

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065970.D
 Acq On : 22 Feb 2021 19:18
 Operator : JC/MD
 Sample : M1452-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 00:12:57 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)

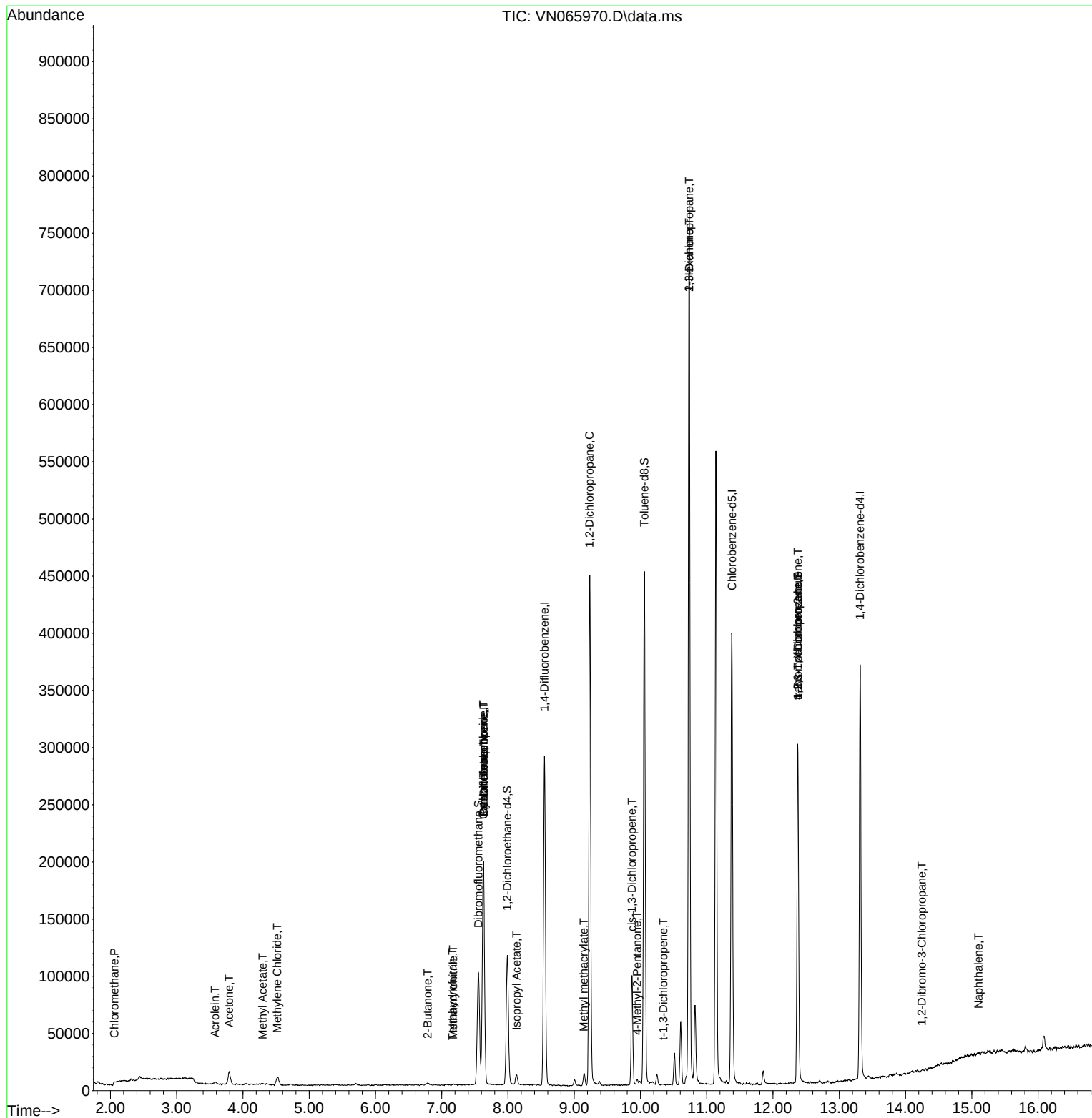
Internal Standards						
1) Pentafluorobenzene	7.630	168	157694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	264756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	241732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	102883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	102446	46.46	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.92%		
35) Dibromofluoromethane	7.553	113	77208	47.12	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.24%		
50) Toluene-d8	10.058	98	321522	47.80	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.60%		
62) 4-Bromofluorobenzene	12.373	95	119408	47.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.58%		
Target Compounds					Qvalue	
3) Chloromethane	2.058	50	1324	0.51	ug/l #	87
13) Acrolein	3.579	56	2503	8.92	ug/l	96
16) Acetone	3.788	43	19631	26.91	ug/l	97
18) Methyl Acetate	4.296	43	1729	0.95	ug/l	92
20) Methylene Chloride	4.518	84	5584	2.73	ug/l	95
25) 2-Butanone	6.788	43	832	0.76	ug/l	98
29) Tetrahydrofuran	7.161	42	210	0.28	ug/l #	32
31) Cyclohexane	7.630	56	2890	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	12651	4.85	ug/l #	48
38) Carbon Tetrachloride	7.627	117	16504	6.80	ug/l #	16
41) Methacrylonitrile	7.174	41	229	0.20	ug/l #	100
43) Isopropyl Acetate	8.129	43	10378	2.76	ug/l #	91
45) 1,2-Dichloropropane	9.232	63	470	0.23	ug/l #	44
48) Methyl methacrylate	9.142	41	2419	1.27	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	3139	1.37	ug/l	95
53) t-1,3-Dichloropropene	10.344	75	226	2.05	ug/l #	42
54) cis-1,3-Dichloropropene	9.871	75	19271	6.11	ug/l #	58
57) 1,3-Dichloropropane	10.733	76	8415	2.59	ug/l #	43
59) 2-Hexanone	10.733	43	112048	68.81	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	57668	23.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	57668	74.36	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.248	75	135	1.12	ug/l #	1
95) Naphthalene	15.100	128	371	3.12	ug/l #	69

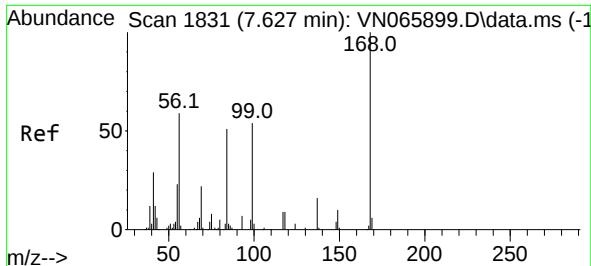
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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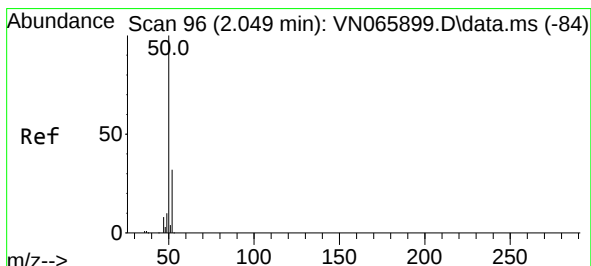
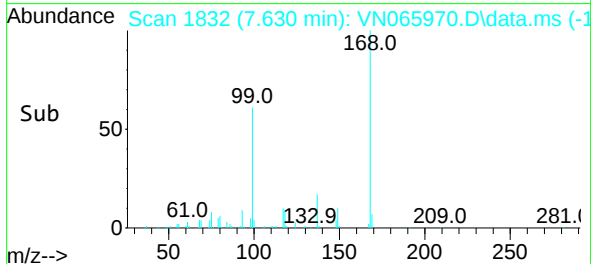
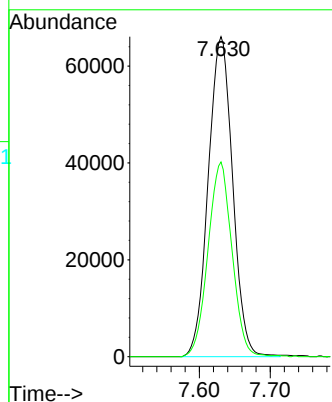
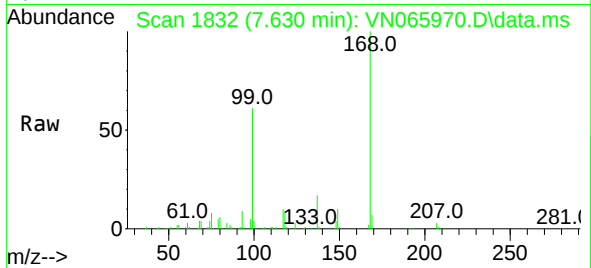




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

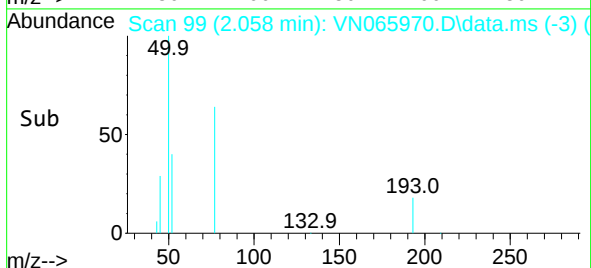
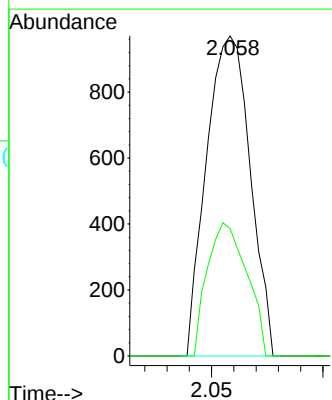
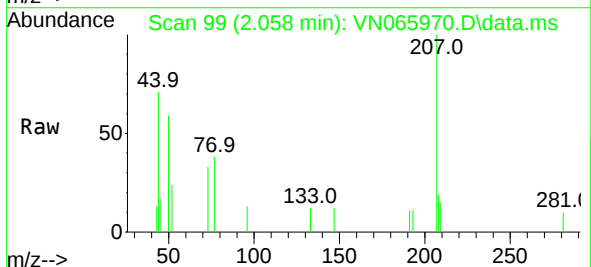
Instrument :
MSVOA_N
ClientSampleId :

