

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022321\
 Data File : VN065982.D
 Acq On : 23 Feb 2021 13:41
 Operator : JC/MD
 Sample : PB134775ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 24 00:34:09 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)

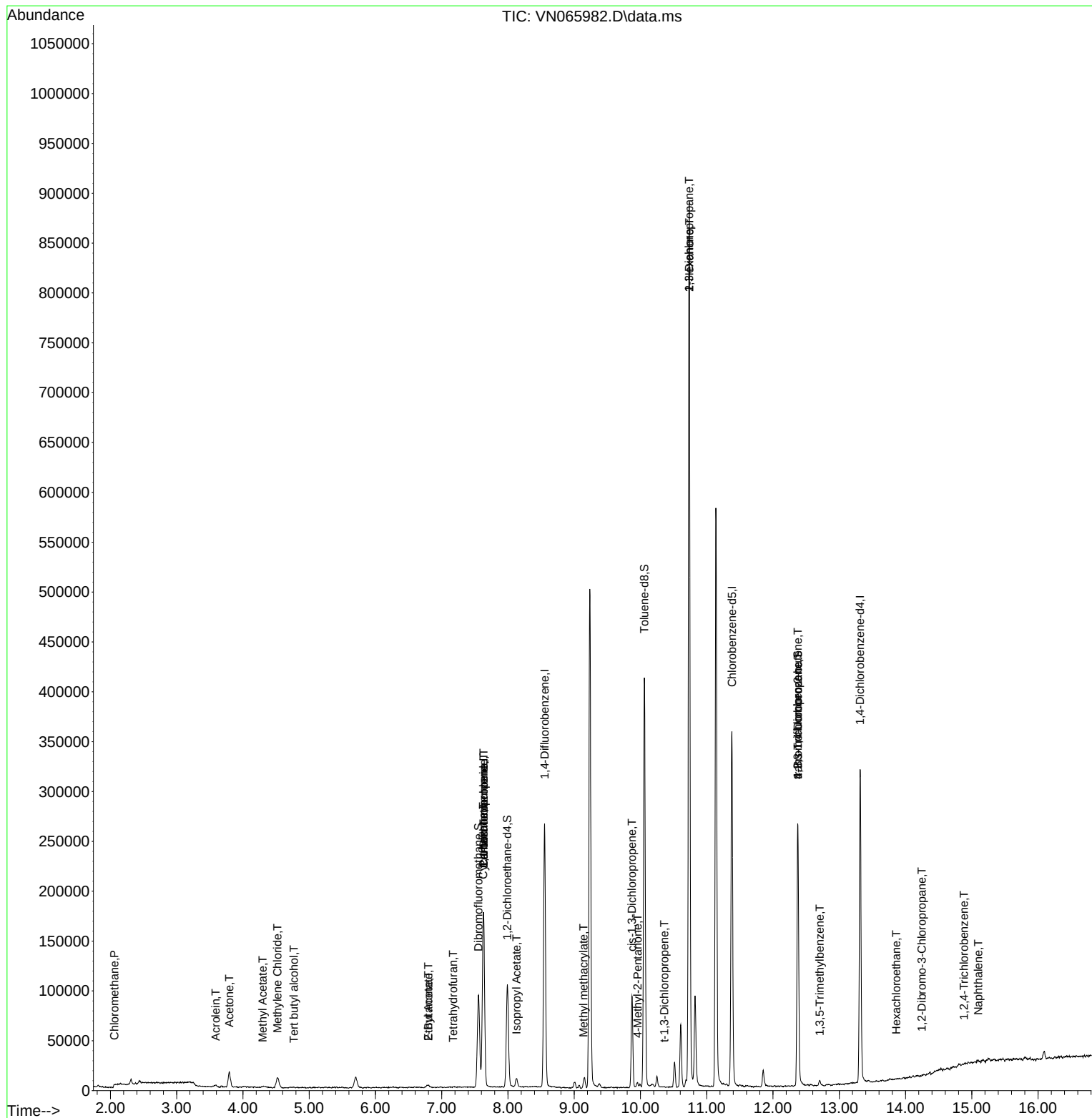
Internal Standards						
1) Pentafluorobenzene	7.630	168	146417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	240747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	217783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	90794	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	93274	45.55	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.10%		
35) Dibromofluoromethane	7.553	113	72231	48.48	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.96%		
50) Toluene-d8	10.058	98	292420	47.81	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.62%		
62) 4-Bromofluorobenzene	12.373	95	104447	45.49	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.98%		
Target Compounds						Qvalue
3) Chloromethane	2.058	50	1081	0.45	ug/l	100
11) Tert butyl alcohol	4.769	59	348	1.22	ug/l #	73
13) Acrolein	3.589	56	2005	7.70	ug/l	93
16) Acetone	3.795	43	25966	39.02	ug/l	95
18) Methyl Acetate	4.296	43	704	0.42	ug/l #	78
20) Methylene Chloride	4.521	84	8193	4.32	ug/l	90
25) 2-Butanone	6.798	43	2906	2.87	ug/l	91
29) Tetrahydrofuran	7.174	42	345	0.49	ug/l #	32
31) Cyclohexane	7.624	56	2841	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	11260	4.74	ug/l #	48
37) Ethyl Acetate	6.798	43	2906	1.36	ug/l #	68
38) Carbon Tetrachloride	7.630	117	14631	6.63	ug/l #	17
43) Isopropyl Acetate	8.129	43	10310	3.02	ug/l #	91
48) Methyl methacrylate	9.138	41	2525	1.46	ug/l #	10
51) 4-Methyl-2-Pentanone	9.955	43	3321	1.60	ug/l	99
53) t-1,3-Dichloropropene	10.360	75	29	1.99	ug/l #	42
54) cis-1,3-Dichloropropene	9.872	75	18412	6.42	ug/l #	60
57) 1,3-Dichloropropane	10.733	76	9770	3.31	ug/l #	43
59) 2-Hexanone	10.736	43	126433	85.38	ug/l #	51
76) 1,2,3-Trichloropropane	12.373	75	53351	24.46	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	2531	0.40	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.373	75	53351	77.95	ug/l #	12
90) Hexachloroethane	13.862	117	244	0.24	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.244	75	179	1.26	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.881	180	30	2.48	ug/l #	13
95) Naphthalene	15.096	128	424	3.13	ug/l #	69

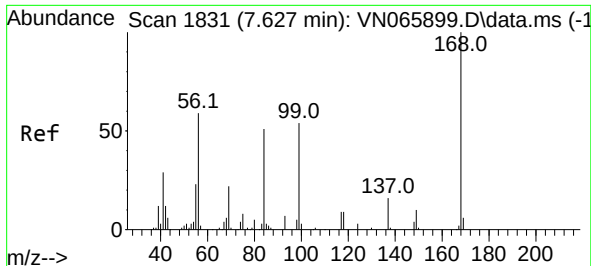
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022321\
Data File : VN065982.D
Acq On : 23 Feb 2021 13:41
Operator : JC/MD
Sample : PB134775ZHE#01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 24 00:34:09 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

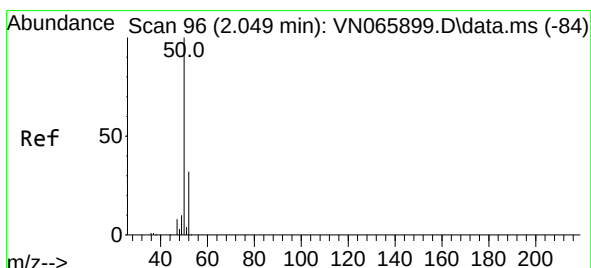
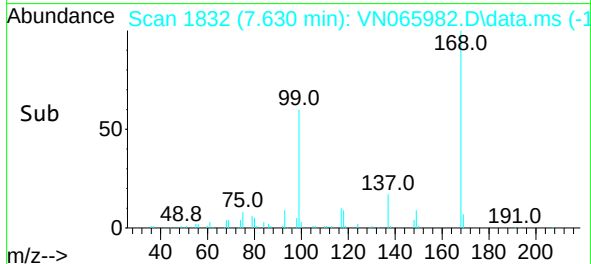
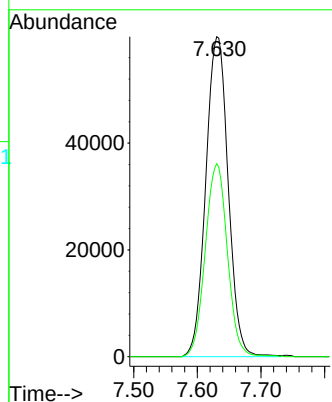
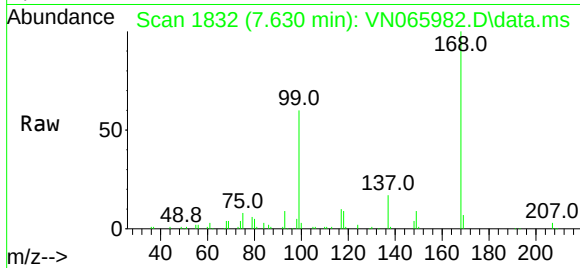




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

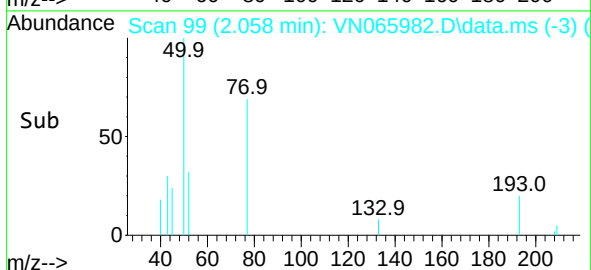
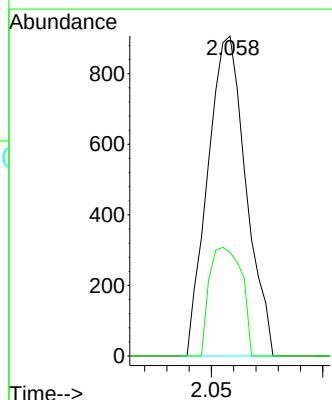
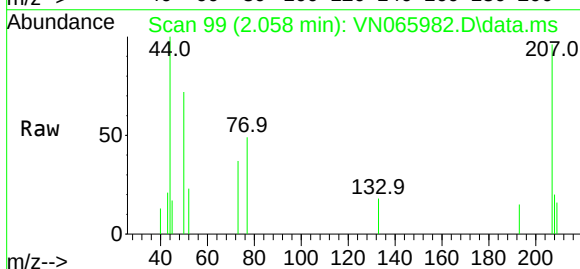
Instrument :
MSVOA_N
ClientSampled :

