

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065968.D
 Acq On : 22 Feb 2021 18:30
 Operator : JC/MD
 Sample : M1452-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 00:12:16 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)

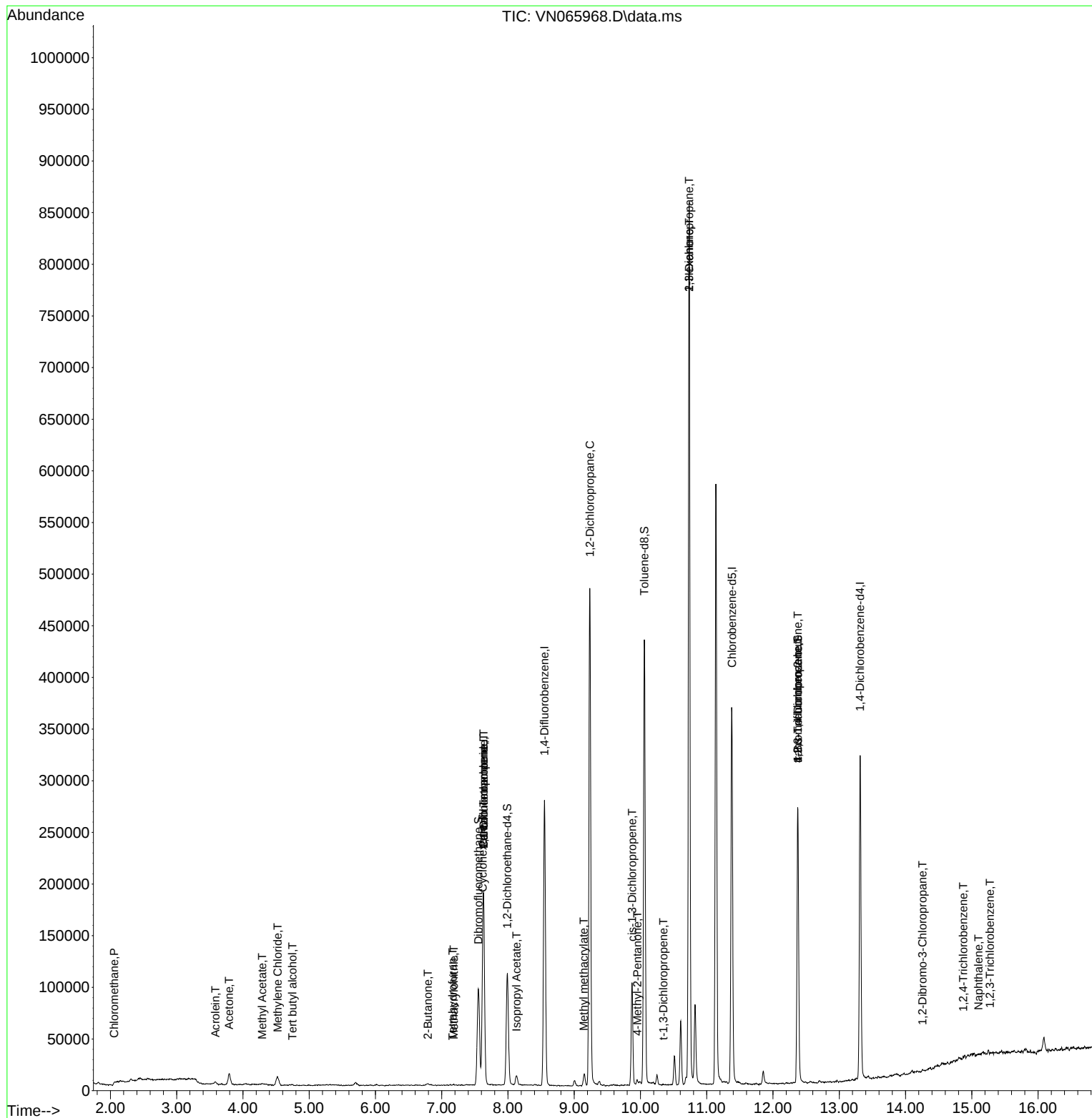
Internal Standards						
1) Pentafluorobenzene	7.631	168	152803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	252757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	223307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	90016	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	98325	46.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.02%		
35) Dibromofluoromethane	7.553	113	75408	48.21	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.42%		
50) Toluene-d8	10.058	98	307983	47.96	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.92%		
62) 4-Bromofluorobenzene	12.373	95	107670	44.67	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.34%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	1234	0.49	ug/l	93
11) Tert butyl alcohol	4.750	59	172	0.58	ug/l #	73
13) Acrolein	3.586	56	2542	9.35	ug/l	93
16) Acetone	3.792	43	18723	26.46	ug/l	93
18) Methyl Acetate	4.290	43	419	0.24	ug/l #	69
20) Methylene Chloride	4.525	84	6823	3.44	ug/l	86
25) 2-Butanone	6.791	43	1845	1.74	ug/l #	46
29) Tetrahydrofuran	7.168	42	491	0.67	ug/l #	41
31) Cyclohexane	7.618	56	2940	0.92	ug/l #	21
36) 1,1-Dichloropropene	7.631	75	12214	4.90	ug/l #	44
38) Carbon Tetrachloride	7.631	117	15562	6.72	ug/l #	16
41) Methacrylonitrile	7.184	41	273	0.25	ug/l #	100
43) Isopropyl Acetate	8.129	43	10921	3.04	ug/l #	92
45) 1,2-Dichloropropane	9.238	63	621	0.32	ug/l #	44
48) Methyl methacrylate	9.145	41	2817	1.55	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3230	1.48	ug/l	91
53) t-1,3-Dichloropropene	10.344	75	159	2.03	ug/l #	42
54) cis-1,3-Dichloropropene	9.875	75	19363	6.43	ug/l #	59
57) 1,3-Dichloropropane	10.733	76	9573	3.09	ug/l #	43
59) 2-Hexanone	10.733	43	120586	77.57	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	52894	24.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	52894	77.95	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.257	75	103	1.08	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.871	180	151	2.55	ug/l #	1
95) Naphthalene	15.100	128	1145	3.26	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.277	180	240	2.31	ug/l #	57

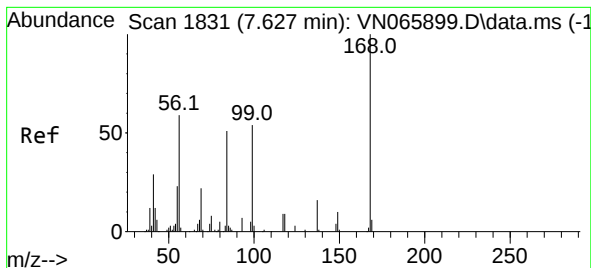
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 2021
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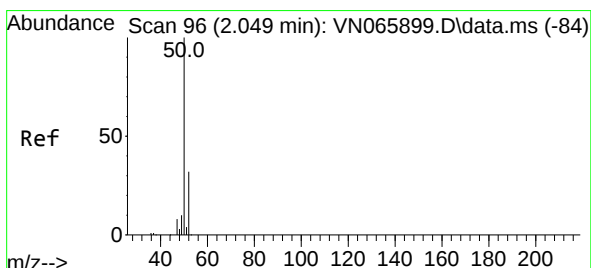
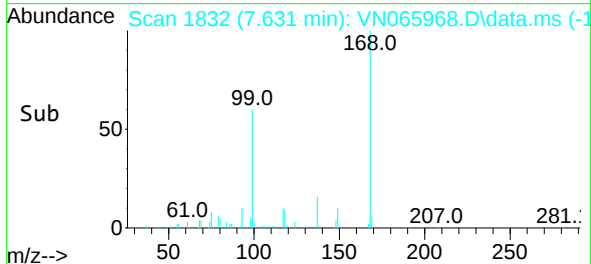
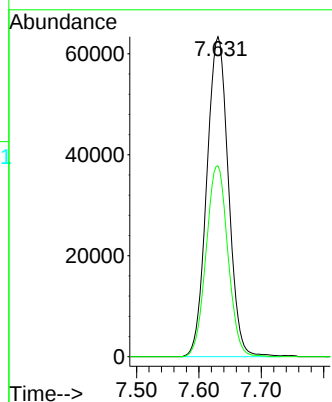
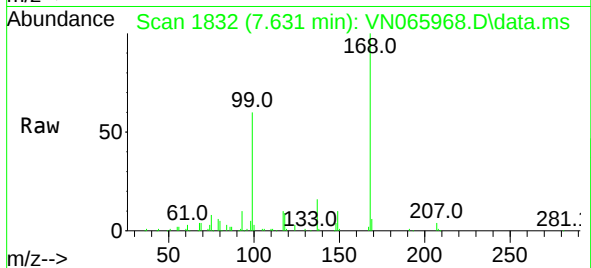




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

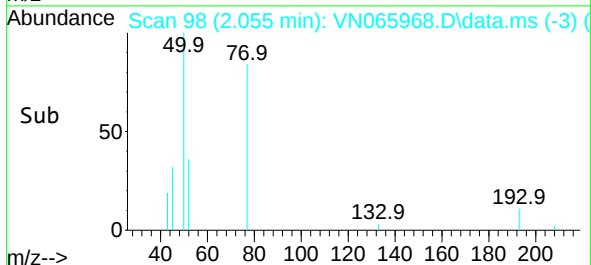
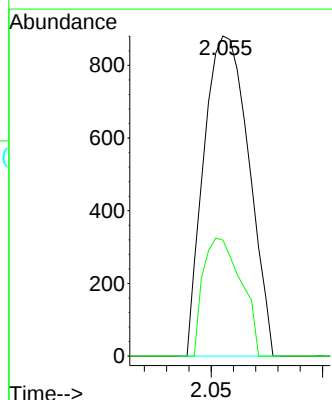
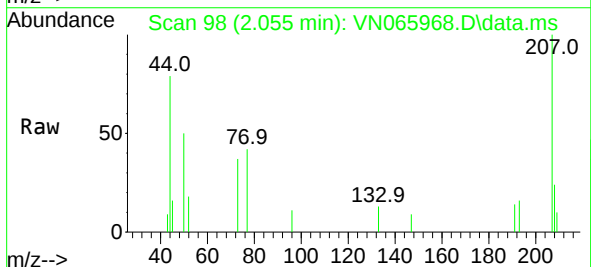
Instrument :
MSVOA_N
ClientSampled :

