

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN066006.D
 Acq On : 24 Feb 2021 16:05
 Operator : JC/MD
 Sample : M1473-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 02:14:55 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)

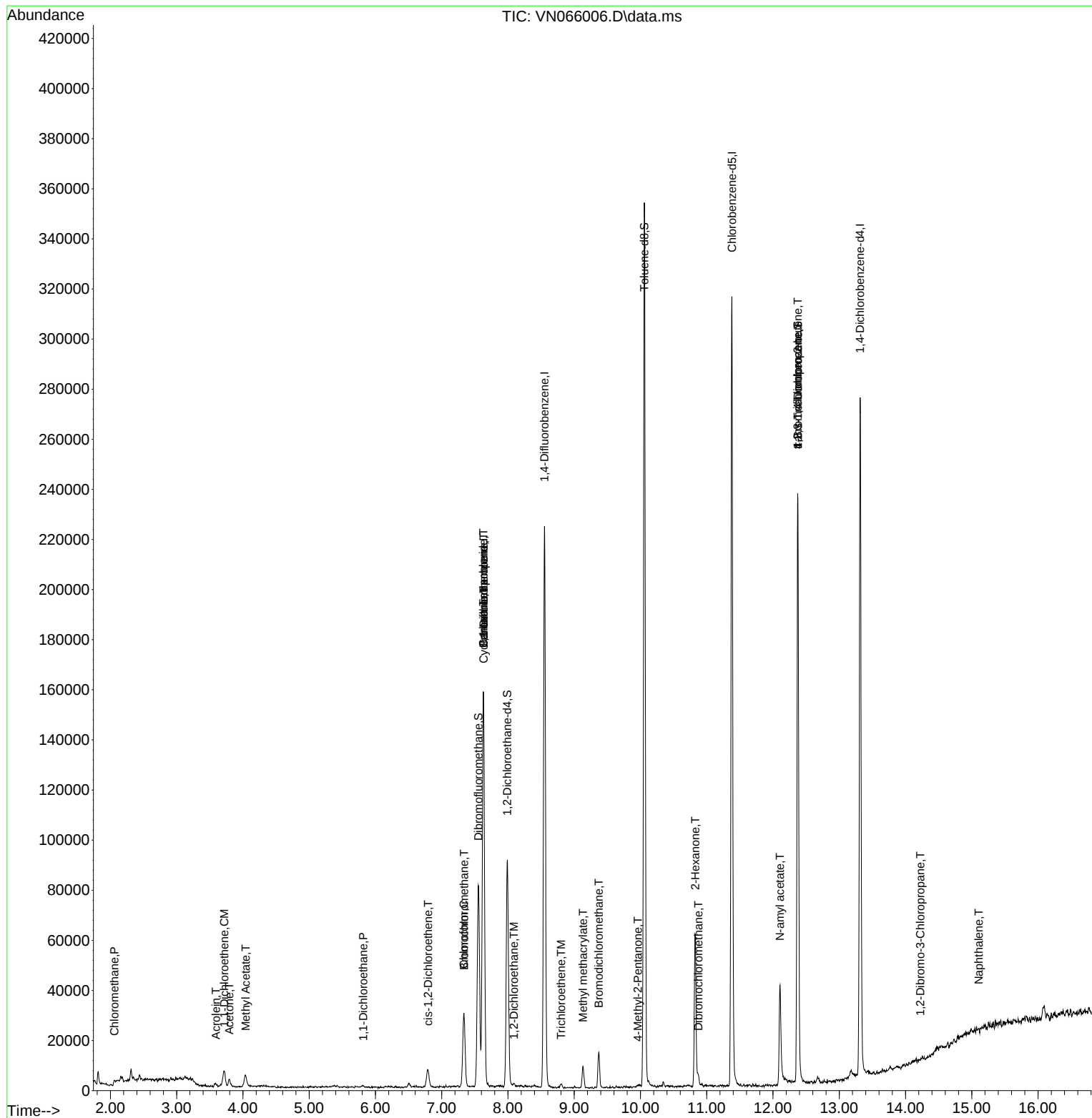
Internal Standards						
1) Pentafluorobenzene	7.631	168	125944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	204533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	189892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	77730	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	83842	47.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.20%		
35) Dibromofluoromethane	7.553	113	63226	49.95	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.90%		
50) Toluene-d8	10.058	98	250609	48.23	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.46%		
62) 4-Bromofluorobenzene	12.373	95	91891	47.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.22%		
Target Compounds						Qvalue
3) Chloromethane	2.058	50	827	0.40	ug/l	90
12) 1,1-Dichloroethene	3.721	96	4258	3.01	ug/l	96
13) Acrolein	3.592	56	1716	7.66	ug/l	100
16) Acetone	3.795	43	5620	8.61	ug/l	96
18) Methyl Acetate	4.042	43	2040	1.40	ug/l #	51
24) 1,1-Dichloroethane	5.814	63	932	0.33	ug/l #	82
27) cis-1,2-Dichloroethene	6.795	96	5401	3.19	ug/l	75
28) Bromochloromethane	7.338	49	2296	1.78	ug/l #	9
30) Chloroform	7.335	83	31751	11.52	ug/l	100
31) Cyclohexane	7.634	56	2552	0.97	ug/l #	31
36) 1,1-Dichloropropene	7.631	75	9933	4.93	ug/l #	48
38) Carbon Tetrachloride	7.627	117	12798	6.83	ug/l #	18
42) 1,2-Dichloroethane	8.090	62	705	0.35	ug/l #	74
44) Trichloroethene	8.804	130	678	0.44	ug/l	81
47) Bromodichloromethane	9.370	83	10972	5.58	ug/l	94
48) Methyl methacrylate	9.132	41	2343	1.59	ug/l #	36
51) 4-Methyl-2-Pentanone	9.962	43	612	0.35	ug/l #	35
59) 2-Hexanone	10.827	43	11625	9.24	ug/l #	41
60) Dibromochloromethane	10.875	129	2183	1.50	ug/l	98
74) N-amyl acetate	12.106	43	8685	3.95	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	46533	24.92	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	46533	79.42	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.225	75	460	2.07	ug/l #	1
95) Naphthalene	15.106	128	66	3.07	ug/l #	69

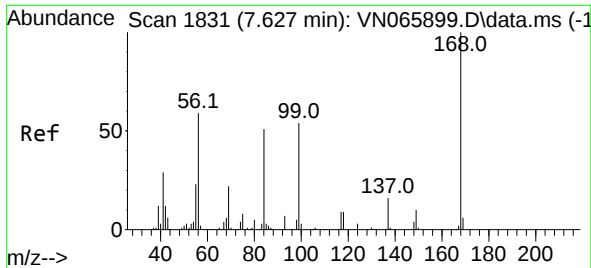
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 2021
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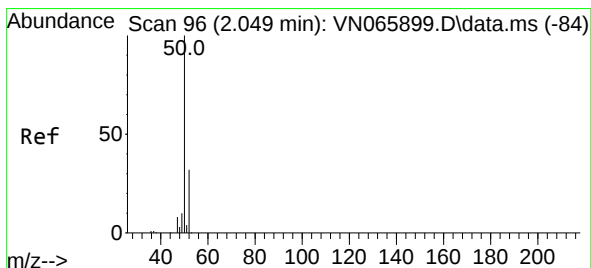
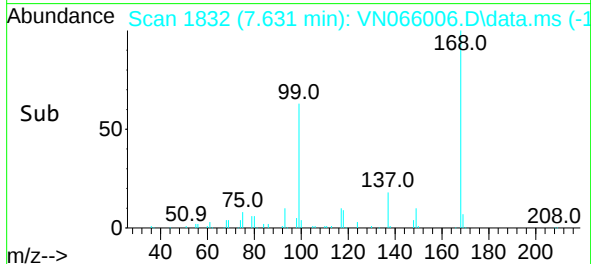
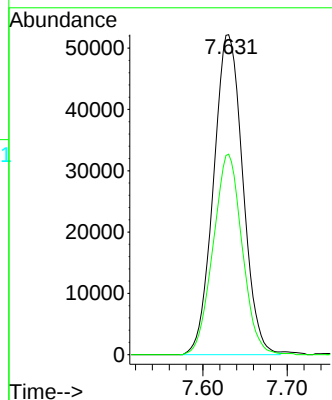
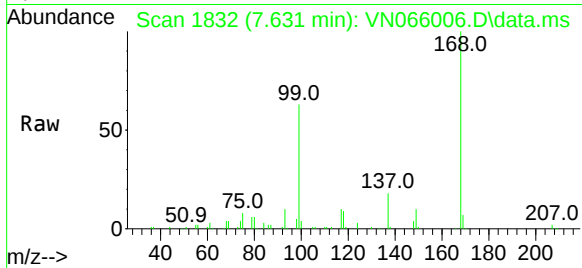




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

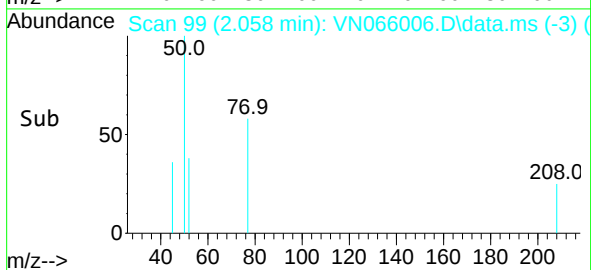
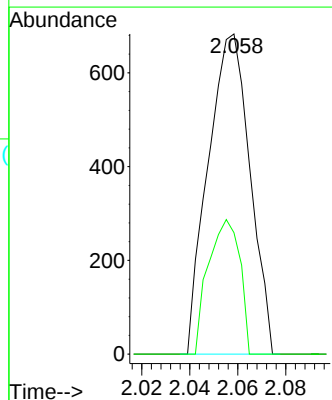
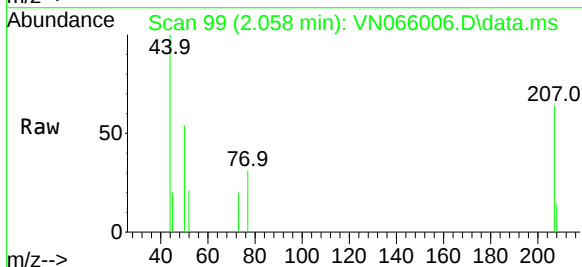
Instrument :
MSVOA_N
ClientSampled :