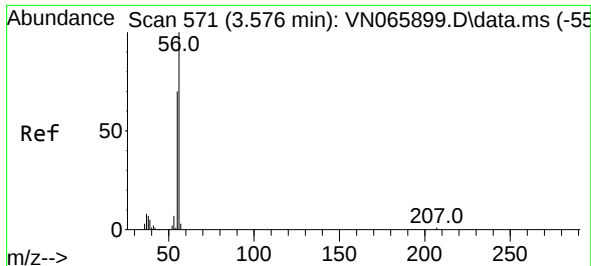
Tgt Ion:168 Resp: 157694
Ion Ratio Lower Upper
168 100
99 60.8 42.6 63.8



#3
Chloromethane
Concen: 0.51 ug/l
RT: 2.058 min Scan# 99
Delta R.T. 0.009 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 50 Resp: 1324
Ion Ratio Lower Upper
50 100
52 39.8 25.8 38.8#

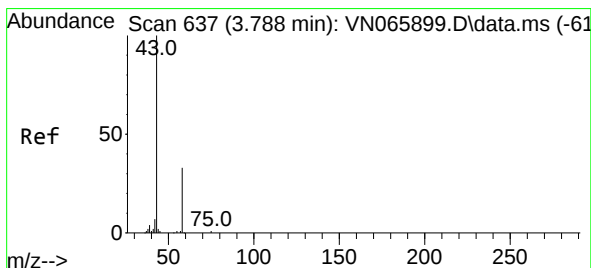
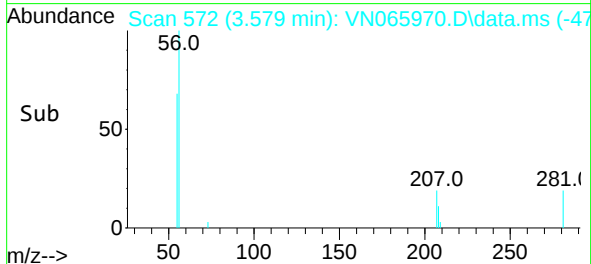
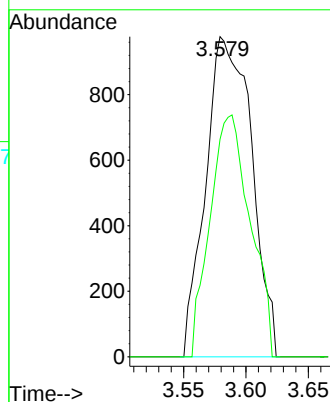
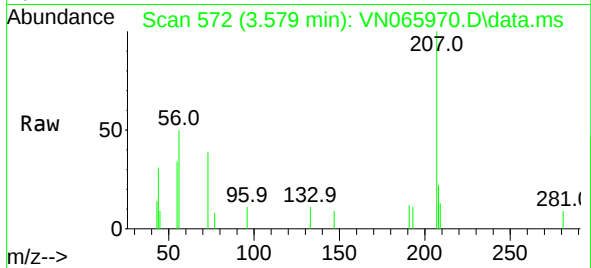




#13
Acrolein
Concen: 8.92 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

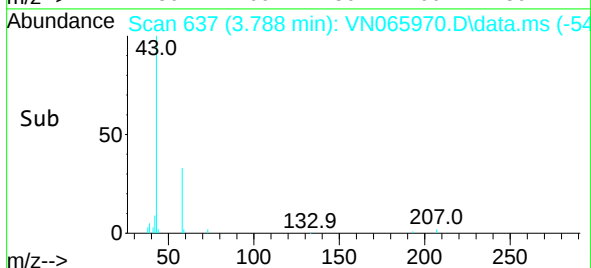
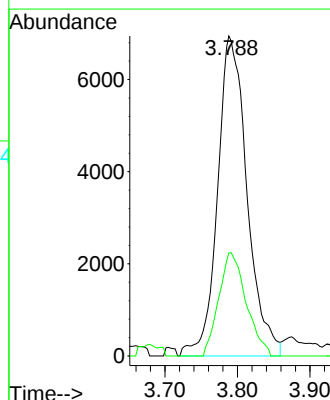
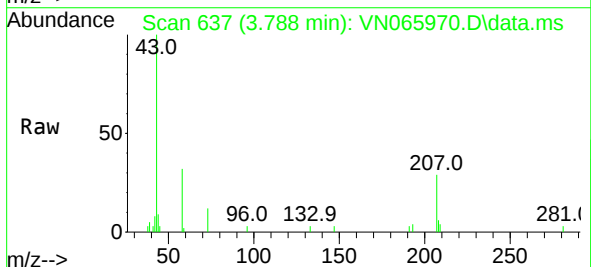
Instrument :
MSVOA_N
ClientSampled :

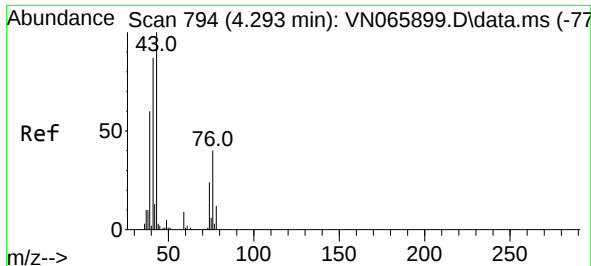
Tgt Ion: 56 Resp: 2503
Ion Ratio Lower Upper
56 100
55 66.4 56.0 84.0



#16
Acetone
Concen: 26.91 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.000 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 43 Resp: 19631
Ion Ratio Lower Upper
43 100
58 32.2 27.0 40.6

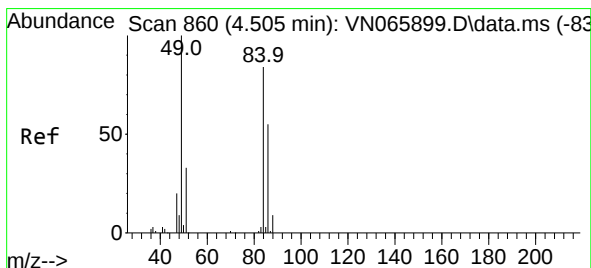
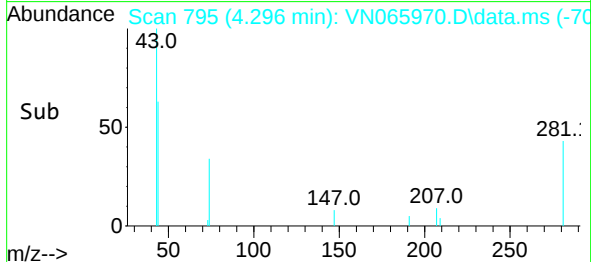
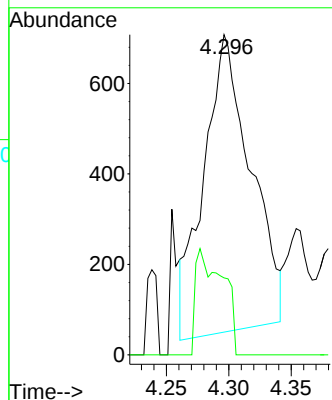
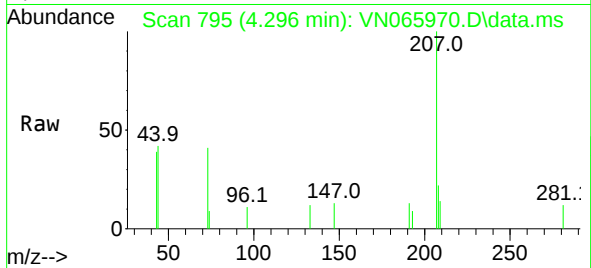




#18
Methyl Acetate
Concen: 0.95 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

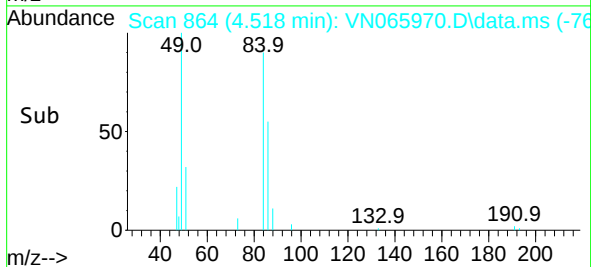
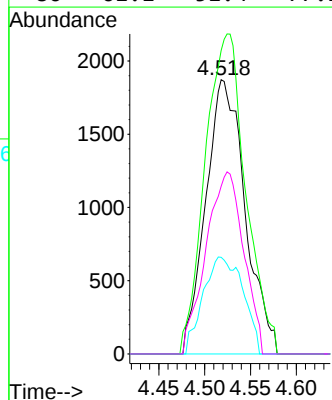
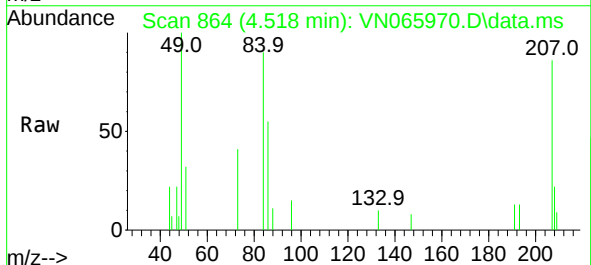
Instrument :
MSVOA_N
ClientSampleId :

