

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066989.D
 Acq On : 5 May 2021 15:22
 Operator : JC/MD
 Sample : PB136154ZHE#17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:50:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

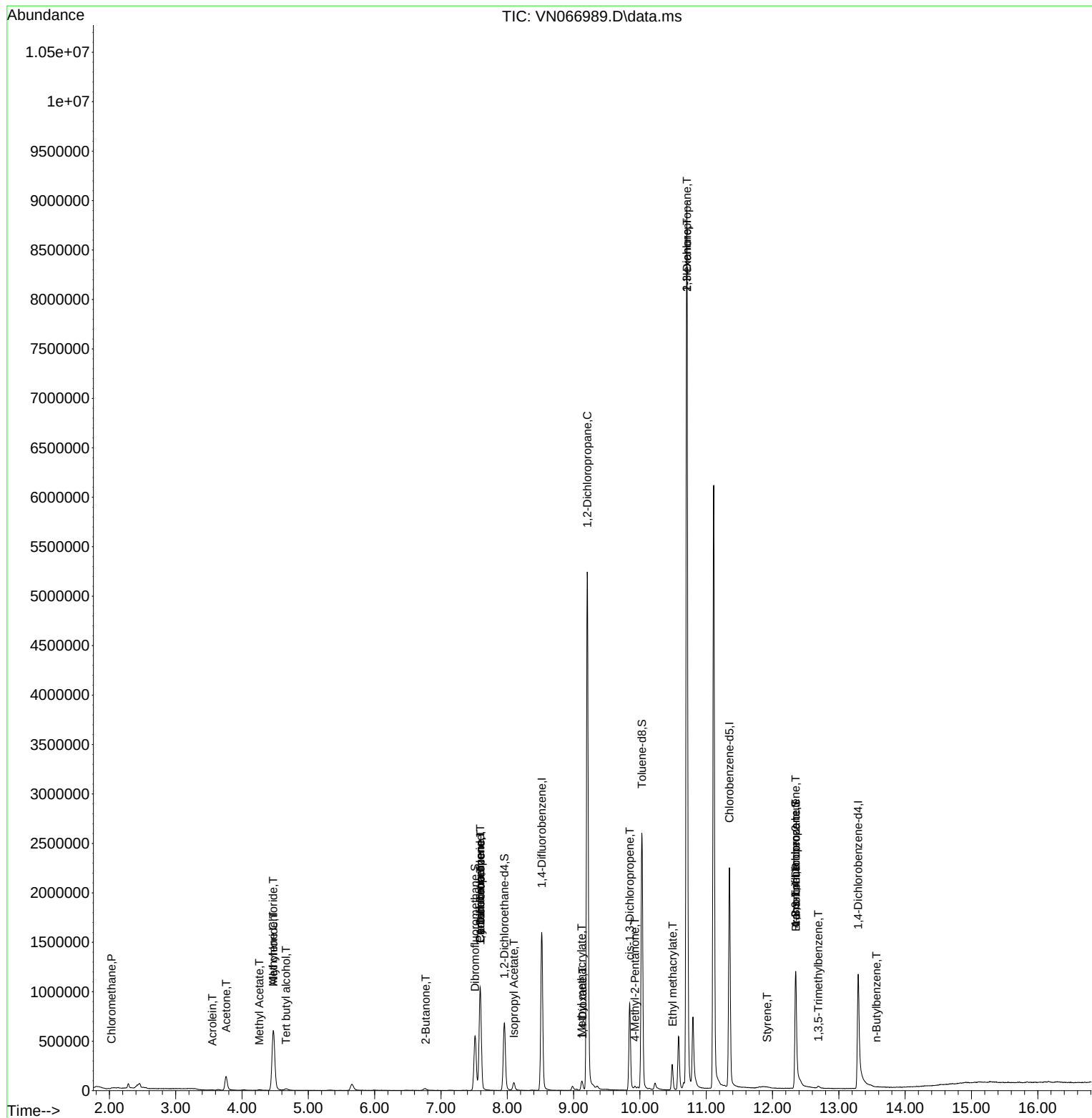
Internal Standards						
1) Pentafluorobenzene	7.592	168	815974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	1406759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	1286639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	442773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.957	65	597117	46.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.98%		
35) Dibromofluoromethane	7.514	113	437970	45.85	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.70%		
50) Toluene-d8	10.030	98	1814199	49.87	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.74%		
62) 4-Bromofluorobenzene	12.347	95	572005	46.44	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.88%		
Target Compounds						Qvalue
3) Chloromethane	2.032	50	3808	0.24	ug/l	90
11) Tert butyl alcohol	4.663	59	14337	7.91	ug/l #	73
13) Acrolein	3.553	56	2366	1.57	ug/l #	55
14) Allyl chloride	4.473	41	19597	1.10	ug/l #	25
16) Acetone	3.760	43	236852	52.42	ug/l	97
18) Methyl Acetate	4.261	43	6448	0.50	ug/l #	84
20) Methylene Chloride	4.470	84	452012	39.44	ug/l	90
25) 2-Butanone	6.769	43	18059	2.71	ug/l	94
31) Cyclohexane	7.592	56	18656	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.595	75	70050	4.78	ug/l #	48
38) Carbon Tetrachloride	7.592	117	84348	5.52	ug/l #	17
43) Isopropyl Acetate	8.099	43	101178	4.17	ug/l #	89
45) 1,2-Dichloropropane	9.207	63	7411	0.58	ug/l #	44
48) Methyl methacrylate	9.121	41	21973	2.05	ug/l #	10
49) 1,4-Dioxane	9.137	88	55	0.32	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	21546	1.54	ug/l	89
54) cis-1,3-Dichloropropene	9.848	75	164834	8.55	ug/l #	60
56) Ethyl methacrylate	10.497	69	1463	5.27	ug/l #	1
57) 1,3-Dichloropropane	10.709	76	99455	5.23	ug/l #	43
59) 2-Hexanone	10.709	43	1450755	153.98	ug/l #	50
70) Styrene	11.918	104	84	4.71	ug/l #	1
71) Bromoform	12.353	173	3022	0.39	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	289300	27.43	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.691	105	14163	0.47	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.350	75	289300	82.00	ug/l #	12
89) n-Butylbenzene	13.568	91	372	5.25	ug/l #	49