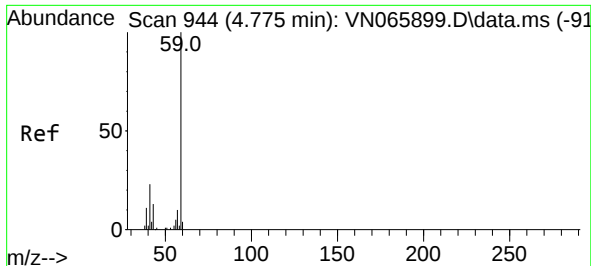
Tgt Ion:168 Resp: 152803
Ion Ratio Lower Upper
168 100
99 59.7 42.6 63.8



#3
Chloromethane
Concen: 0.49 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 50 Resp: 1234
Ion Ratio Lower Upper
50 100
52 36.2 25.8 38.8



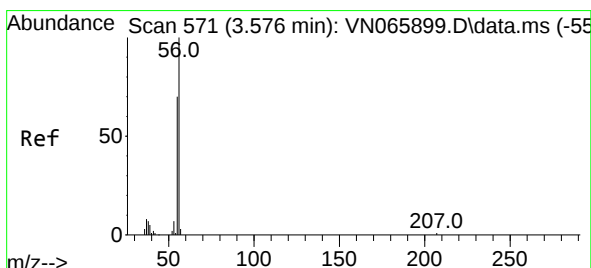
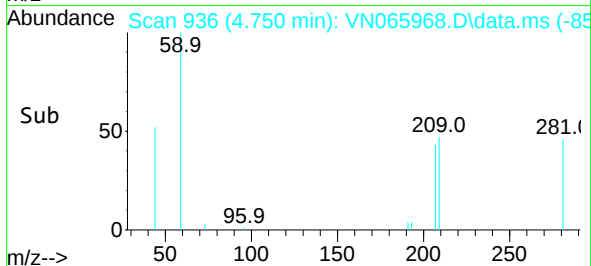
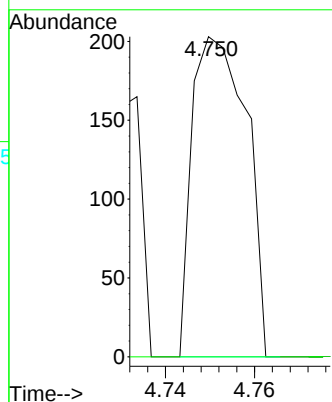
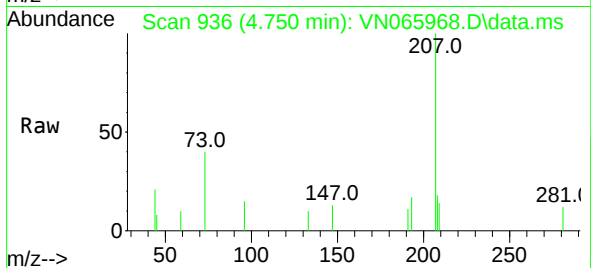


#11

Tert butyl alcohol
Concen: 0.58 ug/l
RT: 4.750 min Scan# 936
Delta R.T. -0.025 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

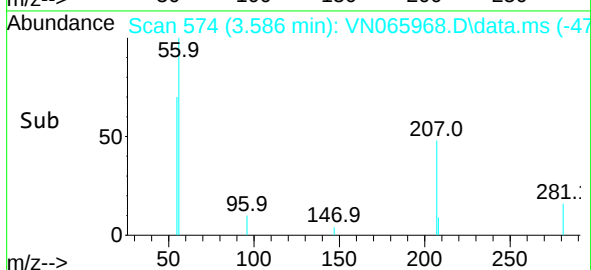
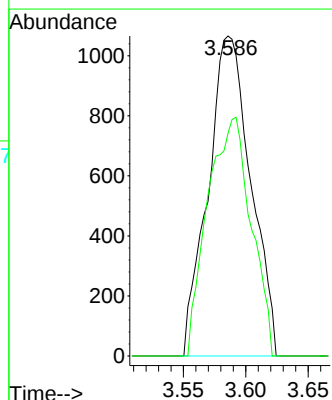
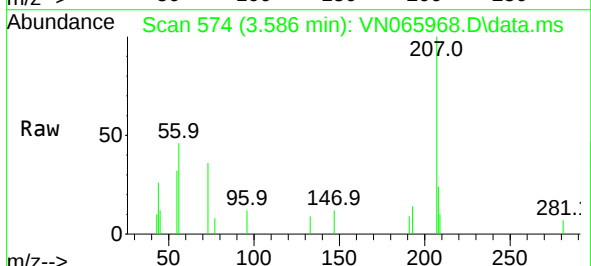
Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

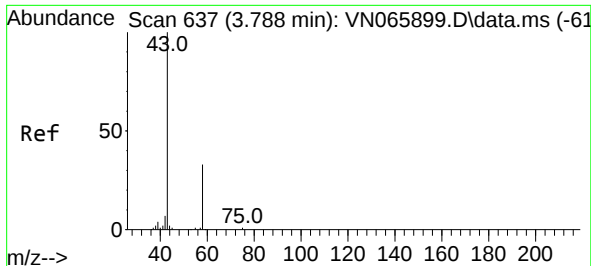


#13

Acrolein
Concen: 9.35 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 56 Resp: 2542
Ion Ratio Lower Upper
56 100
55 75.5 56.0 84.0

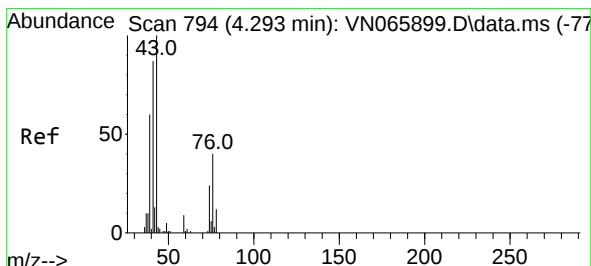
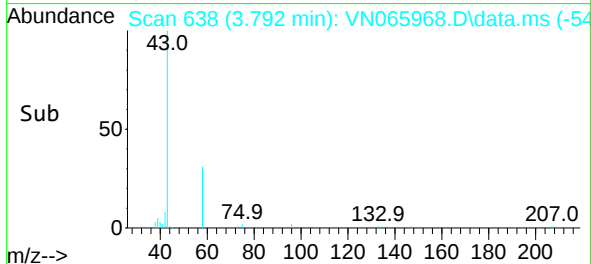
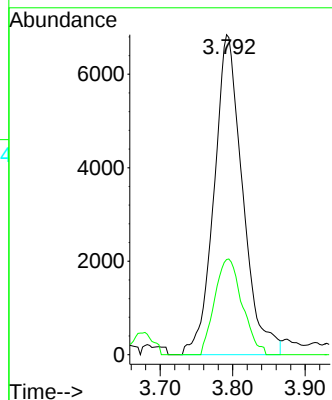
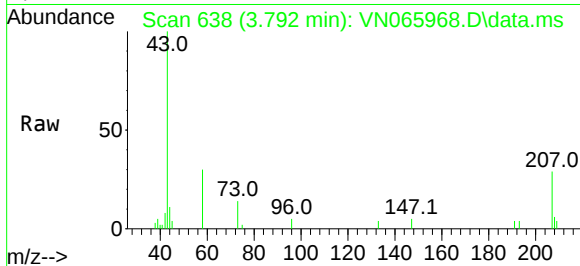




#16
Acetone
Concen: 26.46 ug/l
RT: 3.792 min Scan# 638
Delta R.T. 0.004 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

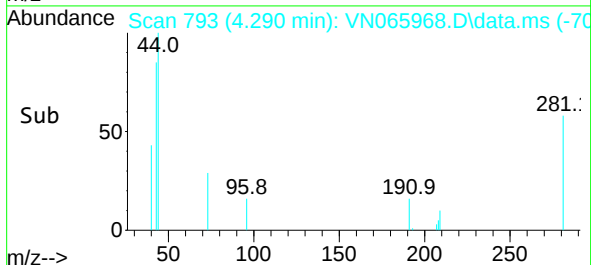
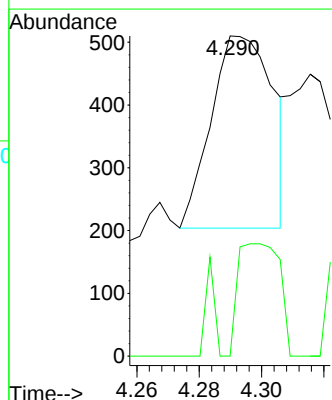
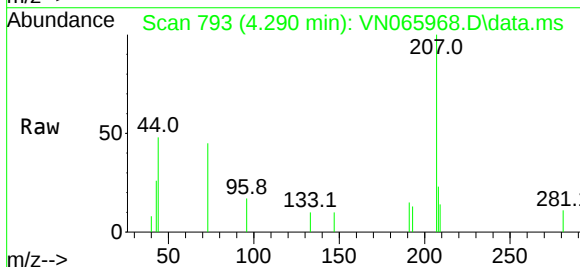
Instrument :
MSVOA_N
ClientSampled :

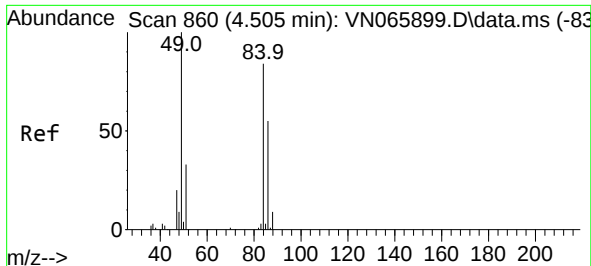
Tgt Ion: 43 Resp: 18723
Ion Ratio Lower Upper
43 100
58 29.8 27.0 40.6



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 4.290 min Scan# 793
Delta R.T. -0.003 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