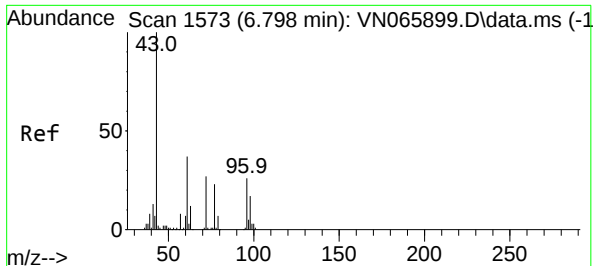
Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
74 20.5 19.5 29.3



#20
Methylene Chloride
Concen: 2.73 ug/l
RT: 4.518 min Scan# 864
Delta R.T. 0.013 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 84 Resp: 5584
Ion Ratio Lower Upper
84 100
49 110.6 94.6 141.8
51 35.2 29.9 44.9
86 61.1 51.4 77.2

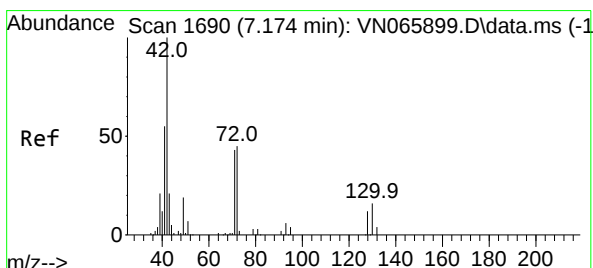
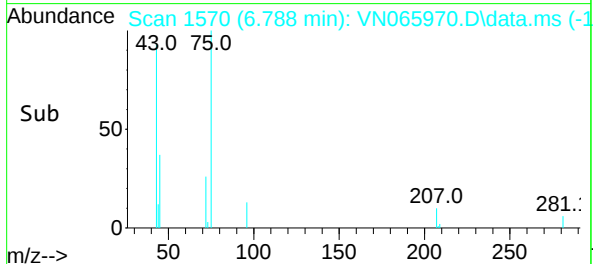
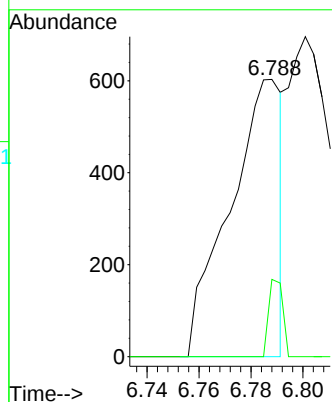
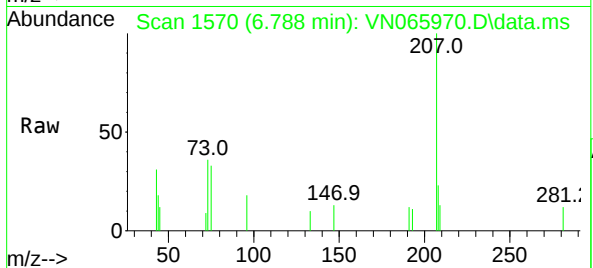




#25
2-Butanone
Concen: 0.76 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. -0.010 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

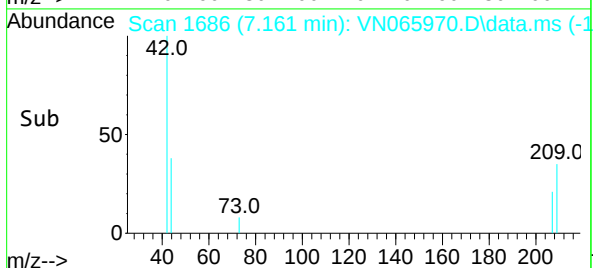
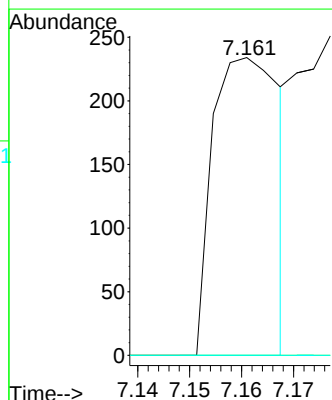
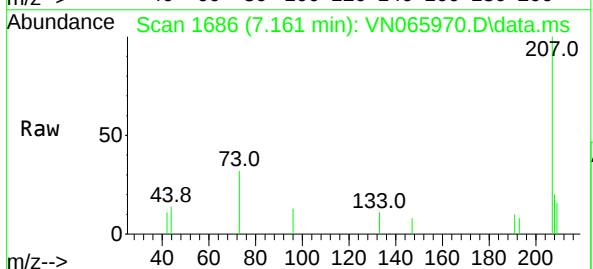
Instrument :
MSVOA_N
ClientSampled :

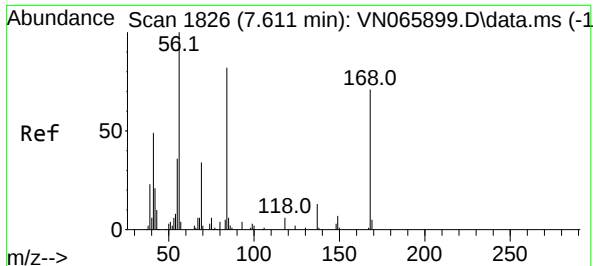
Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
72 27.9 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 7.161 min Scan# 1686
Delta R.T. -0.013 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 42 Resp: 210
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

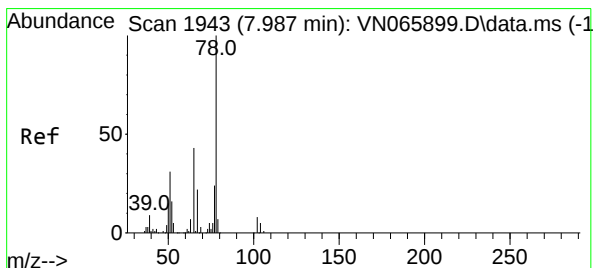
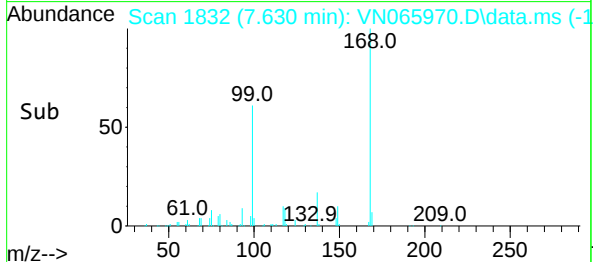
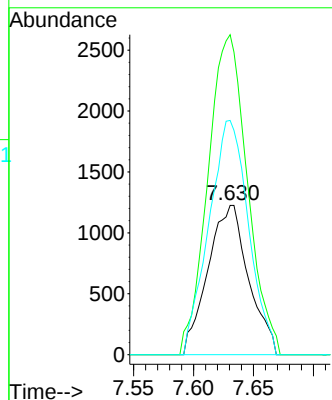
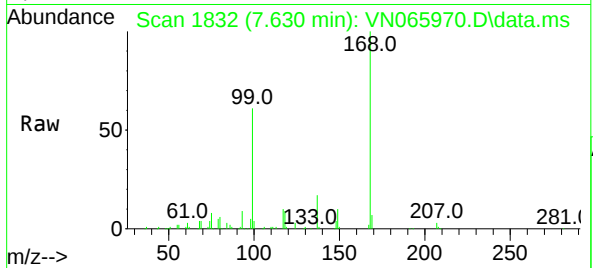




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

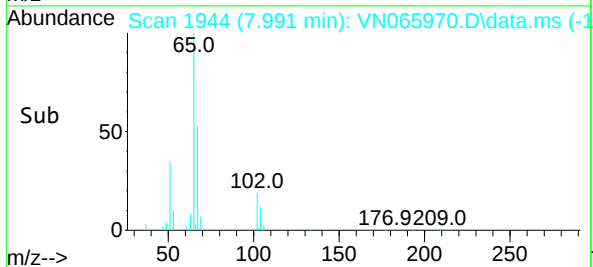
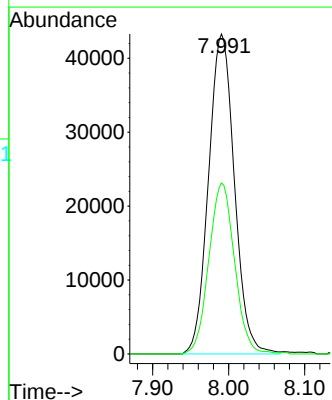
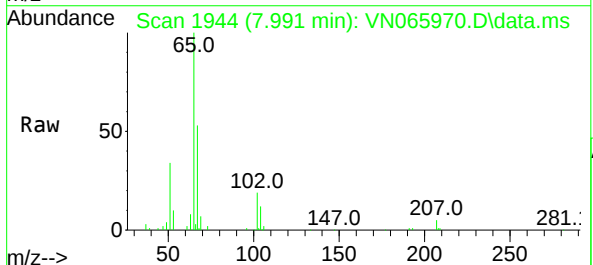
Instrument :
MSVOA_N
ClientSampled :