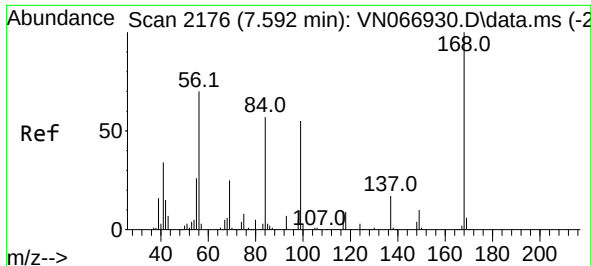
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
Data File : VN066989.D
Acq On : 5 May 2021 15:22
Operator : JC/MD
Sample : PB136154ZHE#17
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 06 04:50:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

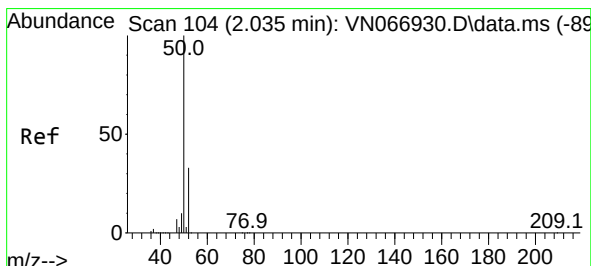
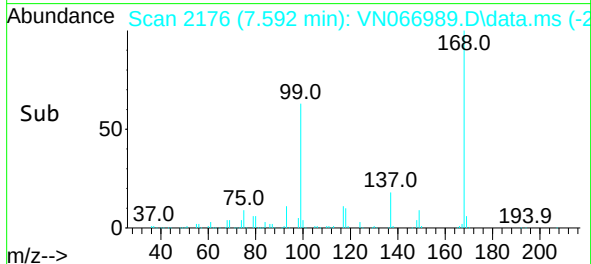
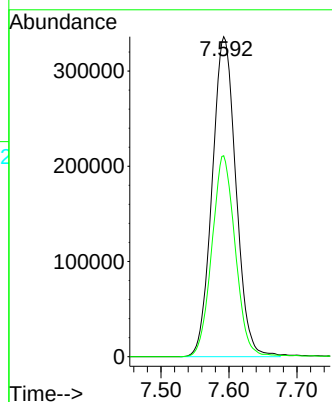
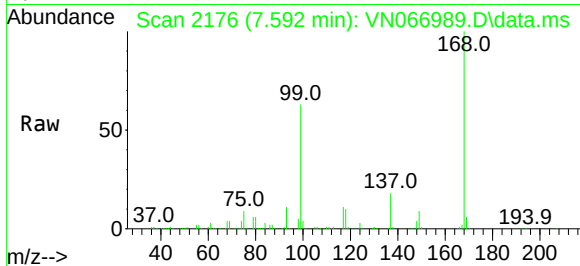




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

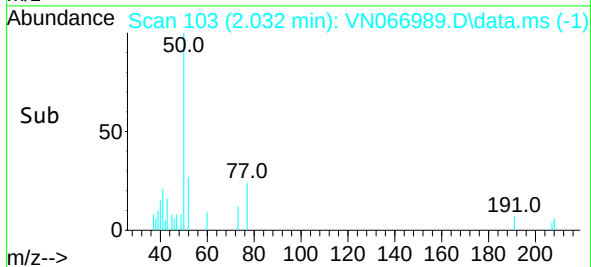
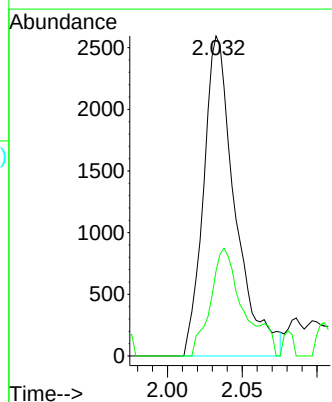
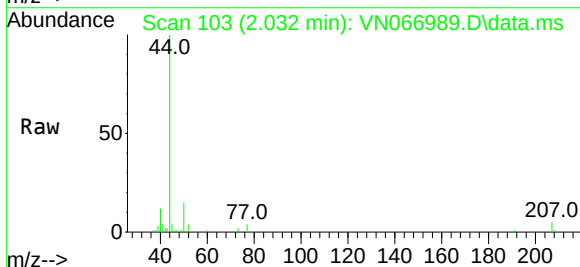
Instrument :
MSVOA_N
ClientSampled :

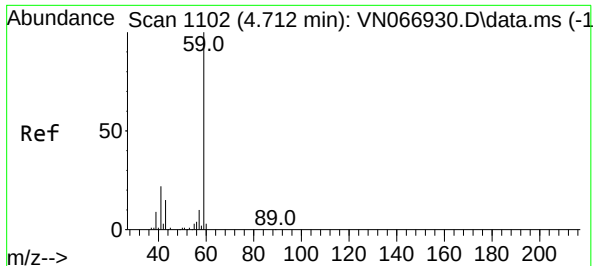
Tgt Ion:168 Resp: 815974
Ion Ratio Lower Upper
168 100
99 62.8 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.032 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion: 50 Resp: 3808
Ion Ratio Lower Upper
50 100
52 26.6 25.8 38.8