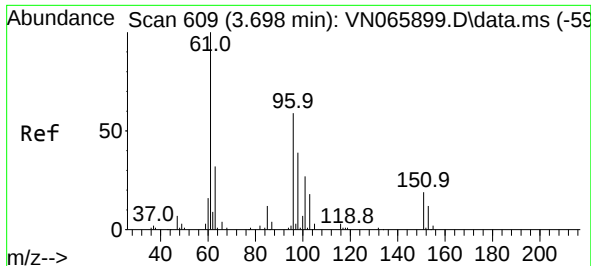
Tgt Ion:168 Resp: 125944
Ion Ratio Lower Upper
168 100
99 62.6 42.6 63.8



#3
Chloromethane
Concen: 0.40 ug/l
RT: 2.058 min Scan# 99
Delta R.T. 0.009 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 50 Resp: 827
Ion Ratio Lower Upper
50 100
52 37.9 25.8 38.8

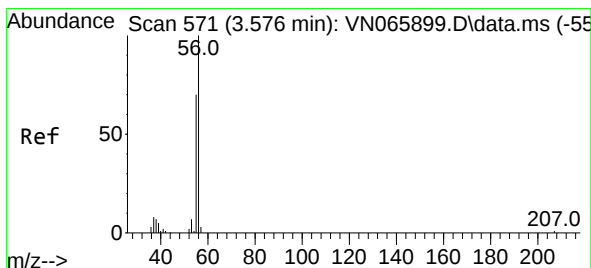
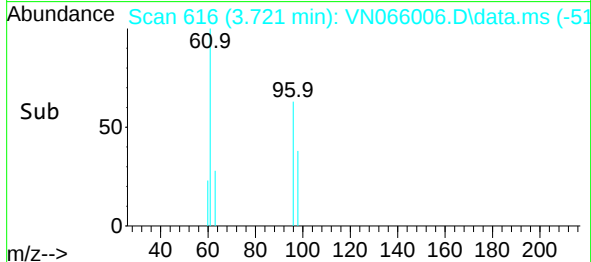
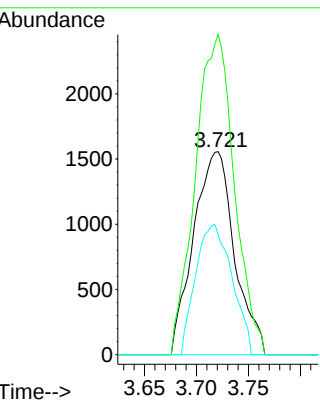
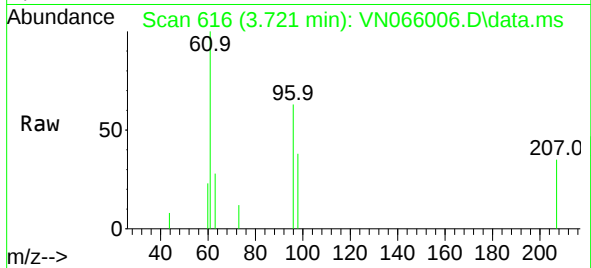




#12
1,1-Dichloroethene
Concen: 3.01 ug/l
RT: 3.721 min Scan# 616
Delta R.T. 0.023 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

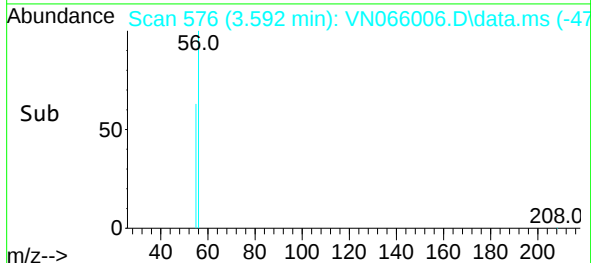
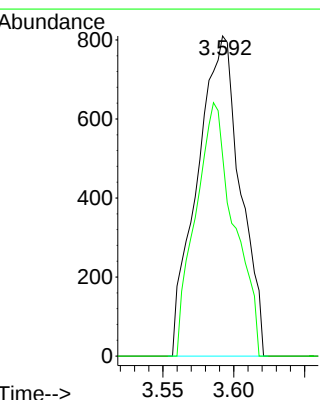
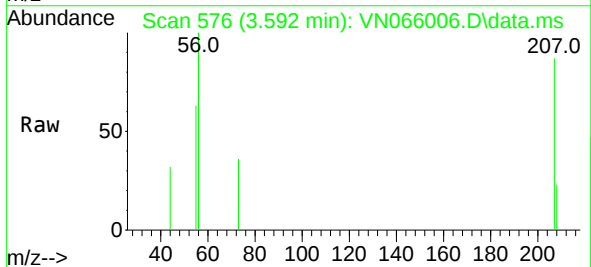
Instrument :
MSVOA_N
ClientSampled :

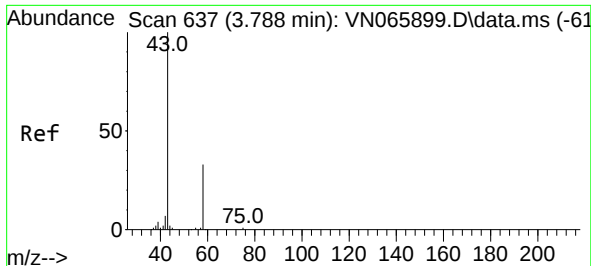
Tgt Ion: 96 Resp: 4258
Ion Ratio Lower Upper
96 100
61 157.6 122.5 183.7
98 59.4 50.8 76.2



#13
Acrolein
Concen: 7.66 ug/l
RT: 3.592 min Scan# 576
Delta R.T. 0.016 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 56 Resp: 1716
Ion Ratio Lower Upper
56 100
55 70.3 56.0 84.0

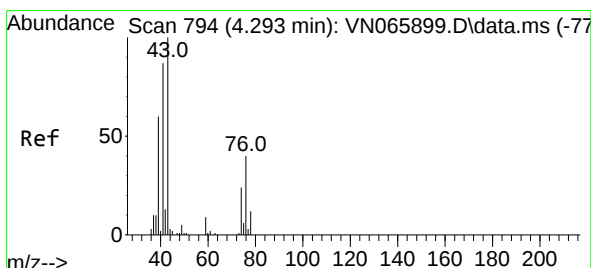
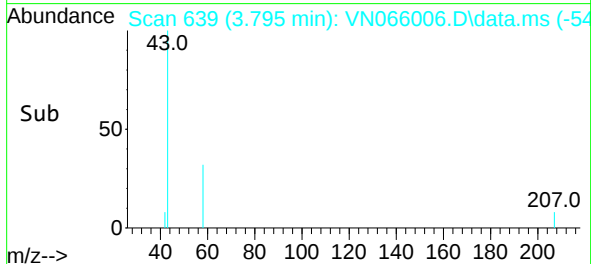
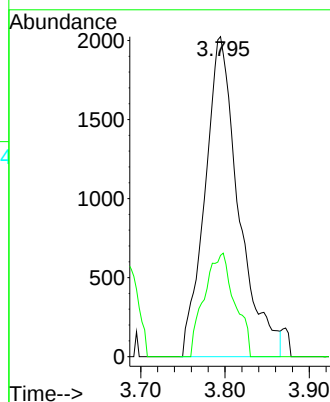
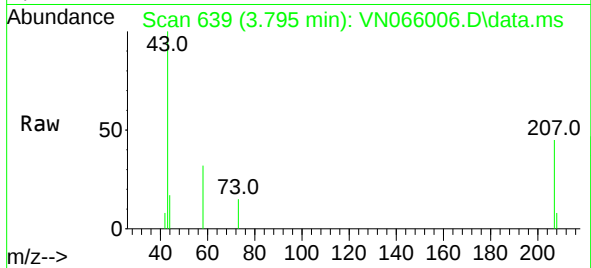




#16
Acetone
Concen: 8.61 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

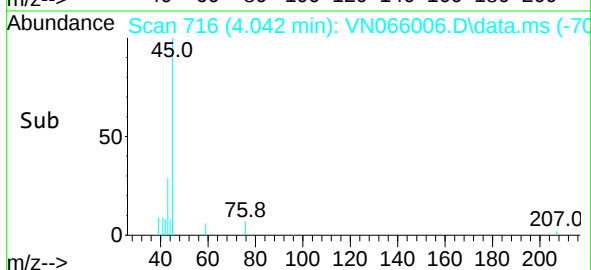
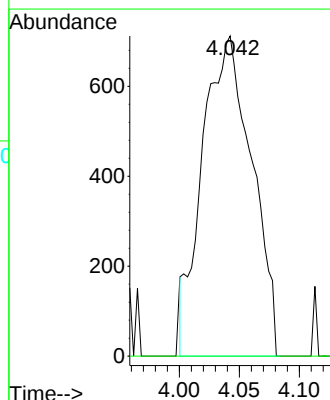
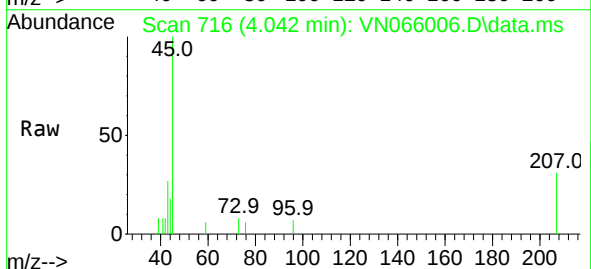
Instrument :
MSVOA_N
ClientSampled :