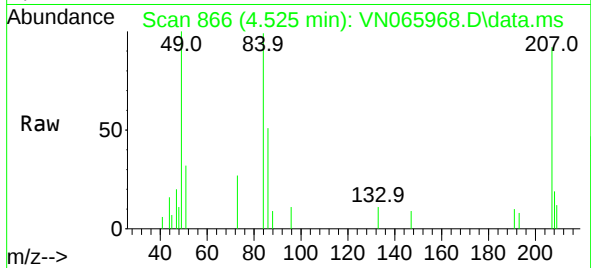
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
74 39.6 19.5 29.3#



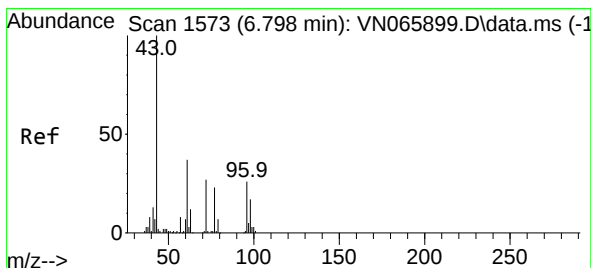
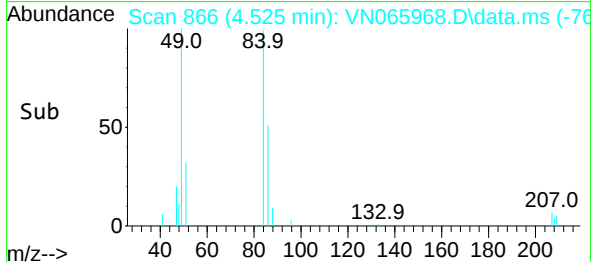
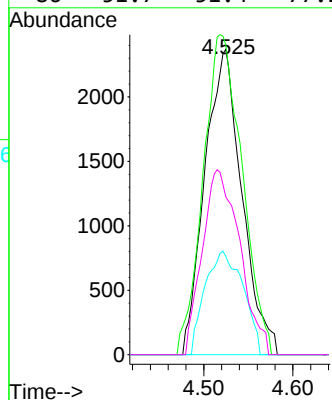


#20
Methylene Chloride
Concen: 3.44 ug/l
RT: 4.525 min Scan# 866
Delta R.T. 0.020 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

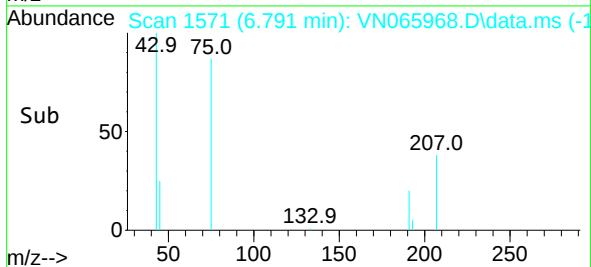
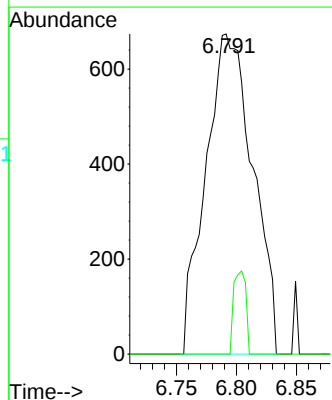
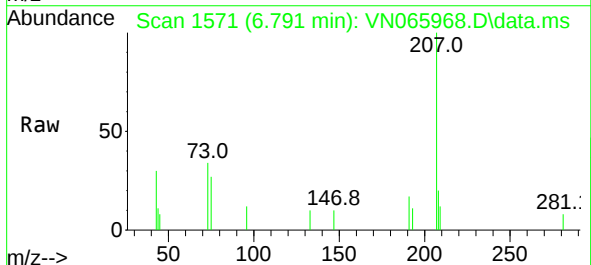


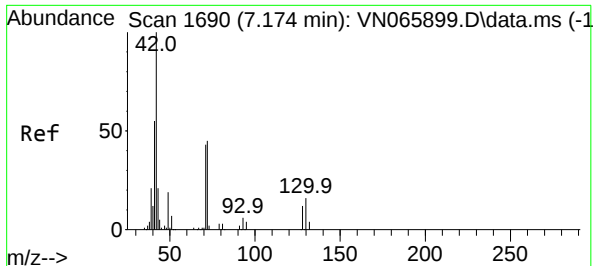
Tgt Ion: 84	Resp: 6823
Ion Ratio	Lower Upper
84 100	
49 101.5	94.6 141.8
51 32.2	29.9 44.9
86 51.7	51.4 77.2



#25
2-Butanone
Concen: 1.74 ug/l
RT: 6.791 min Scan# 1571
Delta R.T. -0.007 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 43	Resp: 1845		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	23.1	34.7#	





#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 7.168 min Scan# 1688

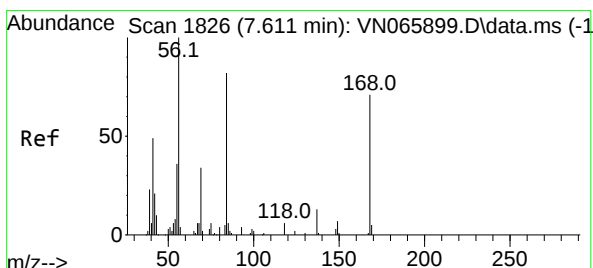
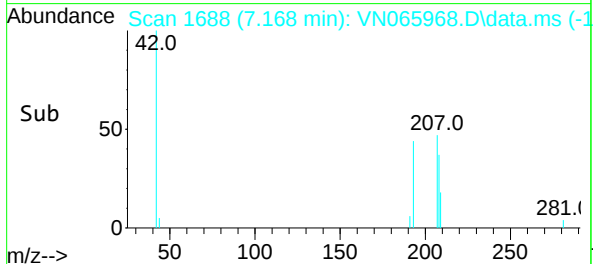
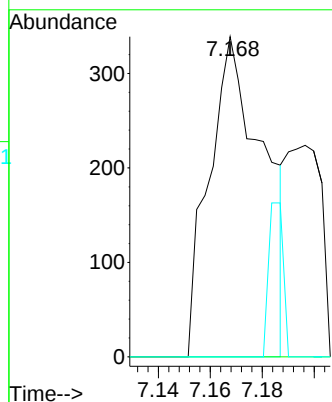
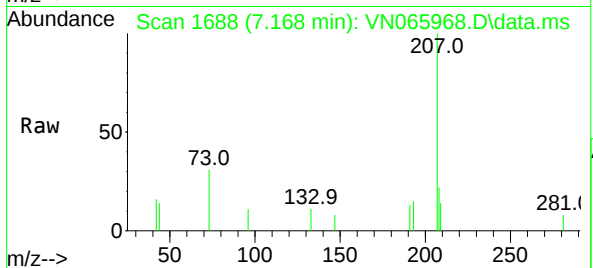
Delta R.T. -0.006 min

Lab File: VN065968.D

Acq: 22 Feb 2021 18:30

Tgt Ion:	42	Resp:	491
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	12.8	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.92 ug/l

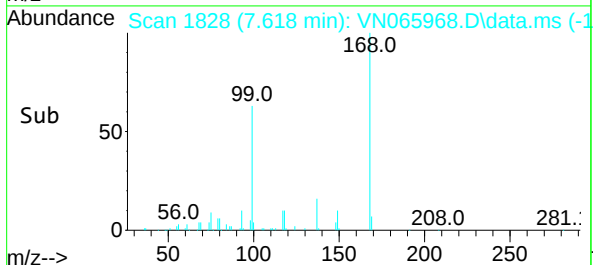
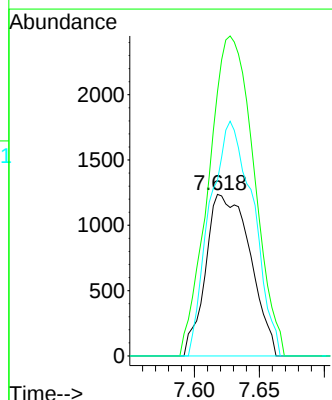
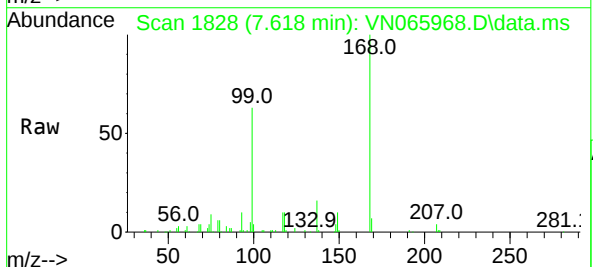
RT: 7.618 min Scan# 1828

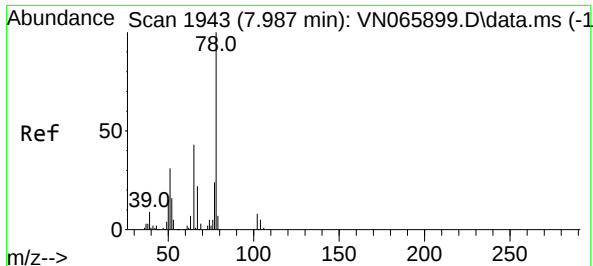
Delta R.T. 0.007 min

Lab File: VN065968.D

Acq: 22 Feb 2021 18:30

Tgt Ion:	56	Resp:	2940
Ion	Ratio	Lower	Upper
56	100		
69	163.5	26.6	39.8#
84	108.6	70.4	105.6#