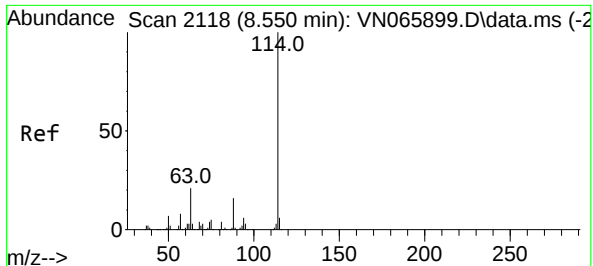
Tgt Ion: 56 Resp: 2890
Ion Ratio Lower Upper
56 100
69 214.3 26.6 39.8#
84 156.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 46.46 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 65 Resp: 102446
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2



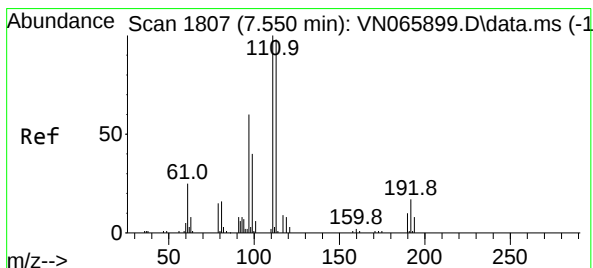
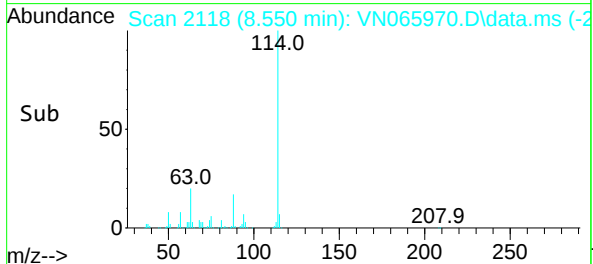
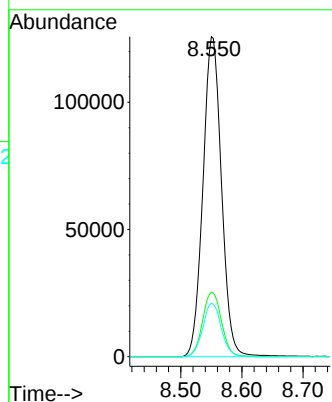
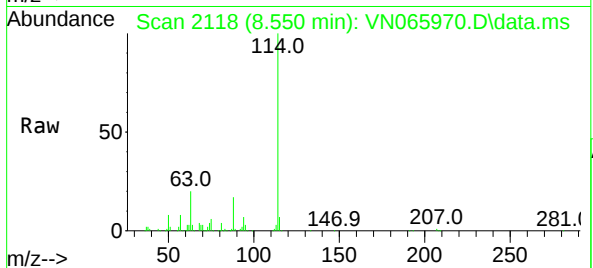


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Instrument :
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ClientSampleId :

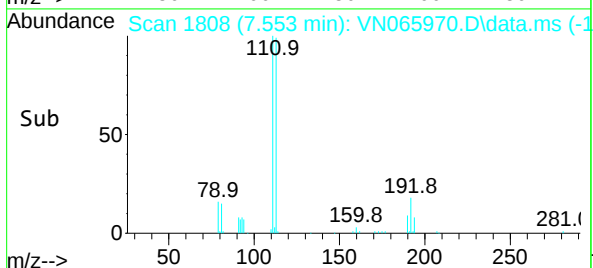
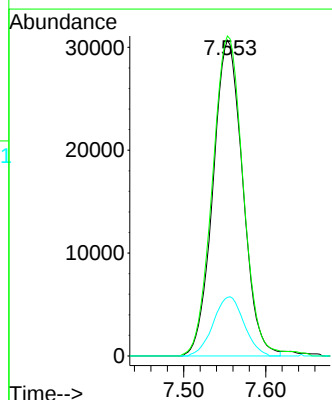
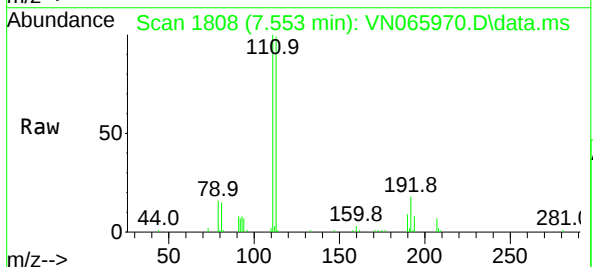
Tgt Ion:114 Resp: 264756
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.6
88 16.7 0.0 30.6

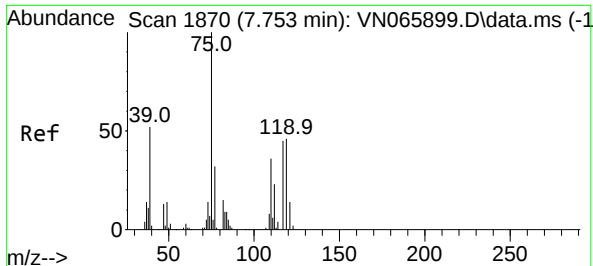


#35

Dibromofluoromethane
Concen: 47.12 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion:113 Resp: 77208
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.2
192 19.4 15.4 23.0



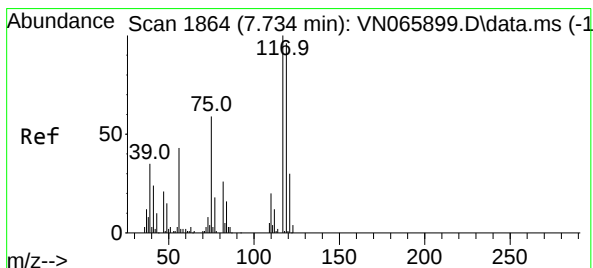
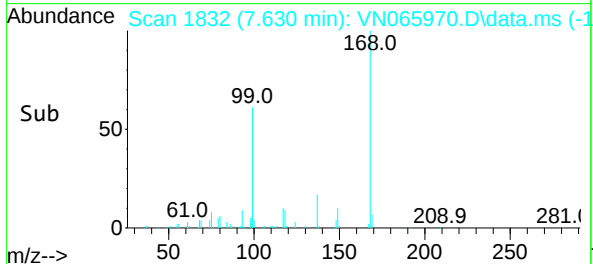
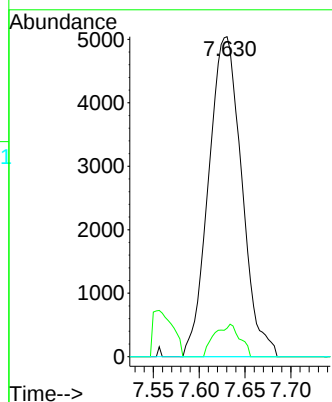
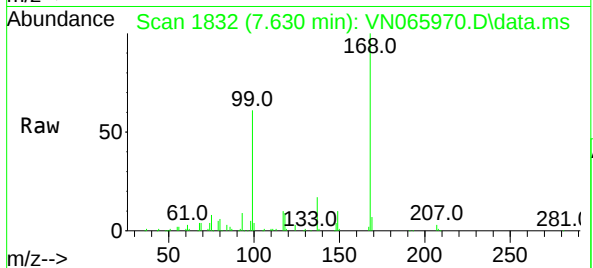


#36

1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Instrument :
MSVOA_N
ClientSampled :

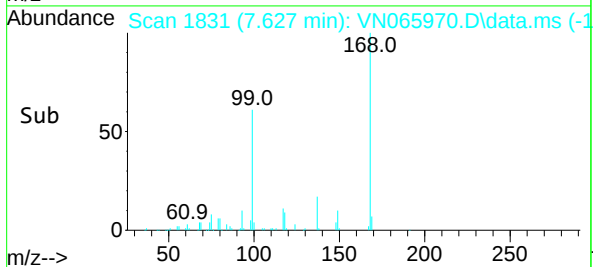
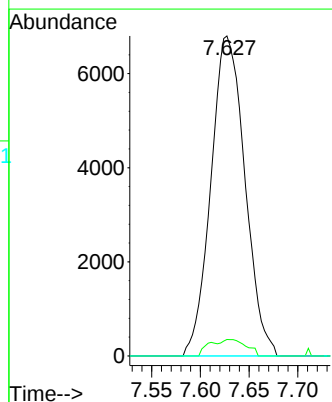
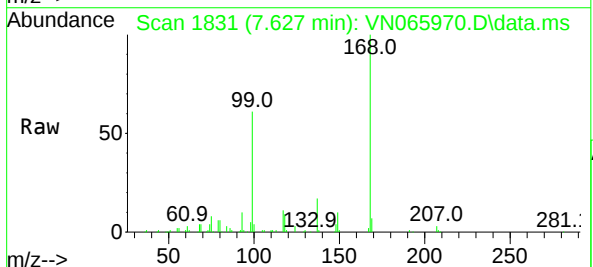
Tgt Ion: 75 Resp: 12651
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#

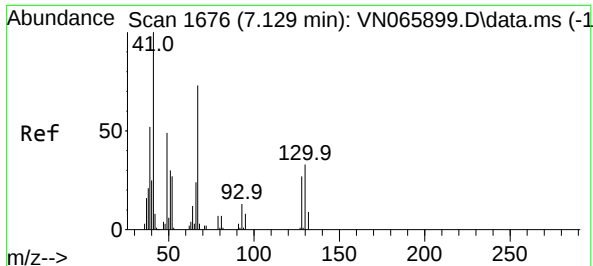


#38

Carbon Tetrachloride
Concen: 6.80 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