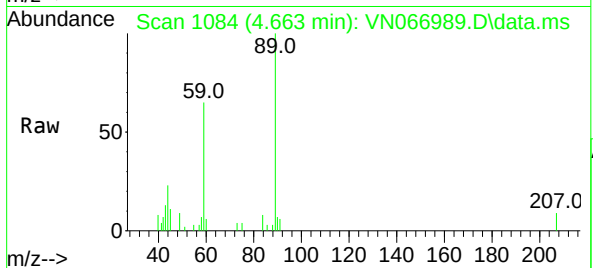




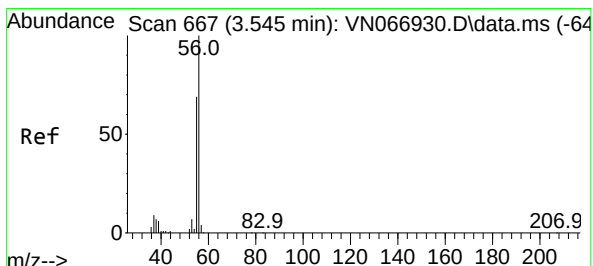
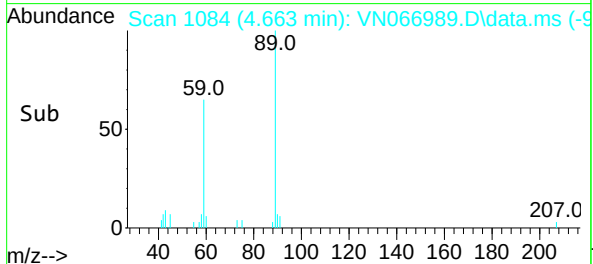
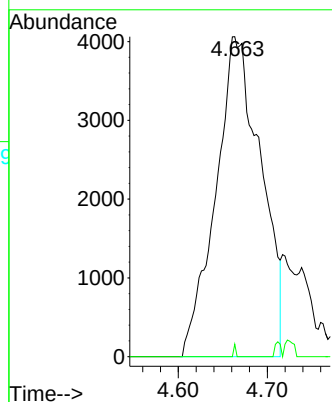
#11

Tert butyl alcohol
Concen: 7.91 ug/l
RT: 4.663 min Scan# 1084
Delta R.T. -0.049 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampled :



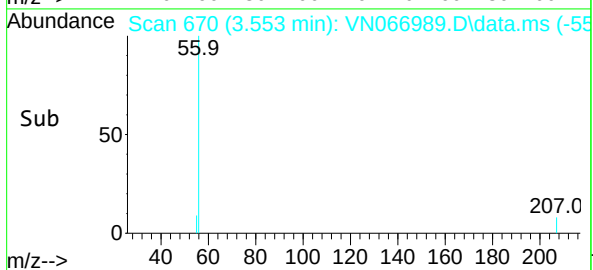
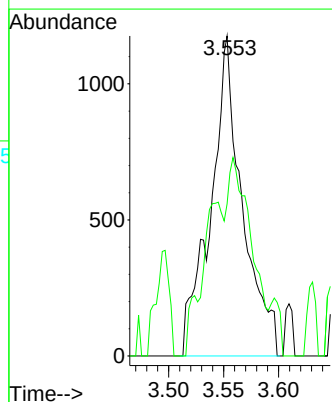
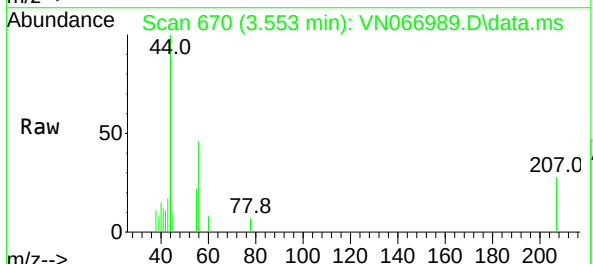
Tgt Ion: 59 Resp: 14337
Ion Ratio Lower Upper
59 100
57 0.2 8.0 12.0#

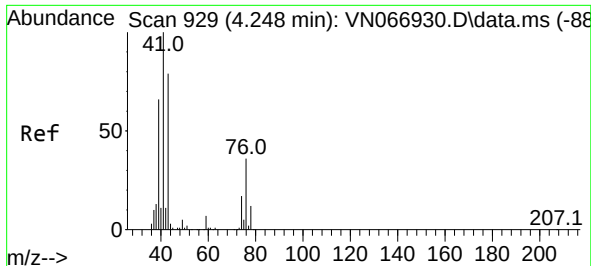


#13

Acrolein
Concen: 1.57 ug/l
RT: 3.553 min Scan# 670
Delta R.T. 0.008 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

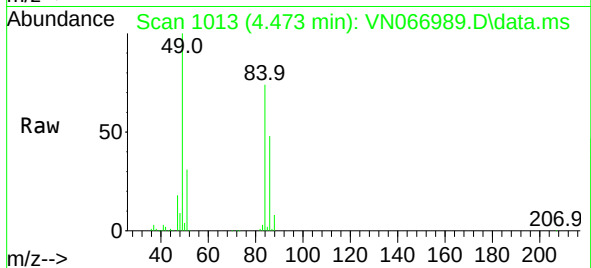
Tgt Ion: 56 Resp: 2366
Ion Ratio Lower Upper
56 100
55 33.1 56.0 84.0#