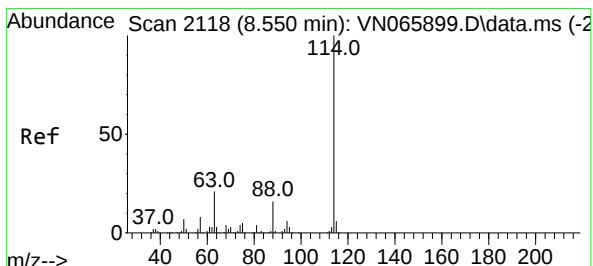
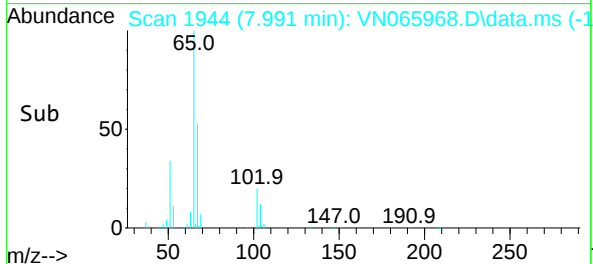
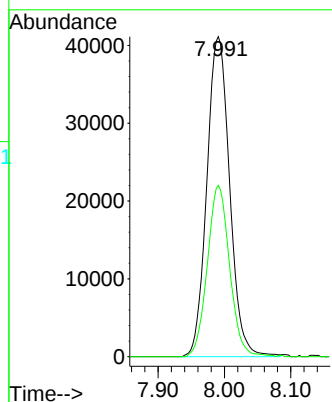
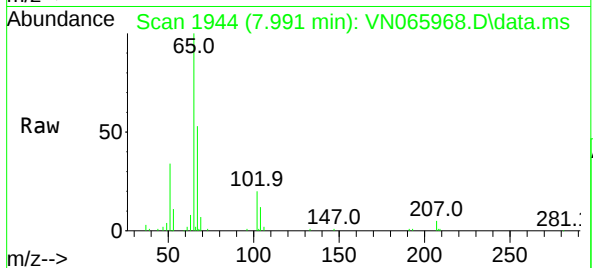




#33
1,2-Dichloroethane-d4
Concen: 46.01 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

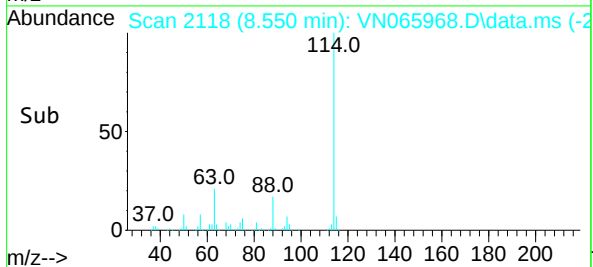
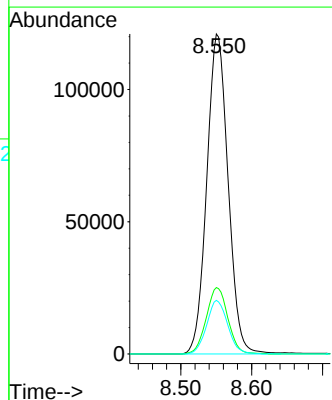
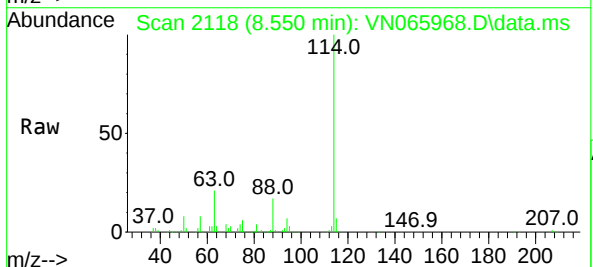
Instrument :
MSVOA_N
ClientSampled :

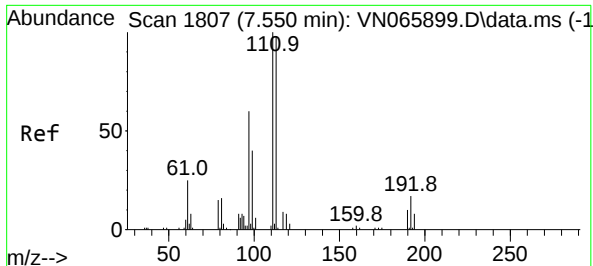
Tgt Ion: 65 Resp: 98325
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 114 Resp: 252757
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 16.8 0.0 30.6

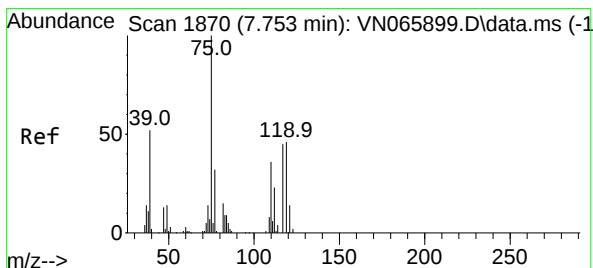
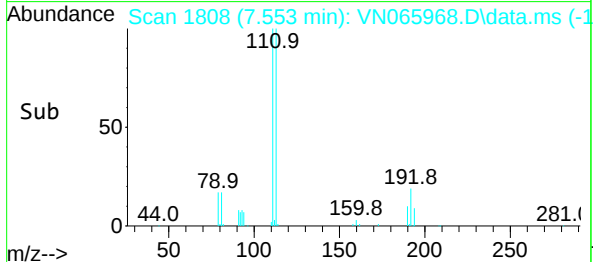
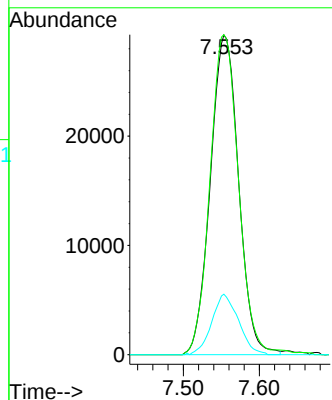
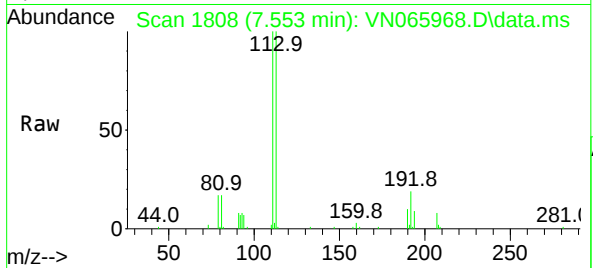




#35
Dibromofluoromethane
Concen: 48.21 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

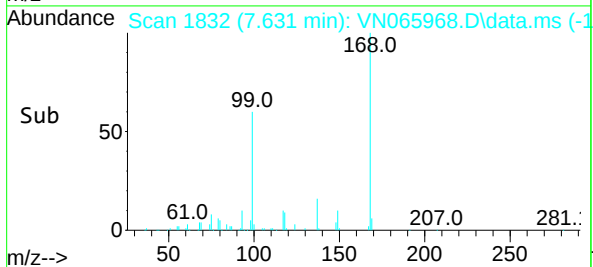
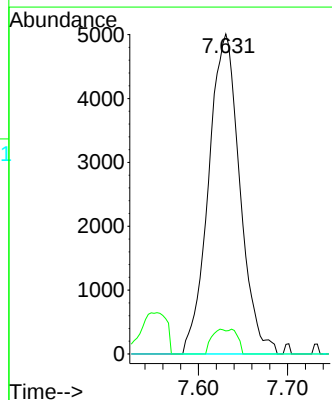
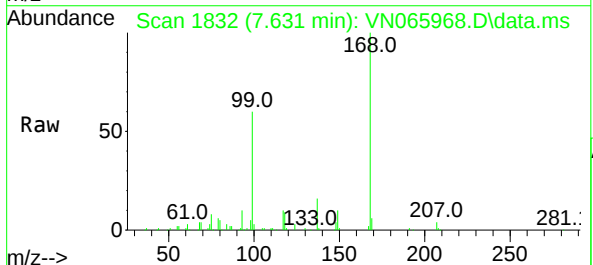
Instrument :
MSVOA_N
ClientSampled :

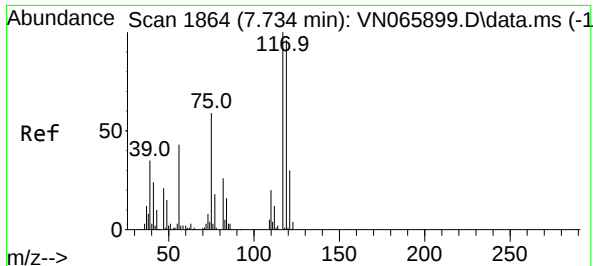
Tgt Ion:113 Resp: 75408
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 18.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 75 Resp: 12214
Ion Ratio Lower Upper
75 100
110 3.6 18.2 54.6#
77 0.0 24.9 37.3#

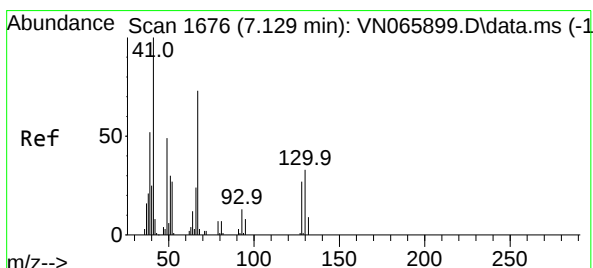
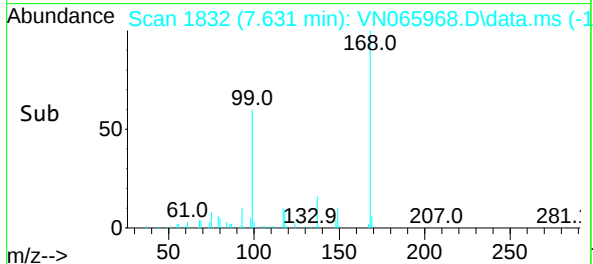
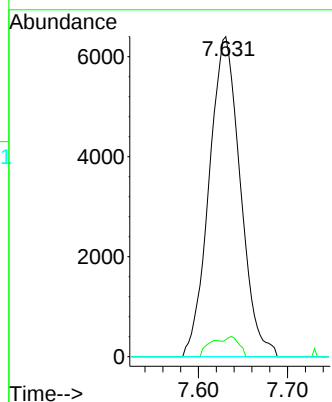
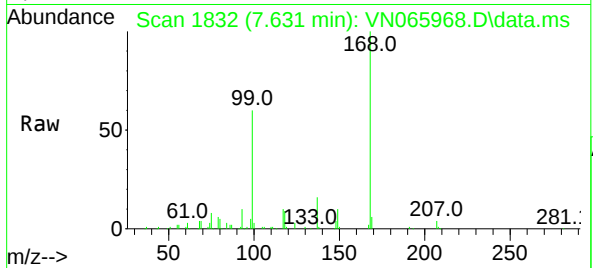




#38
Carbon Tetrachloride
Concen: 6.72 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