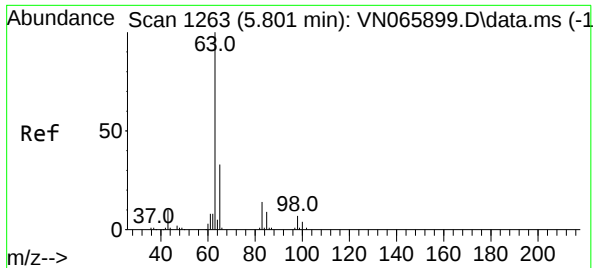
Tgt Ion: 43 Resp: 5620
Ion Ratio Lower Upper
43 100
58 31.6 27.0 40.6



#18
Methyl Acetate
Concen: 1.40 ug/l
RT: 4.042 min Scan# 716
Delta R.T. -0.251 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

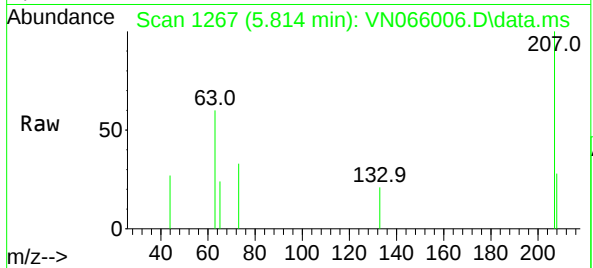
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



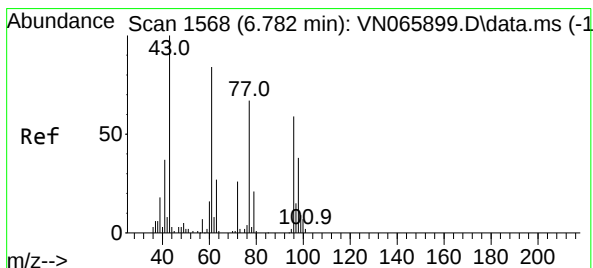
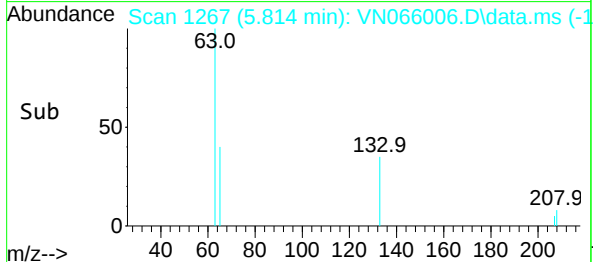
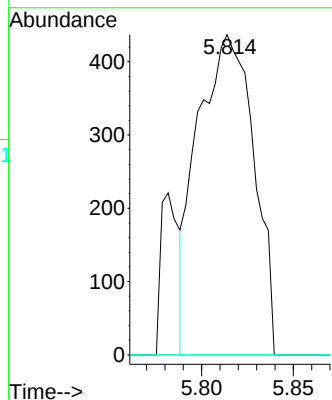


#24
 1,1-Dichloroethane
 Concen: 0.33 ug/l
 RT: 5.814 min Scan# 1267
 Delta R.T. 0.013 min
 Lab File: VN066006.D
 Acq: 24 Feb 2021 16:05

Instrument :
 MSVOA_N
 ClientSampled :

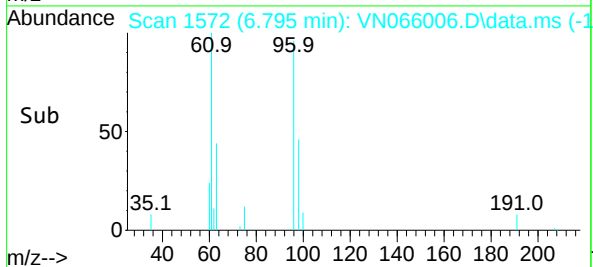
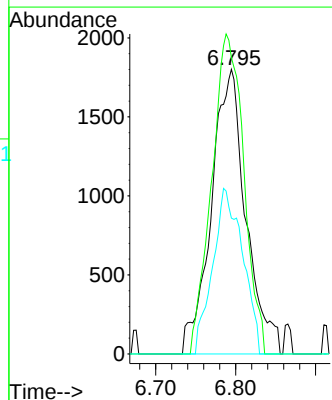
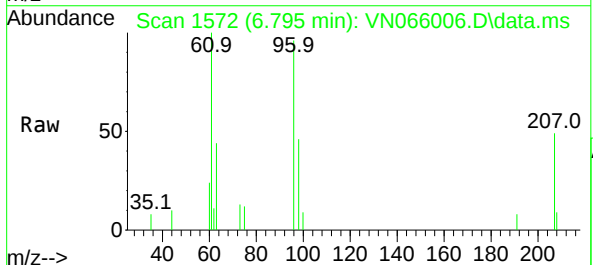


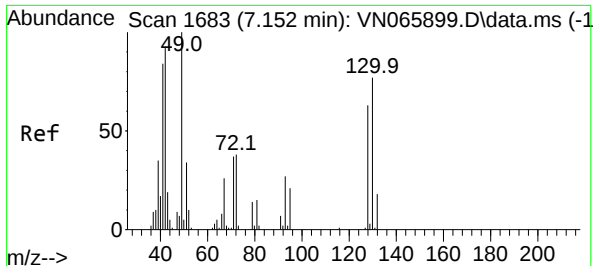
Tgt Ion:	63	Resp:	932
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	0.0	2.3	6.9#



#27
 cis-1,2-Dichloroethene
 Concen: 3.19 ug/l
 RT: 6.795 min Scan# 1572
 Delta R.T. 0.013 min
 Lab File: VN066006.D
 Acq: 24 Feb 2021 16:05

Tgt Ion:	96	Resp:	5401
Ion	Ratio	Lower	Upper
96	100		
61	104.5	0.0	276.8
98	50.5	0.0	129.4





#28

Bromochloromethane

Concen: 1.78 ug/l

RT: 7.338 min Scan# 1741

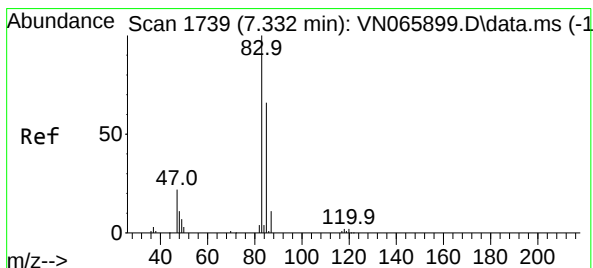
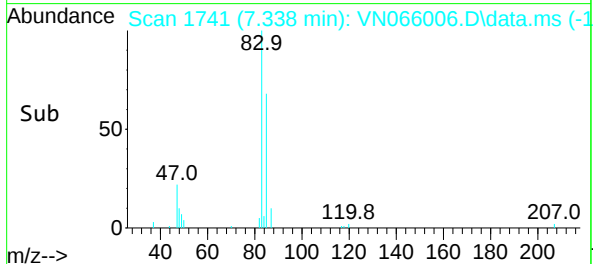
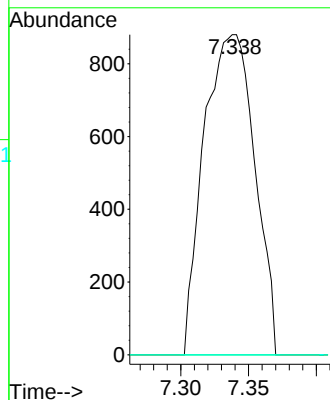
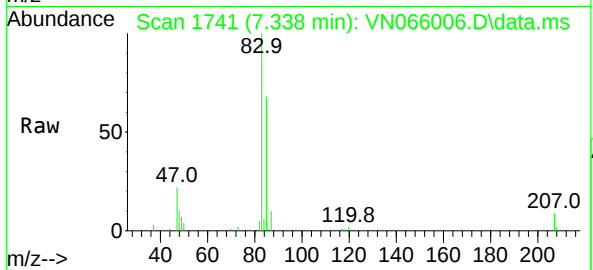
Delta R.T. 0.186 min

Lab File: VN066006.D

Acq: 24 Feb 2021 16:05

Tgt Ion:	49	Resp:	2296
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	3.6
130	0.0	67.8	101.6#

Instrument :
MSVOA_N
ClientSampled :



#30

Chloroform

Concen: 11.52 ug/l

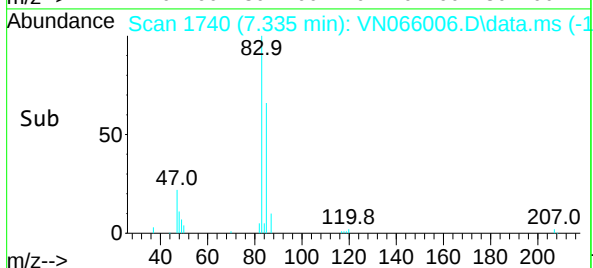
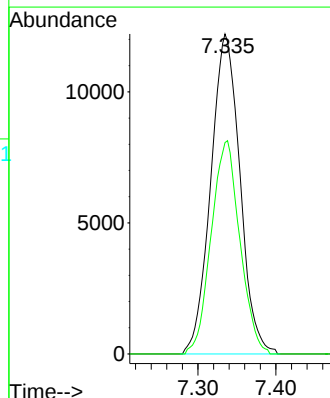
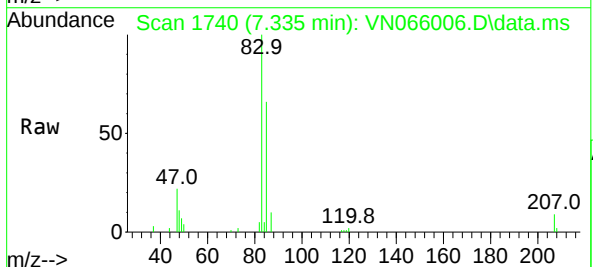
RT: 7.335 min Scan# 1740