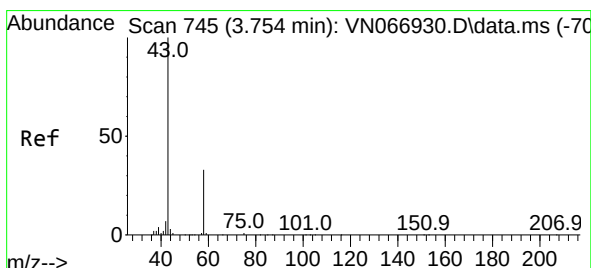
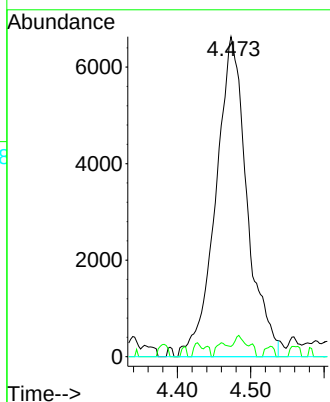
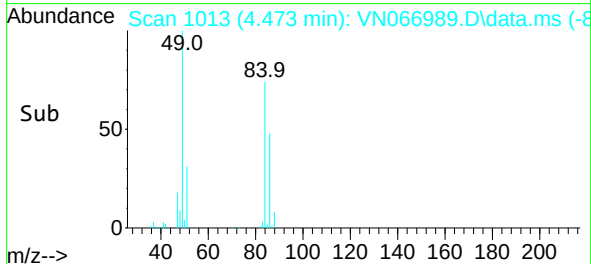


#14
Allyl chloride
Concen: 1.10 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.225 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

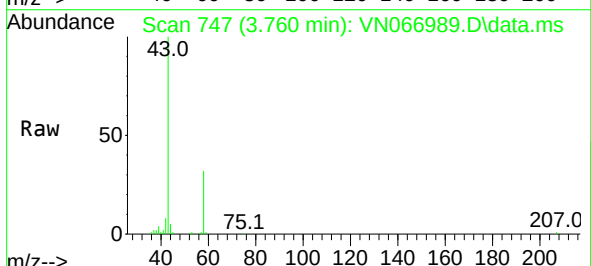
Instrument :
MSVOA_N
ClientSampled :



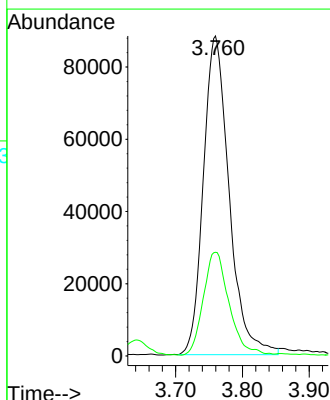
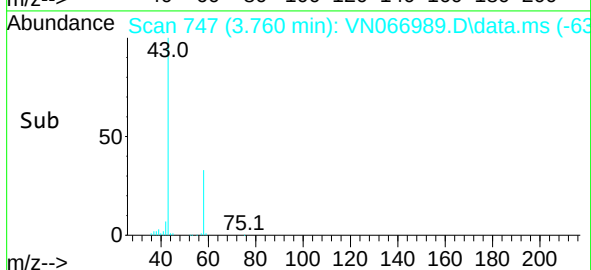
Tgt Ion: 41 Resp: 19597
Ion Ratio Lower Upper
41 100
39 0.9 53.0 79.4#
76 0.0 28.9 43.3#

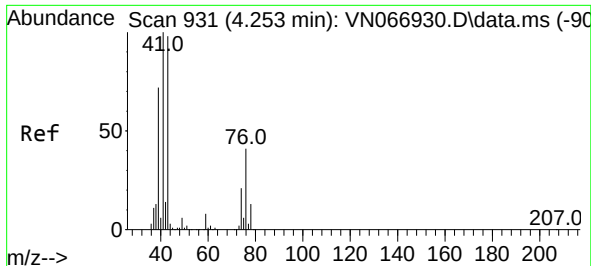


#16
Acetone
Concen: 52.42 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22



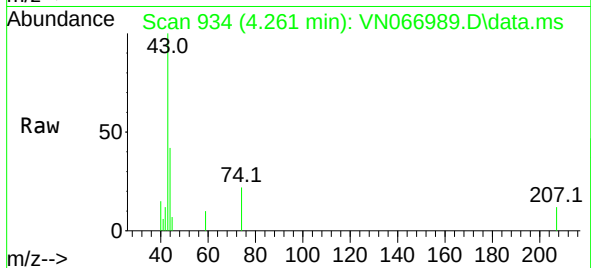
Tgt Ion: 43 Resp: 236852
Ion Ratio Lower Upper
43 100
58 32.2 27.0 40.6



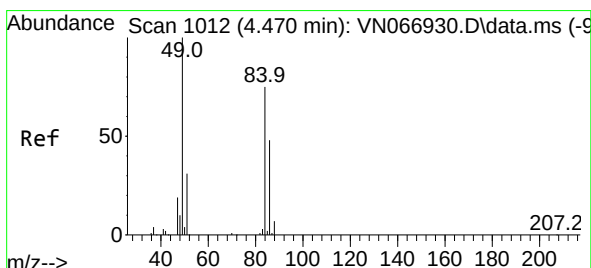
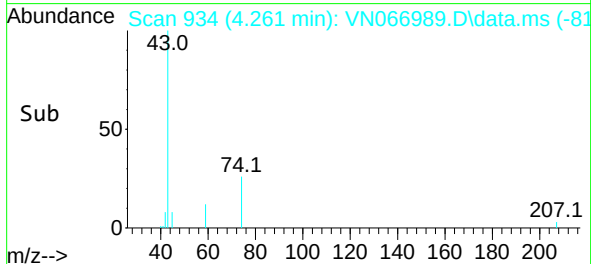
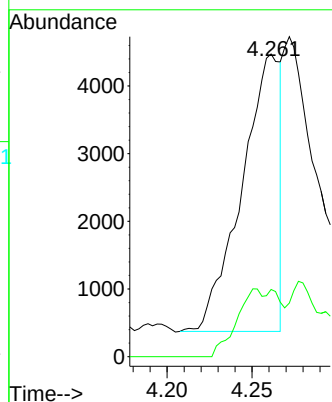


#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 4.261 min Scan# 934
Delta R.T. 0.008 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampleId :

