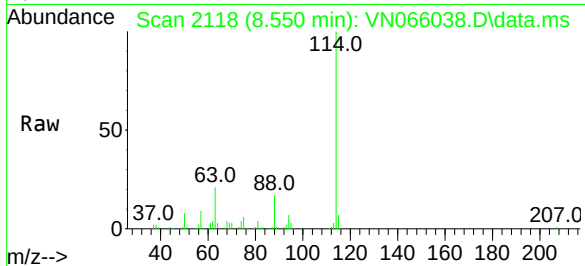




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

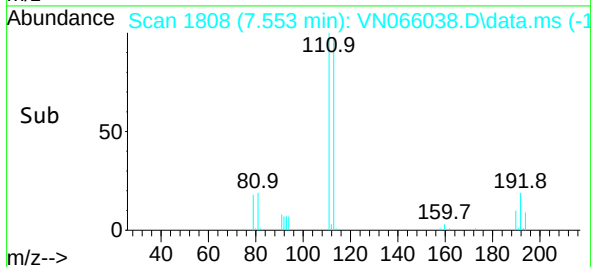
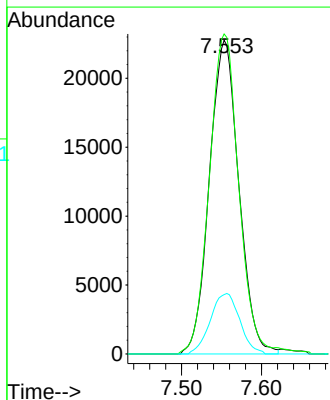
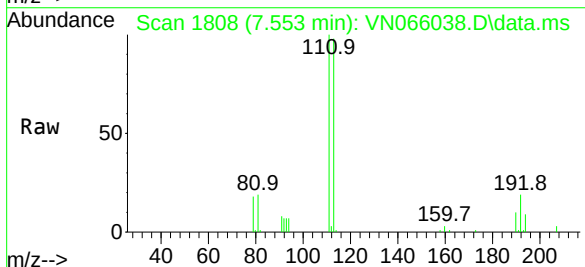
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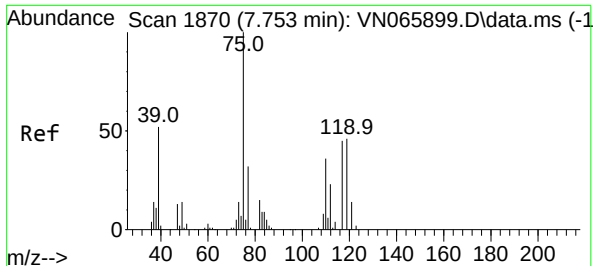
Tgt Ion:114 Resp: 192596
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 17.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.81 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion:113 Resp: 58180
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.2 15.4 23.0

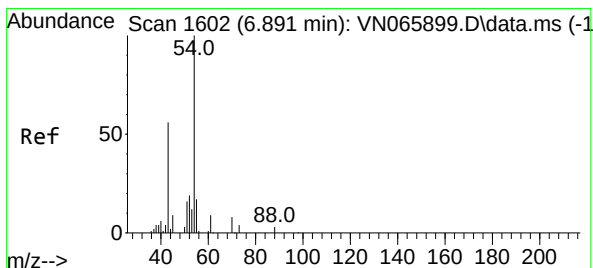
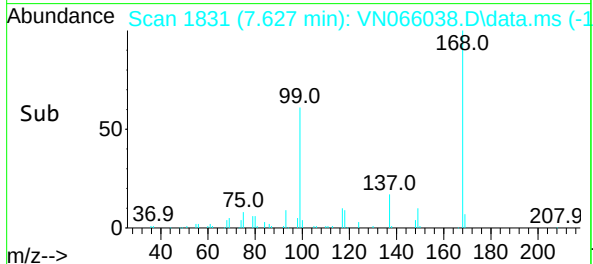
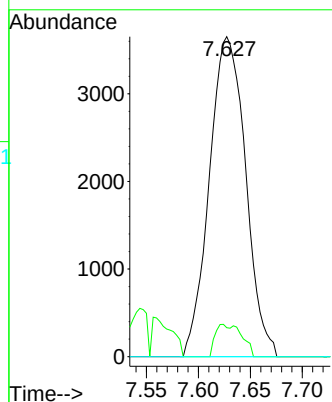
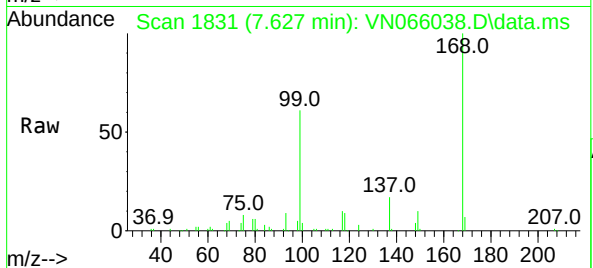