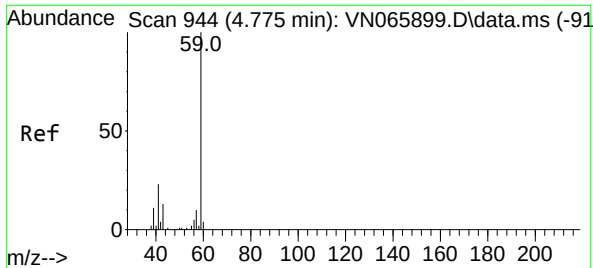
Tgt Ion:168 Resp: 146417
Ion Ratio Lower Upper
168 100
99 60.3 42.6 63.8



#3
Chloromethane
Concen: 0.45 ug/l
RT: 2.058 min Scan# 99
Delta R.T. 0.009 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 50 Resp: 1081
Ion Ratio Lower Upper
50 100
52 32.4 25.8 38.8



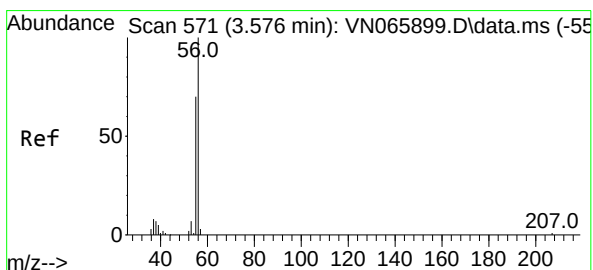
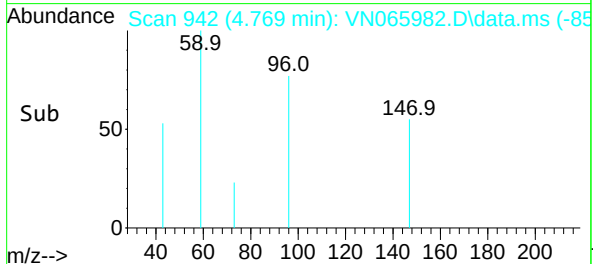
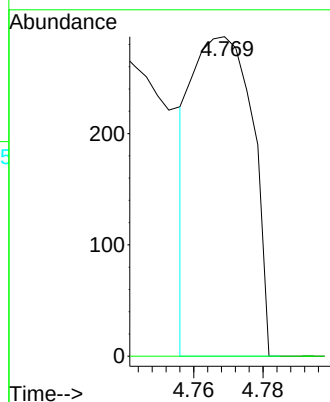
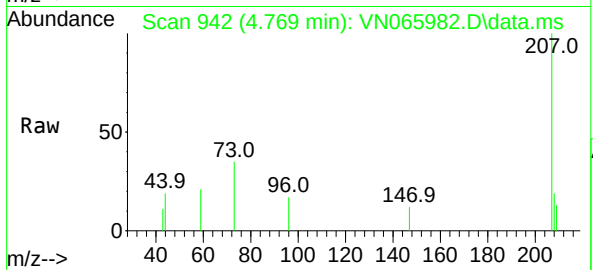


#11

Tert butyl alcohol
Concen: 1.22 ug/l
RT: 4.769 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Instrument :
MSVOA_N
ClientSampled :

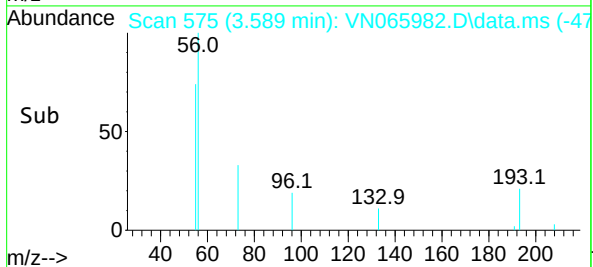
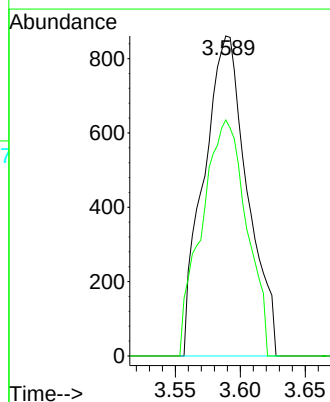
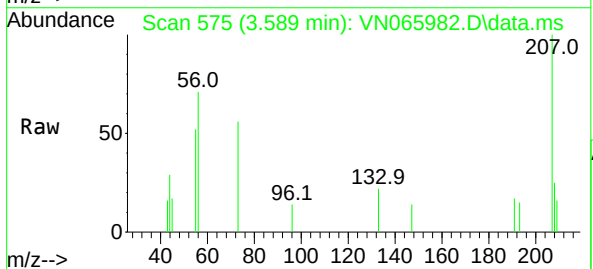
Tgt Ion: 59 Resp: 348
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

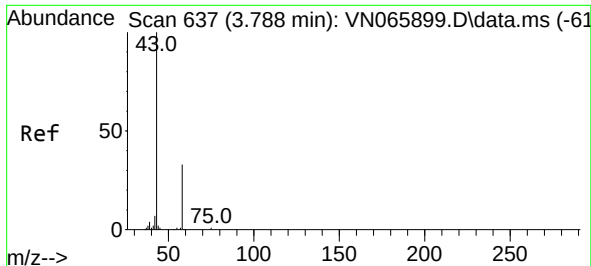


#13

Acrolein
Concen: 7.70 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 56 Resp: 2005
Ion Ratio Lower Upper
56 100
55 76.1 56.0 84.0

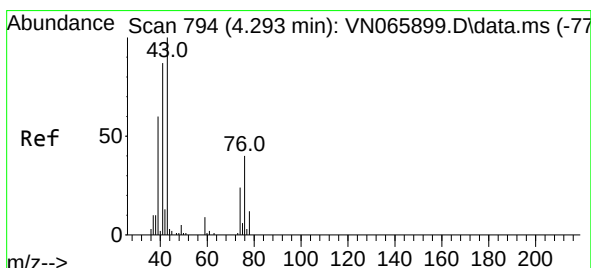
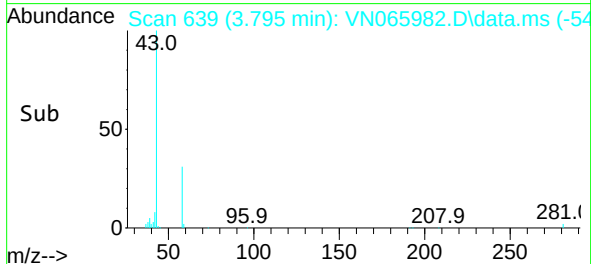
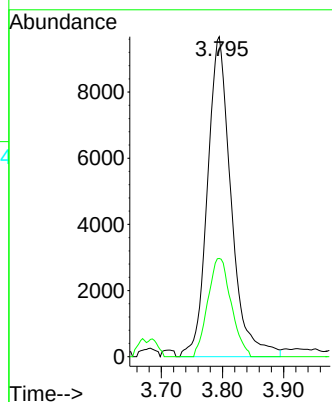
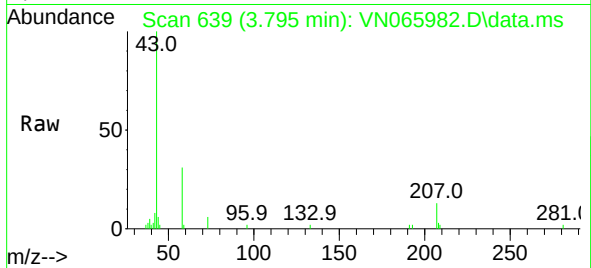




#16
Acetone
Concen: 39.02 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

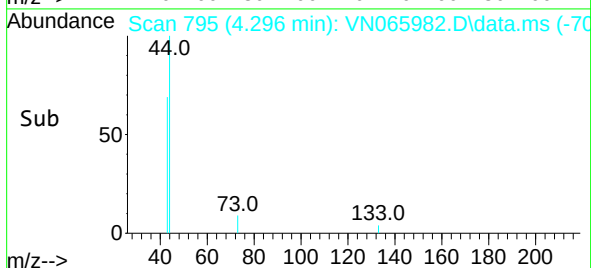
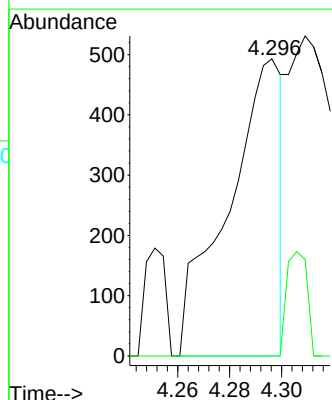
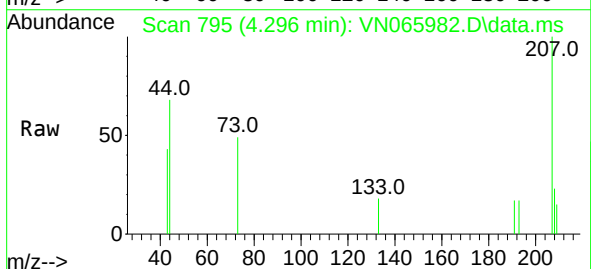
Instrument :
MSVOA_N
ClientSampled :

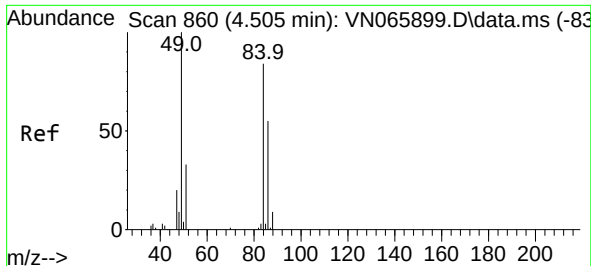
Tgt Ion: 43 Resp: 25966
Ion Ratio Lower Upper
43 100
58 30.7 27.0 40.6