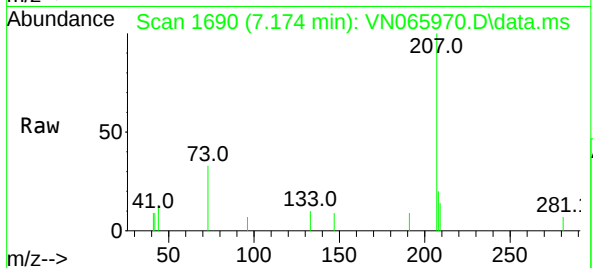
Tgt Ion: 117 Resp: 16504
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.5 36.7#



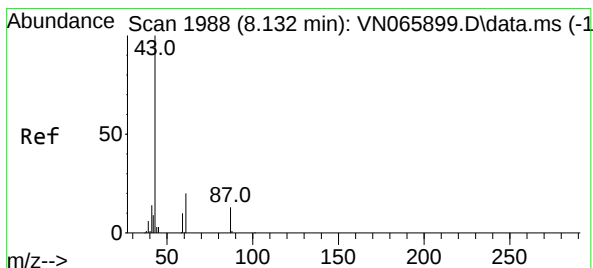
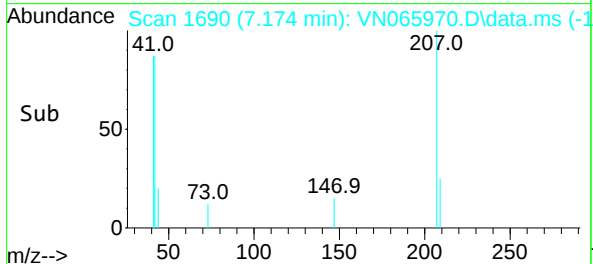
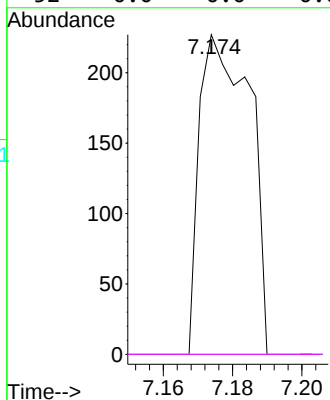


#41
Methacrylonitrile
Concen: 0.20 ug/l
RT: 7.174 min Scan# 1690
Delta R.T. 0.045 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

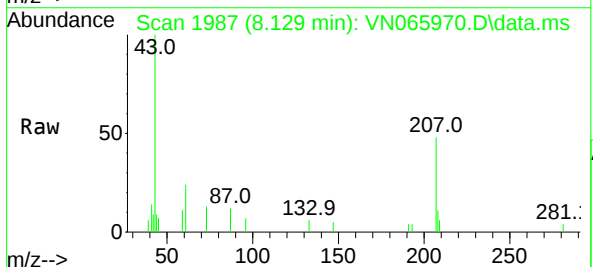
Instrument :
MSVOA_N
ClientSampled :



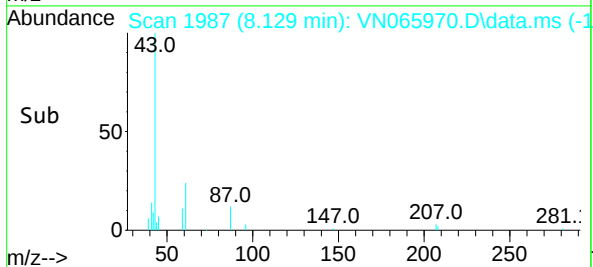
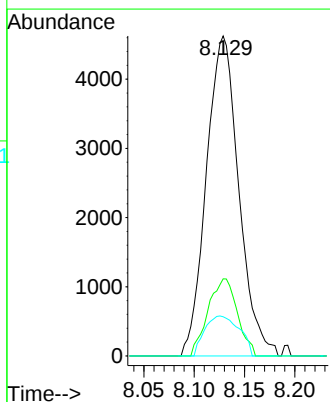
Tgt Ion:	41	Resp:	229
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

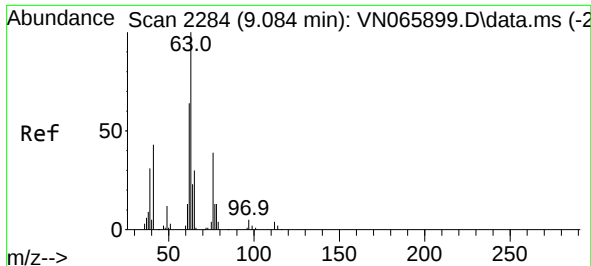


#43
Isopropyl Acetate
Concen: 2.76 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18



Tgt Ion:	43	Resp:	10378
Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.5	33.7#
87	13.3	11.1	16.7





#45

1,2-Dichloropropane

Concen: 0.23 ug/l

RT: 9.232 min Scan# 2330

Delta R.T. 0.148 min

Lab File: VN065970.D

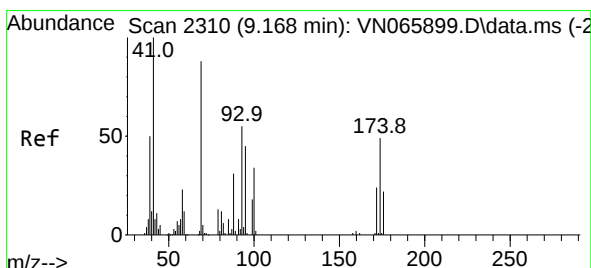
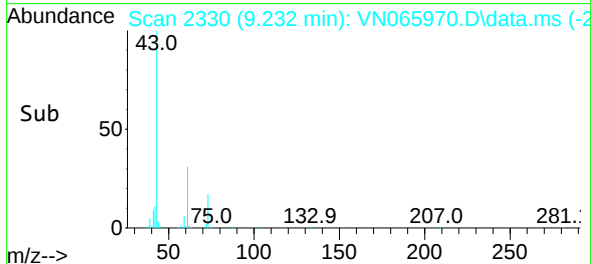
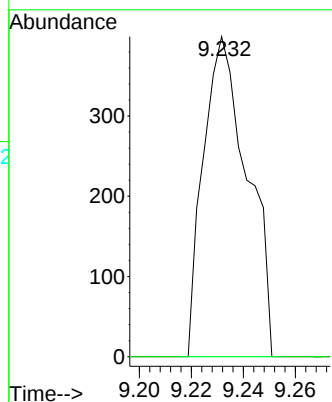
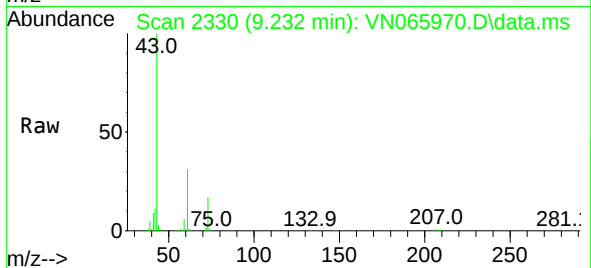
Acq: 22 Feb 2021 19:18

Tgt Ion: 63 Resp: 470

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.27 ug/l

RT: 9.142 min Scan# 2302

Delta R.T. -0.026 min

Lab File: VN065970.D

Acq: 22 Feb 2021 19:18

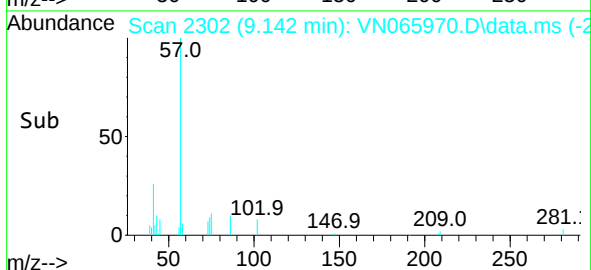
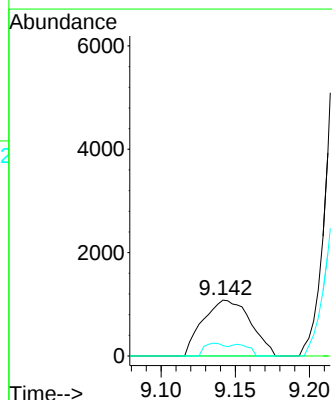
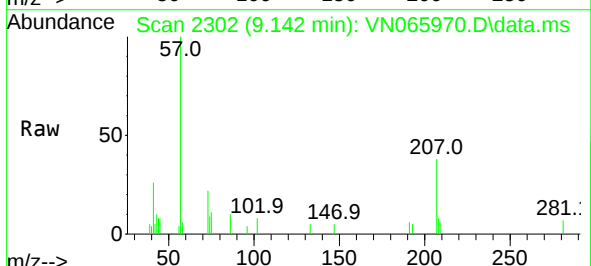
Tgt Ion: 41 Resp: 2419

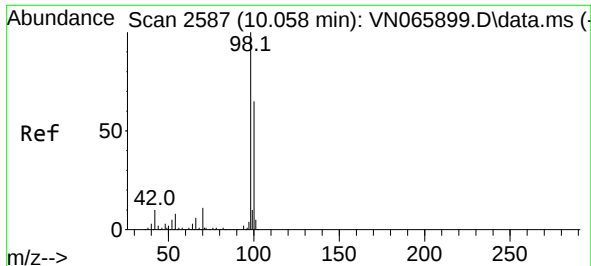
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