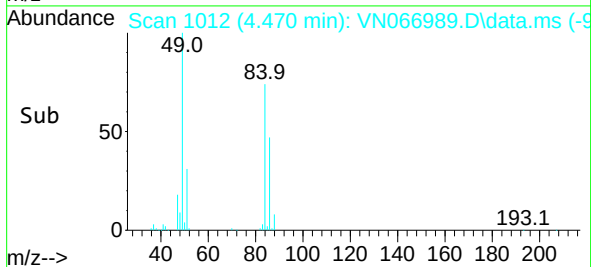
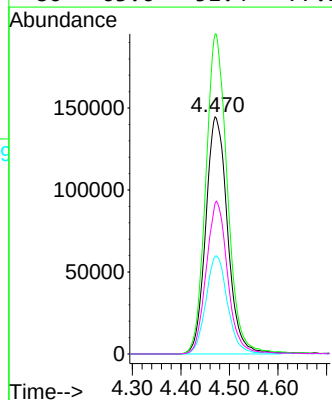
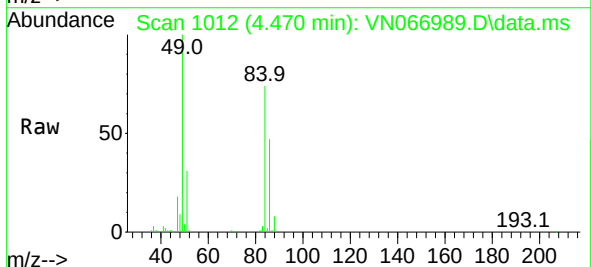


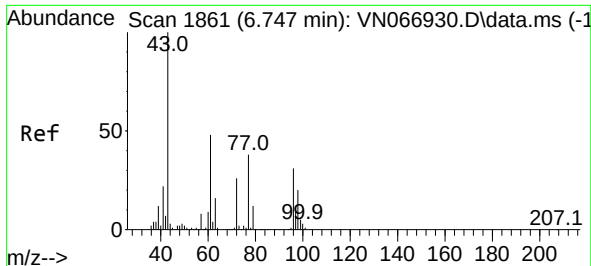
Tgt Ion: 43 Resp: 6448
Ion Ratio Lower Upper
43 100
74 16.3 19.5 29.3#



#20
Methylene Chloride
Concen: 39.44 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

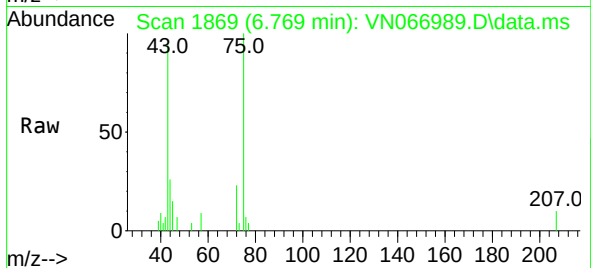
Tgt Ion: 84 Resp: 452012
Ion Ratio Lower Upper
84 100
49 135.0 94.6 141.8
51 41.2 29.9 44.9
86 63.6 51.4 77.2



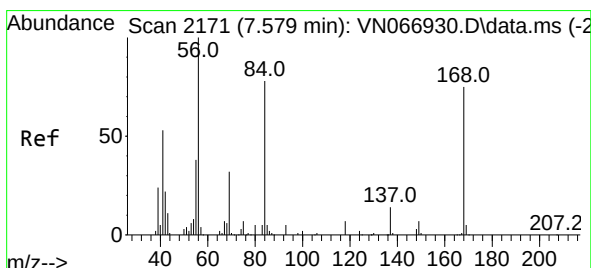
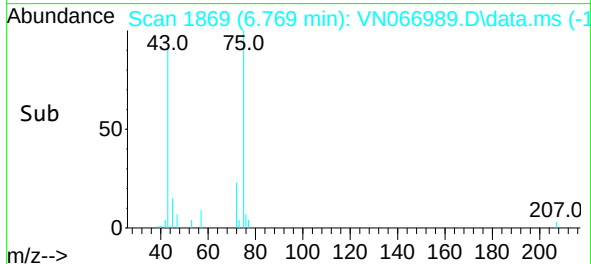
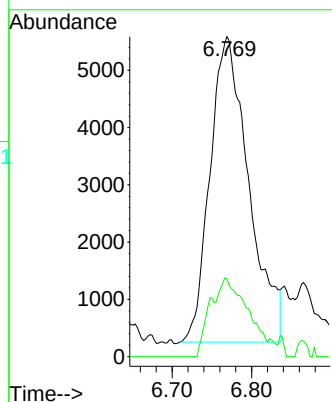


#25
2-Butanone
Concen: 2.71 ug/l
RT: 6.769 min Scan# 1869
Delta R.T. 0.022 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampled :

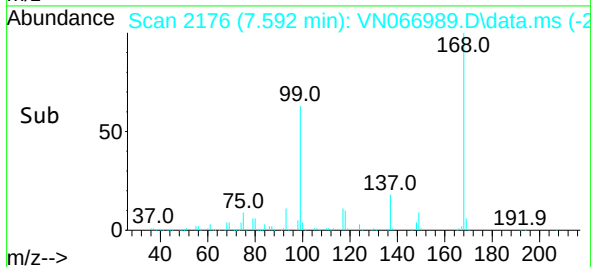
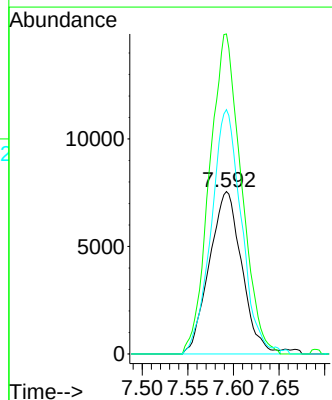
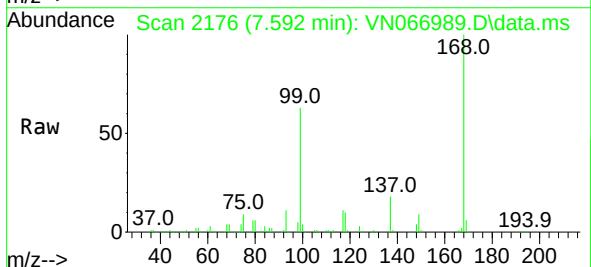