#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

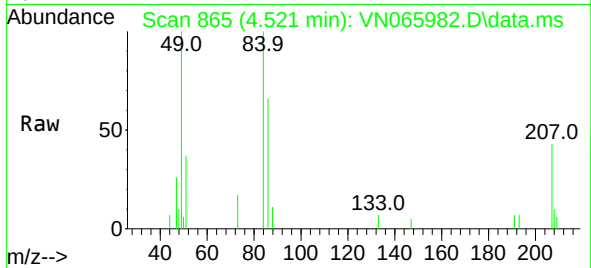
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
74 13.4 19.5 29.3#



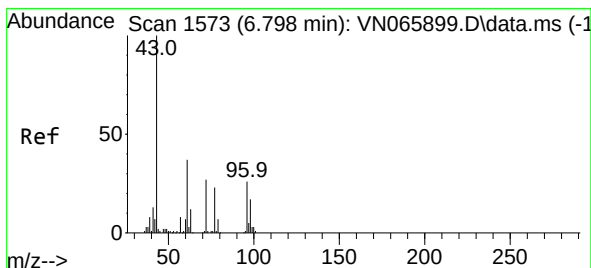
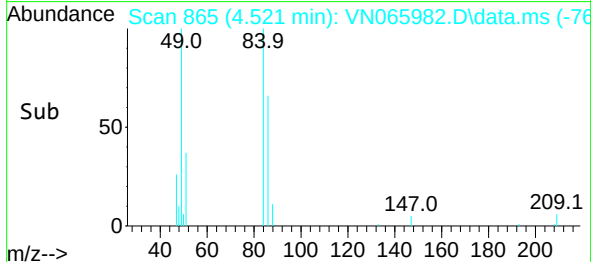
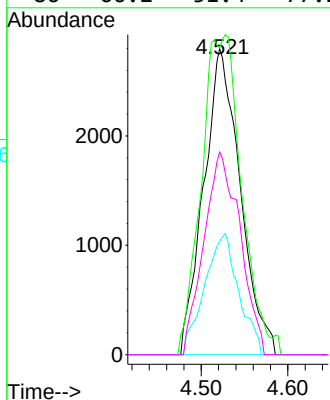


#20
Methylene Chloride
Concen: 4.32 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Instrument :
MSVOA_N
ClientSampled :

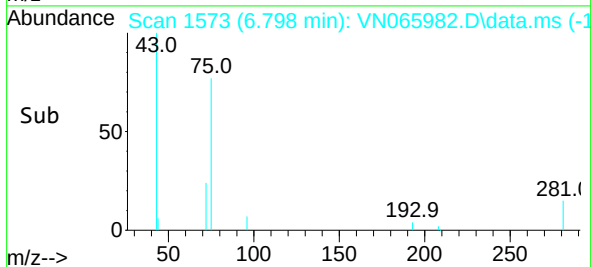
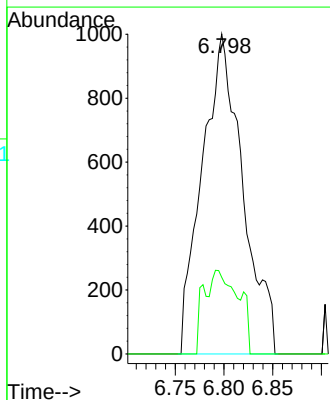
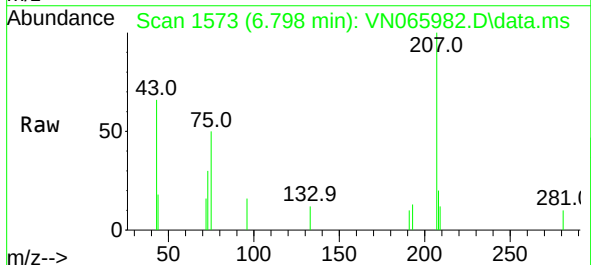


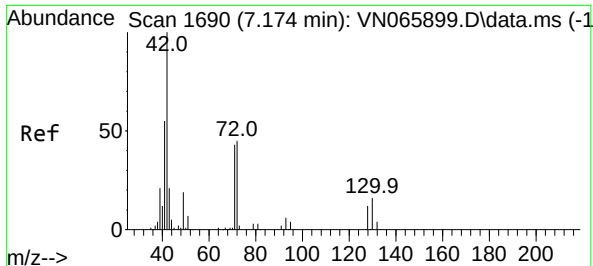
Tgt Ion:	84	Resp:	8193
Ion	Ratio	Lower	Upper
84	100		
49	100.1	94.6	141.8
51	36.9	29.9	44.9
86	66.2	51.4	77.2



#25
2-Butanone
Concen: 2.87 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion:	43	Resp:	2906
Ion	Ratio	Lower	Upper
43	100		
72	24.0	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.49 ug/l

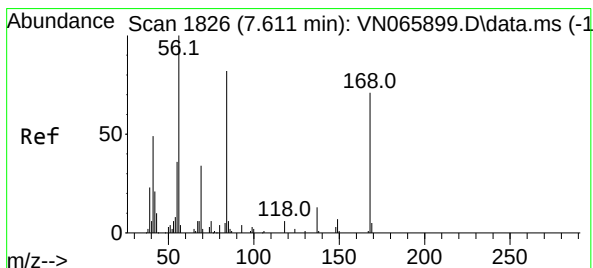
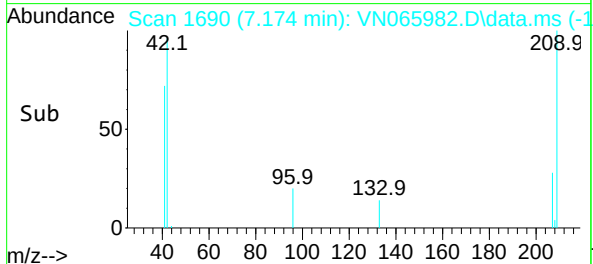
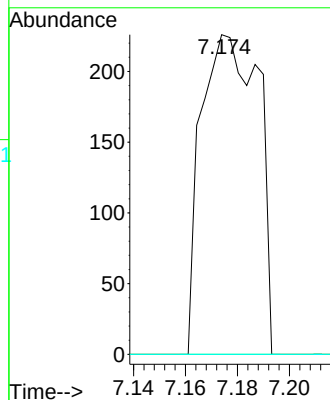
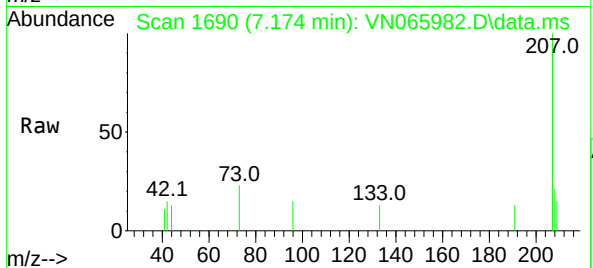
RT: 7.174 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN065982.D

Acq: 23 Feb 2021 13:41

Tgt Ion: 42	Resp: 345
Ion Ratio	Lower Upper
42 100	
72 0.0	36.6 55.0#
71 0.0	34.3 51.5#



#31

Cyclohexane

Concen: 0.93 ug/l

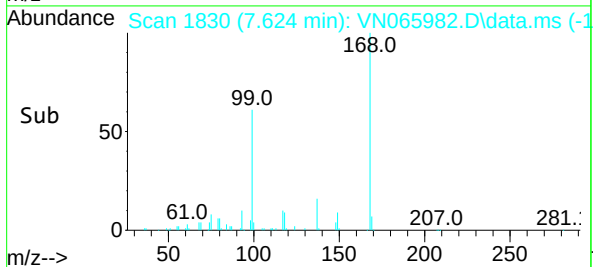
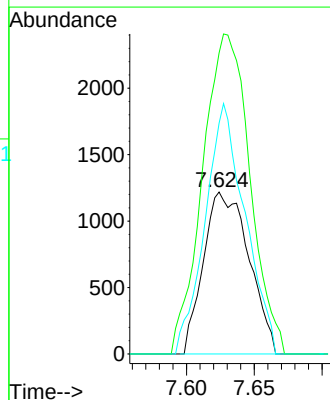
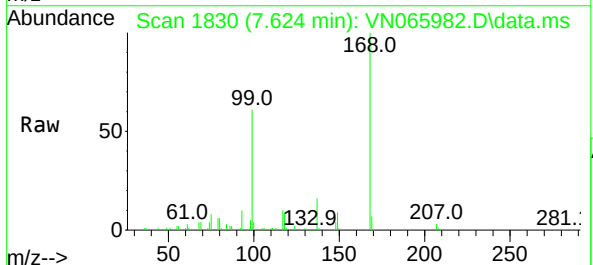
RT: 7.624 min Scan# 1830

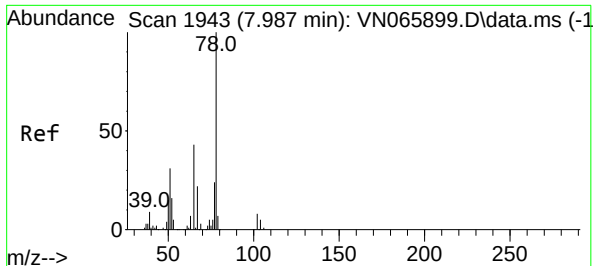
Delta R.T. 0.013 min

Lab File: VN065982.D

Acq: 23 Feb 2021 13:41

Tgt Ion: 56	Resp: 2841		
Ion Ratio	Lower	Upper	
56	100		
69	172.1	26.6	39.8#
84	142.5	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 45.55 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. 0.004 min

