

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022321\
 Data File : VN065989.D
 Acq On : 23 Feb 2021 16:26
 Operator : JC/MD
 Sample : M1470-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 24 00:36:30 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)

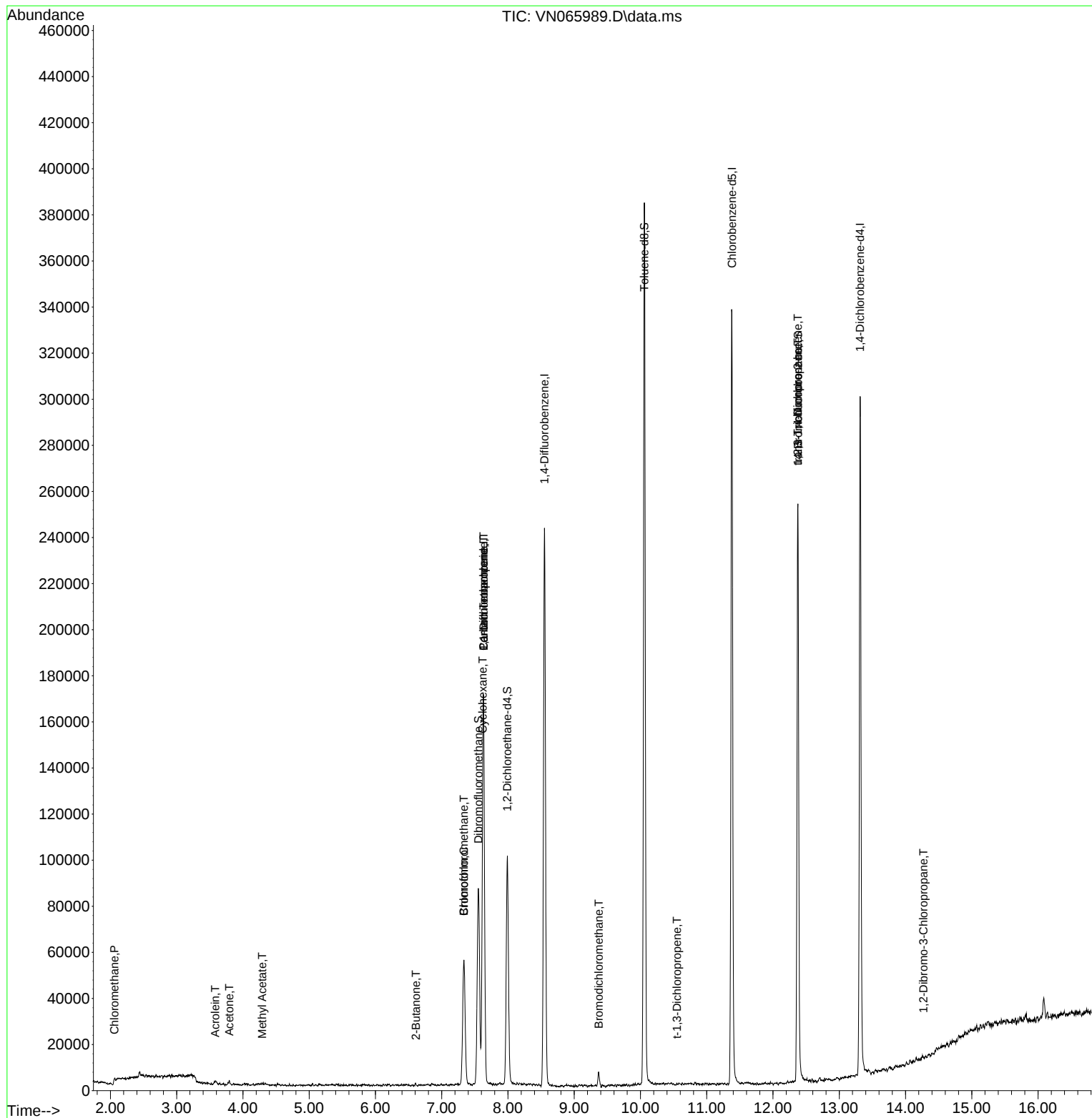
Internal Standards						
1) Pentafluorobenzene	7.630	168	136655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	225194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	205024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	83585	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	91657	47.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.92%		
35) Dibromofluoromethane	7.553	113	68470	49.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.26%		
50) Toluene-d8	10.058	98	273985	47.89	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.78%		
62) 4-Bromofluorobenzene	12.376	95	100921	46.99	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.98%		
Target Compounds					Qvalue	
3) Chloromethane	2.058	50	903	0.40	ug/l #	88
13) Acrolein	3.582	56	1515	6.23	ug/l	88
16) Acetone	3.795	43	2037	1.80	ug/l	91
18) Methyl Acetate	4.290	43	319	0.20	ug/l #	51
25) 2-Butanone	6.611	43	395	0.42	ug/l #	46
28) Bromochloromethane	7.335	49	4358	3.12	ug/l #	9
30) Chloroform	7.335	83	60091	20.09	ug/l	95
31) Cyclohexane	7.618	56	861	0.30	ug/l #	17
36) 1,1-Dichloropropene	7.630	75	10677	4.81	ug/l #	48
38) Carbon Tetrachloride	7.630	117	13457	6.52	ug/l #	18
47) Bromodichloromethane	9.370	83	4522	2.09	ug/l #	97
53) t-1,3-Dichloropropene	10.550	75	29	1.99	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	50078	24.94	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	50078	79.48	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.270	75	63	1.00	ug/l #	1

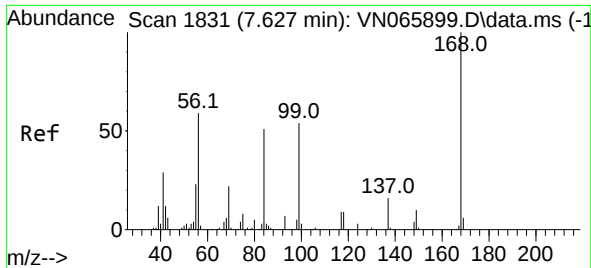
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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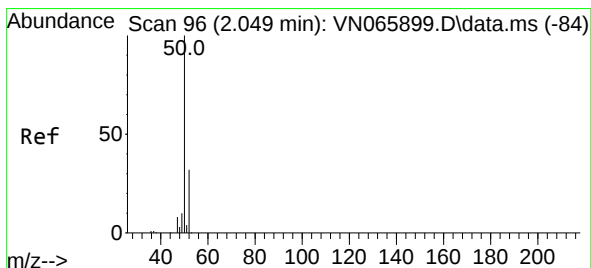
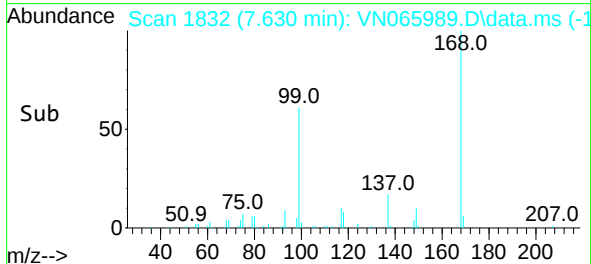
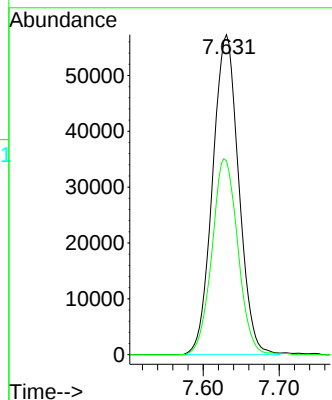
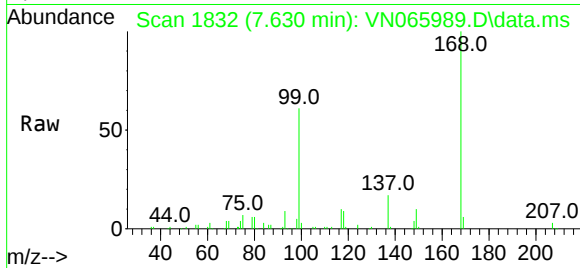