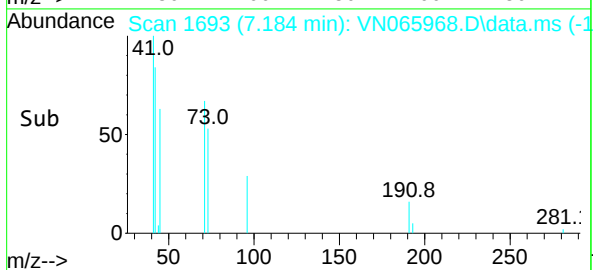
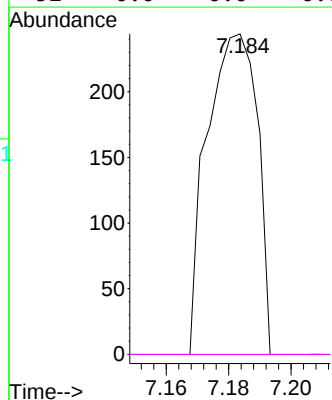
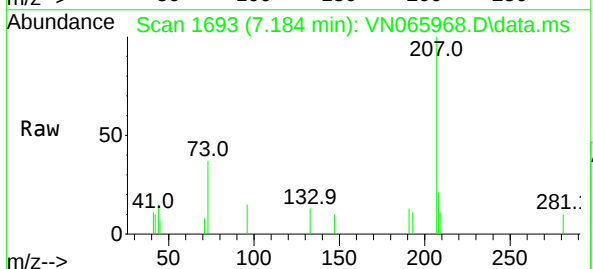
Instrument :
MSVOA_N
ClientSampled :

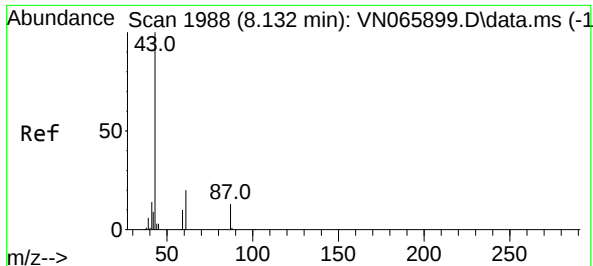
Tgt Ion:117 Resp: 15562
Ion Ratio Lower Upper
117 100
119 5.2 76.0 114.0#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.25 ug/l
RT: 7.184 min Scan# 1693
Delta R.T. 0.055 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0



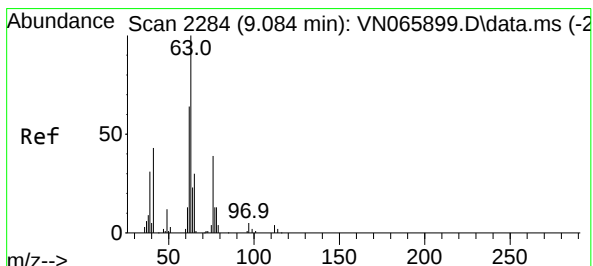
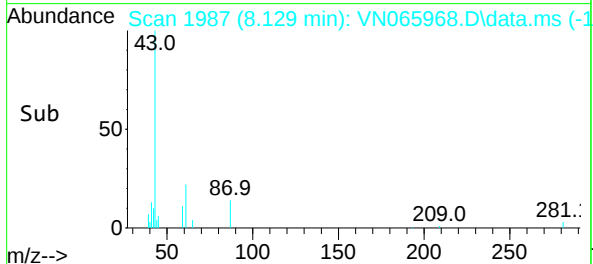
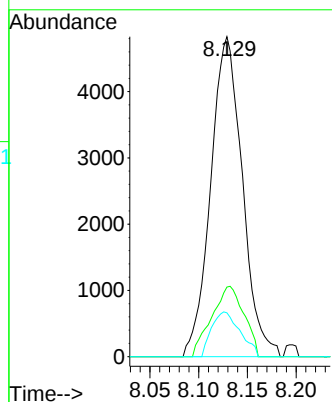
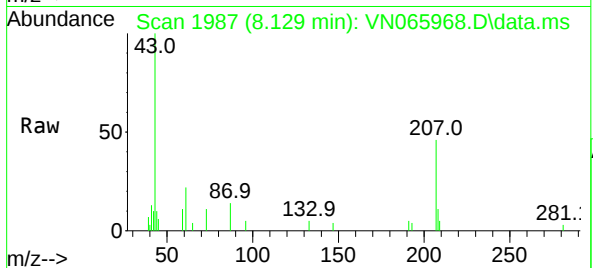


#43

Isopropyl Acetate
Concen: 3.04 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.003 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

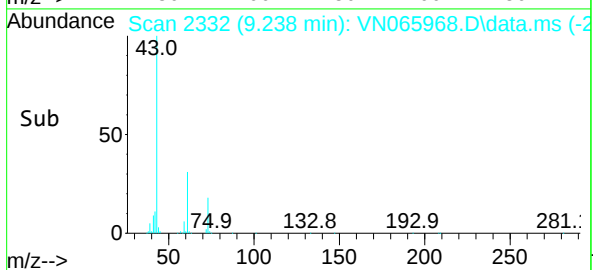
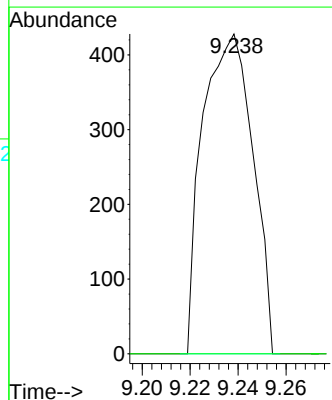
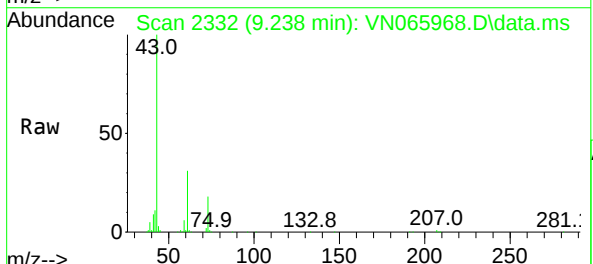
Tgt Ion: 43 Resp: 10921
Ion Ratio Lower Upper
43 100
61 22.4 22.5 33.7#
87 12.5 11.1 16.7

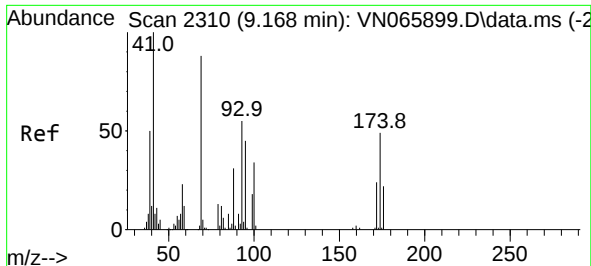


#45

1,2-Dichloropropane
Concen: 0.32 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 63 Resp: 621
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

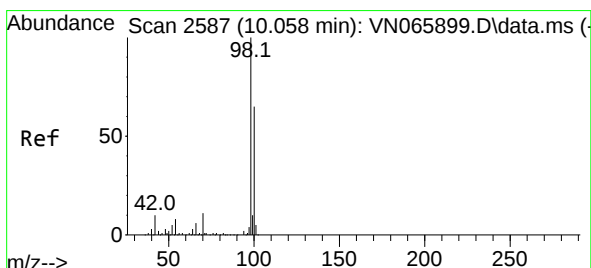
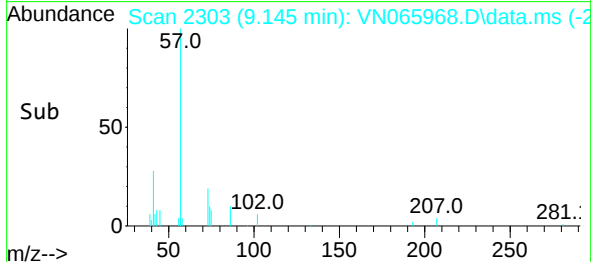
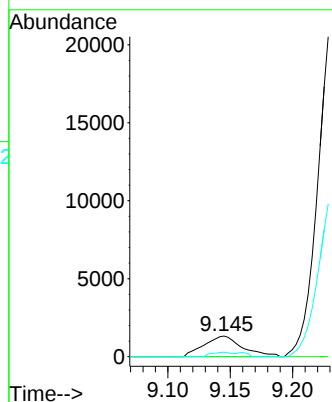
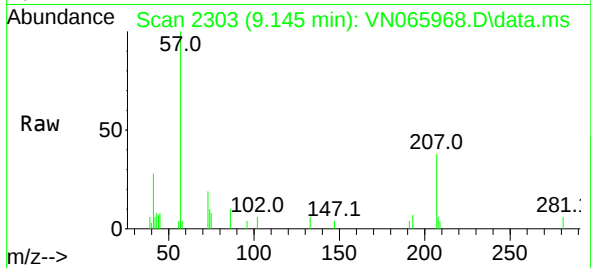




#48
Methyl methacrylate
Concen: 1.55 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.023 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

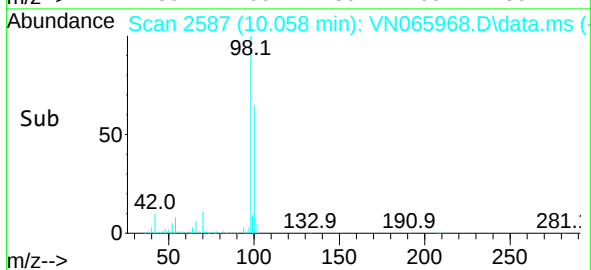
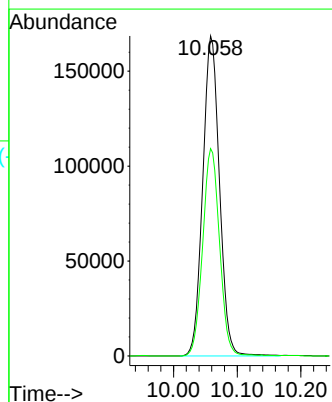
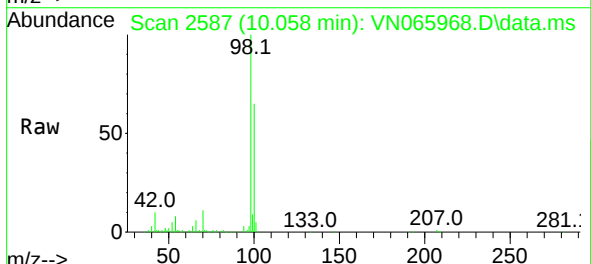
Instrument :
MSVOA_N
ClientSampled :