Lab File: VN065982.D

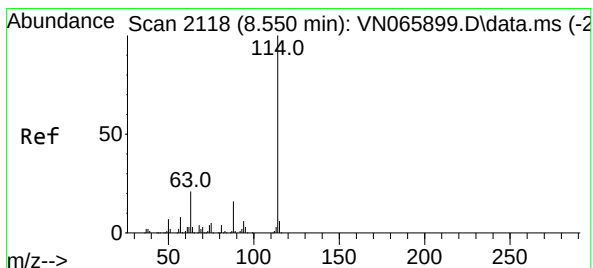
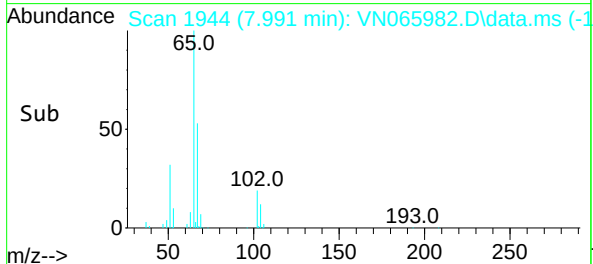
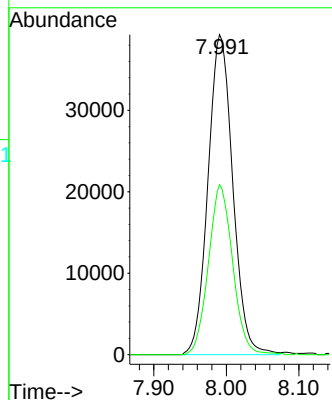
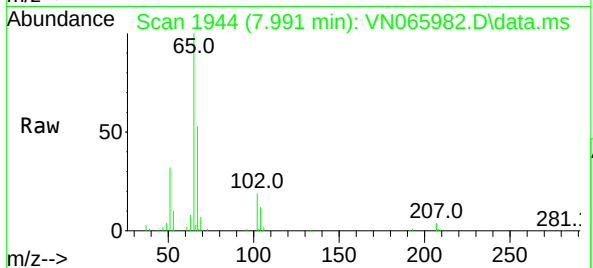
Acq: 23 Feb 2021 13:41

Tgt Ion: 65 Resp: 93274

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VN065982.D

Acq: 23 Feb 2021 13:41

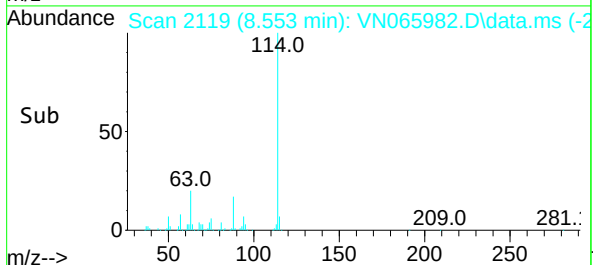
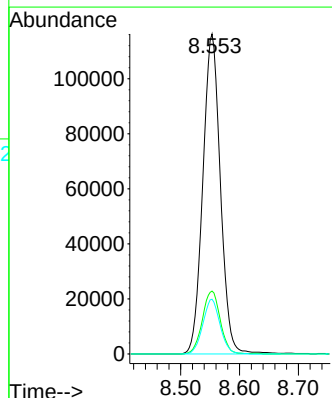
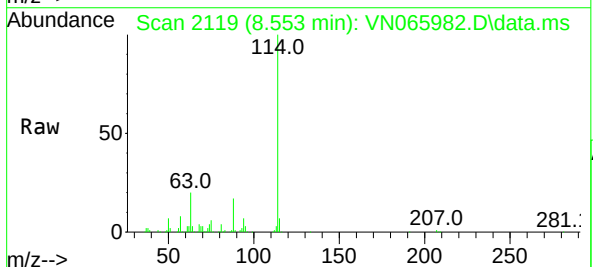
Tgt Ion: 114 Resp: 240747

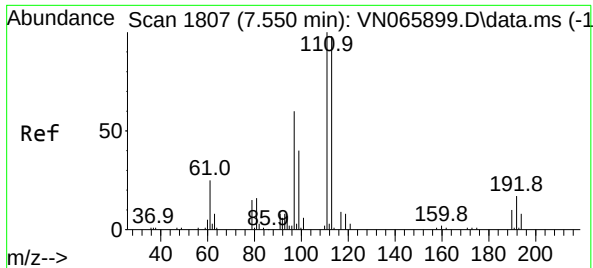
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 17.1 0.0 30.6

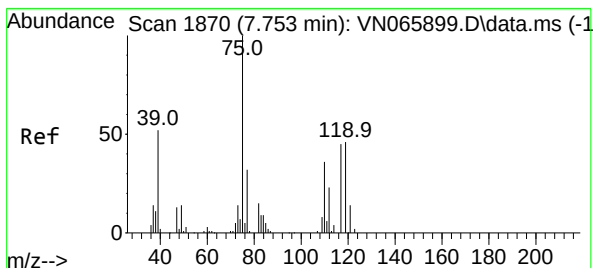
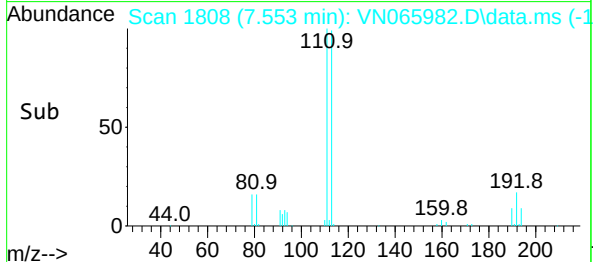
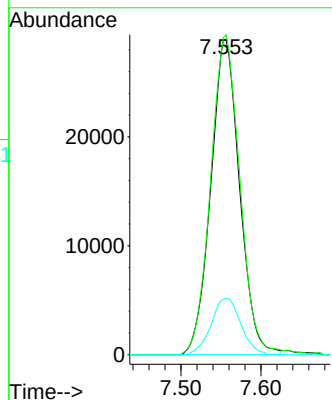
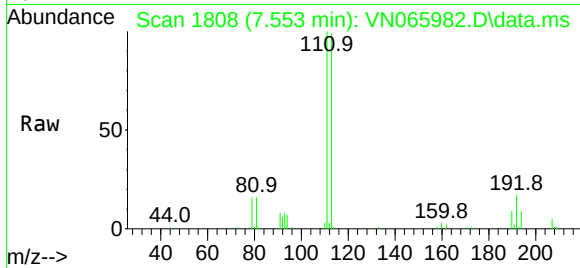




#35
Dibromofluoromethane
Concen: 48.48 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

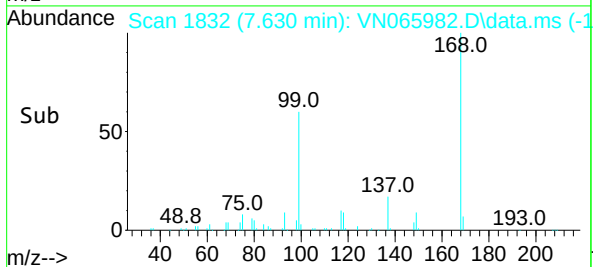
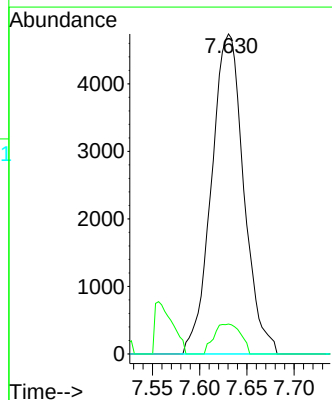
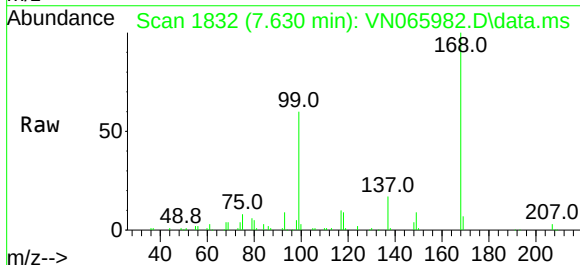
Instrument :
MSVOA_N
ClientSampled :

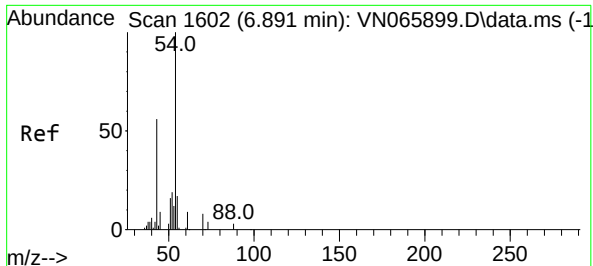
Tgt Ion:113 Resp: 72231
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 18.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 75 Resp: 11260
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.36 ug/l

RT: 6.798 min Scan# 1573

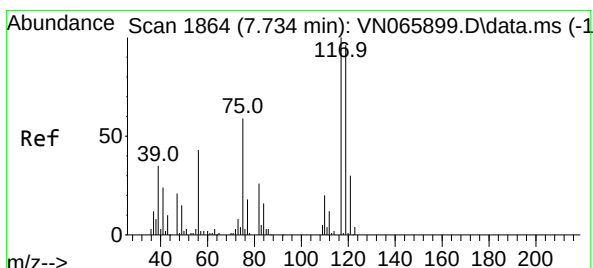
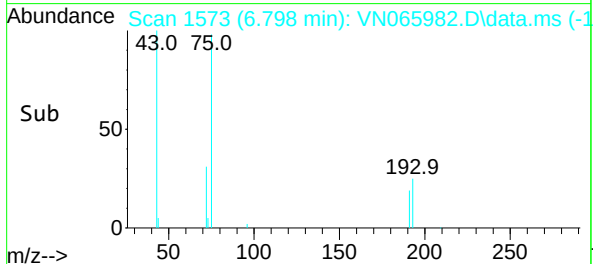
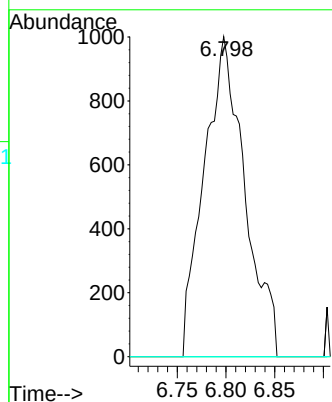
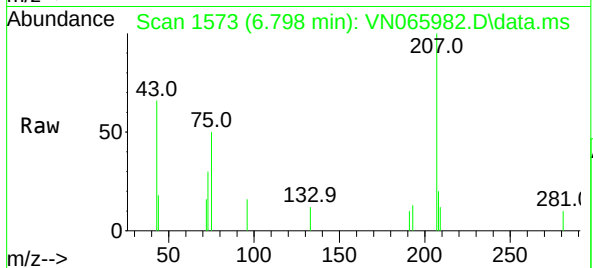
Delta R.T. -0.093 min