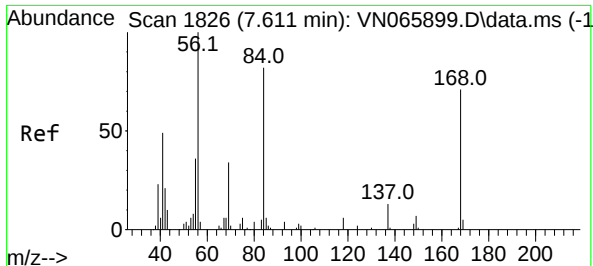
Delta R.T. 0.003 min

Lab File: VN066006.D

Acq: 24 Feb 2021 16:05

Tgt Ion:	83	Resp:	31751
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.6	78.8

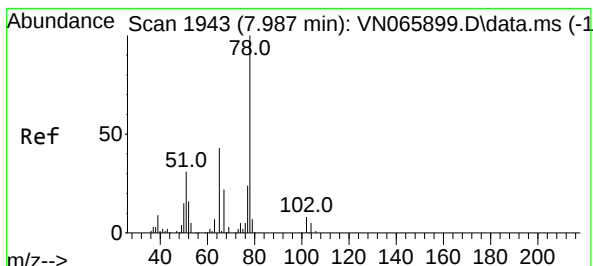
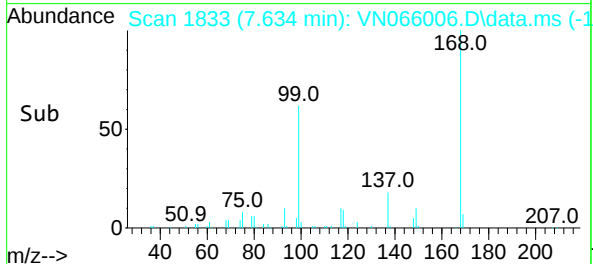
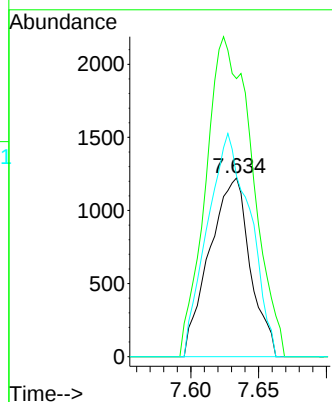
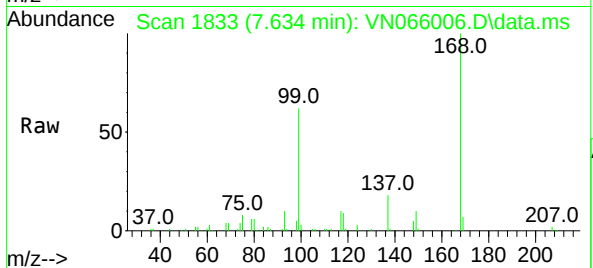




#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.634 min Scan# 1833
Delta R.T. 0.023 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

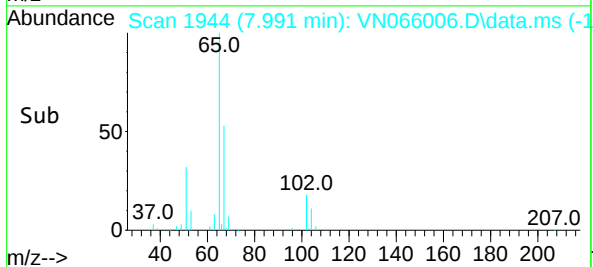
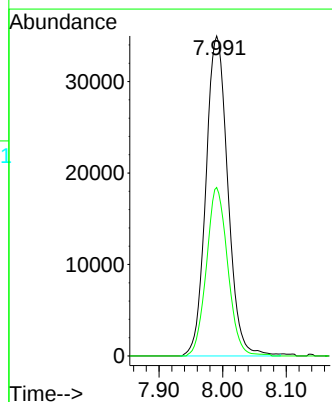
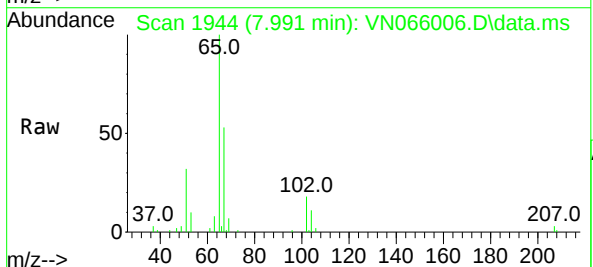
Instrument :
MSVOA_N
ClientSampled :

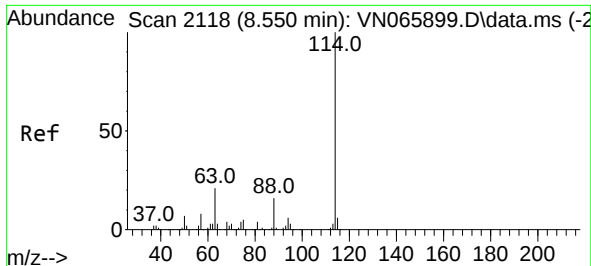
Tgt Ion: 56 Resp: 2552
Ion Ratio Lower Upper
56 100
69 155.6 26.6 39.8#
84 101.1 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 47.60 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 65 Resp: 83842
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.2

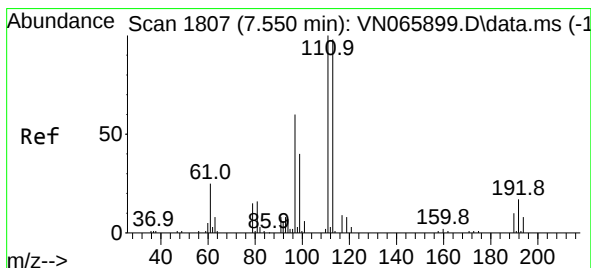
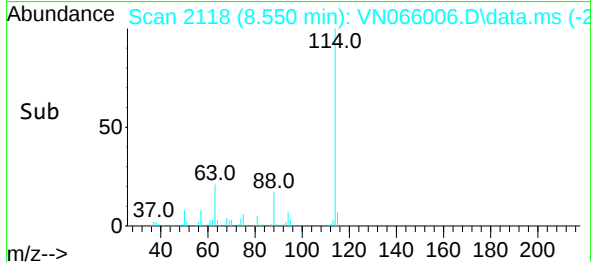
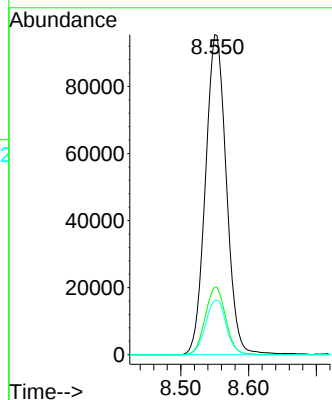
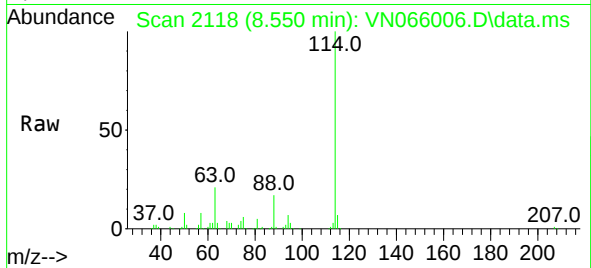




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

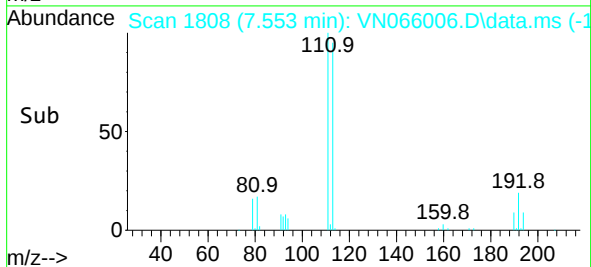
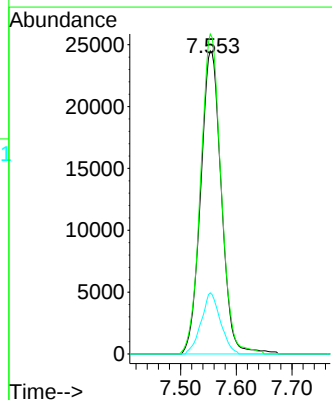
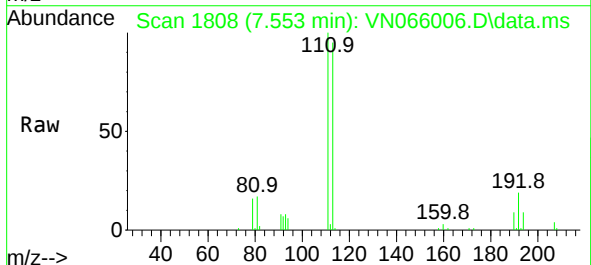
Instrument :
MSVOA_N
ClientSampled :

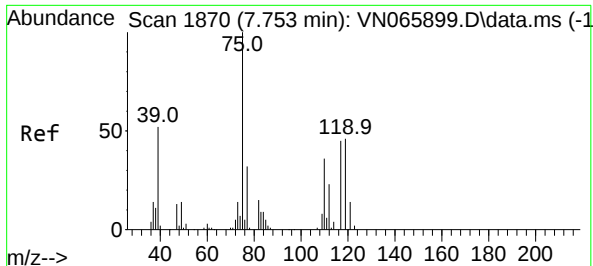
Tgt Ion:114 Resp: 204533
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.6
88 16.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.95 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion:113 Resp: 63226
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 18.7 15.4 23.0