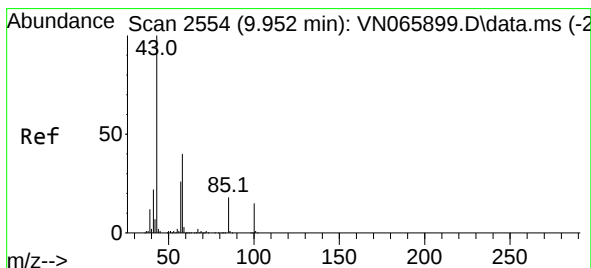
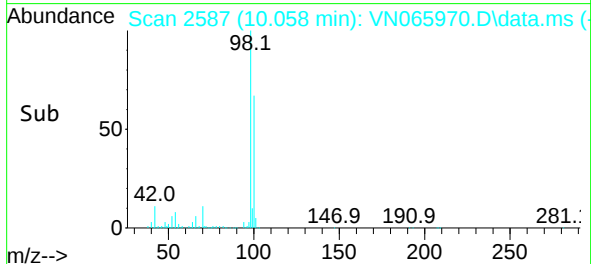
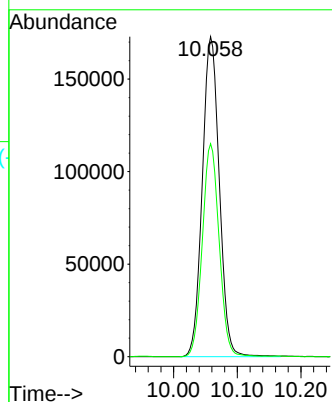
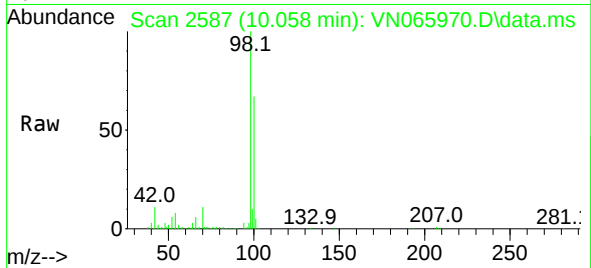




#50
Toluene-d8
Concen: 47.80 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

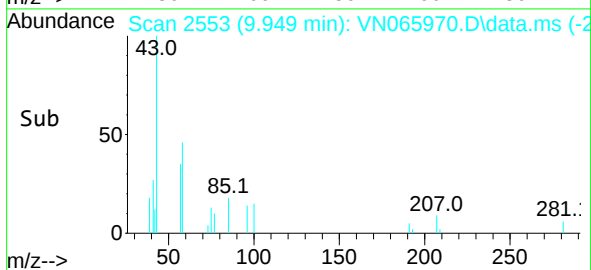
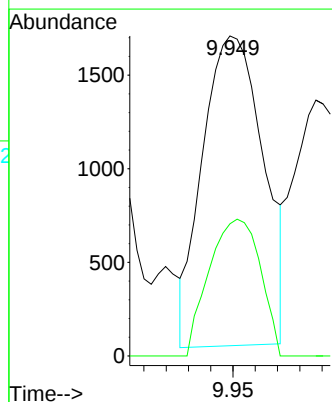
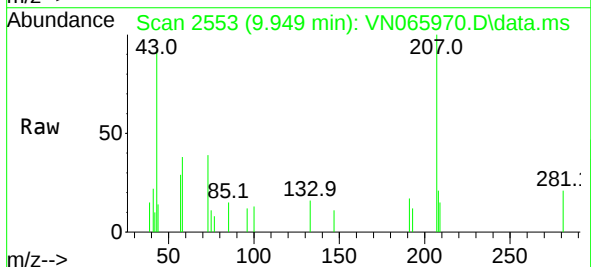
Instrument :
MSVOA_N
ClientSampled :

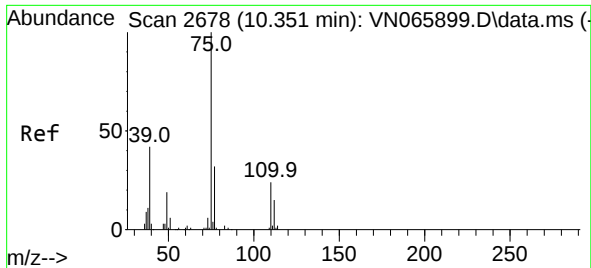
Tgt Ion: 98 Resp: 321522
Ion Ratio Lower Upper
98 100
100 65.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.37 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 43 Resp: 3139
Ion Ratio Lower Upper
43 100
58 37.3 32.5 48.7

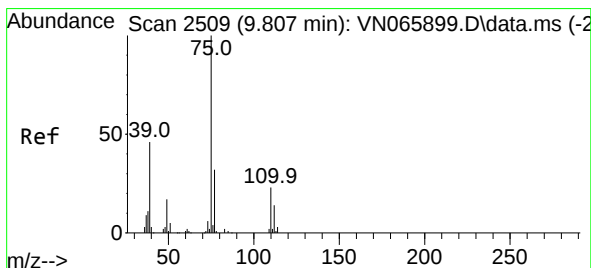
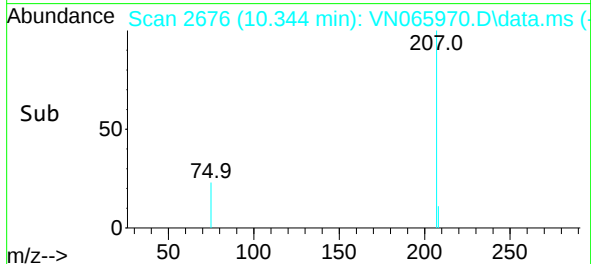
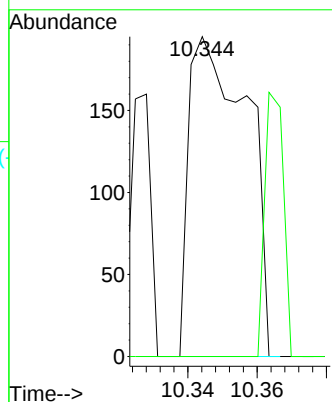
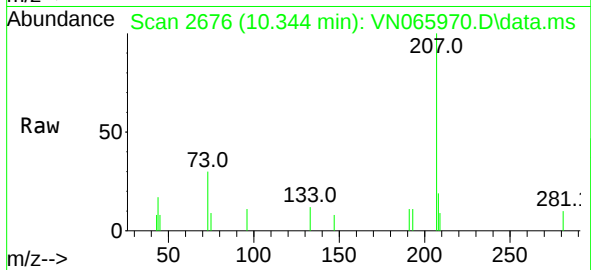




#53
t-1,3-Dichloropropene
Concen: 2.05 ug/l
RT: 10.344 min Scan# 2676
Delta R.T. -0.007 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

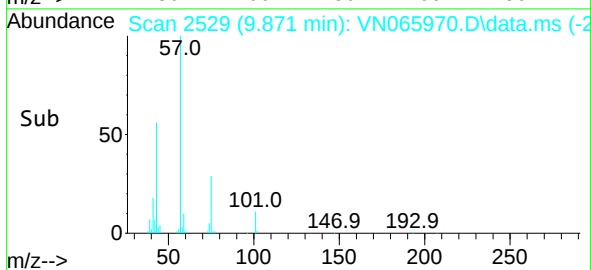
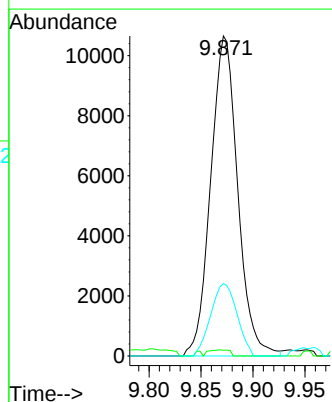
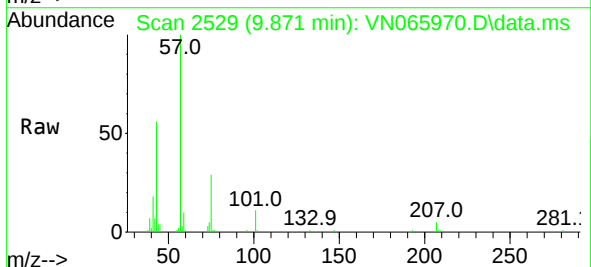
Instrument :
MSVOA_N
ClientSampleId :

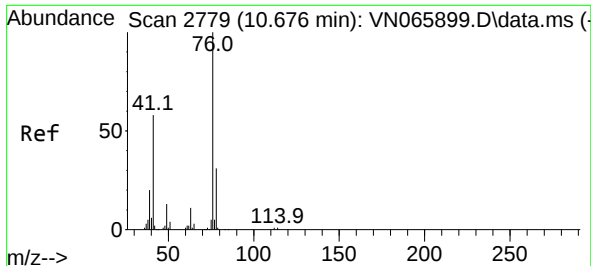
Tgt Ion: 75 Resp: 226
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#54
cis-1,3-Dichloropropene
Concen: 6.11 ug/l
RT: 9.871 min Scan# 2529
Delta R.T. 0.064 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 75 Resp: 19271
Ion Ratio Lower Upper
75 100
77 1.8 24.9 37.3#
39 22.6 36.2 54.4#