Lab File: VN065982.D

Acq: 23 Feb 2021 13:41

Tgt Ion:	43	Resp:	2906
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.63 ug/l

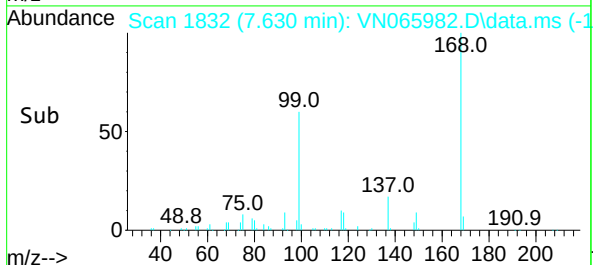
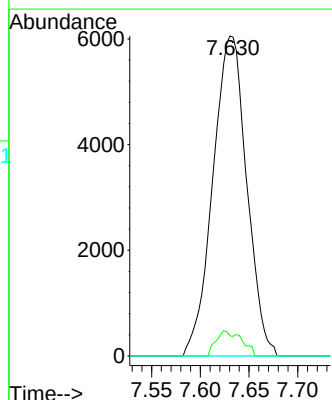
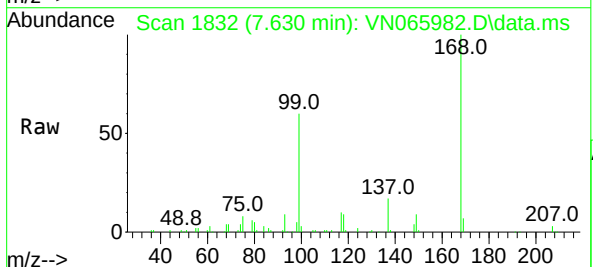
RT: 7.630 min Scan# 1832

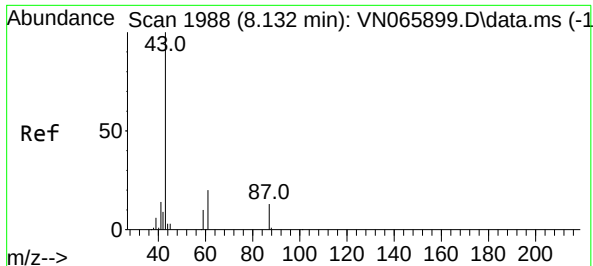
Delta R.T. -0.104 min

Lab File: VN065982.D

Acq: 23 Feb 2021 13:41

Tgt Ion:	117	Resp:	14631
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.0	114.0#
121	0.0	24.5	36.7#



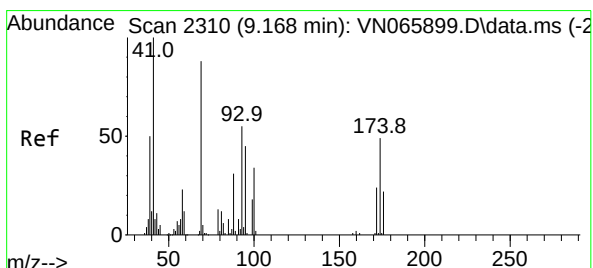
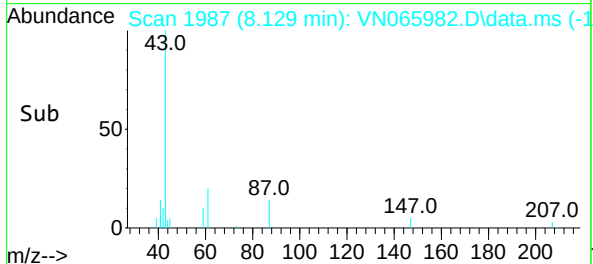
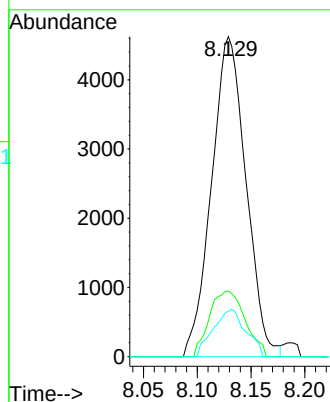
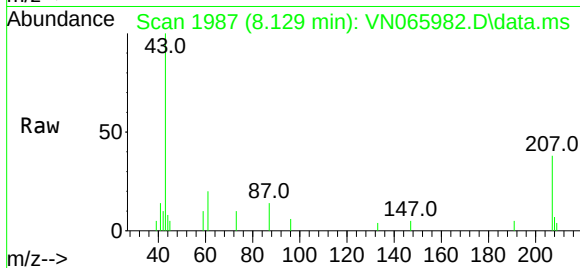


#43

Isopropyl Acetate
Concen: 3.02 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Instrument :
MSVOA_N
ClientSampled :

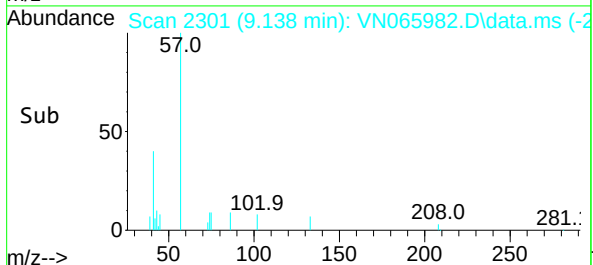
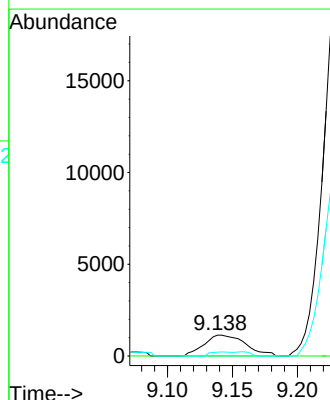
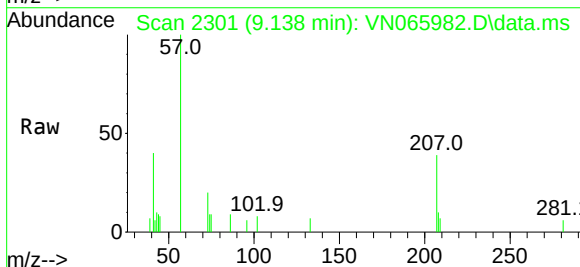
Tgt Ion: 43 Resp: 10310
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 13.9 11.1 16.7

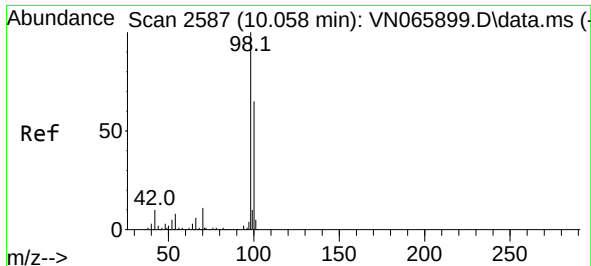


#48

Methyl methacrylate
Concen: 1.46 ug/l
RT: 9.138 min Scan# 2301
Delta R.T. -0.030 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 41 Resp: 2525
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

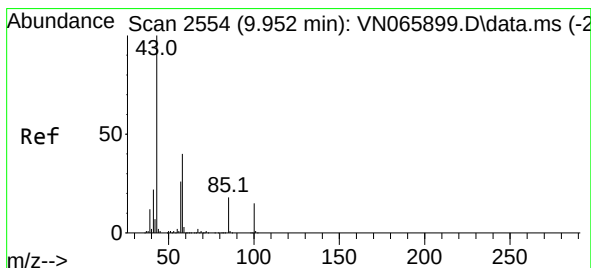
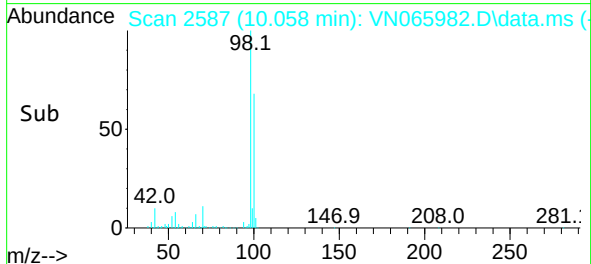
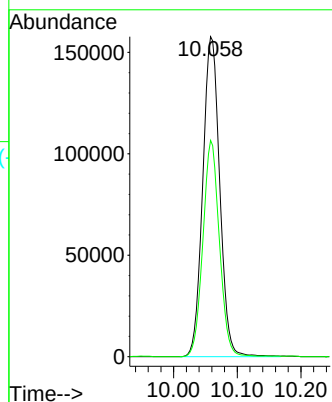
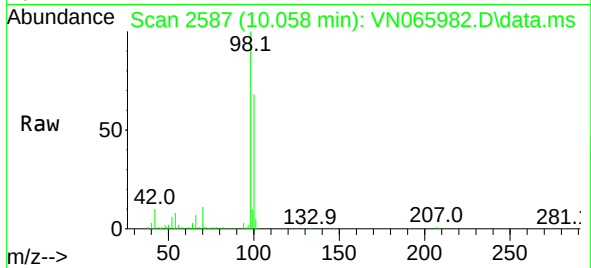




#50
Toluene-d8
Concen: 47.81 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

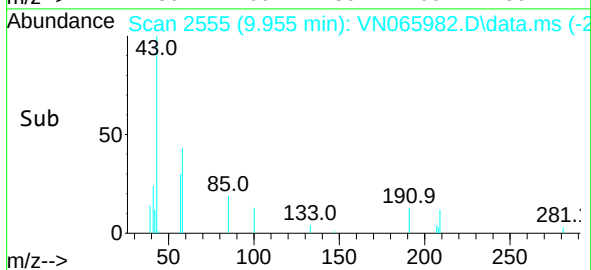
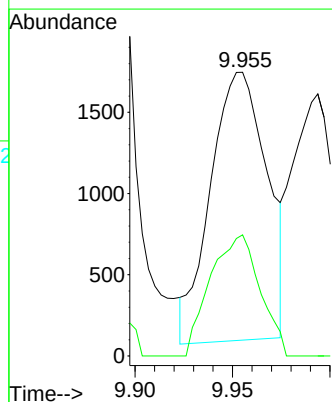
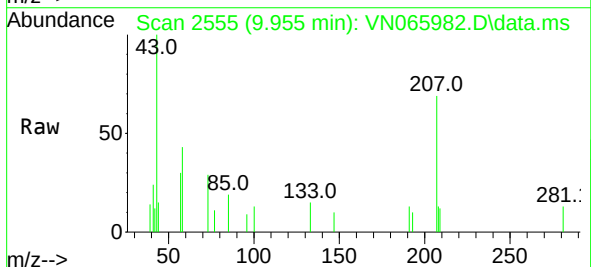
Instrument :
MSVOA_N
ClientSampled :