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

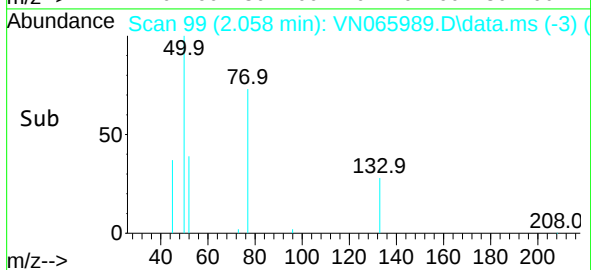
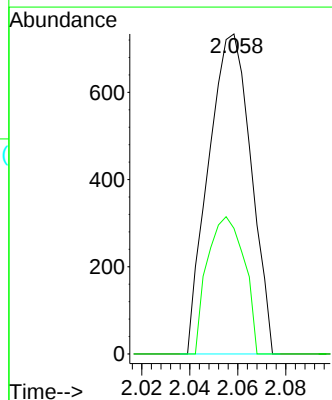
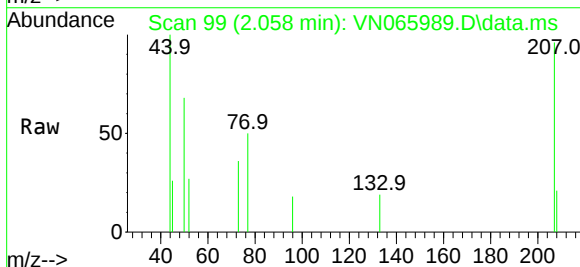
Instrument :
MSVOA_N
ClientSampled :

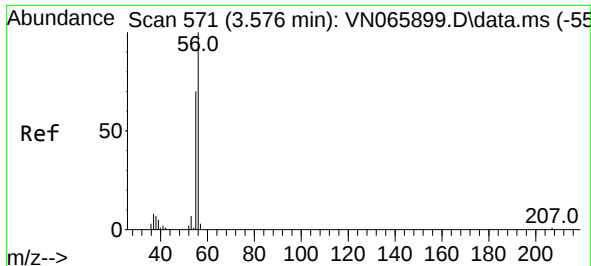
Tgt Ion:168 Resp: 136655
Ion Ratio Lower Upper
168 100
99 60.5 42.6 63.8



#3
Chloromethane
Concen: 0.40 ug/l
RT: 2.058 min Scan# 99
Delta R.T. 0.009 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion: 50 Resp: 903
Ion Ratio Lower Upper
50 100
52 39.2 25.8 38.8#

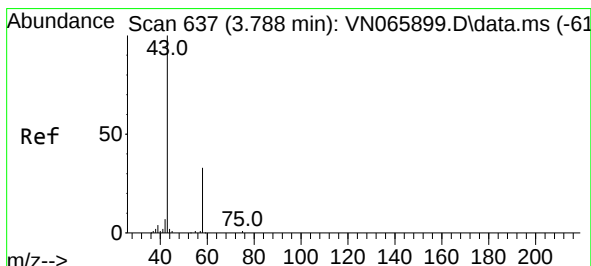
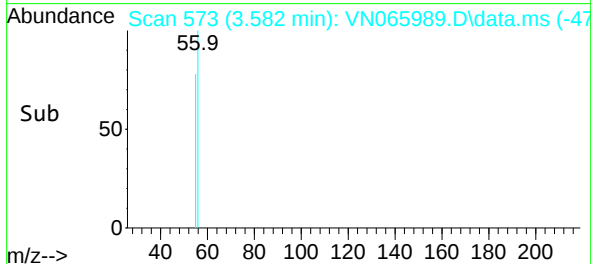
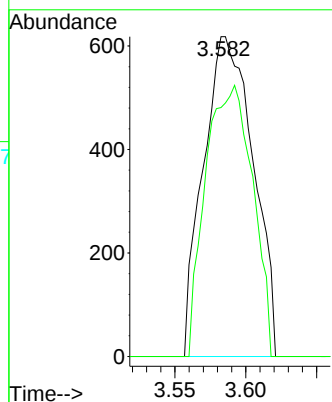
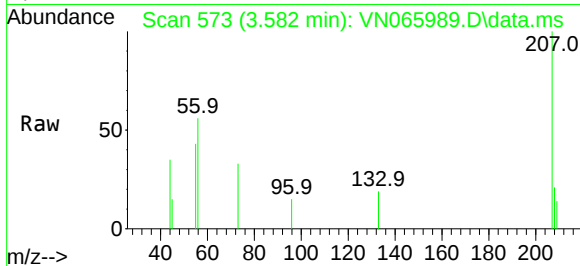




#13
Acrolein
Concen: 6.23 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

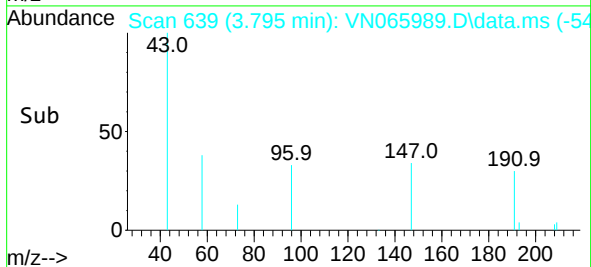
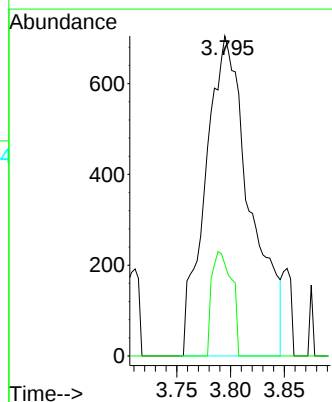
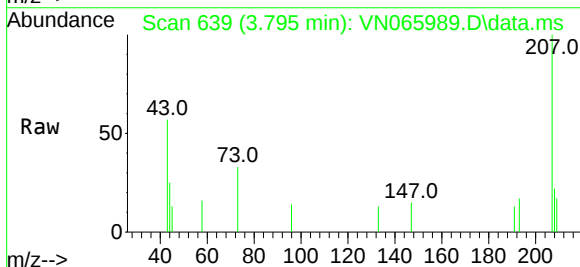
Instrument :
MSVOA_N
ClientSampled :