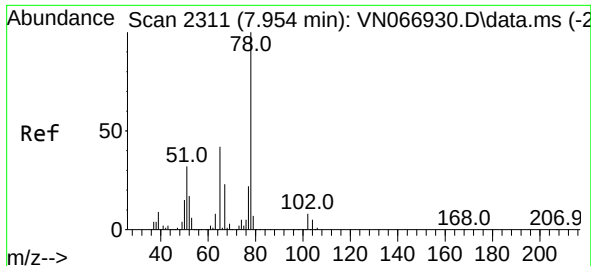
Tgt Ion: 43 Resp: 18059
Ion Ratio Lower Upper
43 100
72 25.5 23.1 34.7



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

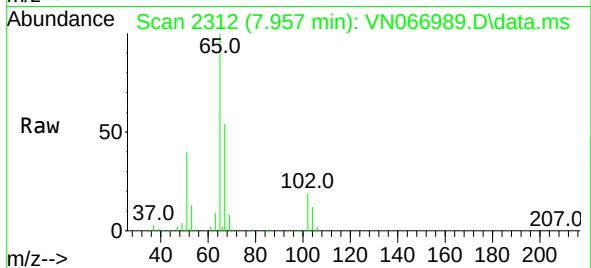
Tgt Ion: 56 Resp: 18656
Ion Ratio Lower Upper
56 100
69 197.1 26.6 39.8#
84 150.4 70.4 105.6#



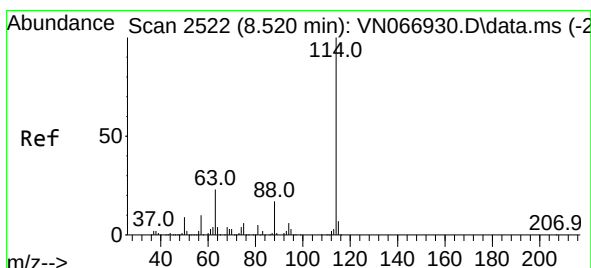
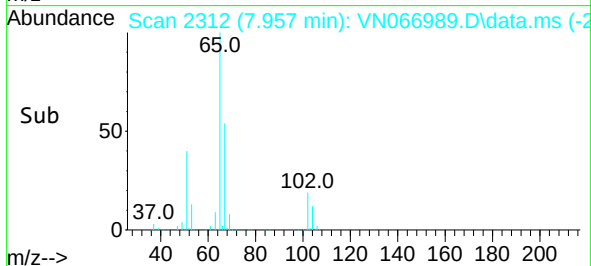
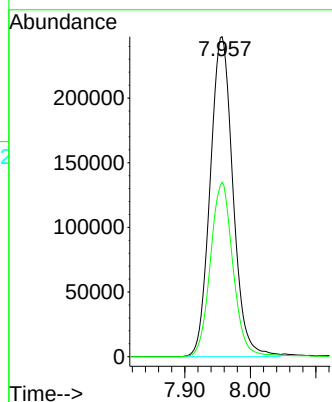


#33
1,2-Dichloroethane-d4
Concen: 46.49 ug/l
RT: 7.957 min Scan# 2312
Delta R.T. 0.003 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampled :

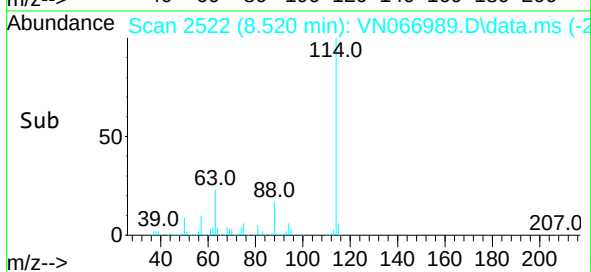
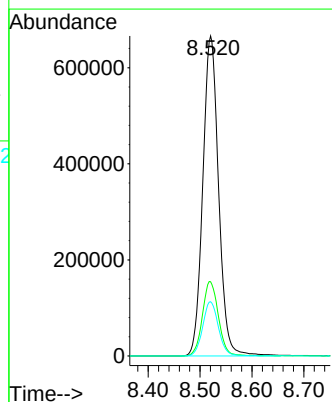
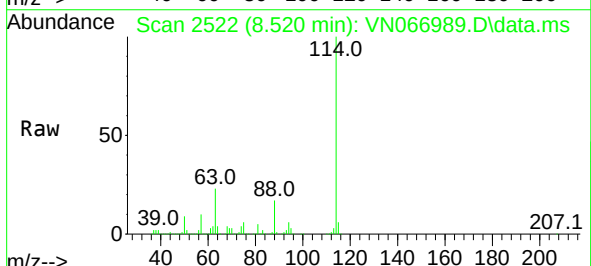


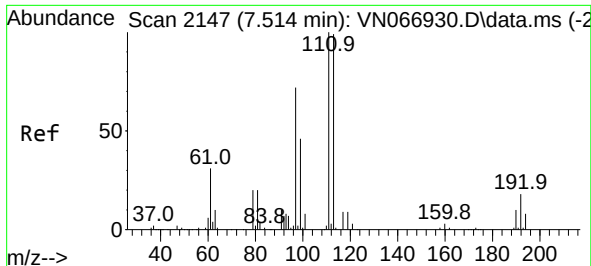
Tgt Ion: 65 Resp: 597117
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion: 114 Resp: 1406759
Ion Ratio Lower Upper
114 100
63 23.2 0.0 38.6
88 17.0 0.0 30.6