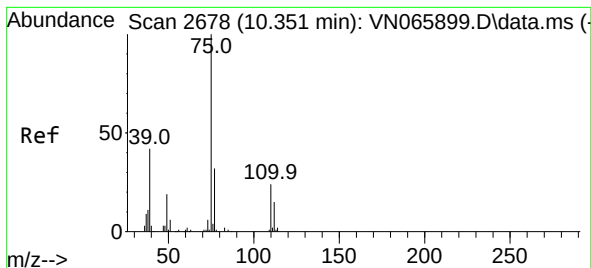
Tgt Ion: 98 Resp: 292420
Ion Ratio Lower Upper
98 100
100 65.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.60 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
58 39.9 32.5 48.7

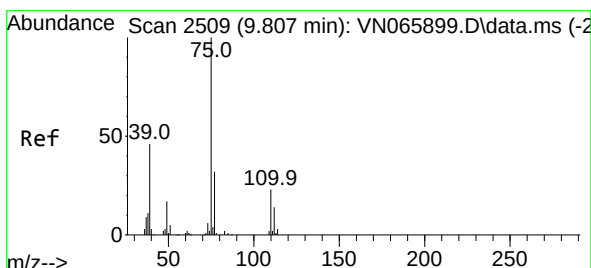
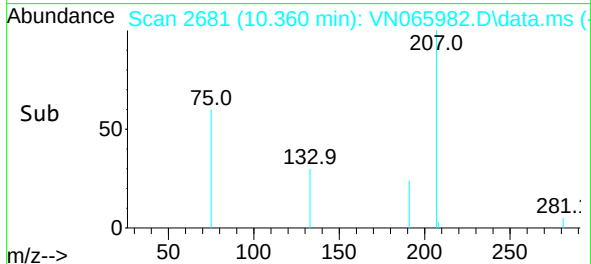
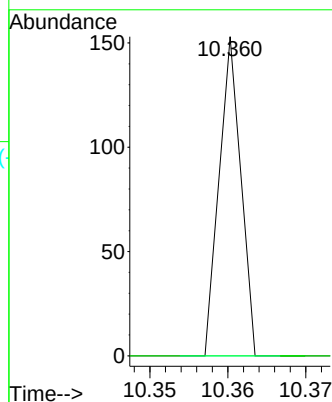
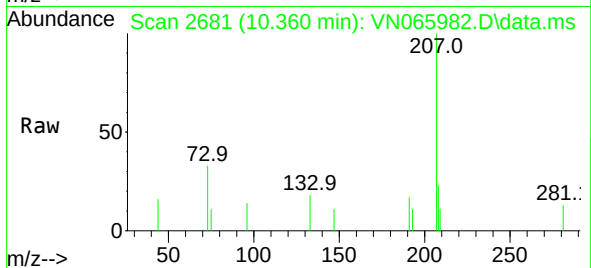




#53
t-1,3-Dichloropropene
Concen: 1.99 ug/l
RT: 10.360 min Scan# 2681
Delta R.T. 0.009 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

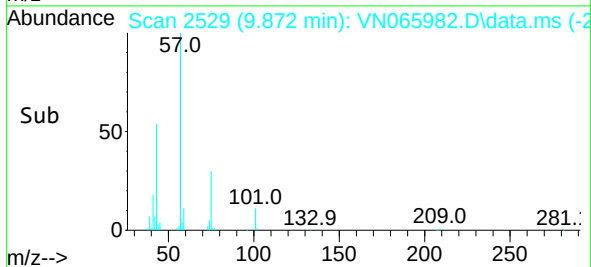
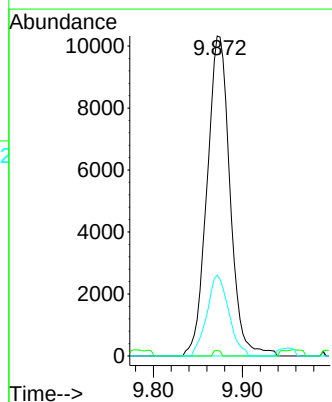
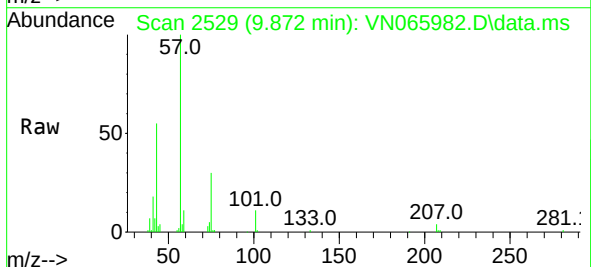
Instrument :
MSVOA_N
ClientSampled :

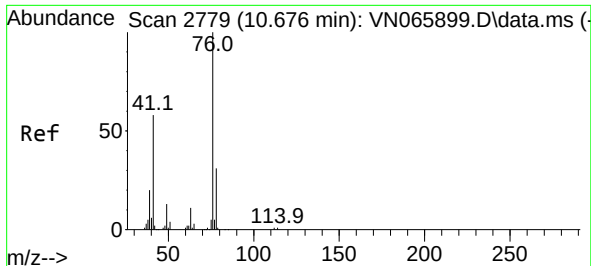
Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#54
cis-1,3-Dichloropropene
Concen: 6.42 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 75 Resp: 18412
Ion Ratio Lower Upper
75 100
77 1.7 24.9 37.3#
39 25.2 36.2 54.4#

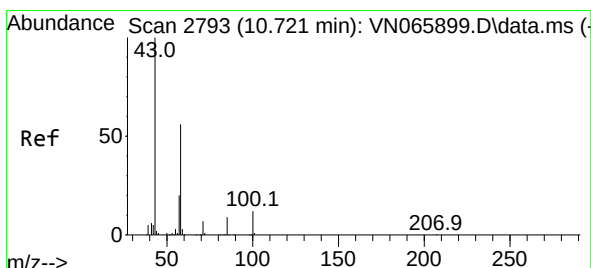
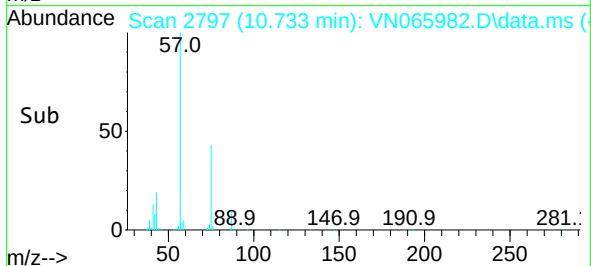
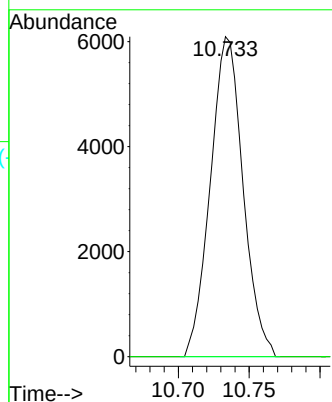
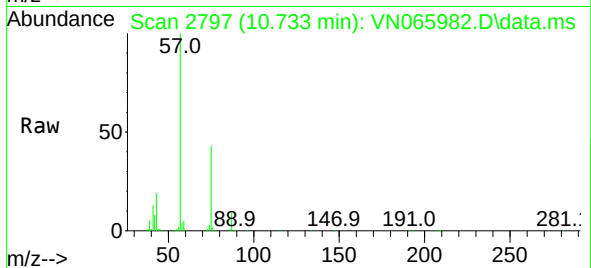




#57
1,3-Dichloropropane
Concen: 3.31 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

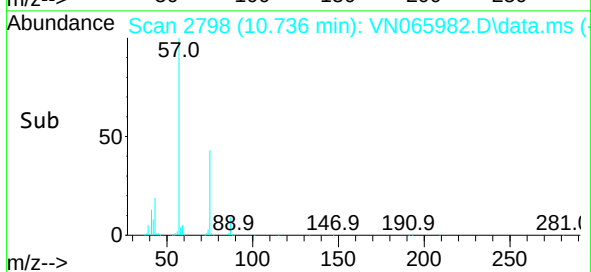
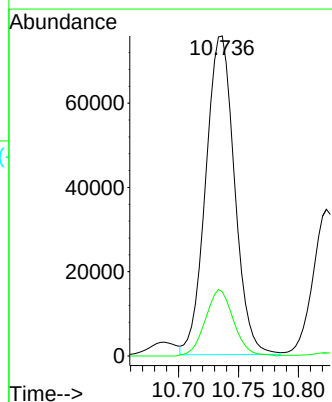
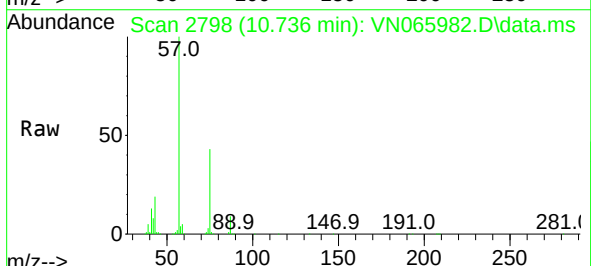
Instrument :
MSVOA_N
ClientSampled :

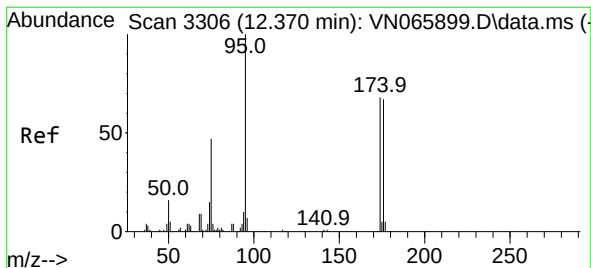
Tgt Ion: 76 Resp: 9770
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 85.38 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.015 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 43 Resp: 126433
Ion Ratio Lower Upper
43 100
58 20.4 28.1 84.3#