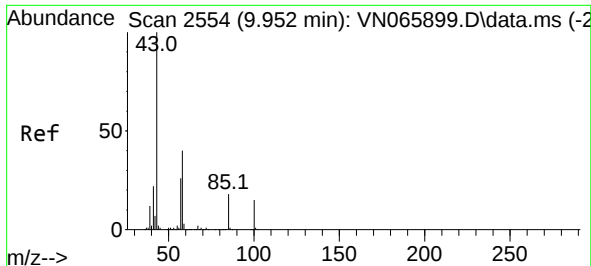
Tgt Ion: 41 Resp: 2817
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 47.96 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 98 Resp: 307983
Ion Ratio Lower Upper
98 100
100 65.1 50.5 75.7

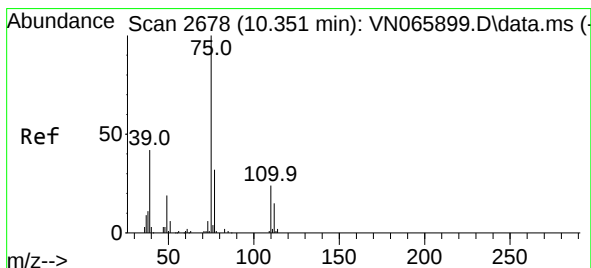
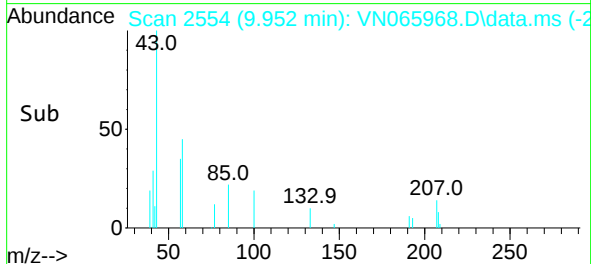
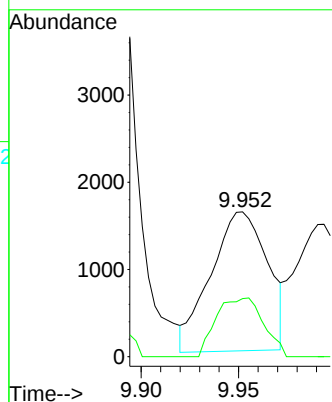
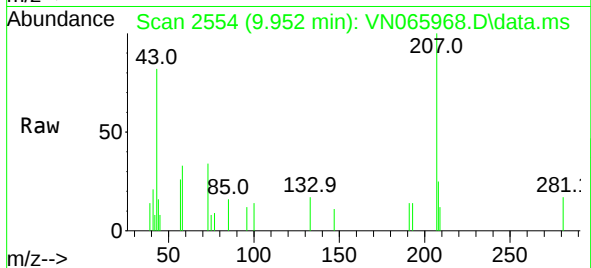




#51
4-Methyl-2-Pentanone
Concen: 1.48 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

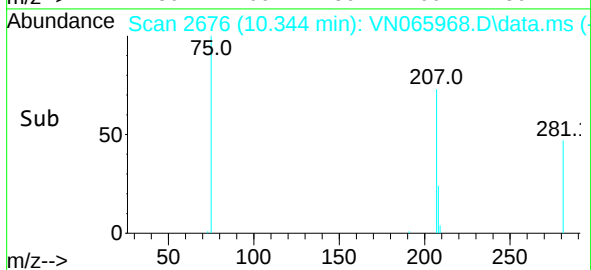
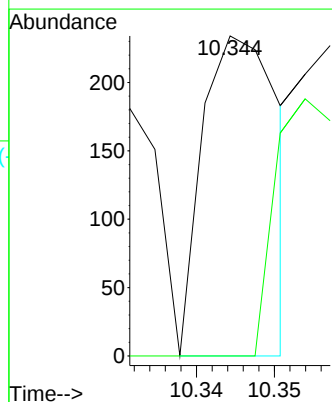
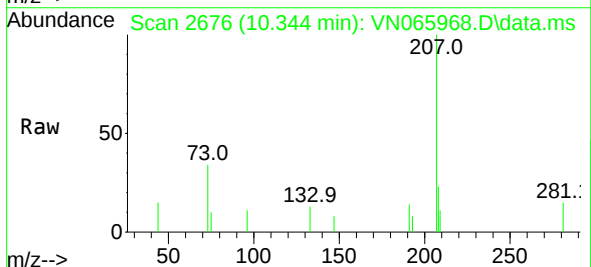
Instrument :
MSVOA_N
ClientSampled :

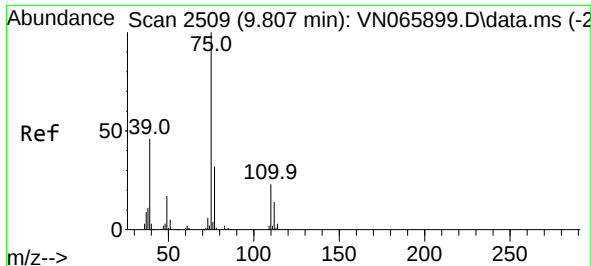
Tgt Ion: 43 Resp: 3230
Ion Ratio Lower Upper
43 100
58 35.2 32.5 48.7



#53
t-1,3-Dichloropropene
Concen: 2.03 ug/l
RT: 10.344 min Scan# 2676
Delta R.T. -0.007 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 75 Resp: 159
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#

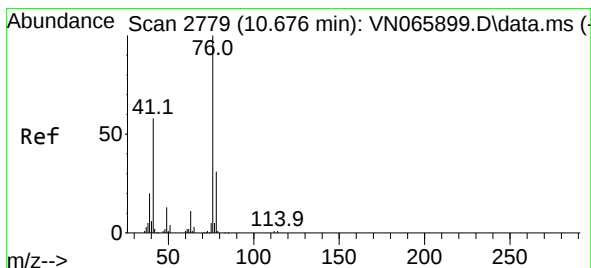
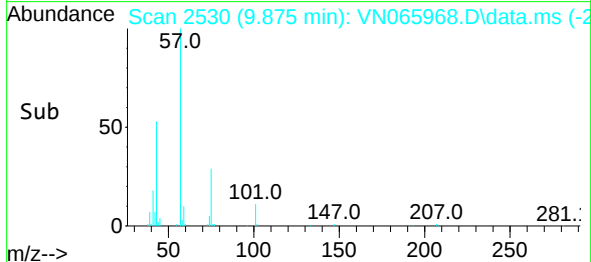
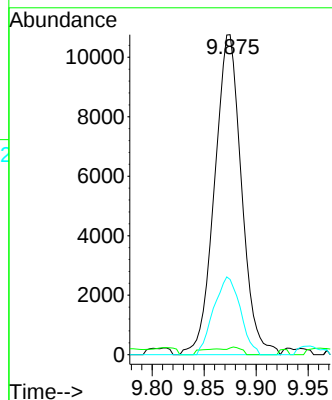
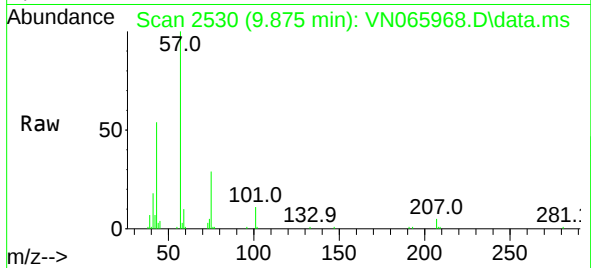




#54
cis-1,3-Dichloropropene
Concen: 6.43 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

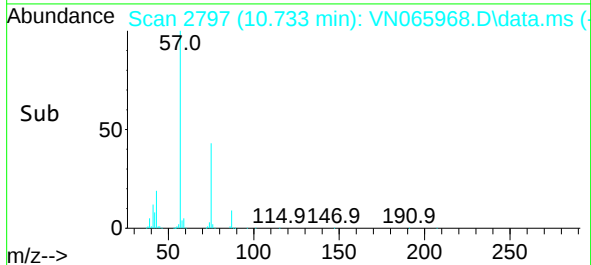
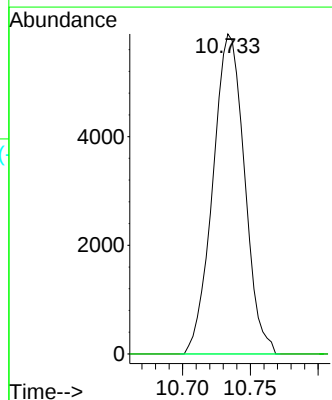
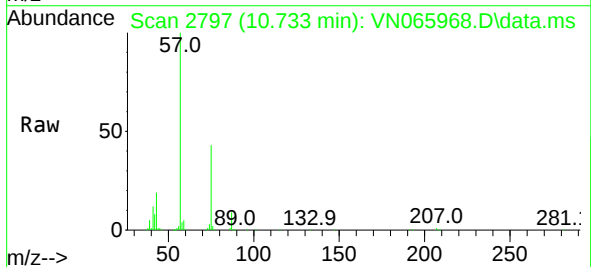
Instrument :
MSVOA_N
ClientSampled :

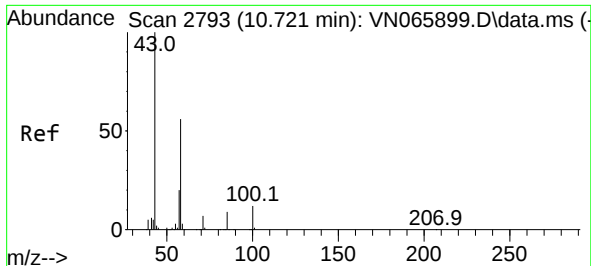
Tgt Ion: 75 Resp: 19363
Ion Ratio Lower Upper
75 100
77 2.1 24.9 37.3#
39 23.5 36.2 54.4#



#57
1,3-Dichloropropane
Concen: 3.09 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 76 Resp: 9573
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