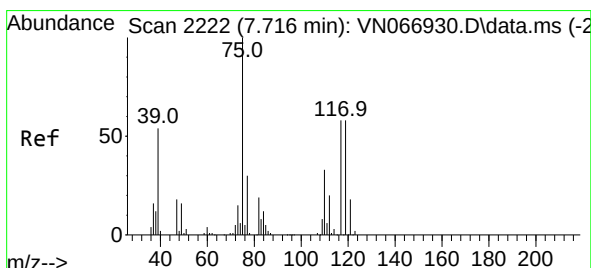
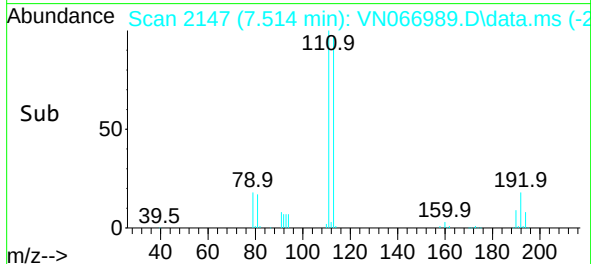
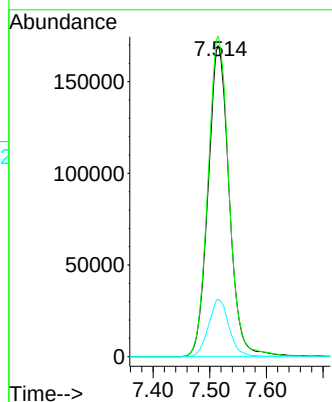
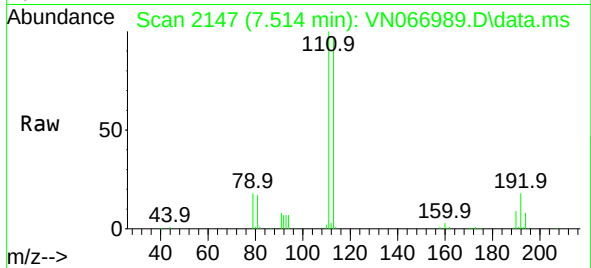




#35
Dibromofluoromethane
Concen: 45.85 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

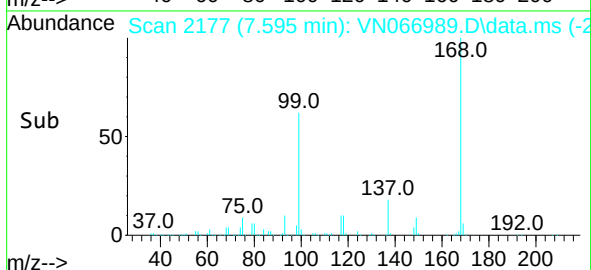
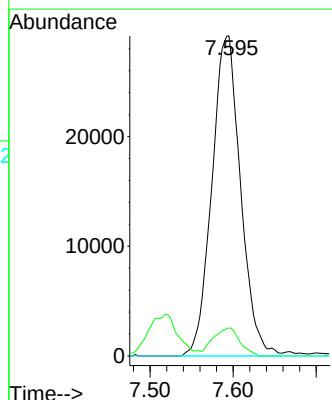
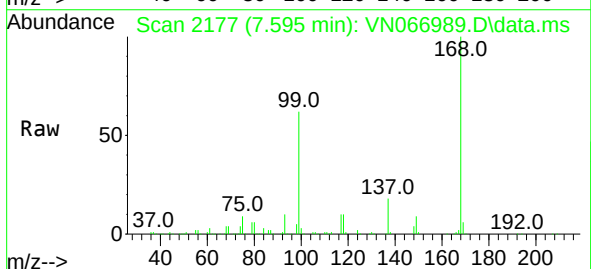
Instrument :
MSVOA_N
ClientSampled :

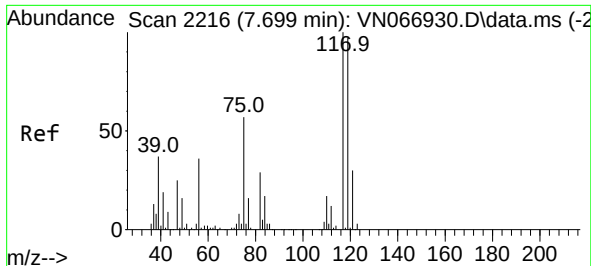
Tgt Ion:113 Resp: 437970
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.78 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. -0.121 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

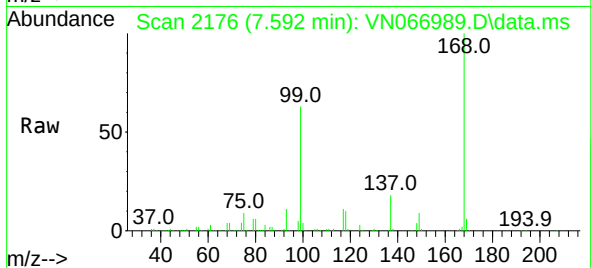
Tgt Ion: 75 Resp: 70050
Ion Ratio Lower Upper
75 100
110 8.1 18.2 54.6#
77 0.0 24.9 37.3#