#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

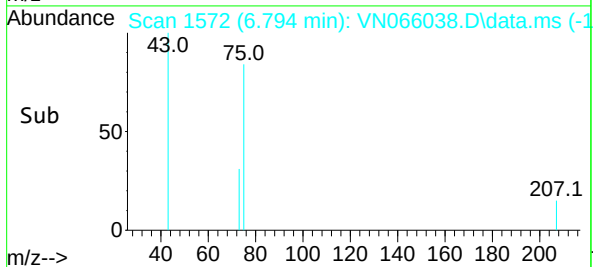
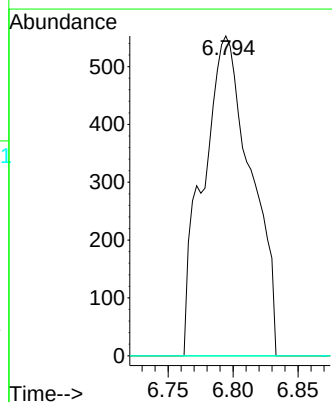
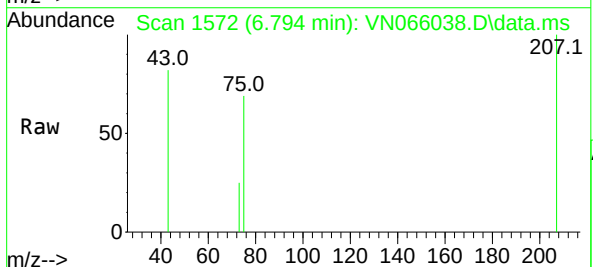
Instrument :
MSVOA_N
ClientSampled :

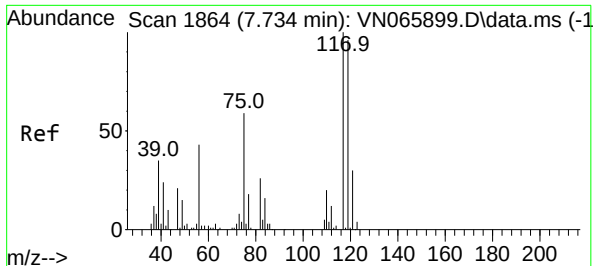
Tgt Ion: 75 Resp: 8859
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.83 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.097 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

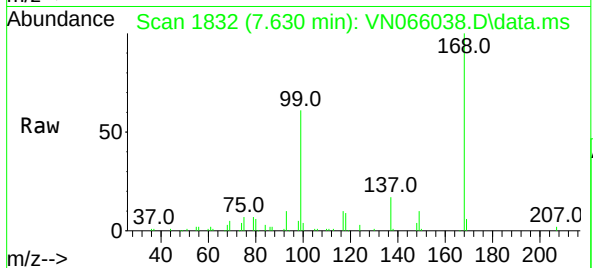
Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



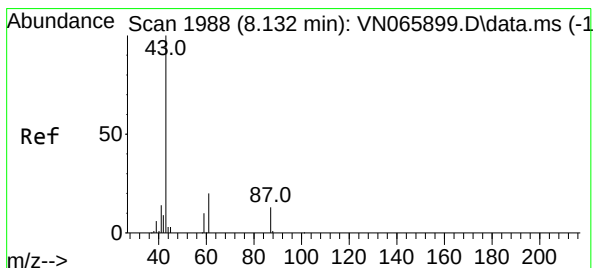
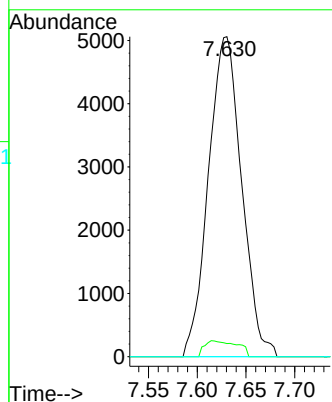
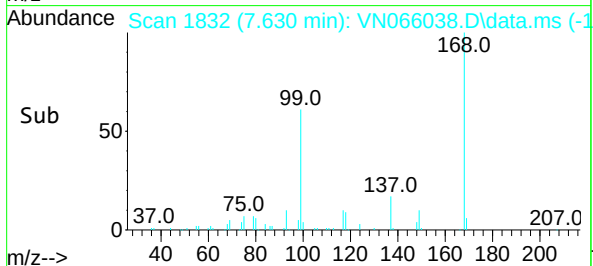


#38
Carbon Tetrachloride
Concen: 6.80 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.104 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

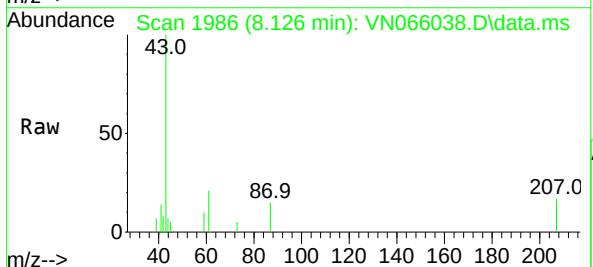
Instrument :
MSVOA_N
ClientSampleId :



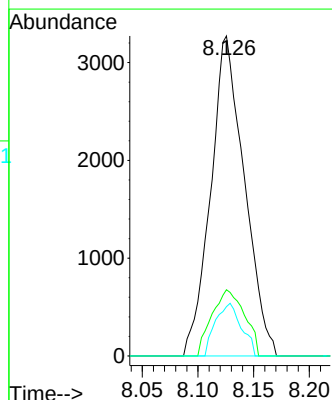
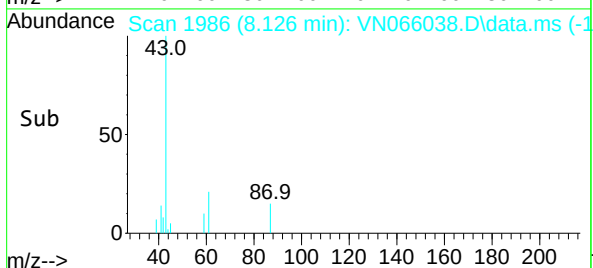
Tgt Ion:117 Resp: 11997
Ion Ratio Lower Upper
117 100
119 4.1 76.0 114.0#
121 0.0 24.5 36.7#