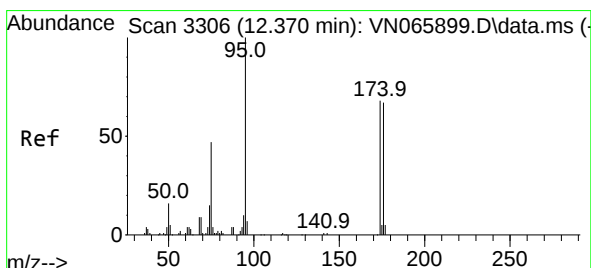
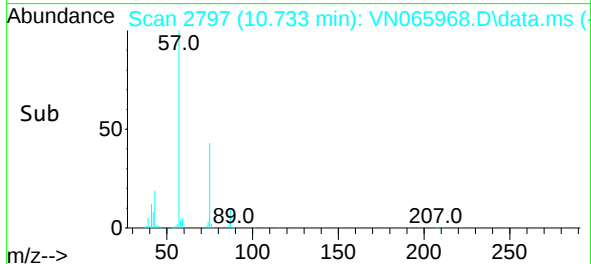
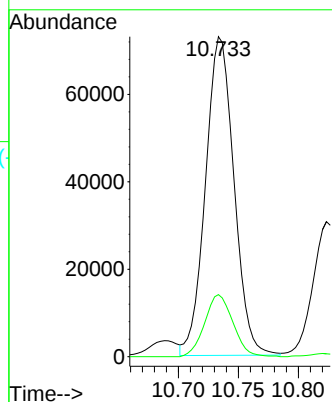
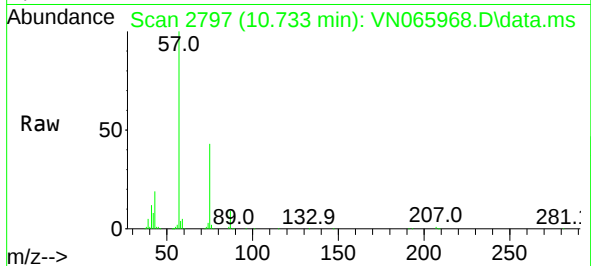




#59
2-Hexanone
Concen: 77.57 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

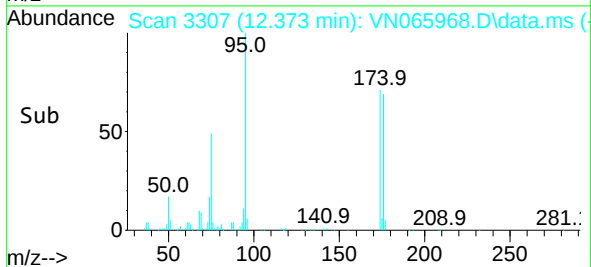
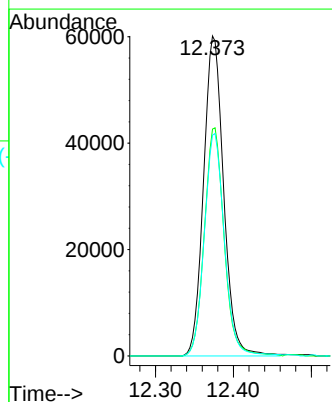
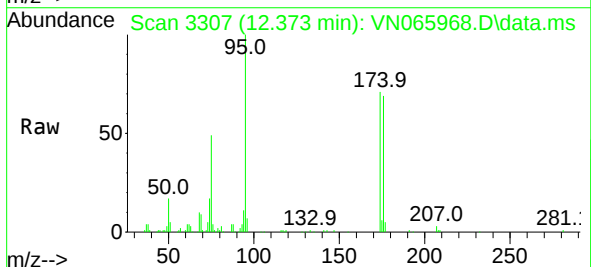
Instrument :
MSVOA_N
ClientSampled :

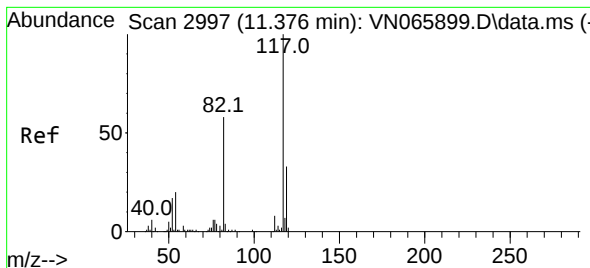
Tgt Ion: 43 Resp: 120586
Ion Ratio Lower Upper
43 100
58 19.3 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 44.67 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 95 Resp: 107670
Ion Ratio Lower Upper
95 100
174 70.1 0.0 169.0
176 69.6 0.0 162.4

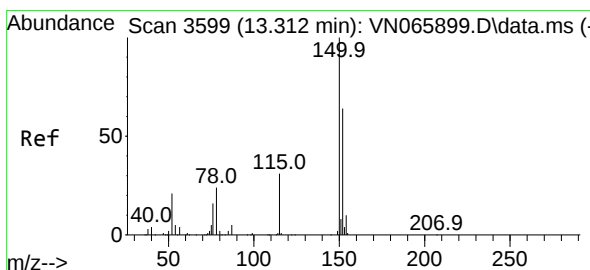
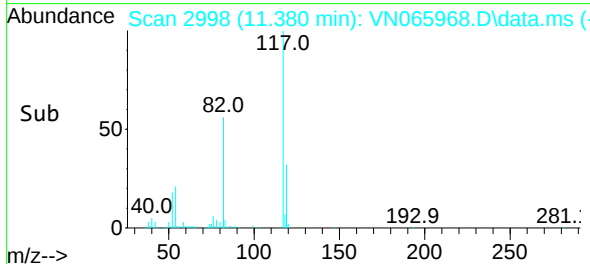
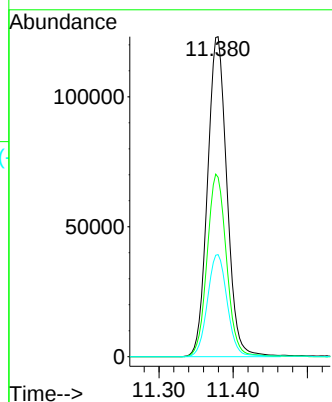
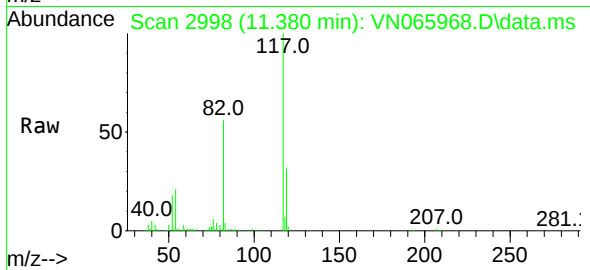




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

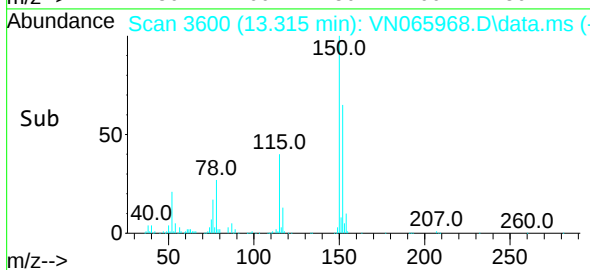
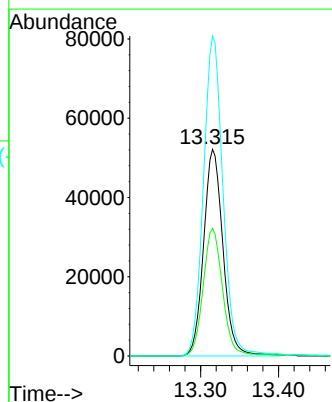
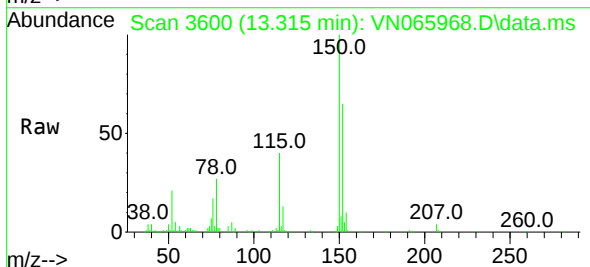
Instrument :
MSVOA_N
ClientSampled :

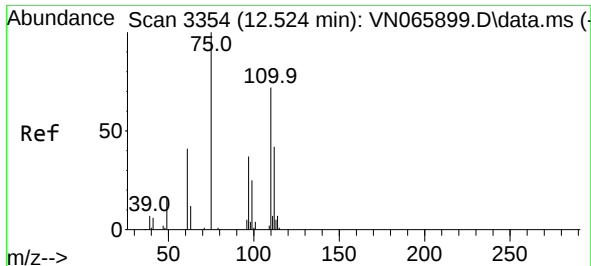
Tgt Ion:117 Resp: 223307
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion:152 Resp: 90016
Ion Ratio Lower Upper
152 100
115 61.9 28.5 85.6
150 156.9 0.0 347.6

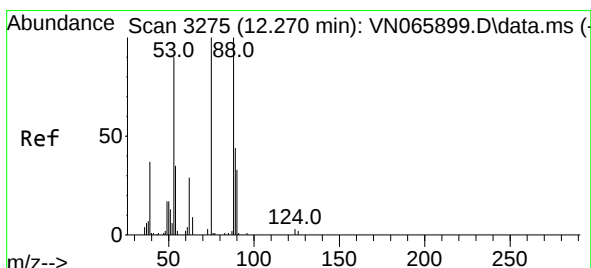
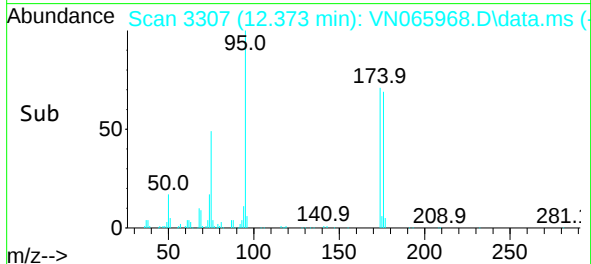
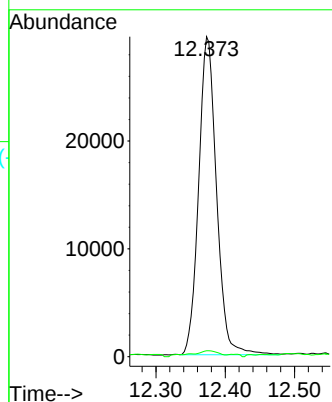
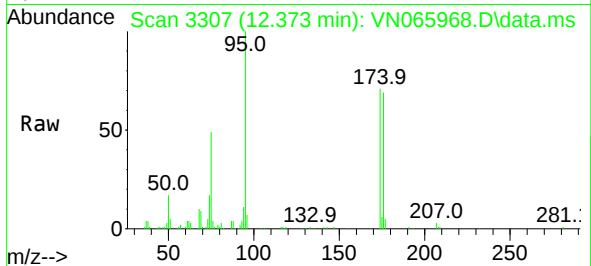