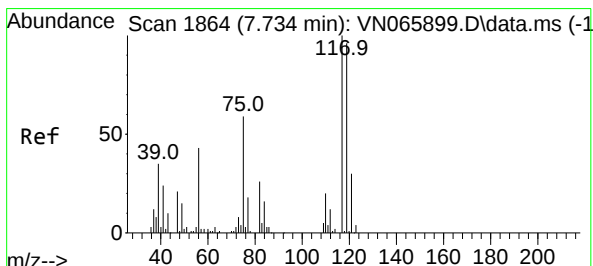
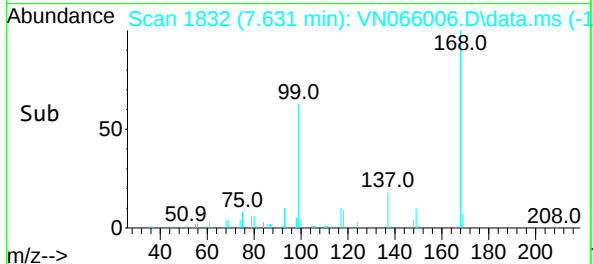
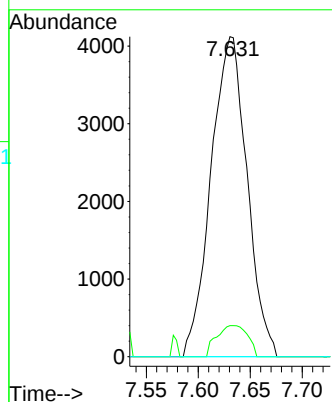
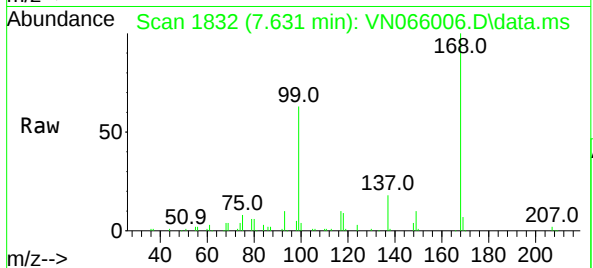


#36

1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Instrument :
MSVOA_N
ClientSampled :

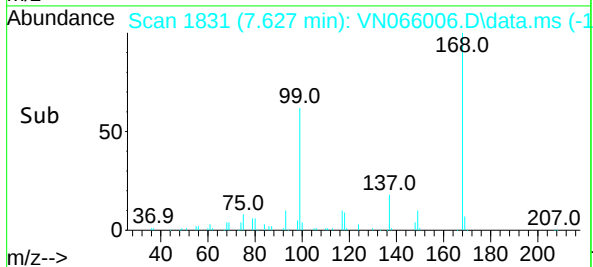
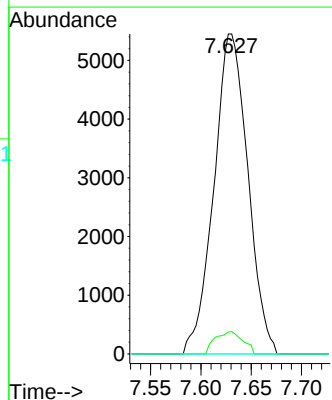
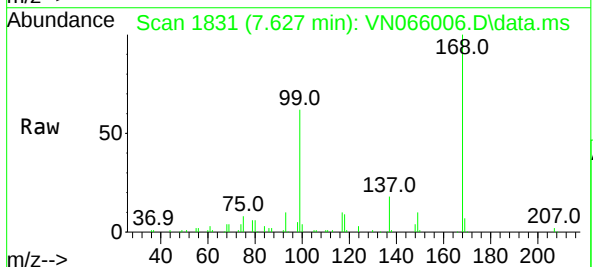
Tgt Ion: 75 Resp: 9933
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.0 24.9 37.3#

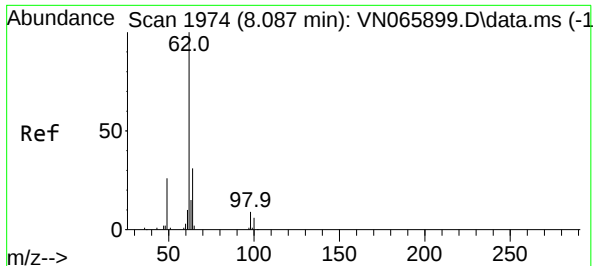


#38

Carbon Tetrachloride
Concen: 6.83 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 117 Resp: 12798
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 24.5 36.7#

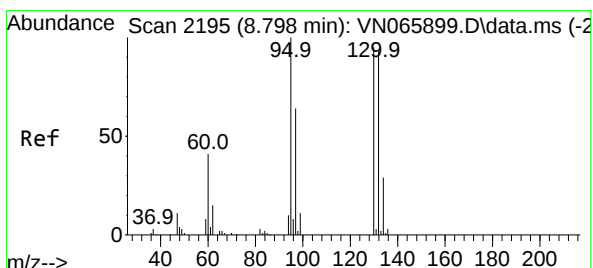
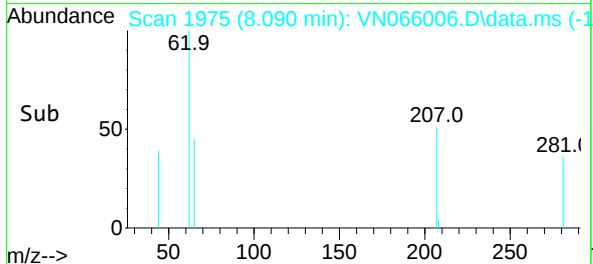
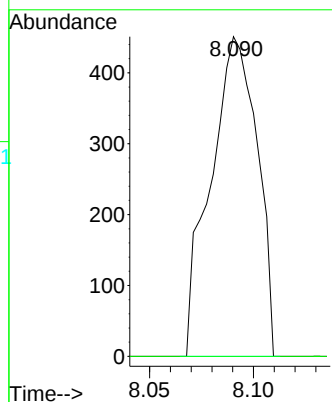
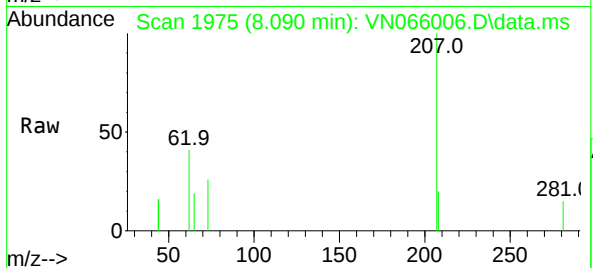




#42
1,2-Dichloroethane
Concen: 0.35 ug/l
RT: 8.090 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

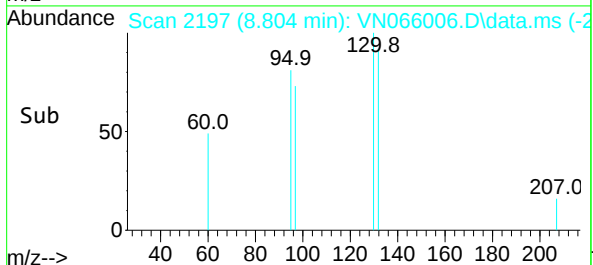
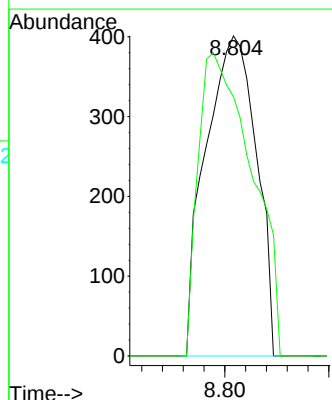
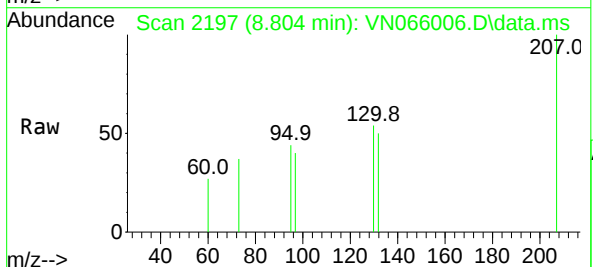
Instrument :
MSVOA_N
ClientSampled :

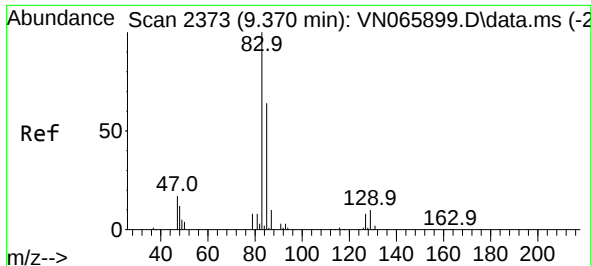
Tgt Ion: 62 Resp: 705
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6



#44
Trichloroethene
Concen: 0.44 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. 0.006 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 130 Resp: 678
Ion Ratio Lower Upper
130 100
95 81.0 0.0 199.6