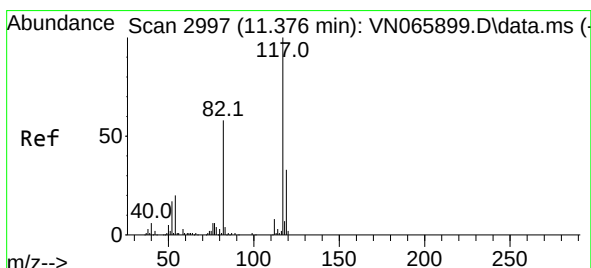
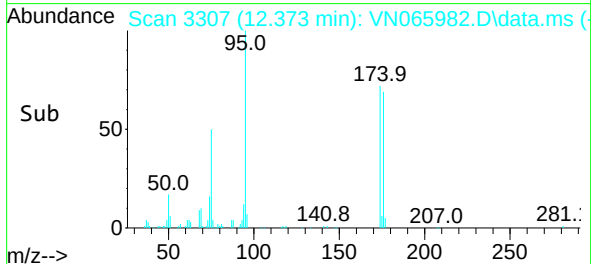
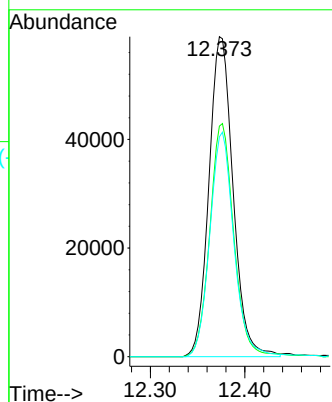
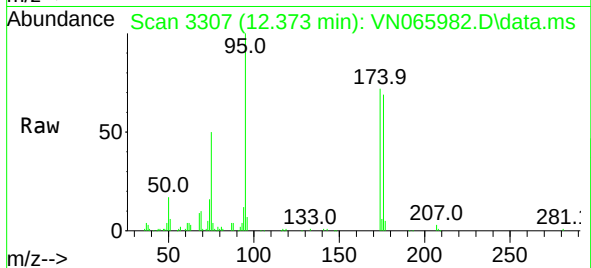




#62
4-Bromofluorobenzene
Concen: 45.49 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

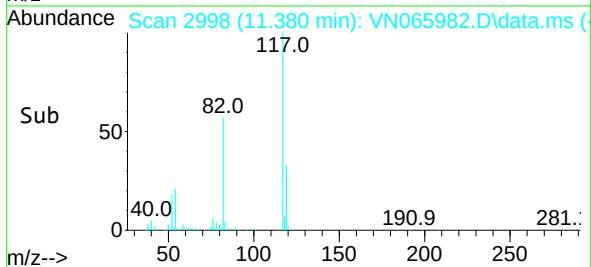
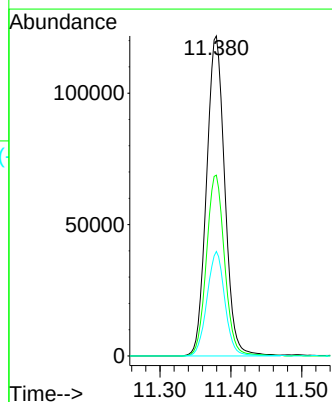
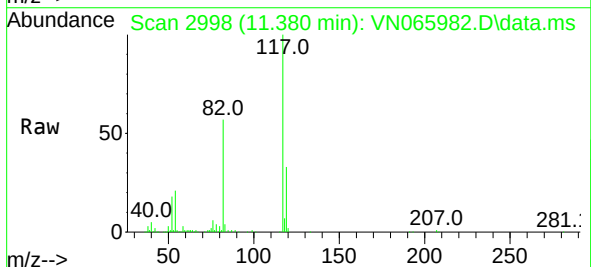
Instrument :
MSVOA_N
ClientSampled :

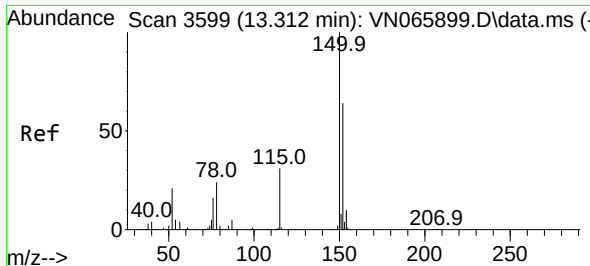
Tgt Ion: 95 Resp: 104447
Ion Ratio Lower Upper
95 100
174 72.7 0.0 169.0
176 70.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 117 Resp: 217783
Ion Ratio Lower Upper
117 100
82 56.5 43.7 65.5
119 32.6 26.1 39.1

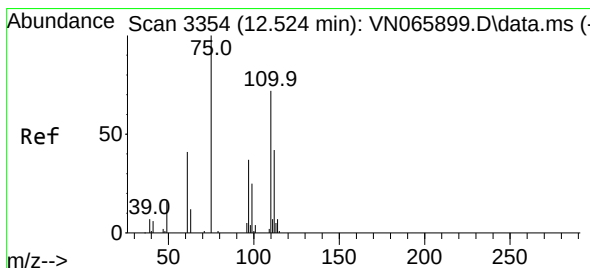
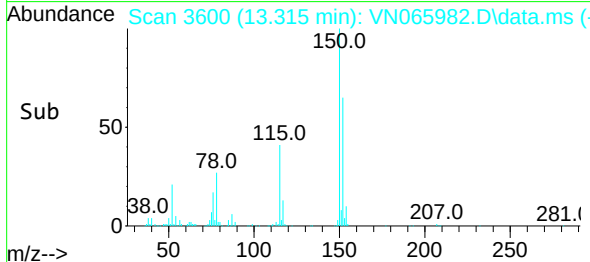
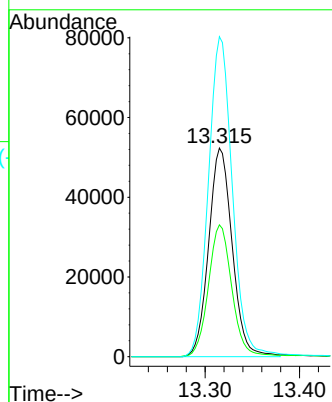
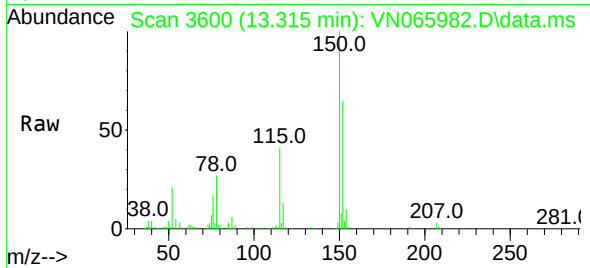




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

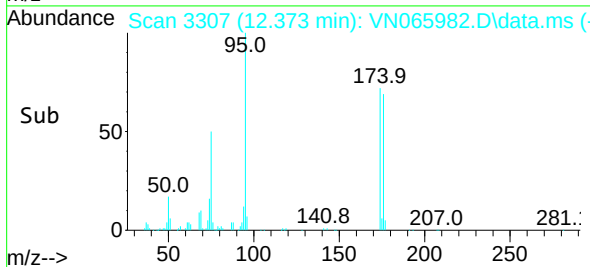
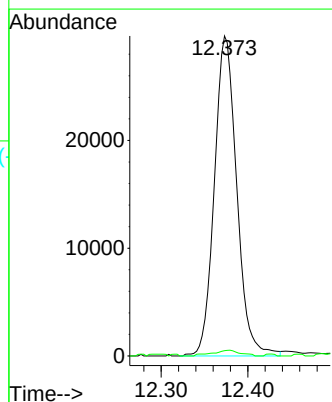
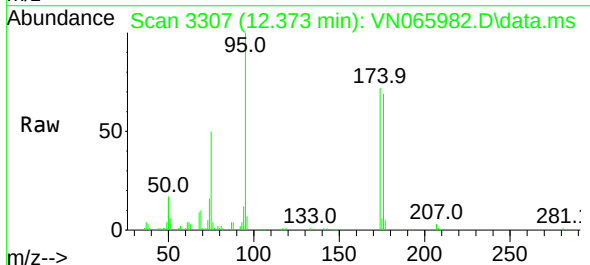
Instrument :
MSVOA_N
ClientSampled :

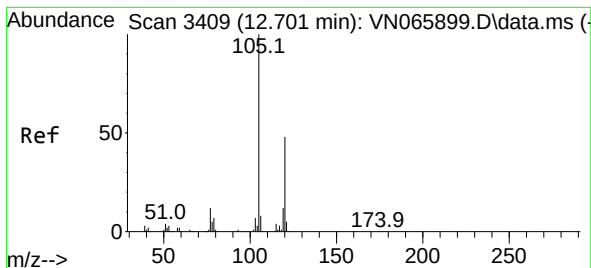
Tgt Ion:152 Resp: 90794
Ion Ratio Lower Upper
152 100
115 63.0 28.5 85.6
150 157.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 24.46 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion: 75 Resp: 53351
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.40 ug/l

RT: 12.704 min Scan# 3410

Delta R.T. 0.003 min

Lab File: VN065982.D

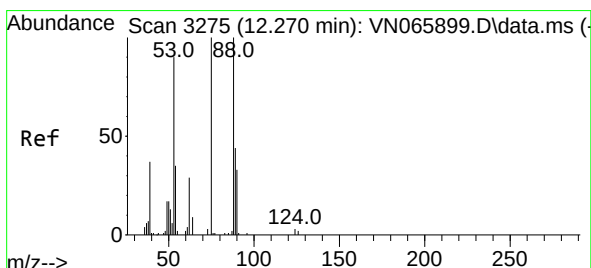
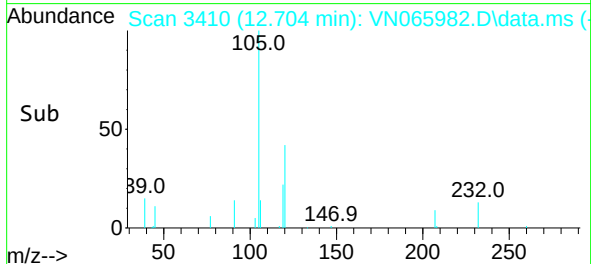
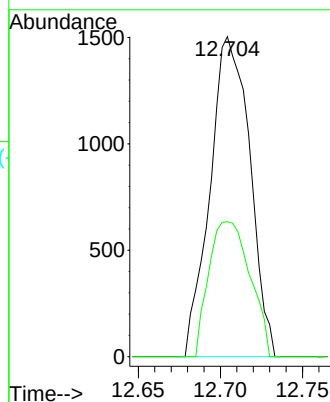
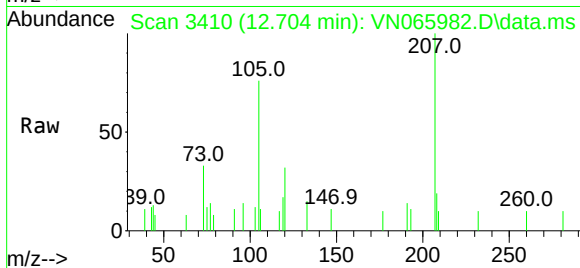
Acq: 23 Feb 2021 13:41