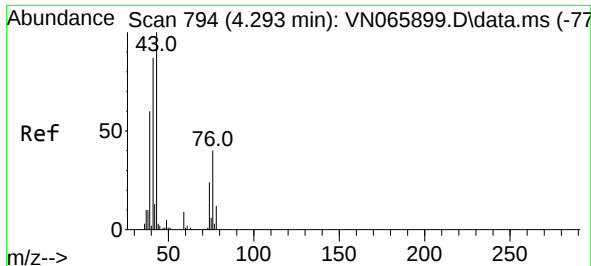
Tgt Ion: 56 Resp: 1515
Ion Ratio Lower Upper
56 100
55 79.7 56.0 84.0



#16
Acetone
Concen: 1.80 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 28.7 27.0 40.6

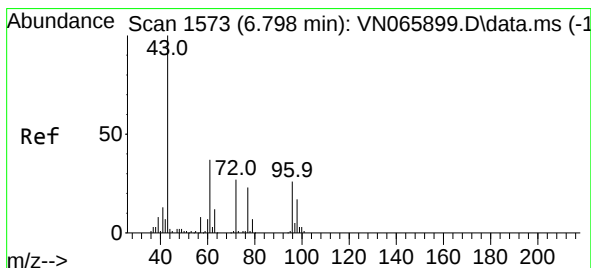
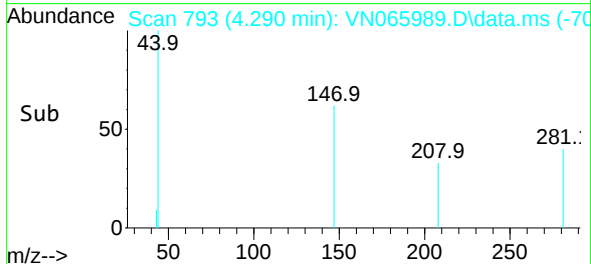
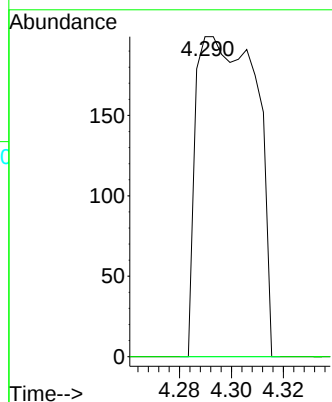
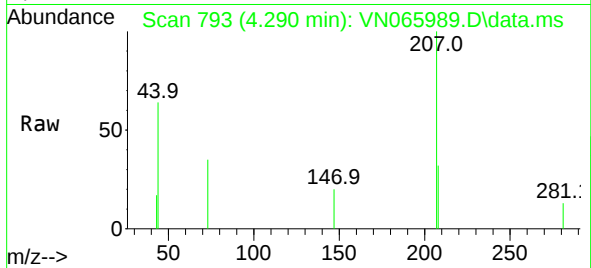




#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 4.290 min Scan# 793
Delta R.T. -0.003 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

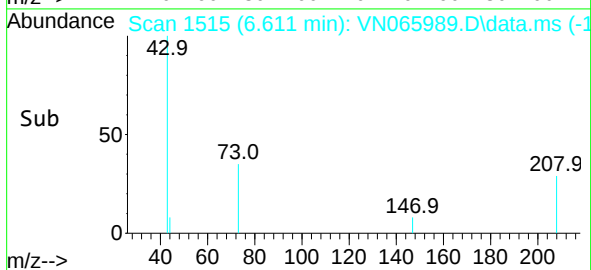
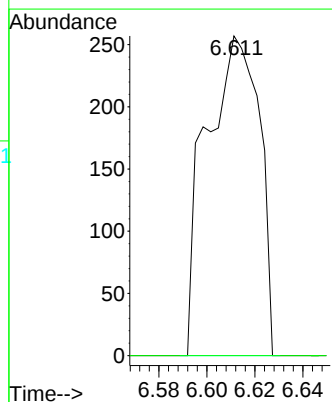
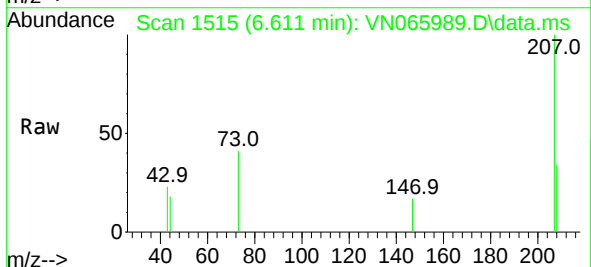
Instrument :
MSVOA_N
ClientSampled :

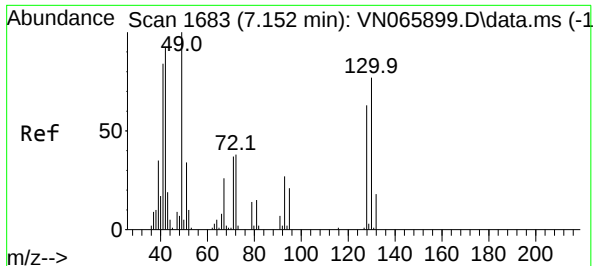
Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#25
2-Butanone
Concen: 0.42 ug/l
RT: 6.611 min Scan# 1515
Delta R.T. -0.187 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#28

Bromochloromethane

Concen: 3.12 ug/l

RT: 7.335 min Scan# 1740

Delta R.T. 0.183 min

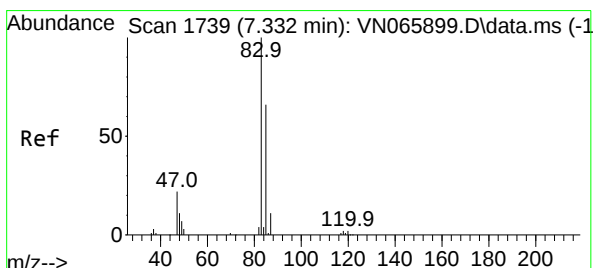
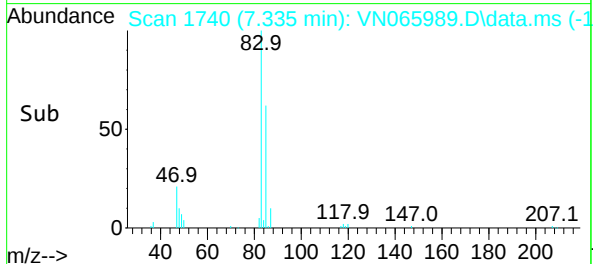
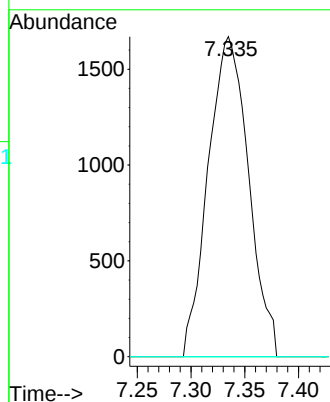
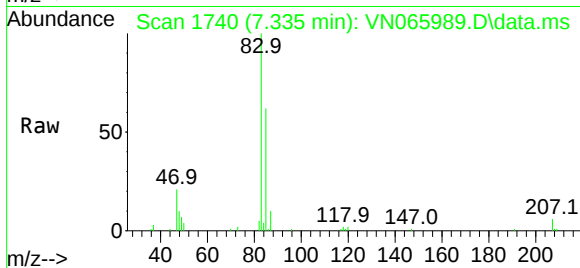
Lab File: VN065989.D