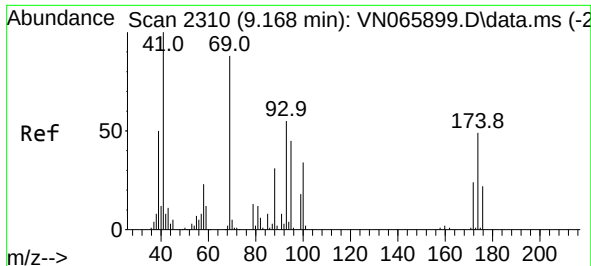


#43
Isopropyl Acetate
Concen: 2.52 ug/l
RT: 8.126 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40



Tgt Ion: 43 Resp: 6884
Ion Ratio Lower Upper
43 100
61 20.1 22.5 33.7#
87 12.7 11.1 16.7





#48

Methyl methacrylate

Concen: 1.20 ug/l

RT: 9.138 min Scan# 2301

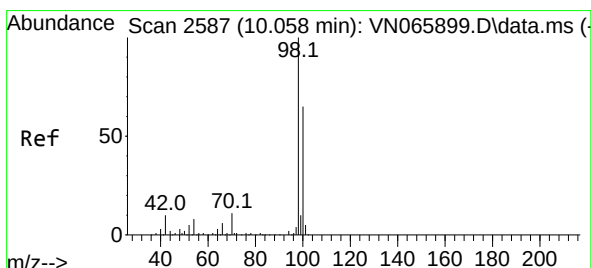
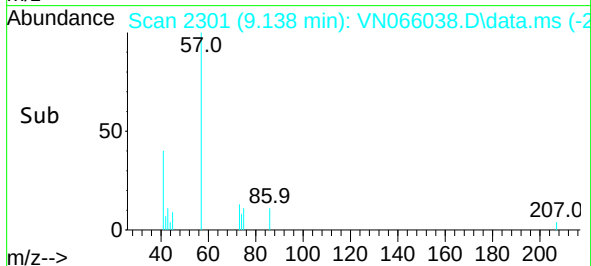
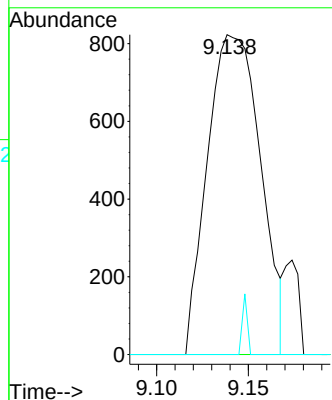
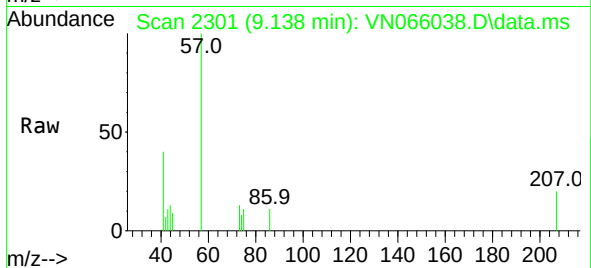
Delta R.T. -0.030 min

Lab File: VN066038.D

Acq: 25 Feb 2021 19:40

Tgt Ion:	41	Resp:	1662
Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.9	113.9#
39	0.0	46.6	69.8#

Instrument :
MSVOA_N
ClientSampled :



#50

Toluene-d8

Concen: 47.44 ug/l

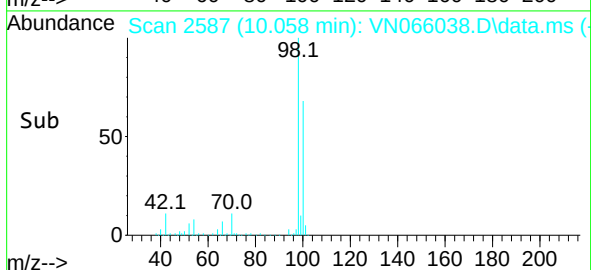
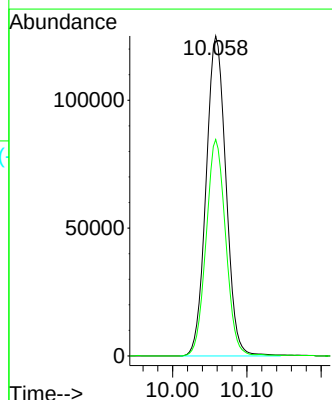
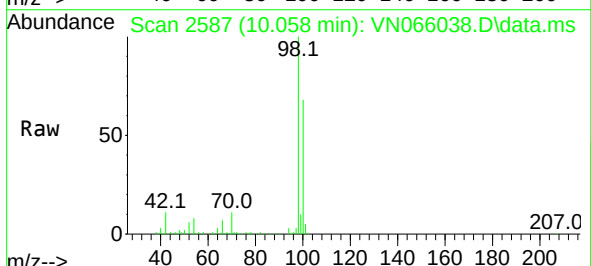
RT: 10.058 min Scan# 2587