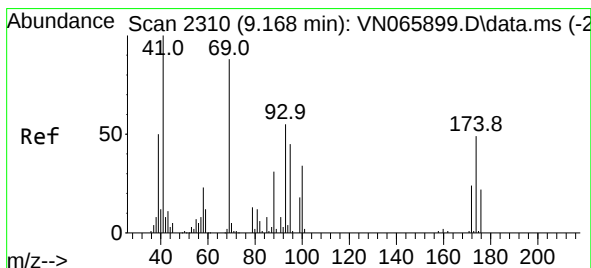
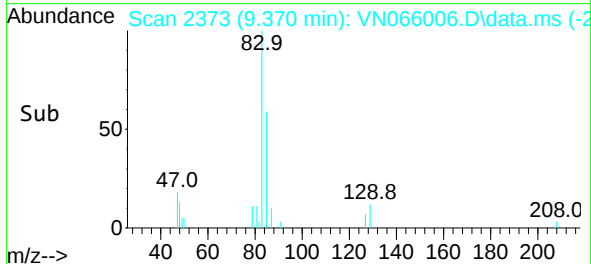
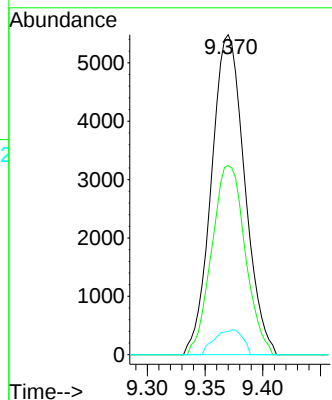
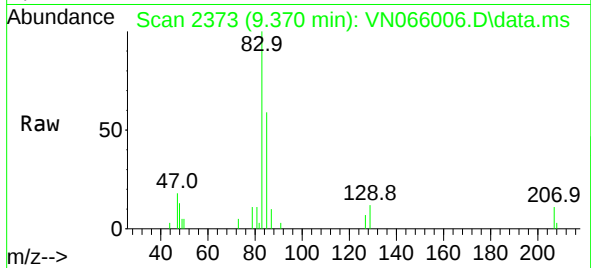




#47
Bromodichloromethane
Concen: 5.58 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

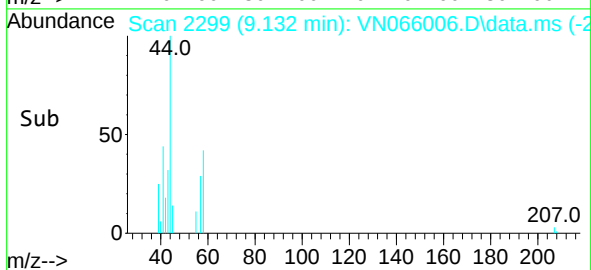
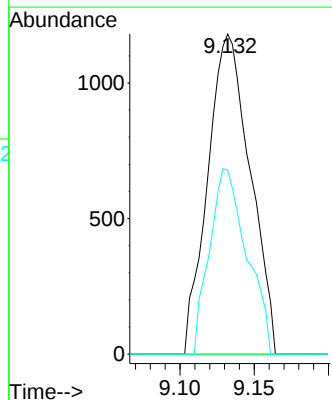
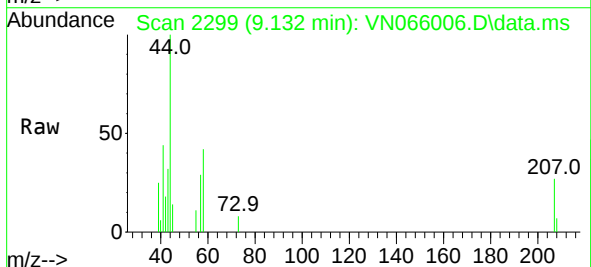
Instrument :
MSVOA_N
ClientSampled :

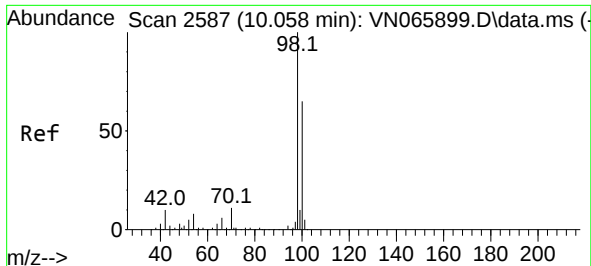
Tgt Ion: 83 Resp: 10972
Ion Ratio Lower Upper
83 100
85 59.1 51.0 76.4
127 7.2 7.0 10.6



#48
Methyl methacrylate
Concen: 1.59 ug/l
RT: 9.132 min Scan# 2299
Delta R.T. -0.036 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 41 Resp: 2343
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 51.0 46.6 69.8

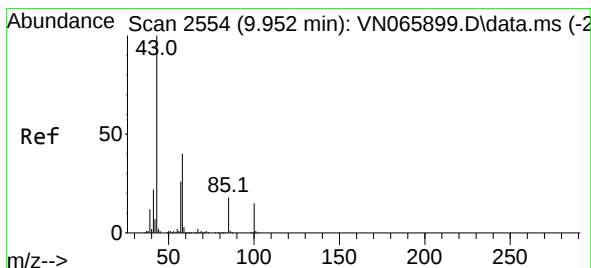
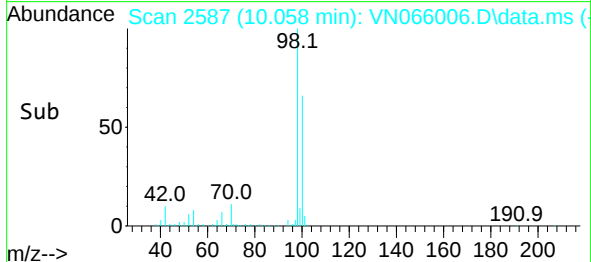
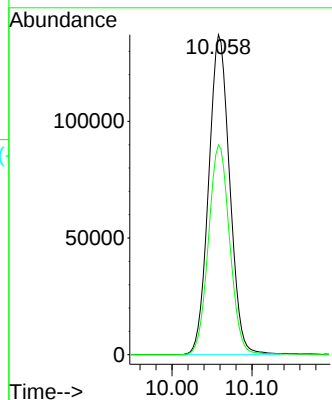
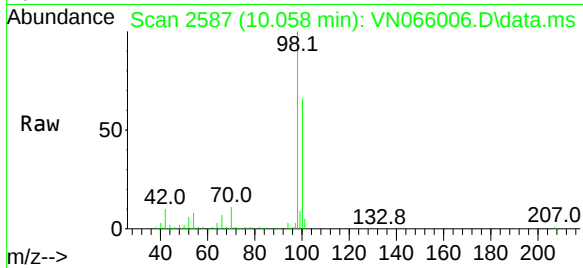




#50
Toluene-d8
Concen: 48.23 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

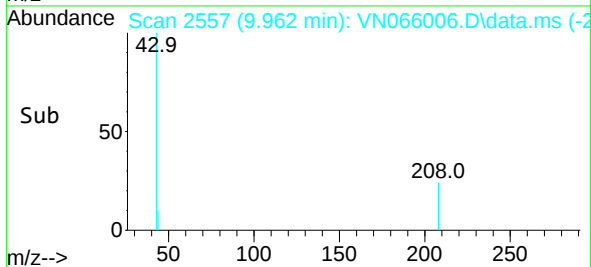
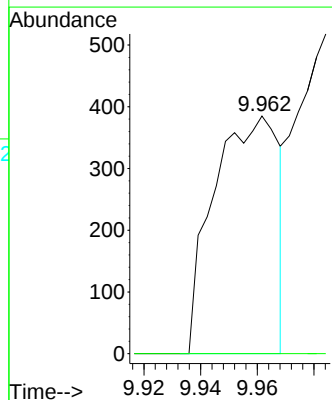
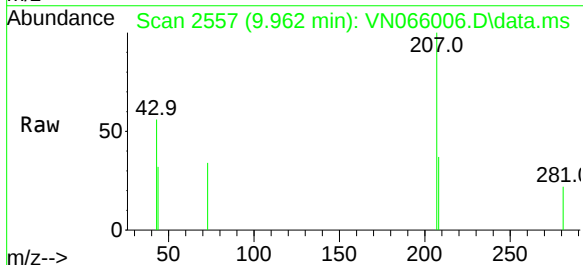
Instrument :
MSVOA_N
ClientSampled :

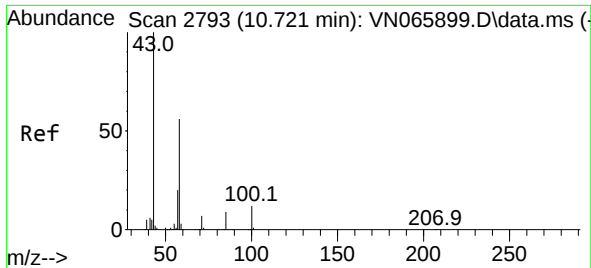
Tgt Ion: 98 Resp: 250609
Ion Ratio Lower Upper
98 100
100 66.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 9.962 min Scan# 2557
Delta R.T. 0.010 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

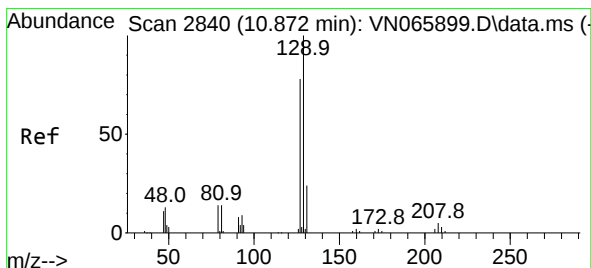
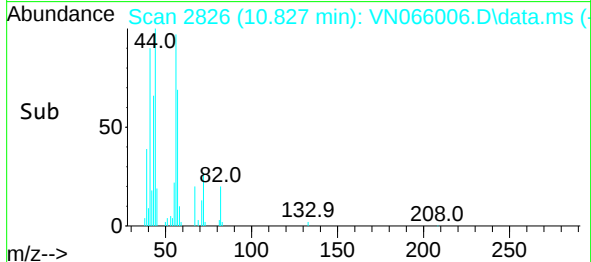
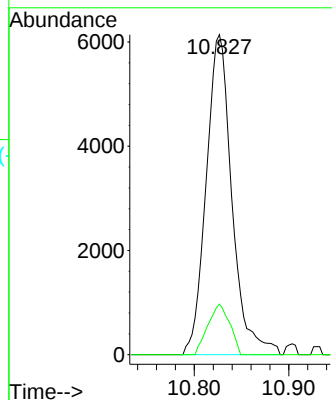
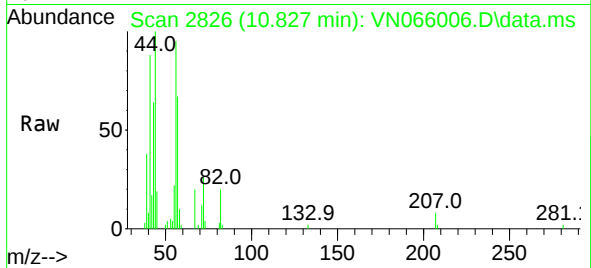