Tgt Ion:105 Resp: 2531

Ion Ratio Lower Upper

105 100

120 43.8 24.3 72.8



#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: VN065982.D

Acq: 23 Feb 2021 13:41

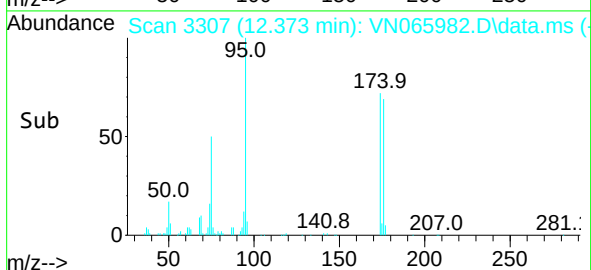
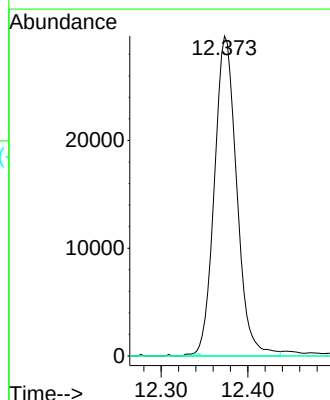
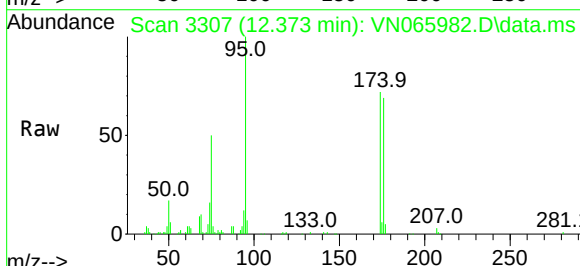
Tgt Ion: 75 Resp: 53351

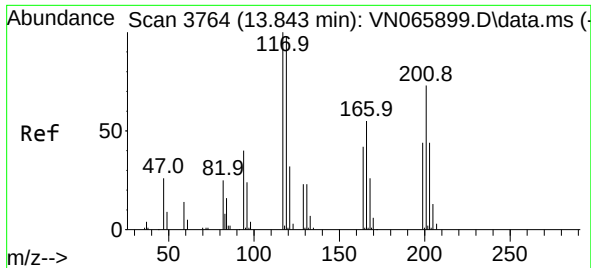
Ion Ratio Lower Upper

75 100

53 0.0 74.6 111.8#

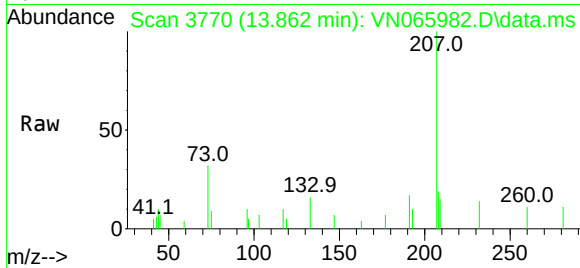
89 0.0 35.8 53.8#



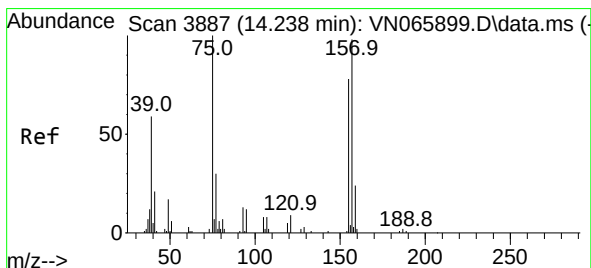
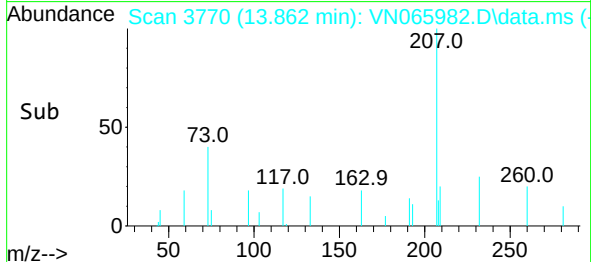
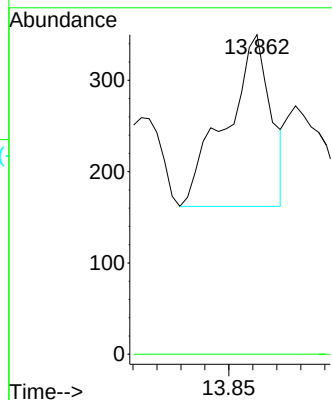


#90
Hexachloroethane
Concen: 0.24 ug/l
RT: 13.862 min Scan# 3770
Delta R.T. 0.019 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

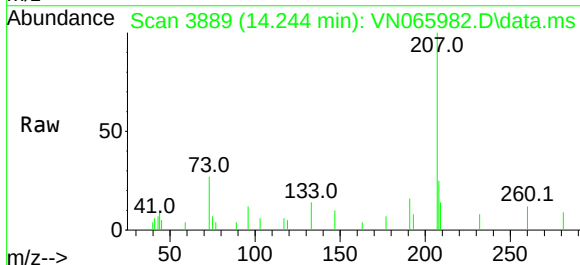
Instrument :
MSVOA_N
ClientSampled :



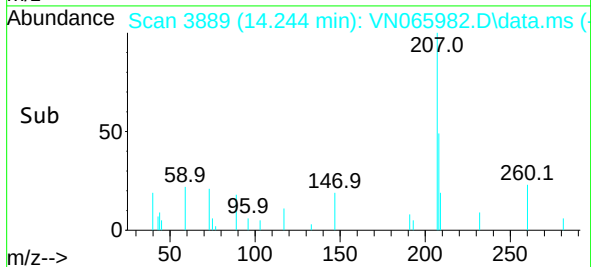
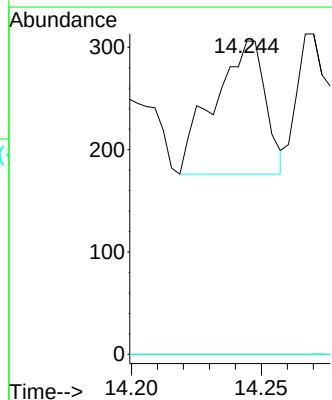
Tgt Ion:117 Resp: 244
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

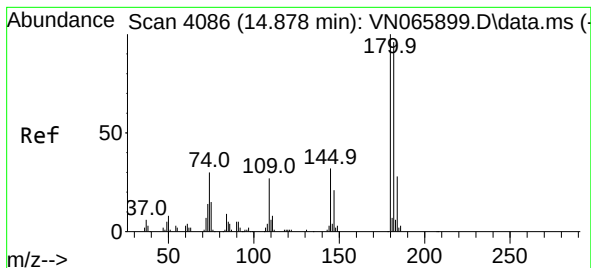


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.26 ug/l
RT: 14.244 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41



Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

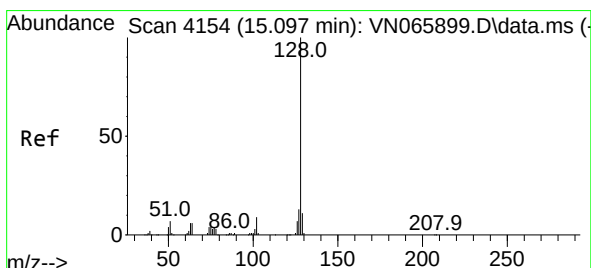
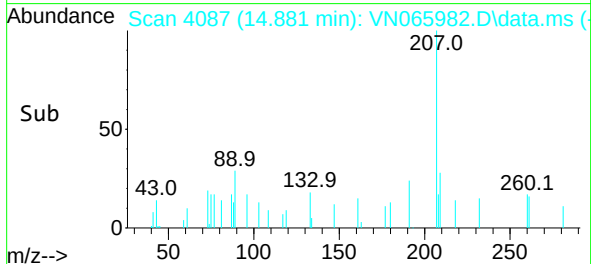
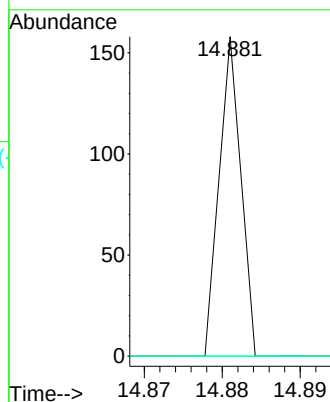
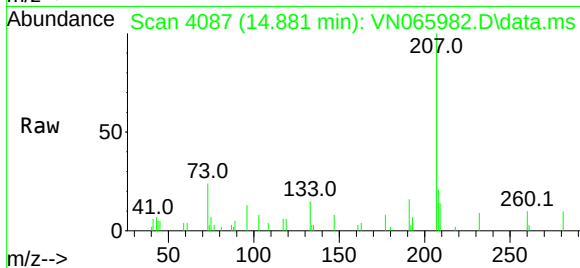




#93
1,2,4-Trichlorobenzene
Concen: 2.48 ug/l
RT: 14.881 min Scan# 4087
Delta R.T. 0.003 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:180 Resp: 30
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 3.13 ug/l
RT: 15.096 min Scan# 4154
Delta R.T. -0.001 min
Lab File: VN065982.D
Acq: 23 Feb 2021 13:41

Tgt Ion:128 Resp: 424
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