Acq: 23 Feb 2021 16:26

Tgt Ion: 49 Resp: 4358

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	67.8	101.6#

Instrument :
MSVOA_N
ClientSampleId :



#30

Chloroform

Concen: 20.09 ug/l

RT: 7.335 min Scan# 1740

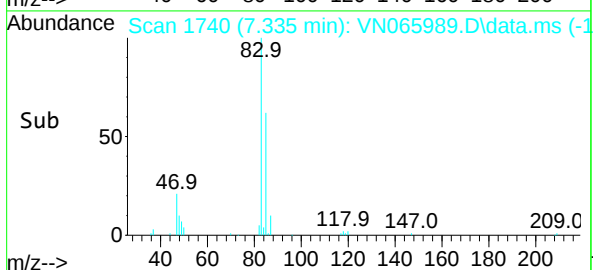
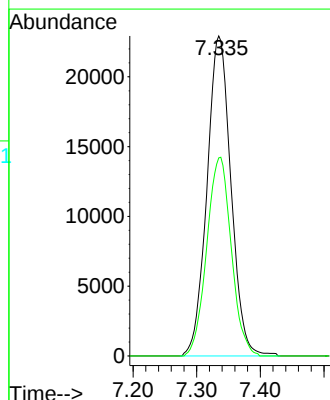
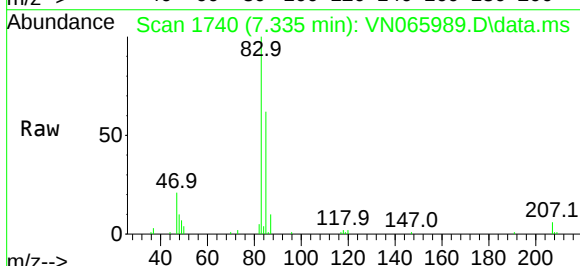
Delta R.T. 0.003 min

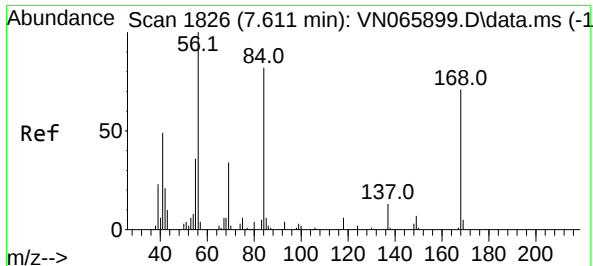
Lab File: VN065989.D

Acq: 23 Feb 2021 16:26

Tgt Ion: 83 Resp: 60091

Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.6	78.8





#31

Cyclohexane

Concen: 0.30 ug/l

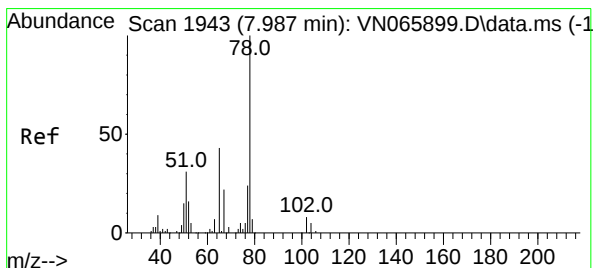
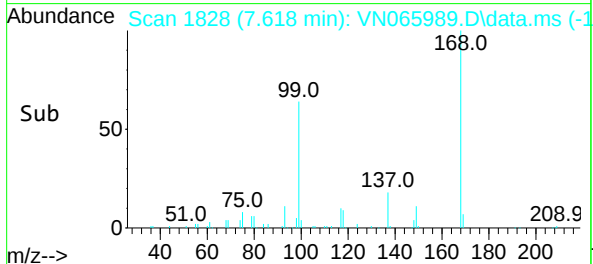
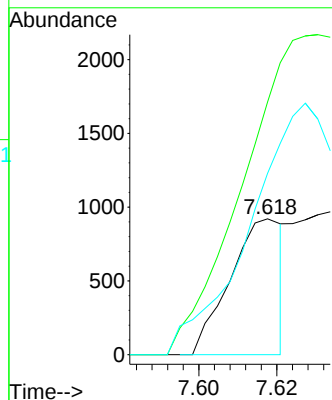
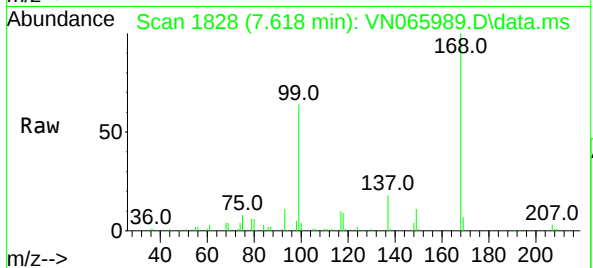
RT: 7.618 min Scan# 1828

Delta R.T. 0.007 min

Lab File: VN065989.D

Acq: 23 Feb 2021 16:26

Tgt Ion:	56	Resp:	861
Ion	Ratio	Lower	Upper
56	100		
69	166.3	26.6	39.8#
84	112.3	70.4	105.6#



#33

1,2-Dichloroethane-d4

Concen: 47.96 ug/l

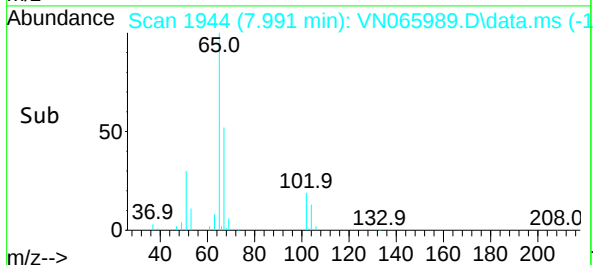
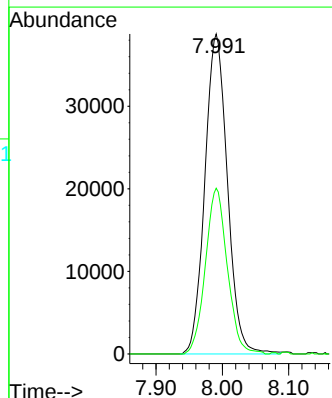
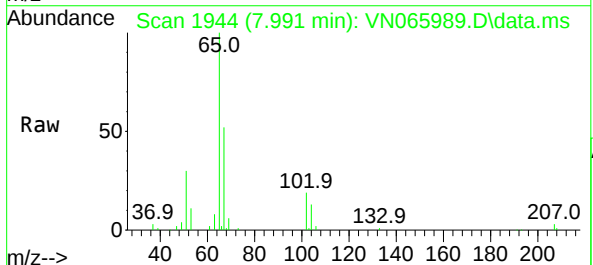
RT: 7.991 min Scan# 1944