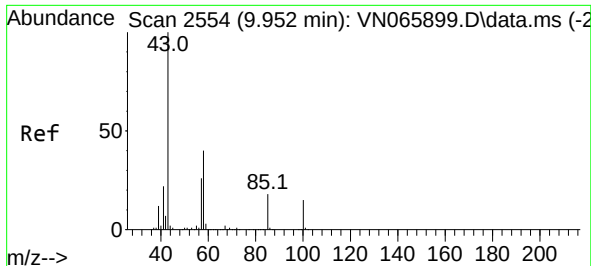
Delta R.T. -0.000 min

Lab File: VN066038.D

Acq: 25 Feb 2021 19:40

Tgt Ion:	98	Resp:	232109
Ion	Ratio	Lower	Upper
98	100		
100	66.5	50.5	75.7

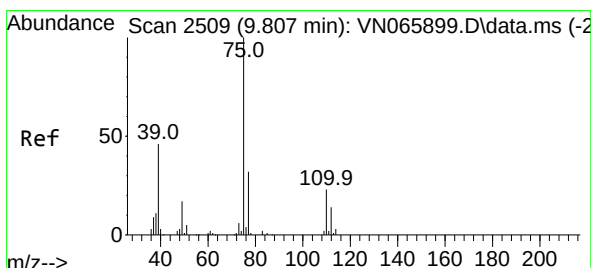
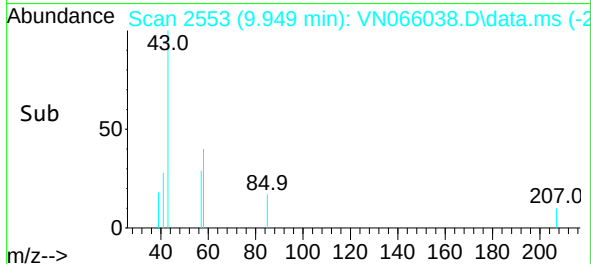
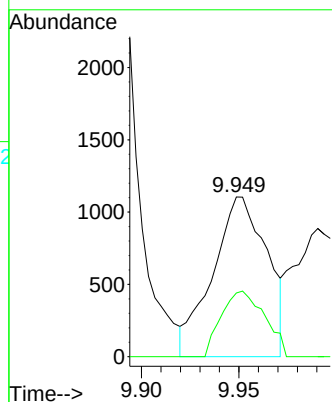
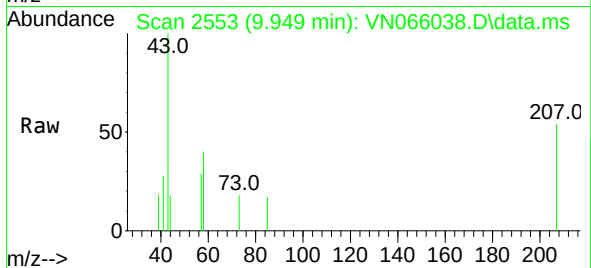




#51
4-Methyl-2-Pentanone
Concen: 1.29 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

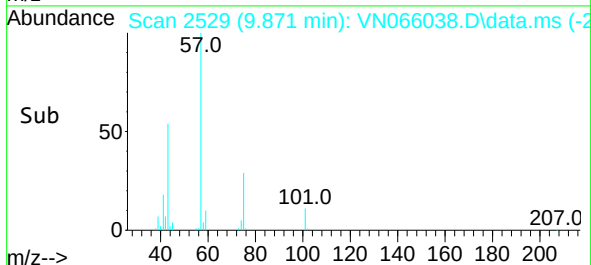
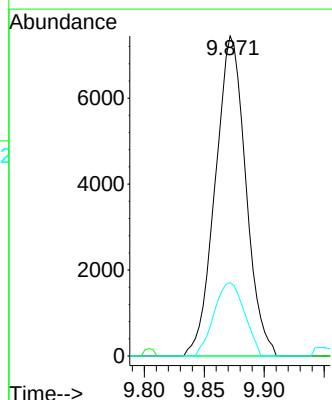
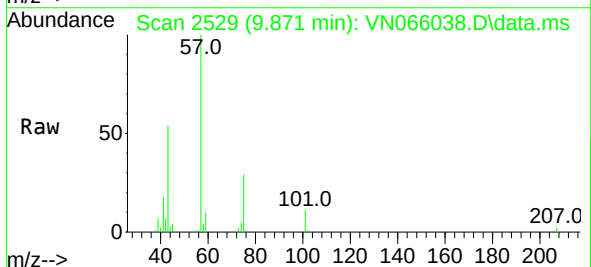
Instrument :
MSVOA_N
ClientSampled :

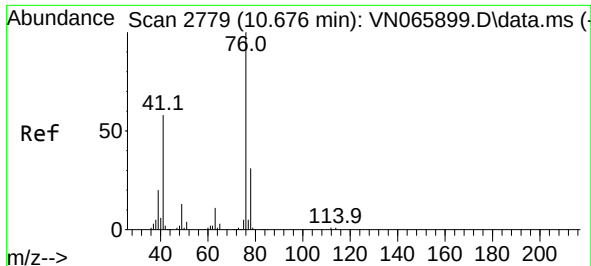
Tgt Ion: 43 Resp: 2141
Ion Ratio Lower Upper
43 100
58 32.9 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 5.74 ug/l
RT: 9.871 min Scan# 2529
Delta R.T. 0.064 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion: 75 Resp: 13161
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 22.9 36.2 54.4#

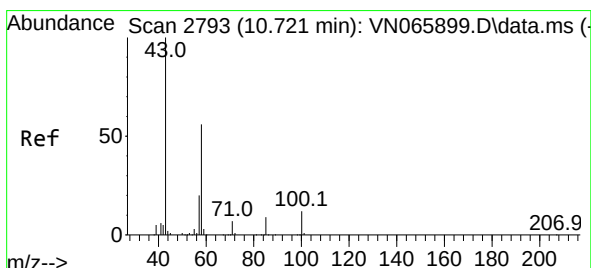
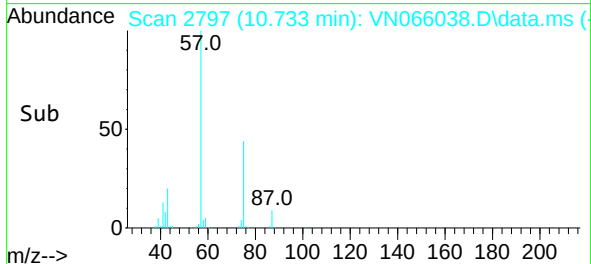
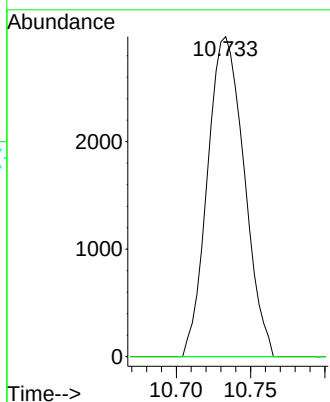
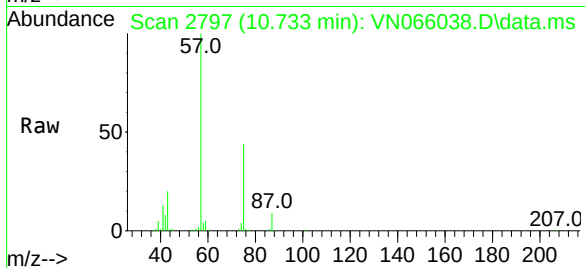