#59
2-Hexanone
Concen: 9.24 ug/l
RT: 10.827 min Scan# 2826
Delta R.T. 0.106 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

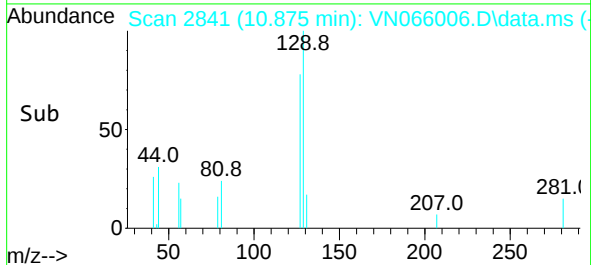
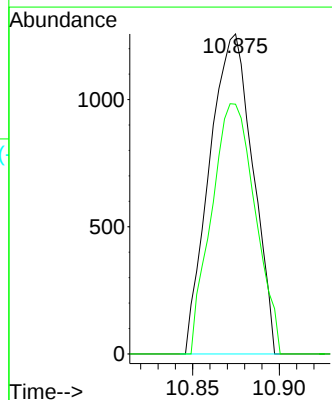
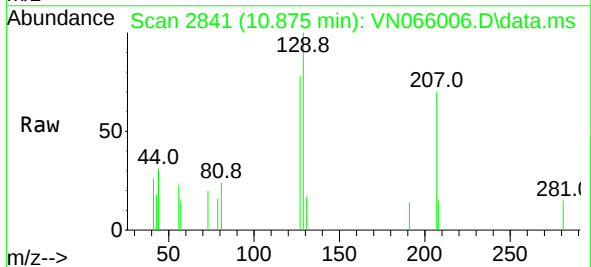
Instrument :
MSVOA_N
ClientSampled :

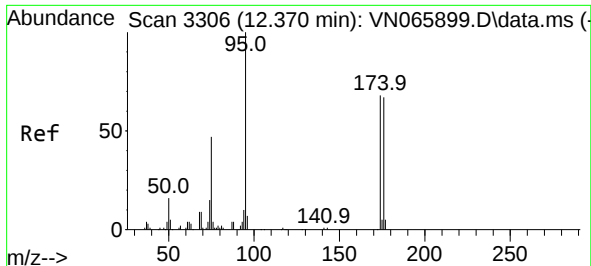
Tgt Ion: 43 Resp: 11625
Ion Ratio Lower Upper
43 100
58 13.4 28.1 84.3#



#60
Dibromochloromethane
Concen: 1.50 ug/l
RT: 10.875 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 129 Resp: 2183
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.5

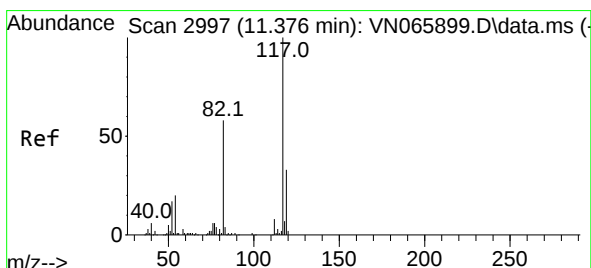
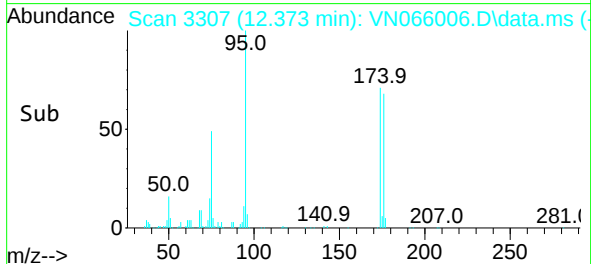
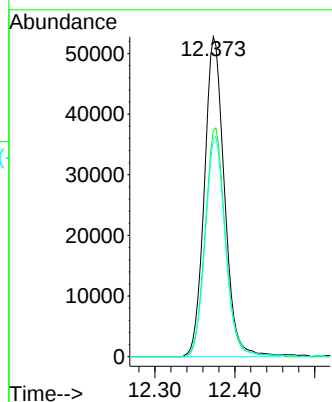
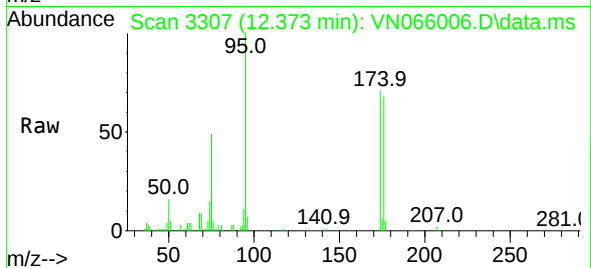




#62
4-Bromofluorobenzene
Concen: 47.11 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

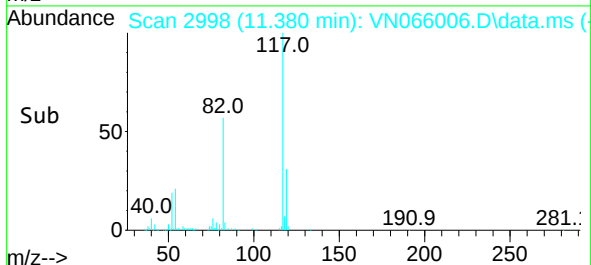
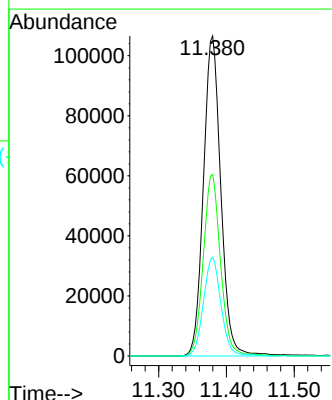
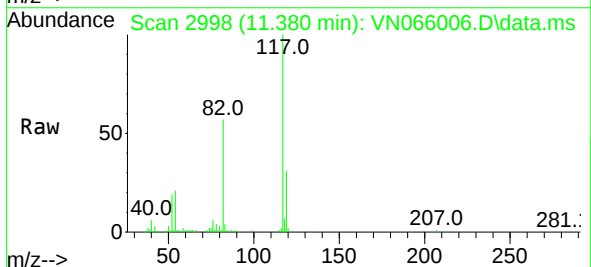
Instrument :
MSVOA_N
ClientSampled :

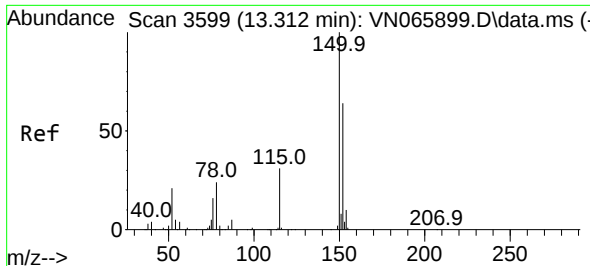
Tgt Ion: 95 Resp: 91891
Ion Ratio Lower Upper
95 100
174 72.2 0.0 169.0
176 70.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 117 Resp: 189892
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 30.9 26.1 39.1

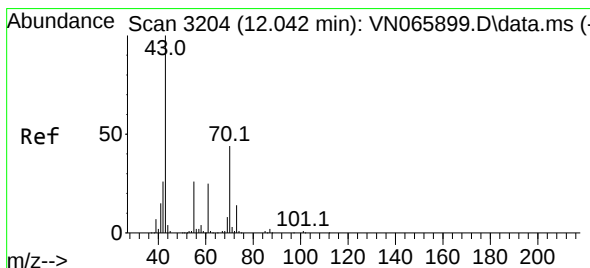
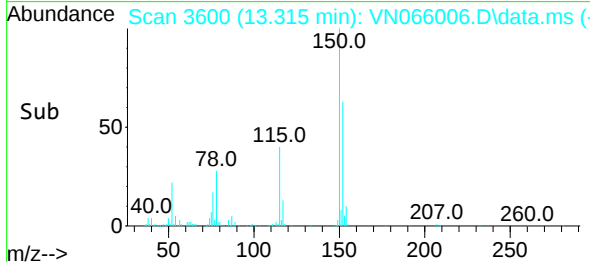
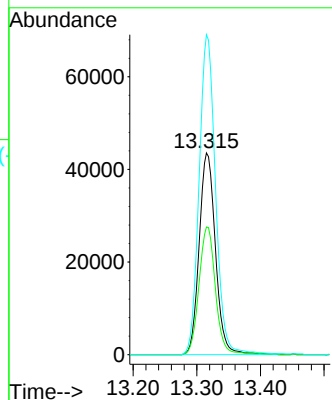
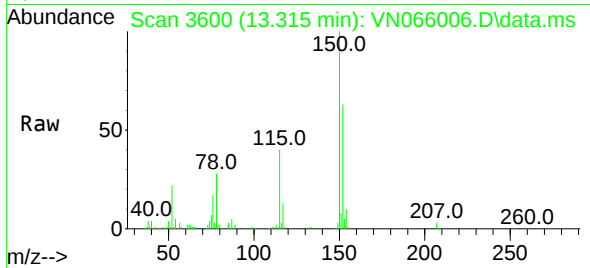