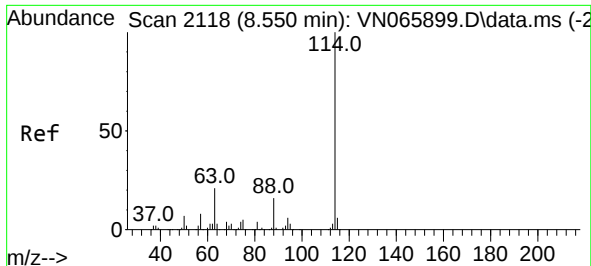
Delta R.T. 0.004 min

Lab File: VN065989.D

Acq: 23 Feb 2021 16:26

Tgt Ion:	65	Resp:	91657
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	107.2

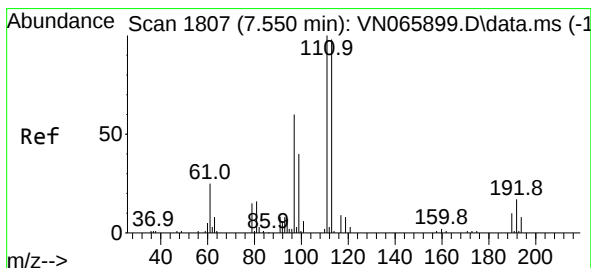
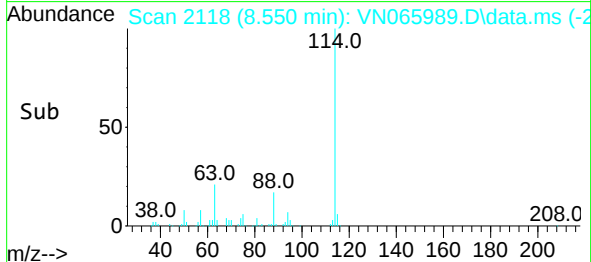
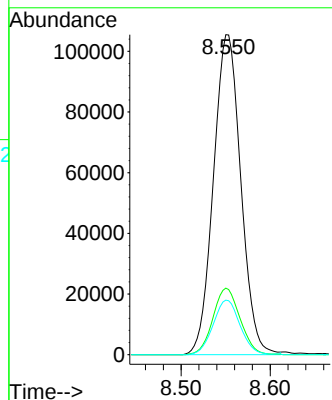
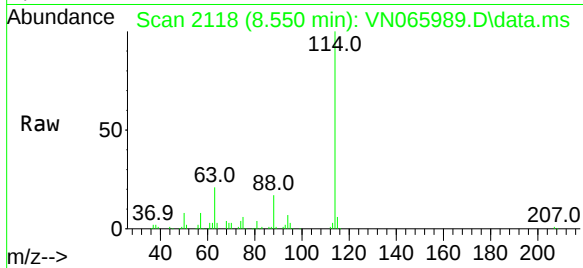




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

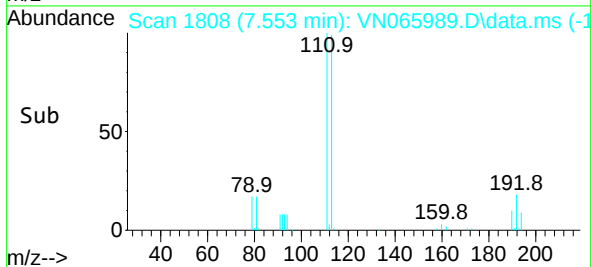
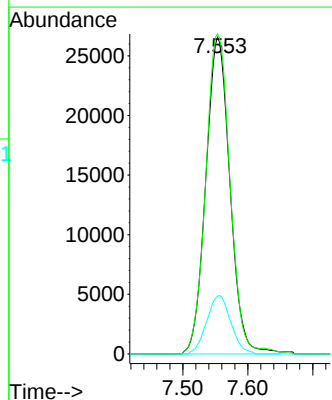
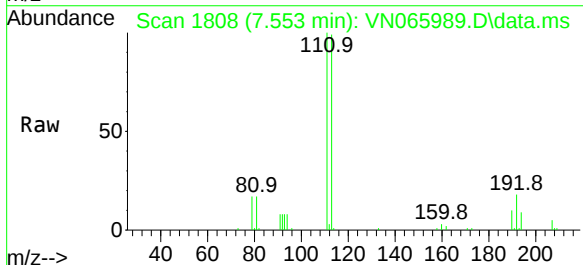
Instrument :
MSVOA_N
ClientSampled :

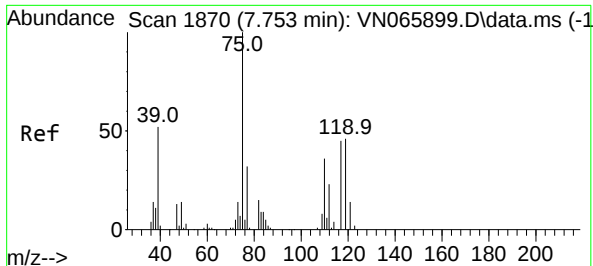
Tgt Ion:114 Resp: 225194
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 17.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.13 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion:113 Resp: 68470
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 18.4 15.4 23.0

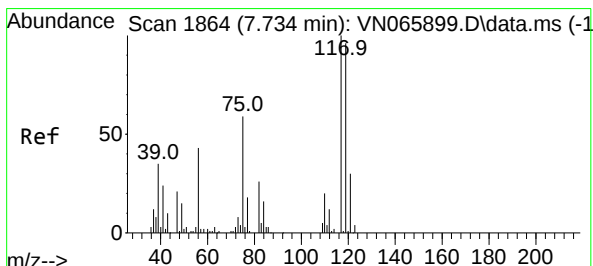
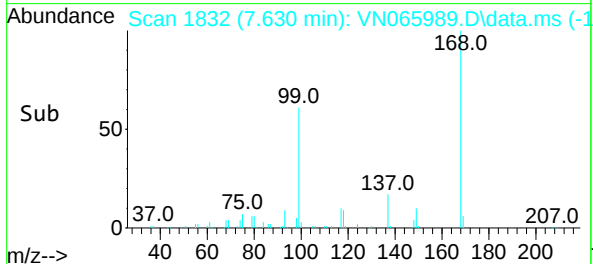
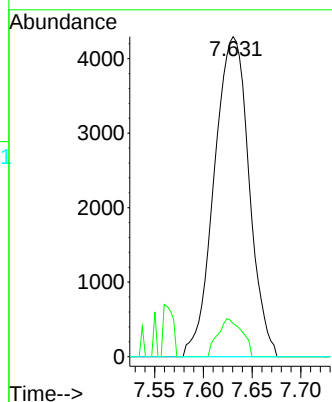
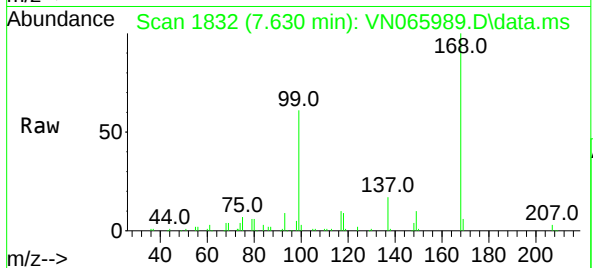