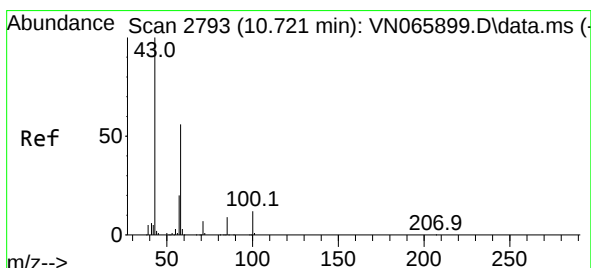
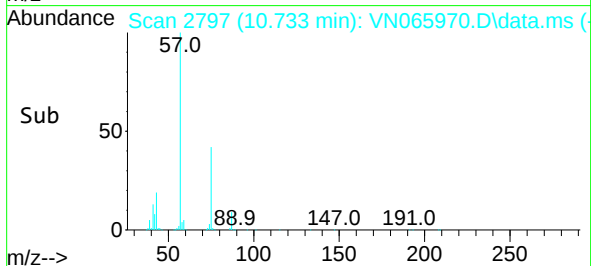
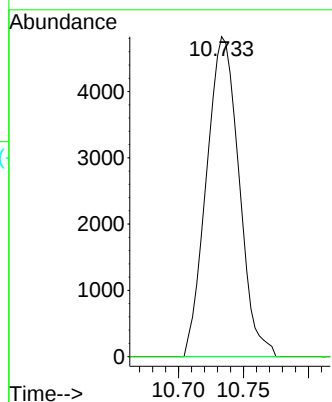
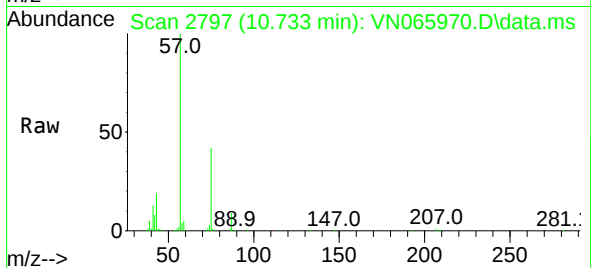




#57
1,3-Dichloropropane
Concen: 2.59 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

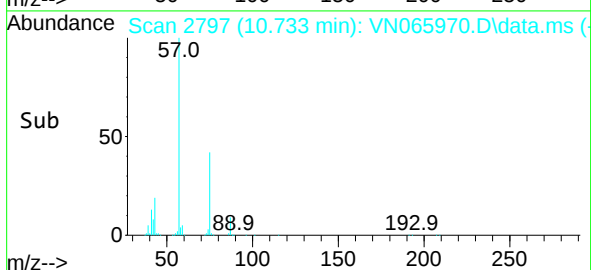
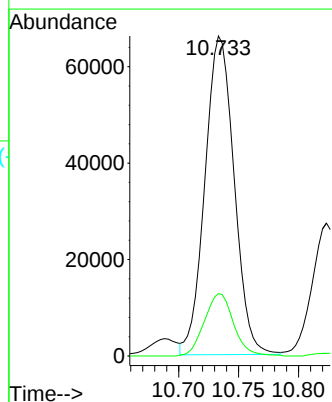
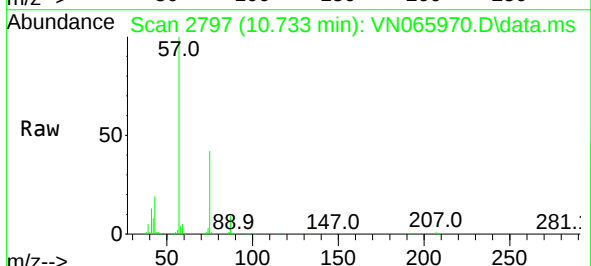
Instrument :
MSVOA_N
ClientSampled :

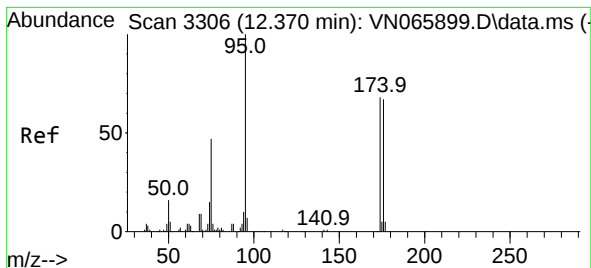
Tgt Ion: 76 Resp: 8415
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 68.81 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 43 Resp: 112048
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

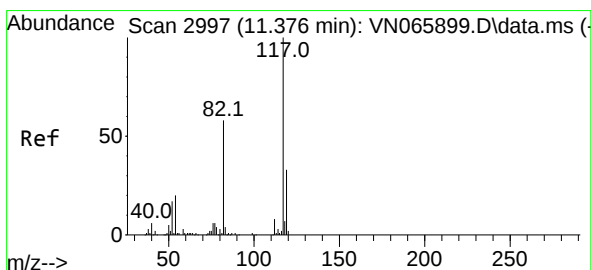
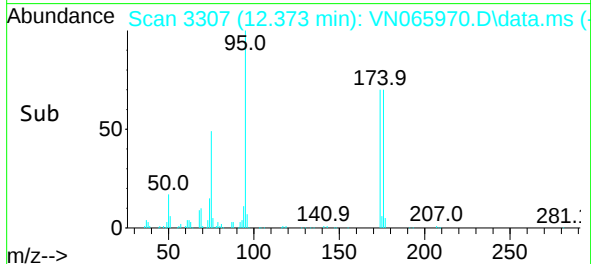
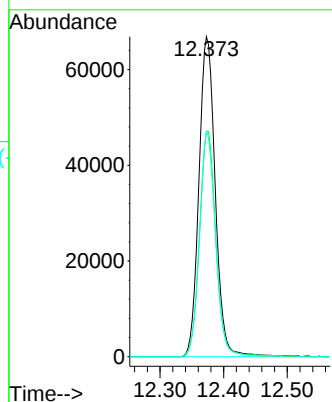
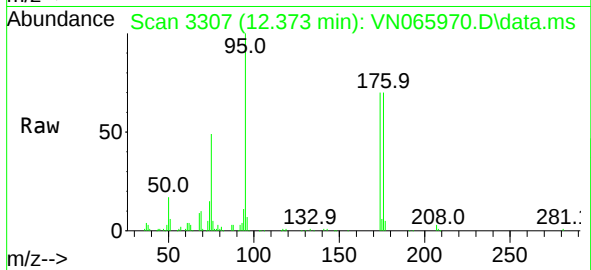




#62
4-Bromofluorobenzene
Concen: 47.29 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

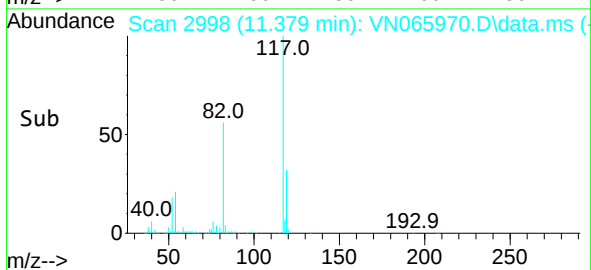
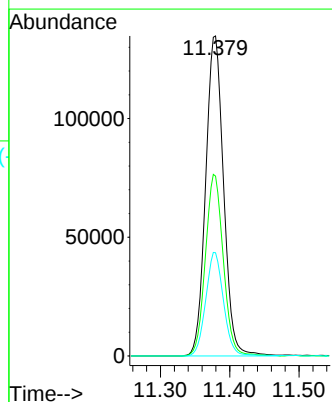
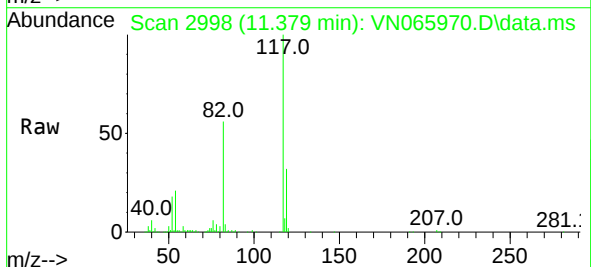
Instrument :
MSVOA_N
ClientSampleId :

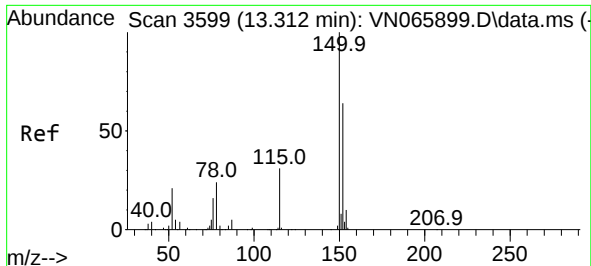
Tgt Ion: 95 Resp: 119408
Ion Ratio Lower Upper
95 100
174 69.9 0.0 169.0
176 68.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

Tgt Ion: 117 Resp: 241732
Ion Ratio Lower Upper
117 100
82 56.2 43.7 65.5
119 32.2 26.1 39.1