#57
1,3-Dichloropropane
Concen: 2.17 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

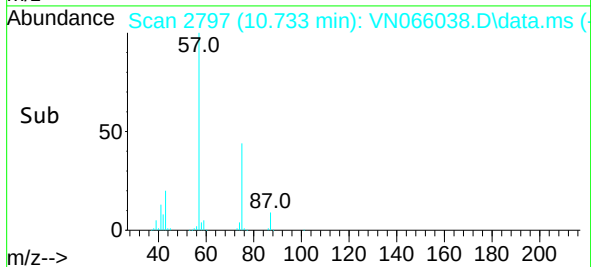
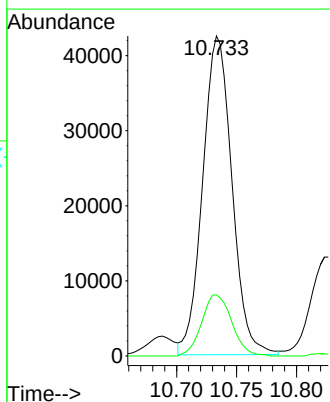
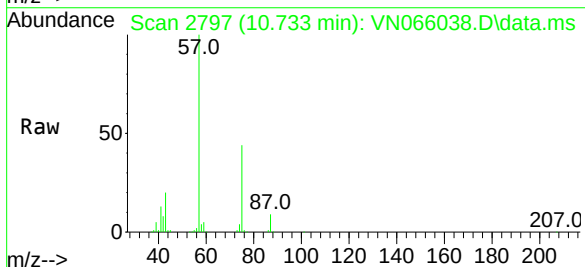
Instrument :
MSVOA_N
ClientSampled :

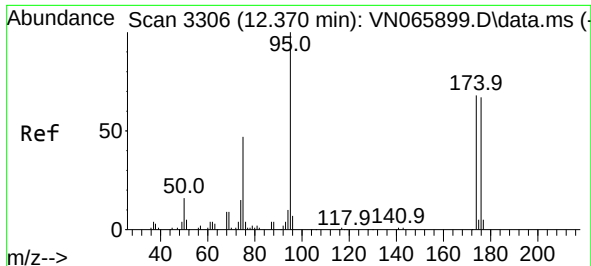
Tgt Ion: 76 Resp: 5116
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 60.76 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion: 43 Resp: 71970
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#

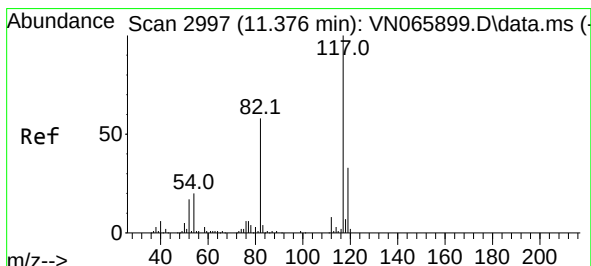
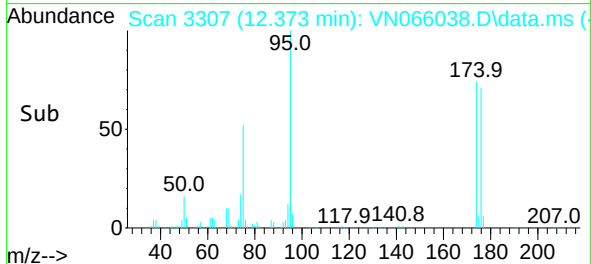
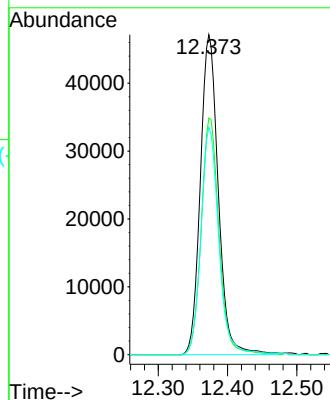
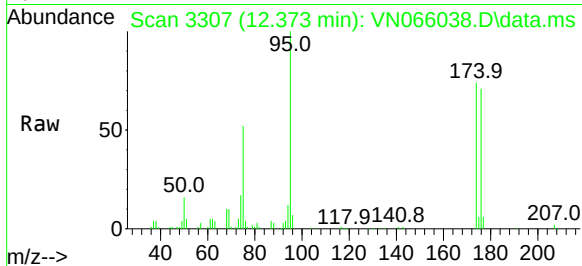




#62
4-Bromofluorobenzene
Concen: 46.18 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