#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

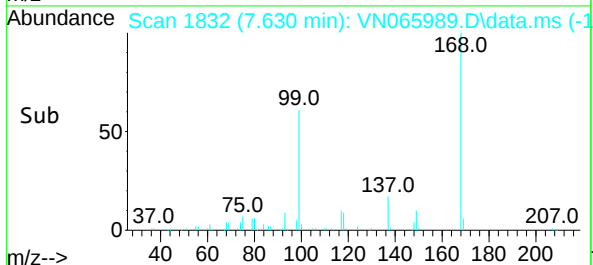
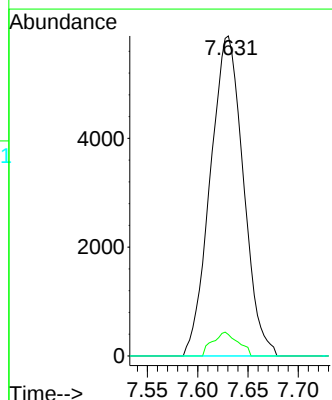
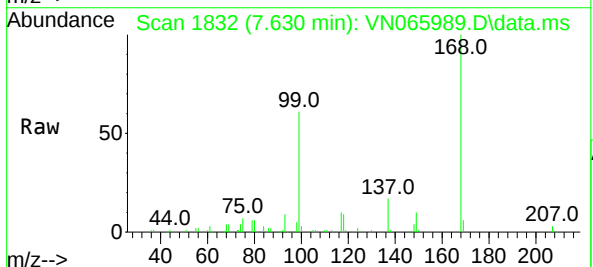
Instrument :
MSVOA_N
ClientSampled :

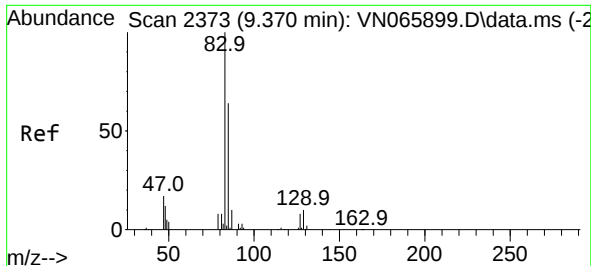
Tgt Ion: 75 Resp: 10677
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.52 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.104 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion: 117 Resp: 13457
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.5 36.7#

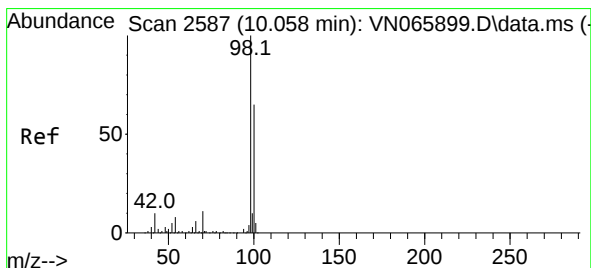
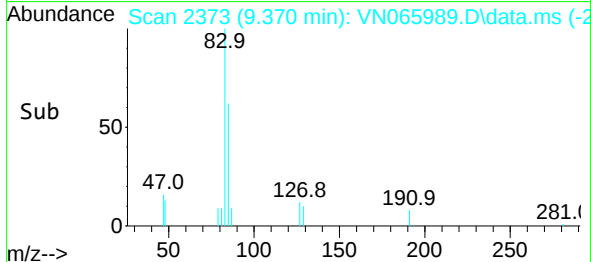
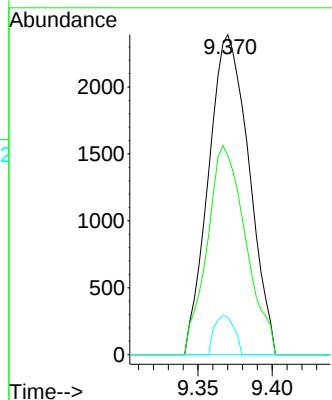
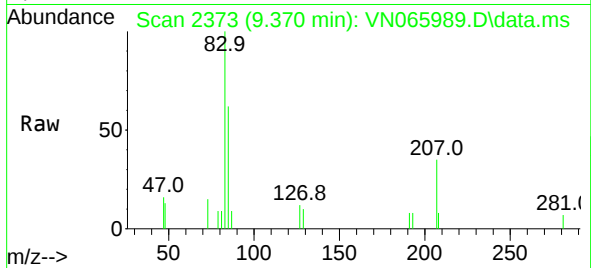




#47
Bromodichloromethane
Concen: 2.09 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. -0.000 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

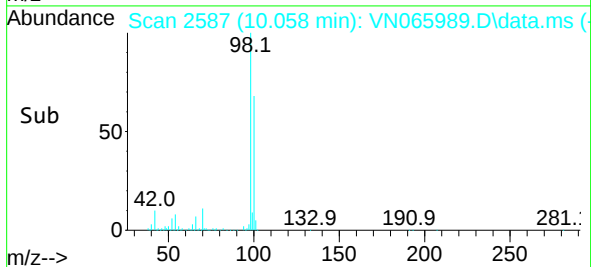
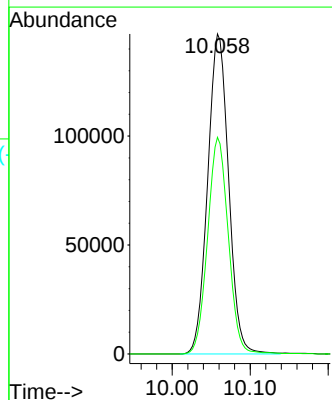
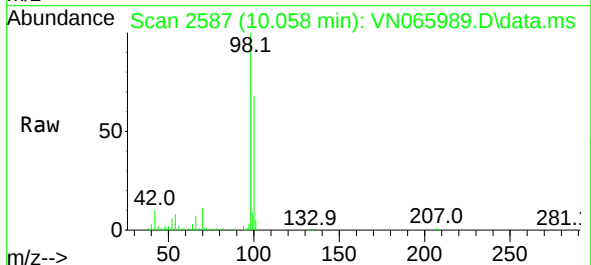
Instrument :
MSVOA_N
ClientSampled :

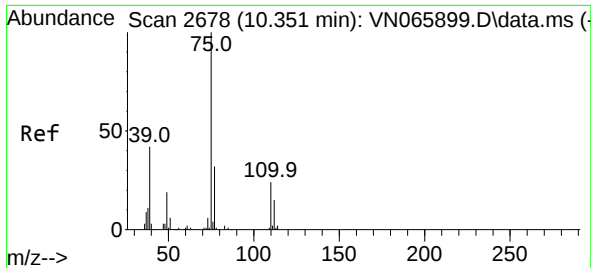
Tgt Ion: 83 Resp: 4522
Ion Ratio Lower Upper
83 100
85 62.3 51.0 76.4
127 11.7 7.0 10.6#



#50
Toluene-d8
Concen: 47.89 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion: 98 Resp: 273985
Ion Ratio Lower Upper
98 100
100 66.9 50.5 75.7