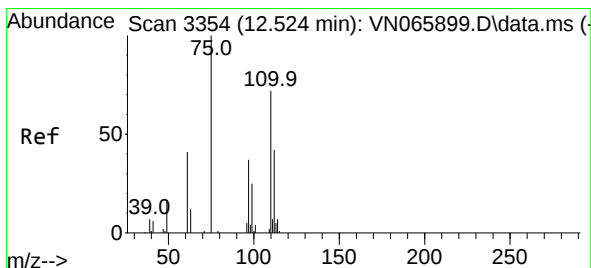
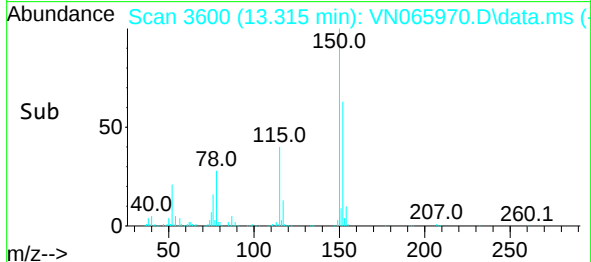
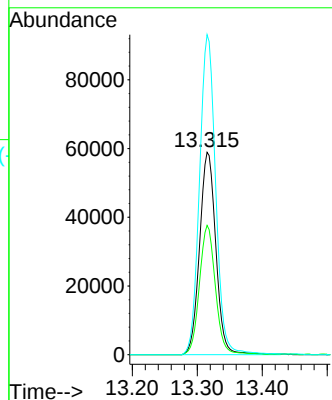
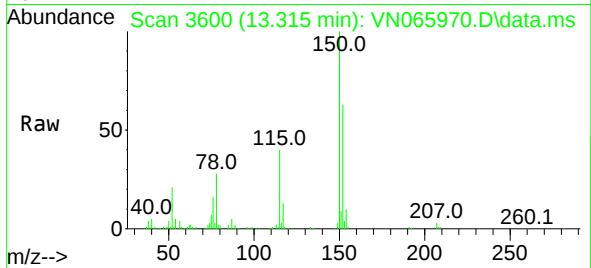




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065970.D
 Acq: 22 Feb 2021 19:18

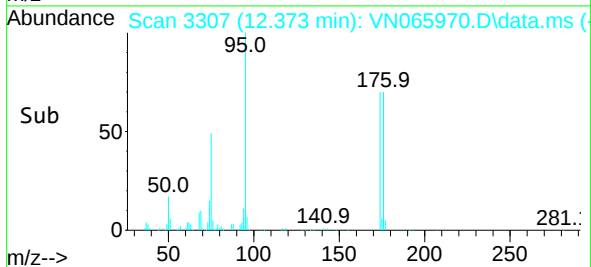
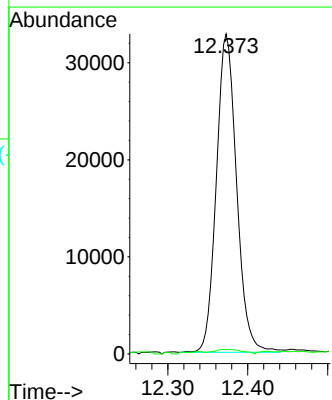
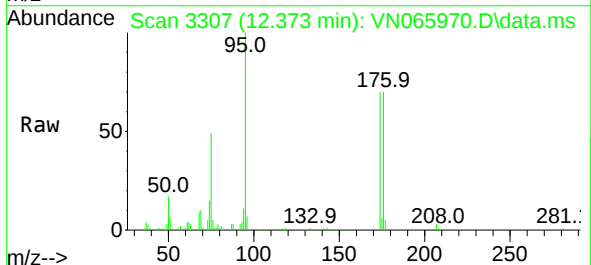
Instrument :
 MSVOA_N
 ClientSampleId :

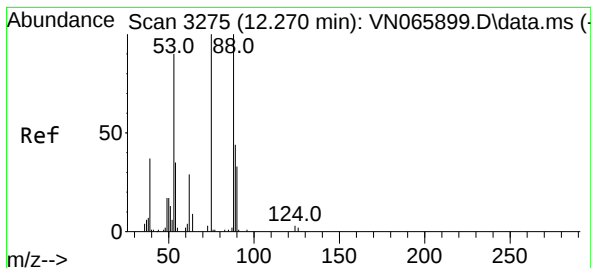
Tgt Ion:152 Resp: 102883
 Ion Ratio Lower Upper
 152 100
 115 63.0 28.5 85.6
 150 157.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.33 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065970.D
 Acq: 22 Feb 2021 19:18

Tgt Ion: 75 Resp: 57668
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

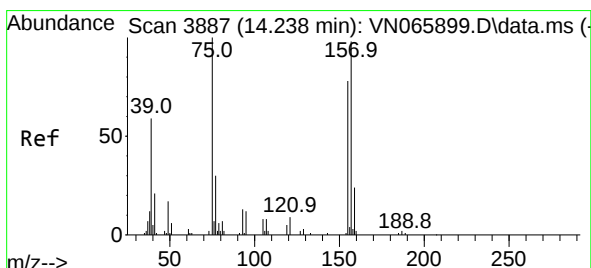
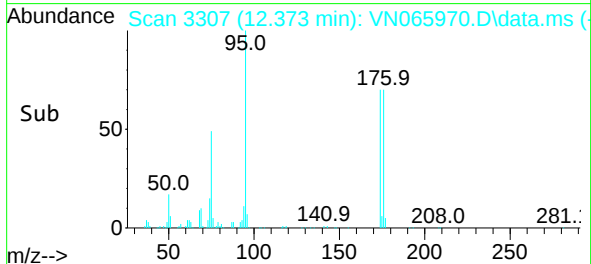
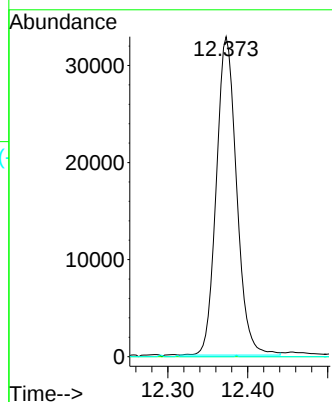
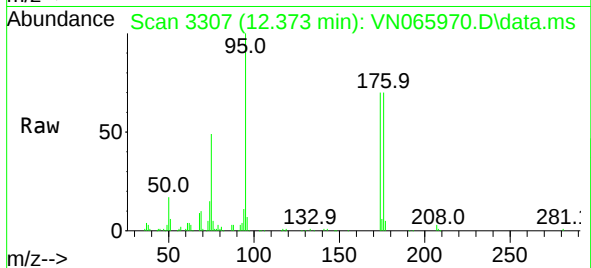




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.36 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.103 min
 Lab File: VN065970.D
 Acq: 22 Feb 2021 19:18

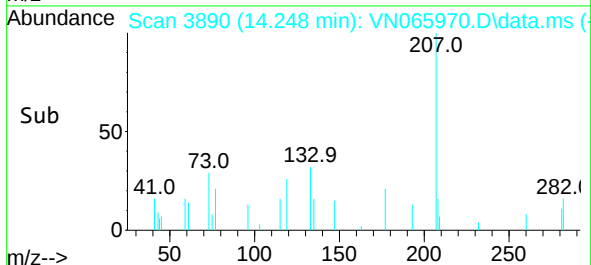
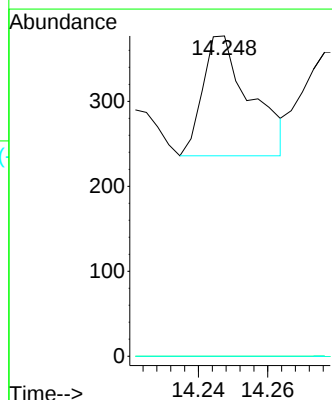
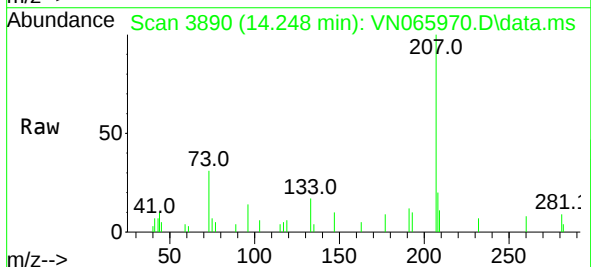
Instrument :
 MSVOA_N
 ClientSampled :

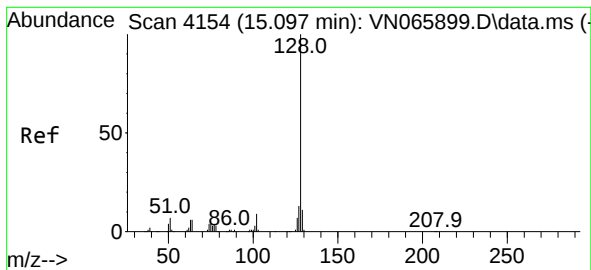
Tgt Ion: 75 Resp: 57668
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.1 35.8 53.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.12 ug/l
 RT: 14.248 min Scan# 3890
 Delta R.T. 0.010 min
 Lab File: VN065970.D
 Acq: 22 Feb 2021 19:18

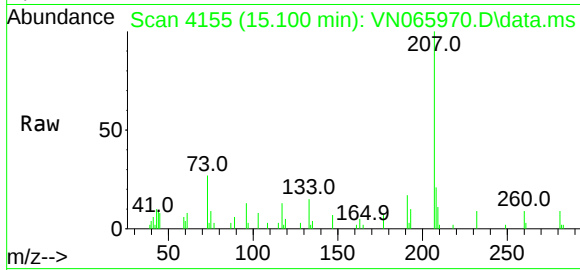
Tgt Ion: 75 Resp: 135
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.12 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN065970.D
Acq: 22 Feb 2021 19:18

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#