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

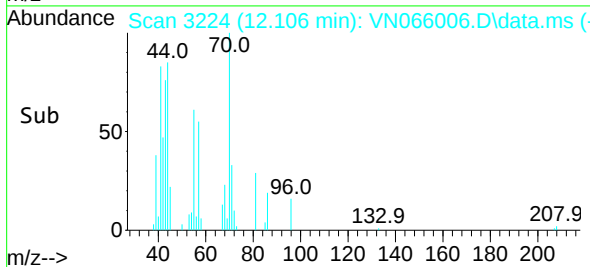
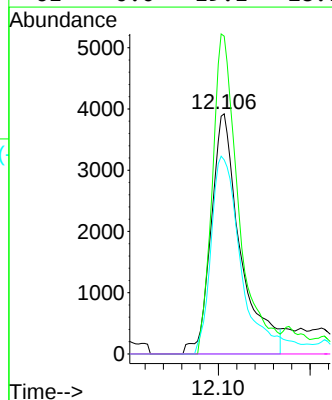
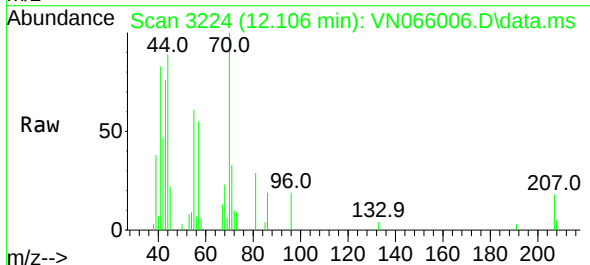
Instrument :
MSVOA_N
ClientSampled :

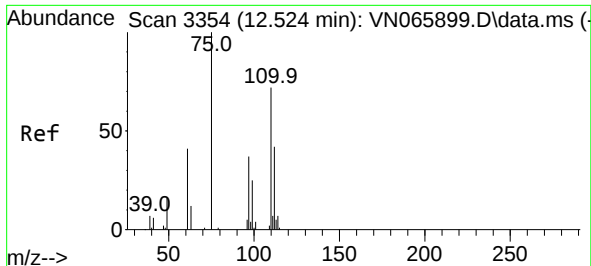
Tgt Ion:152 Resp: 77730
Ion Ratio Lower Upper
152 100
115 63.6 28.5 85.6
150 159.6 0.0 347.6



#74
N-ethyl acetate
Concen: 3.95 ug/l
RT: 12.106 min Scan# 3224
Delta R.T. 0.064 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 43 Resp: 8685
Ion Ratio Lower Upper
43 100
70 120.4 34.4 51.6#
55 86.4 20.7 31.1#
61 0.0 19.1 28.7#

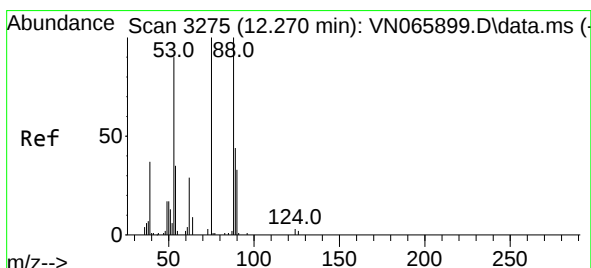
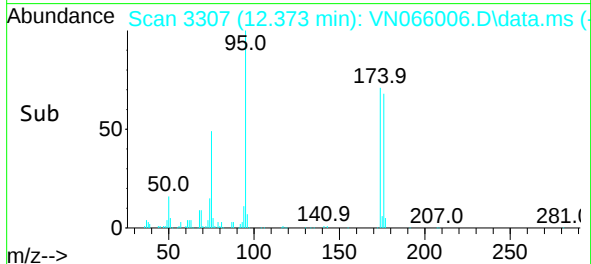
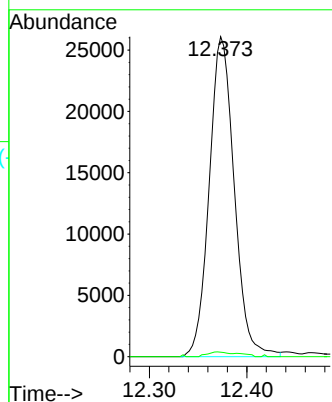
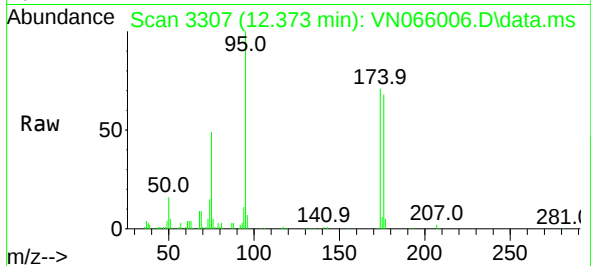




#76
1,2,3-Trichloropropane
Concen: 24.92 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

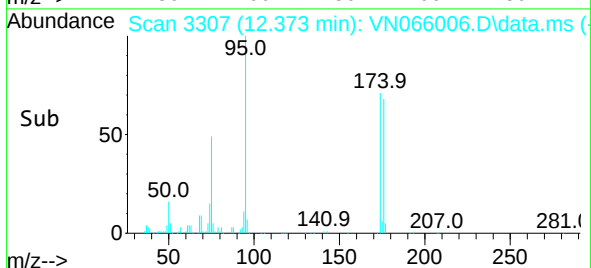
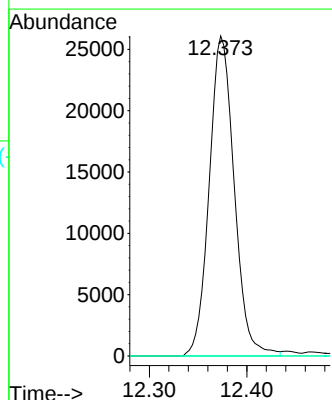
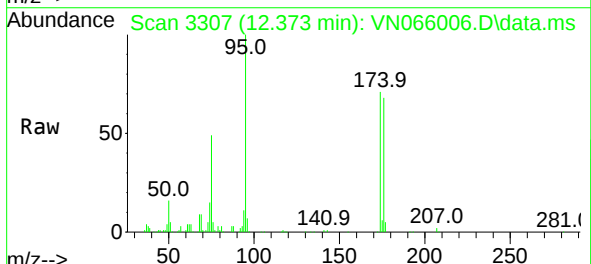
Instrument :
MSVOA_N
ClientSampled :

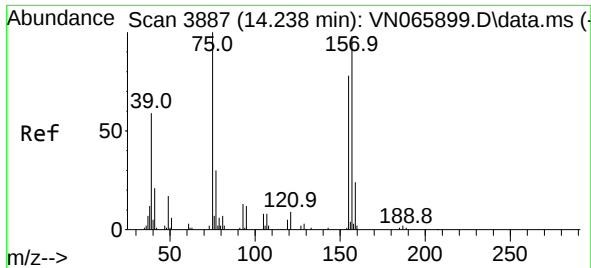
Tgt Ion: 75 Resp: 46533
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.42 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion: 75 Resp: 46533
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

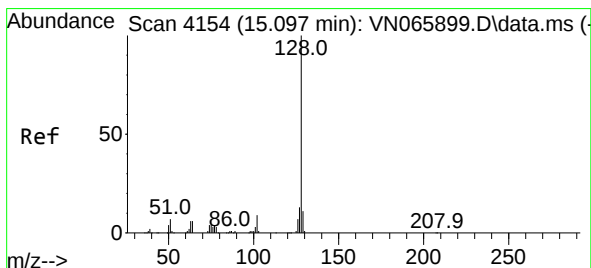
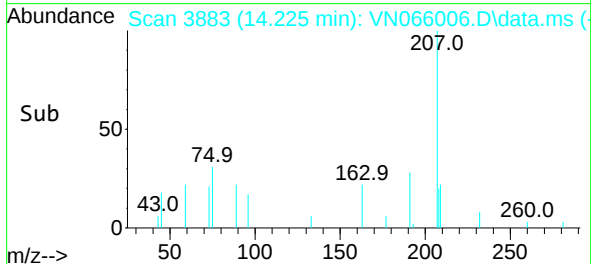
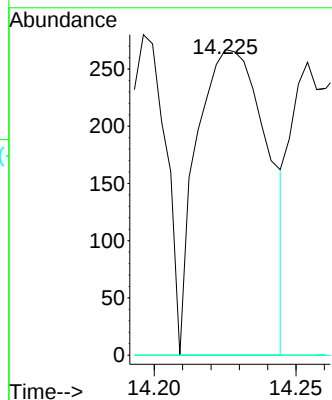
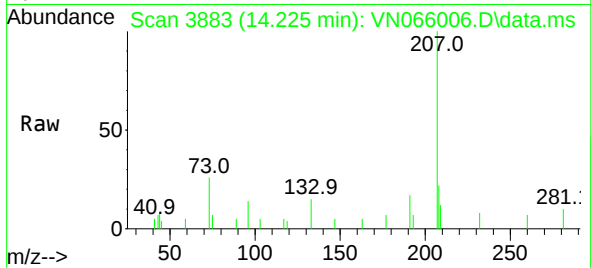




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.07 ug/l
RT: 14.225 min Scan# 3883
Delta R.T. -0.013 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 460
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 3.07 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN066006.D
Acq: 24 Feb 2021 16:05

Tgt Ion:128 Resp: 66
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