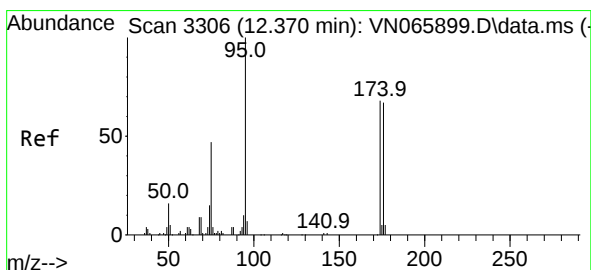
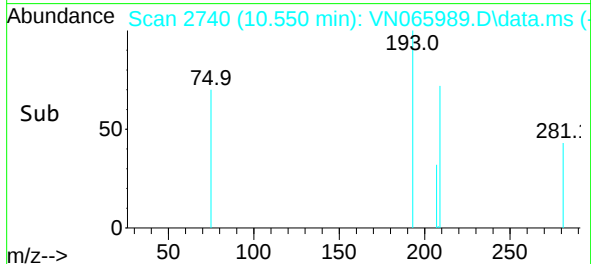
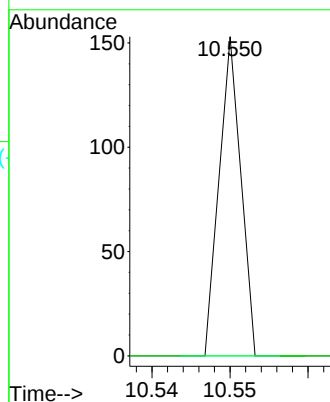
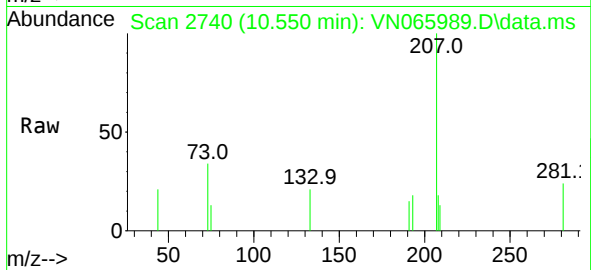




#53
t-1,3-Dichloropropene
Concen: 1.99 ug/l
RT: 10.550 min Scan# 2740
Delta R.T. 0.199 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

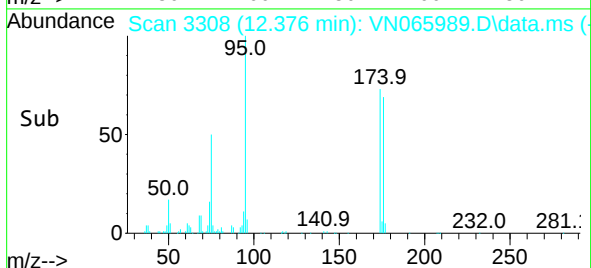
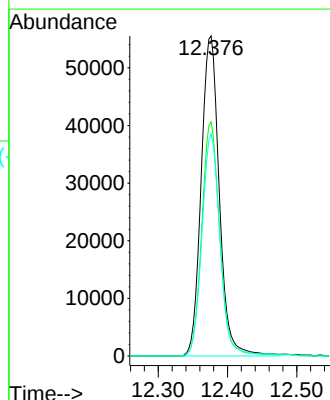
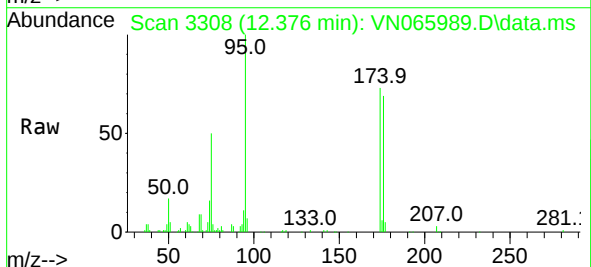
Instrument :
MSVOA_N
ClientSampleId :

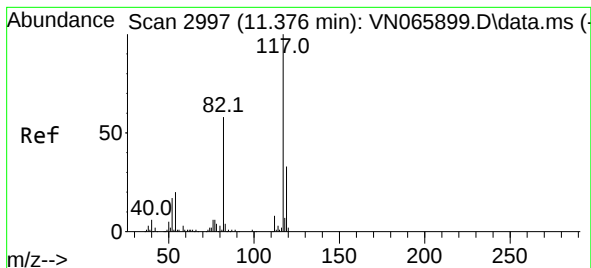
Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 46.99 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.006 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion: 95 Resp: 100921
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 68.8 0.0 162.4

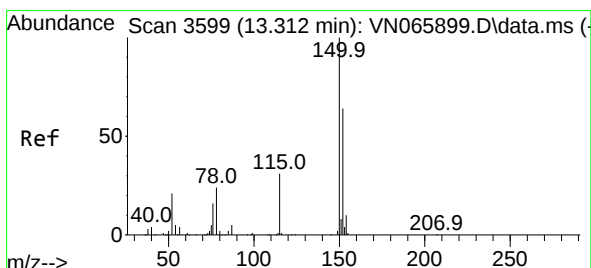
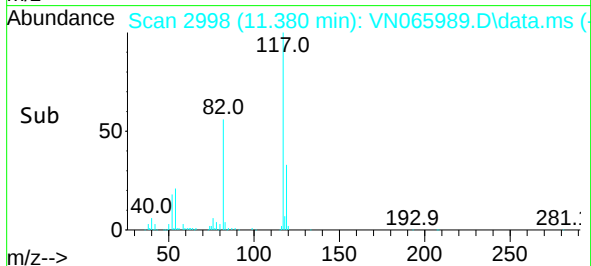
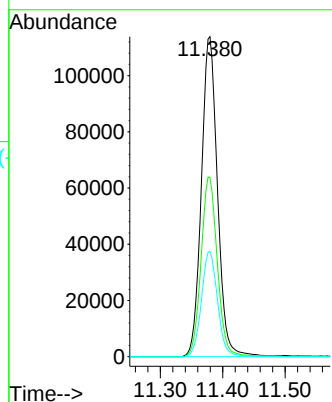
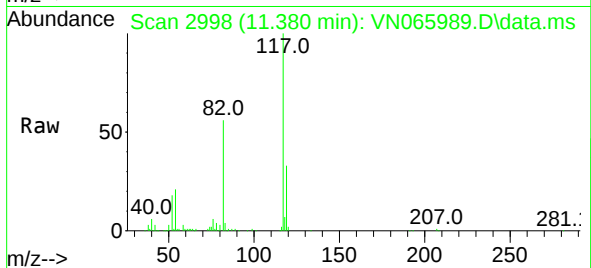