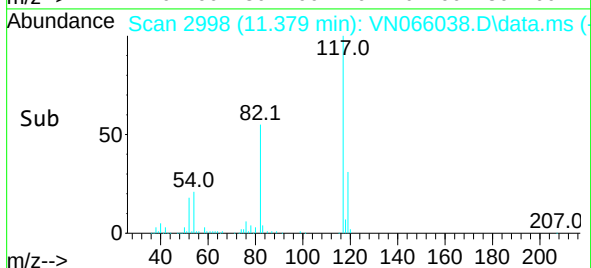
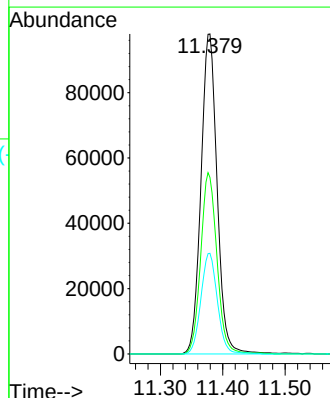
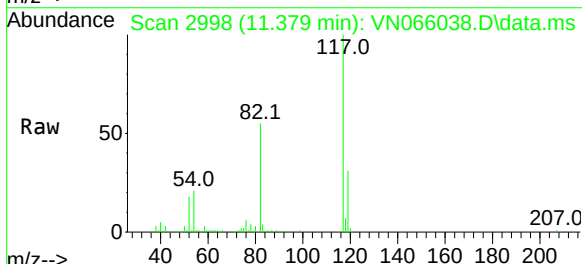
Instrument :
MSVOA_N
ClientSampleId :

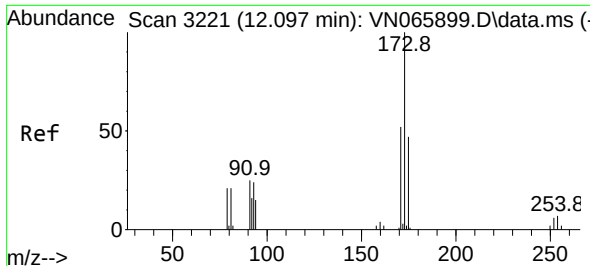
Tgt Ion: 95 Resp: 84821
Ion Ratio Lower Upper
95 100
174 73.0 0.0 169.0
176 70.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion: 117 Resp: 176459
Ion Ratio Lower Upper
117 100
82 55.2 43.7 65.5
119 31.5 26.1 39.1

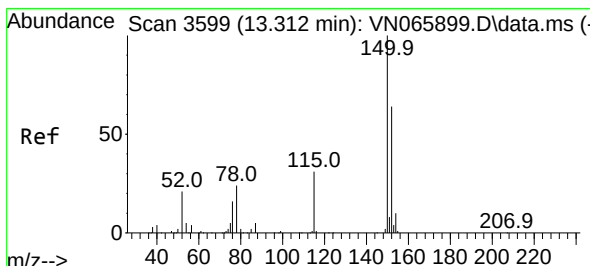
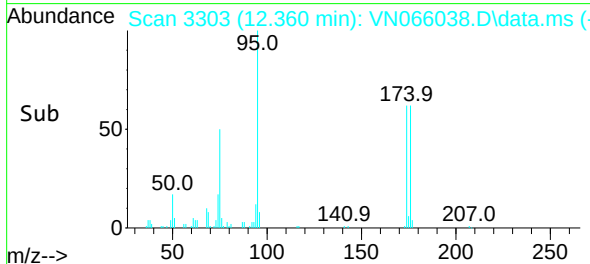
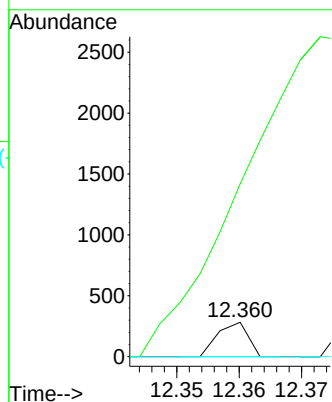
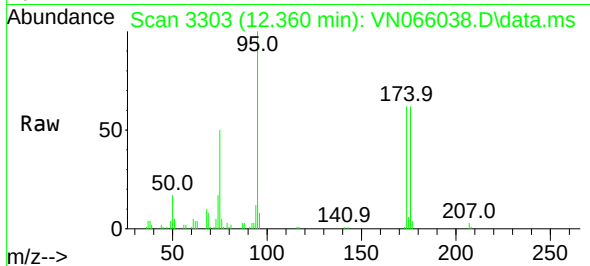




#71
Bromoform
Concen: 2.59 ug/l
RT: 12.360 min Scan# 3303
Delta R.T. 0.263 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

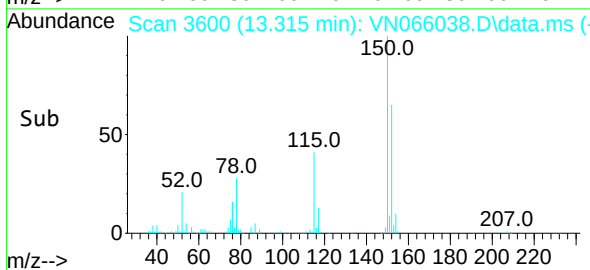
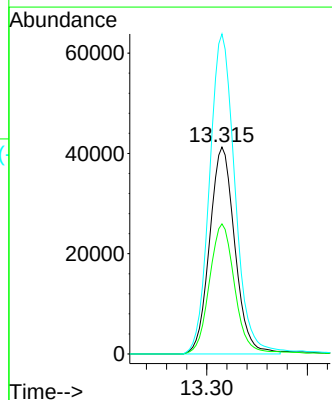
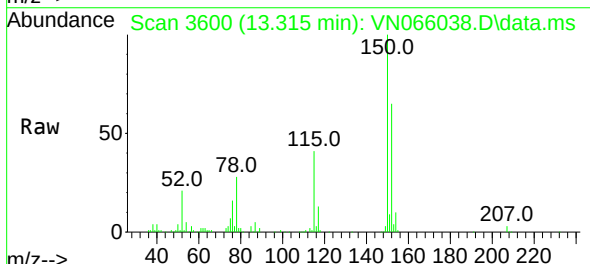
Instrument :
MSVOA_N
ClientSampleId :