#76
1,2,3-Trichloropropane
Concen: 24.46 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

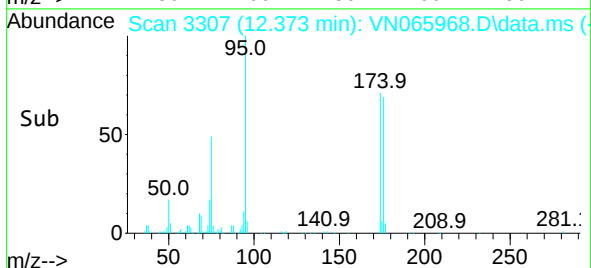
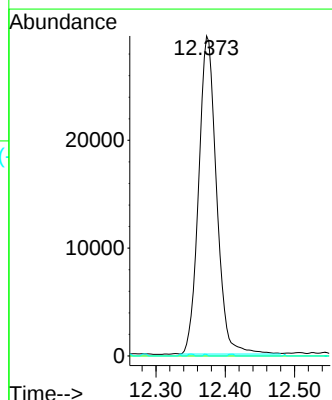
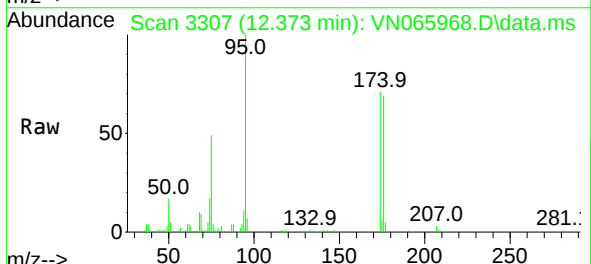
Instrument :
MSVOA_N
ClientSampled :

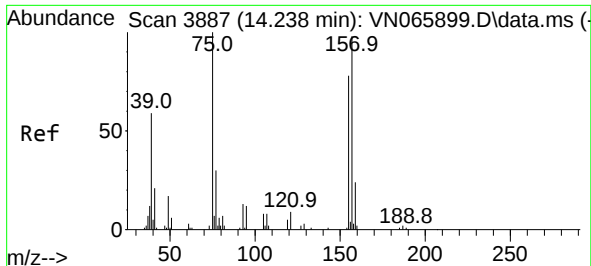
Tgt Ion: 75 Resp: 52894
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.95 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion: 75 Resp: 52894
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

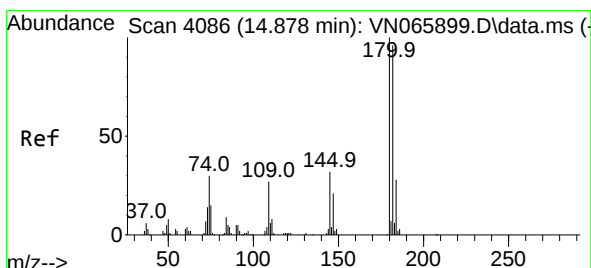
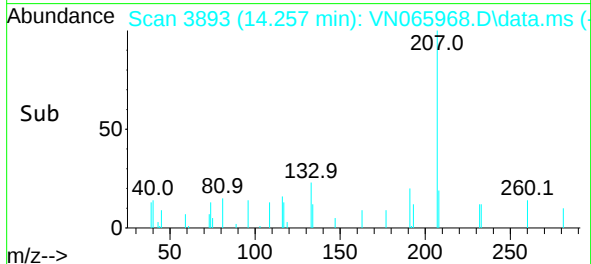
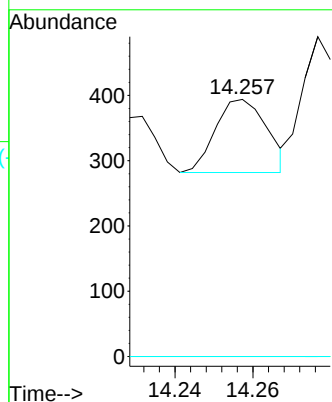
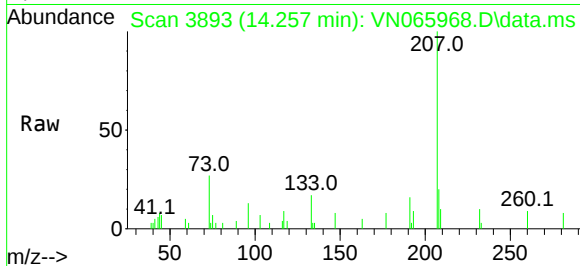




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.08 ug/l
RT: 14.257 min Scan# 3893
Delta R.T. 0.019 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

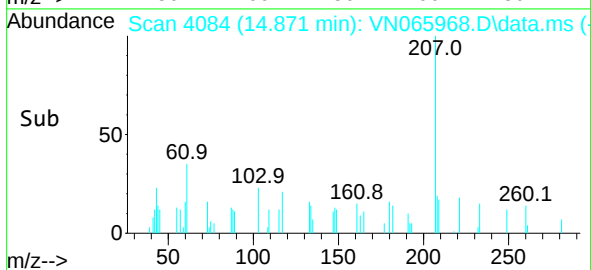
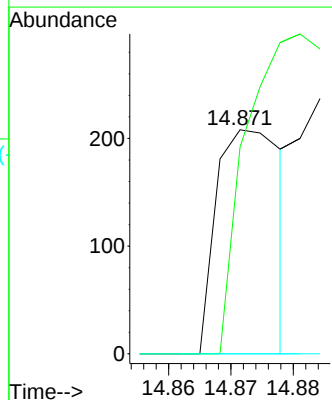
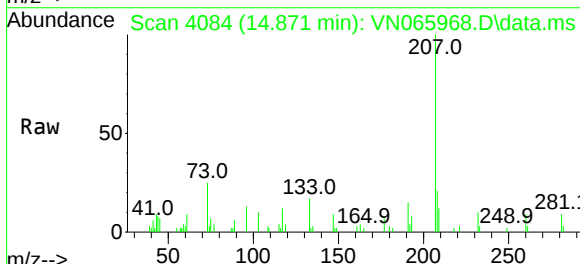
Instrument :
MSVOA_N
ClientSampled :

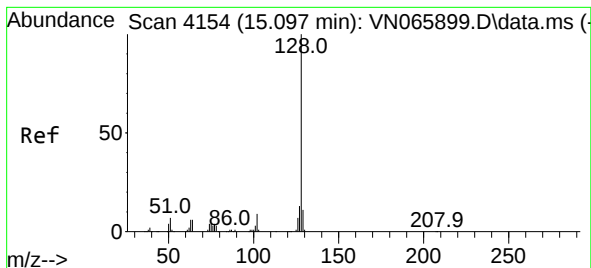
Tgt Ion: 75 Resp: 103
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#93
1,2,4-Trichlorobenzene
Concen: 2.55 ug/l
RT: 14.871 min Scan# 4084
Delta R.T. -0.007 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion:180 Resp: 151
Ion Ratio Lower Upper
180 100
182 215.9 47.3 142.0#
145 0.0 15.6 46.8#

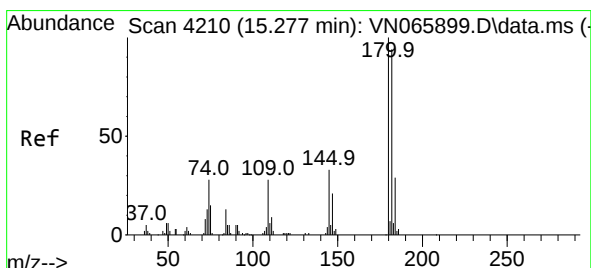
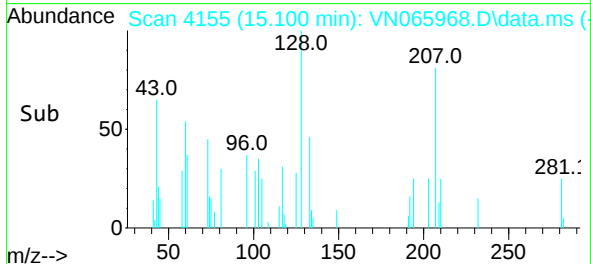
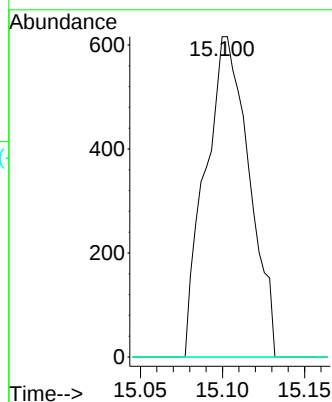
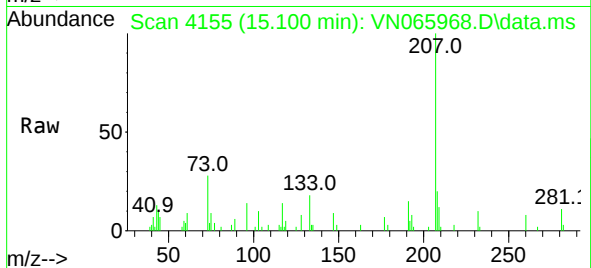




#95
Naphthalene
Concen: 3.26 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1145
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.31 ug/l
RT: 15.277 min Scan# 4210
Delta R.T. -0.000 min
Lab File: VN065968.D
Acq: 22 Feb 2021 18:30

Tgt Ion:180 Resp: 240
Ion Ratio Lower Upper
180 100
182 131.7 47.4 142.3
145 0.0 16.5 49.5#