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

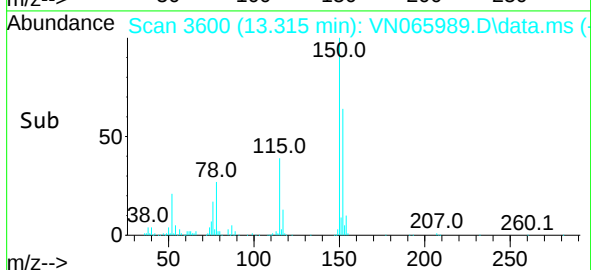
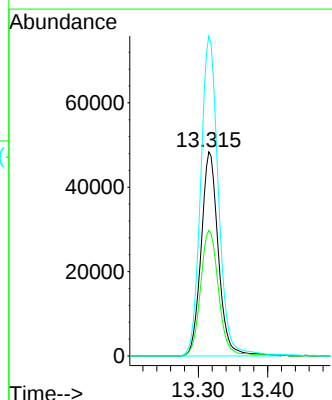
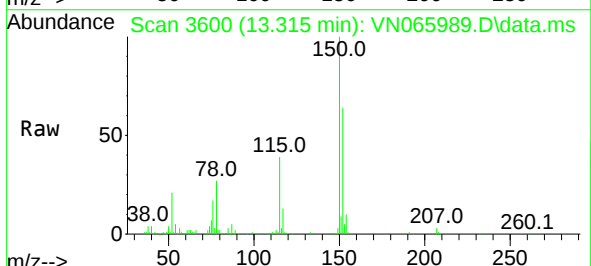
Instrument :
MSVOA_N
ClientSampleId :

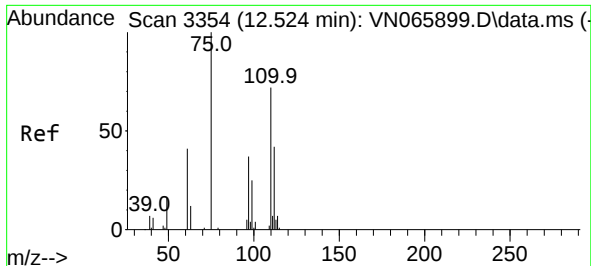
Tgt Ion:117 Resp: 205024
Ion Ratio Lower Upper
117 100
82 56.0 43.7 65.5
119 32.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

Tgt Ion:152 Resp: 83585
Ion Ratio Lower Upper
152 100
115 64.1 28.5 85.6
150 161.9 0.0 347.6

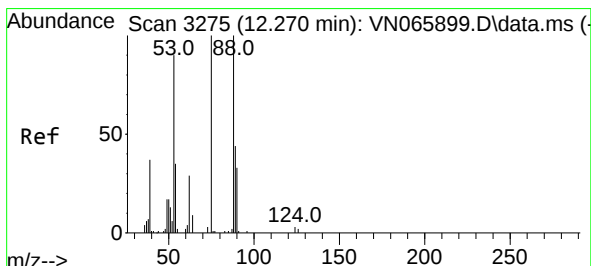
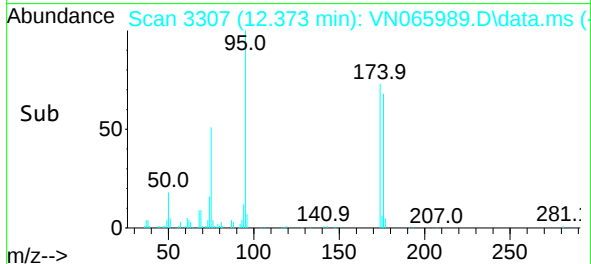
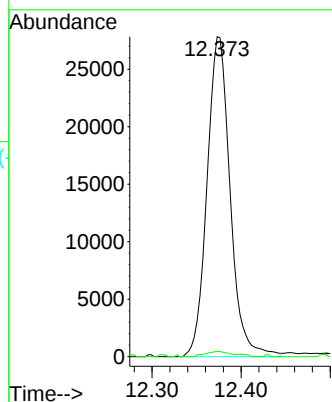
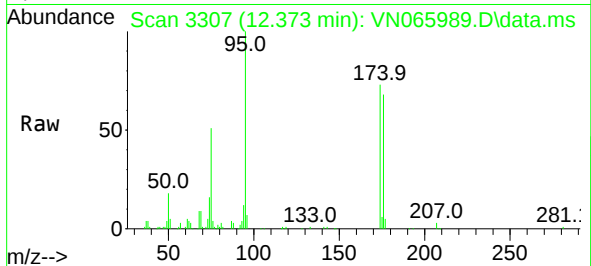




#76
1,2,3-Trichloropropane
Concen: 24.94 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

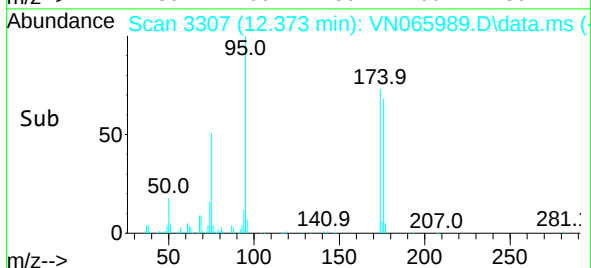
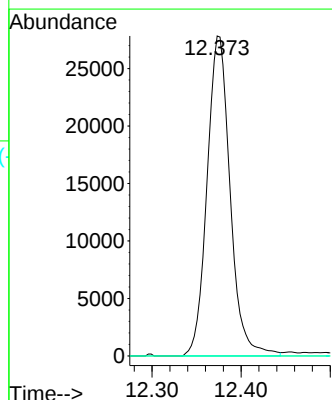
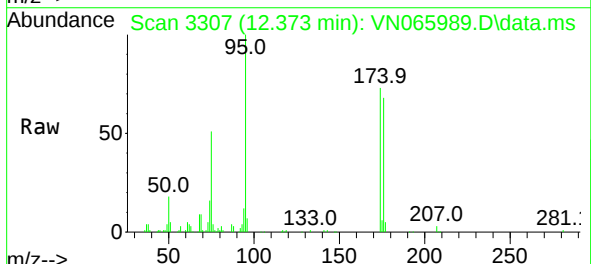
Instrument :
MSVOA_N
ClientSampled :

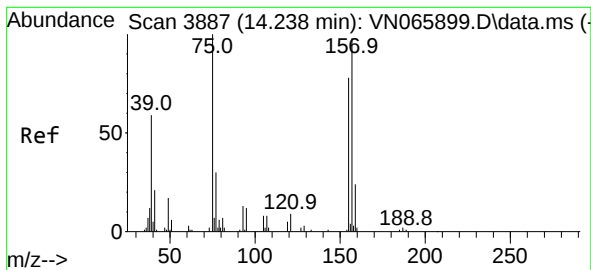
Tgt Ion: 75 Resp: 50078
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.48 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065989.D
Acq: 23 Feb 2021 16:26

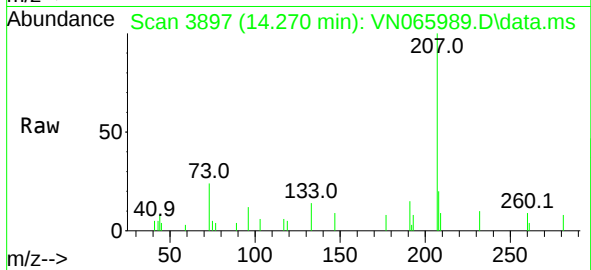
Tgt Ion: 75 Resp: 50078
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.00 ug/l
 RT: 14.270 min Scan# 3897
 Delta R.T. 0.032 min
 Lab File: VN065989.D
 Acq: 23 Feb 2021 16:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 63
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#