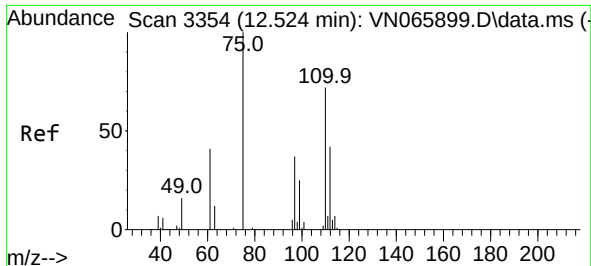
Tgt Ion:173 Resp: 96
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion:152 Resp: 71936
Ion Ratio Lower Upper
152 100
115 63.6 28.5 85.6
150 156.3 0.0 347.6

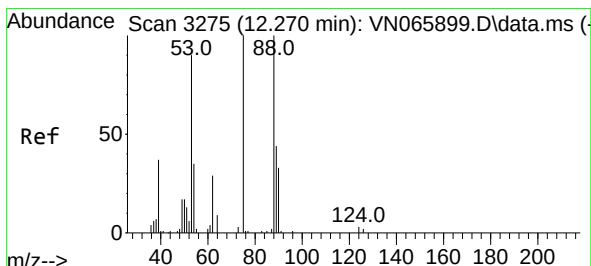
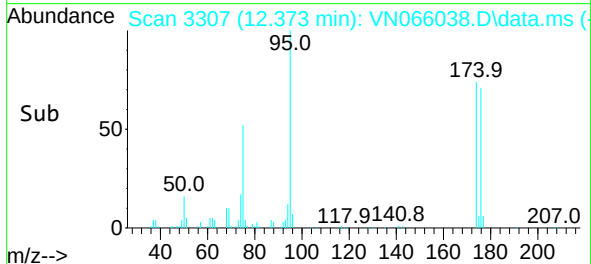
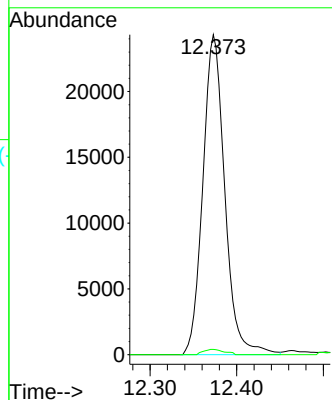
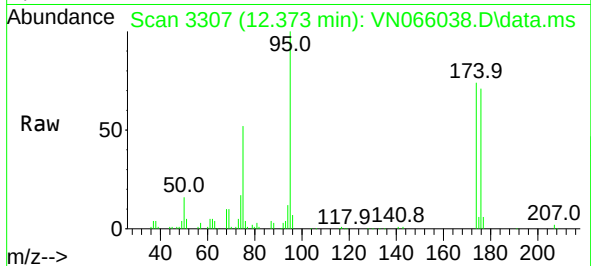




#76
1,2,3-Trichloropropane
Concen: 24.77 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

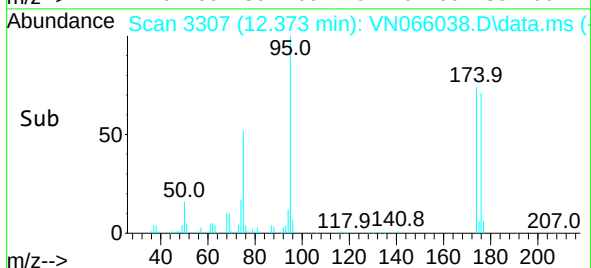
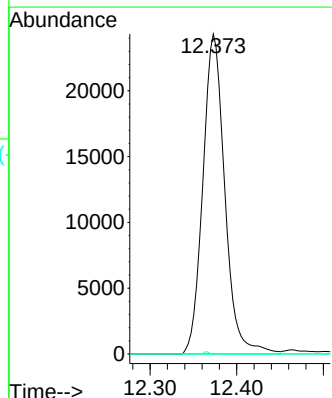
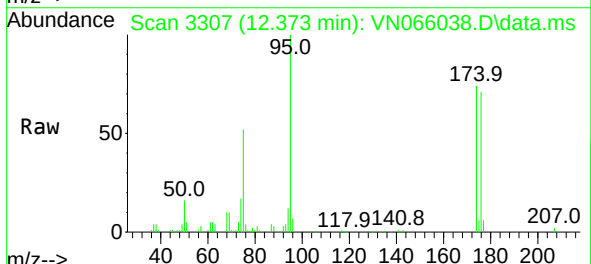
Instrument :
MSVOA_N
ClientSampled :

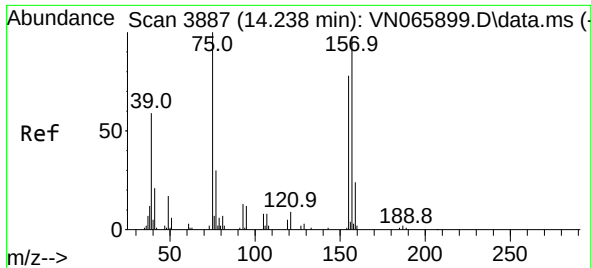
Tgt Ion: 75 Resp: 42801
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.93 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Tgt Ion: 75 Resp: 42801
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

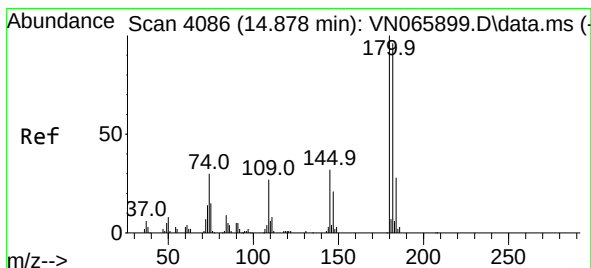
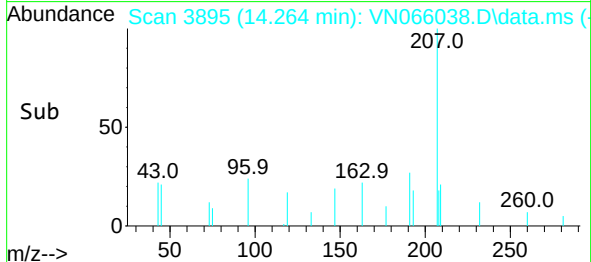
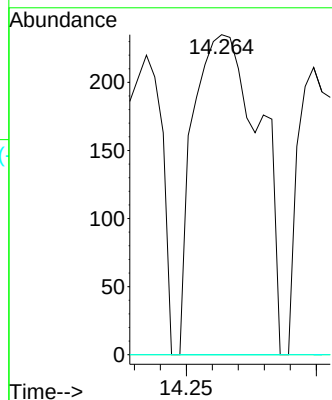
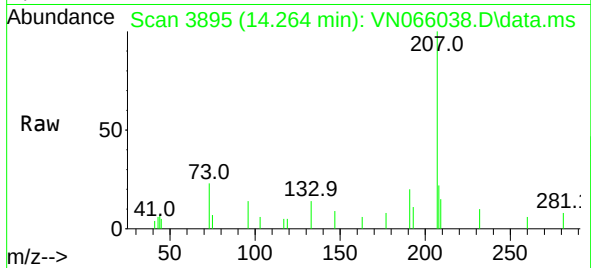




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.05 ug/l
 RT: 14.264 min Scan# 3895
 Delta R.T. 0.026 min
 Lab File: VN066038.D
 Acq: 25 Feb 2021 19:40

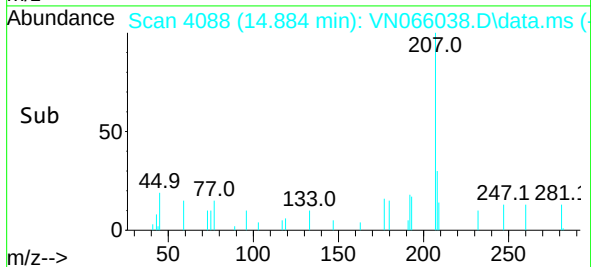
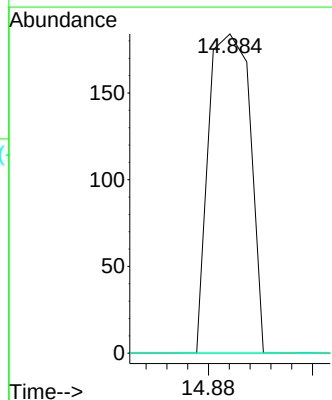
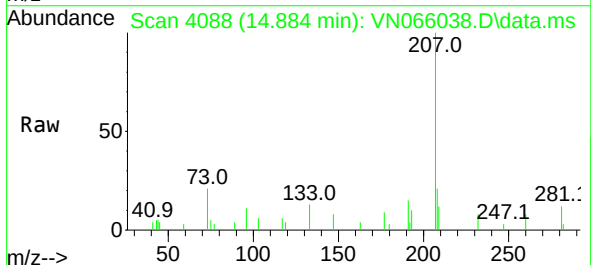
Instrument :
 MSVOA_N
 ClientSampleId :

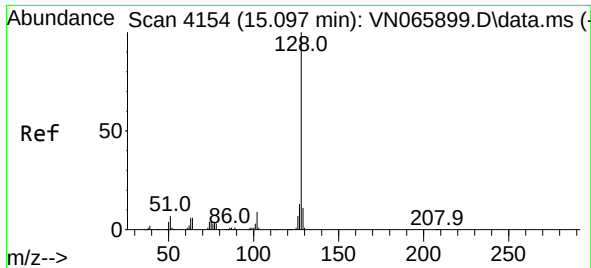
Tgt Ion: 75 Resp: 416
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.54 ug/l
 RT: 14.884 min Scan# 4088
 Delta R.T. 0.006 min
 Lab File: VN066038.D
 Acq: 25 Feb 2021 19:40

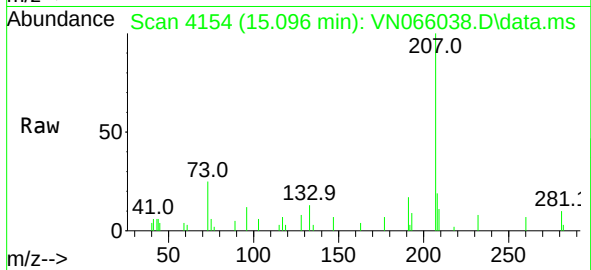
Tgt Ion: 180 Resp: 102
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 15.6 46.8#





#95
Naphthalene
Concen: 3.24 ug/l
RT: 15.096 min Scan# 4154
Delta R.T. -0.001 min
Lab File: VN066038.D
Acq: 25 Feb 2021 19:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