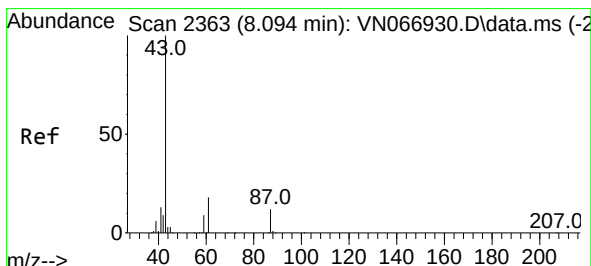
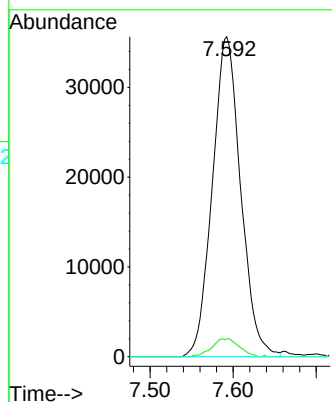
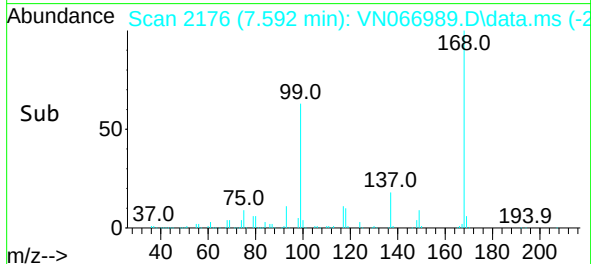


#38
Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

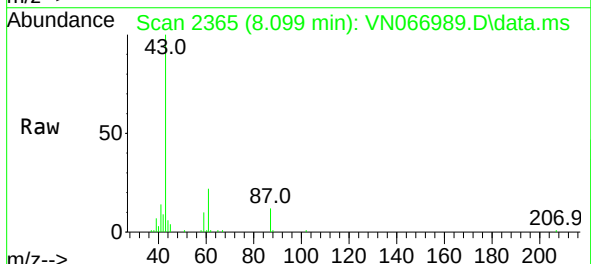
Instrument :
MSVOA_N
ClientSampled :



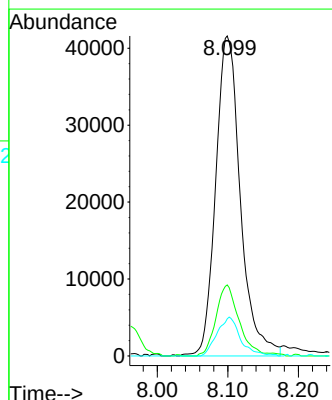
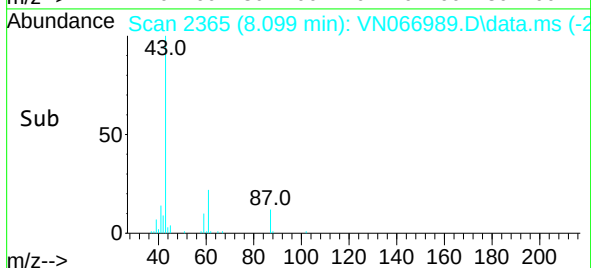
Tgt Ion:117 Resp: 84348
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#

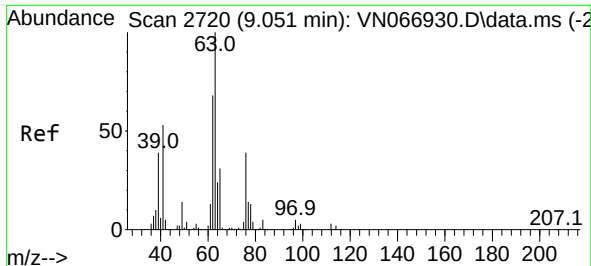


#43
Isopropyl Acetate
Concen: 4.17 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22



Tgt Ion: 43 Resp: 101178
Ion Ratio Lower Upper
43 100
61 20.7 22.5 33.7#
87 11.4 11.1 16.7



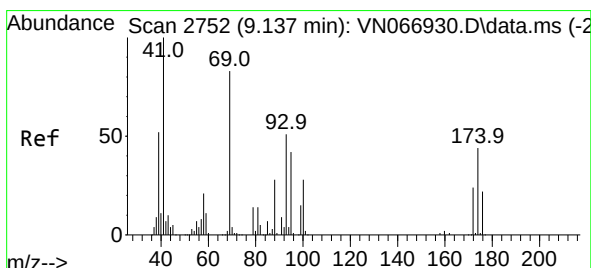
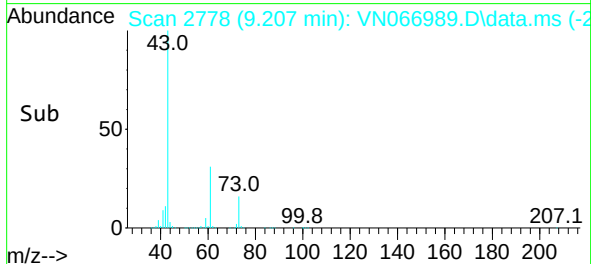
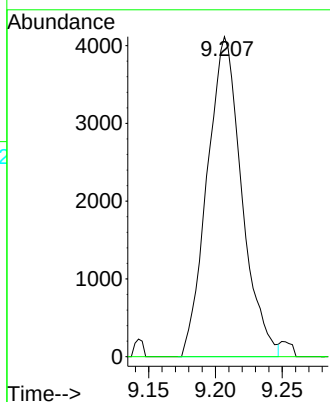
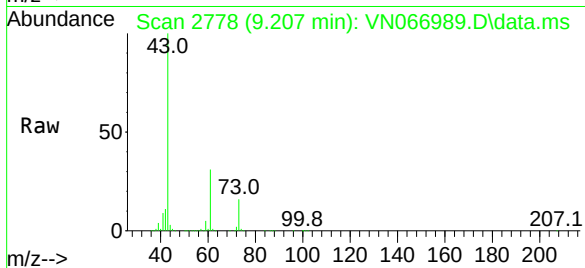


#45

1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 9.207 min Scan# 2778
Delta R.T. 0.156 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampled :

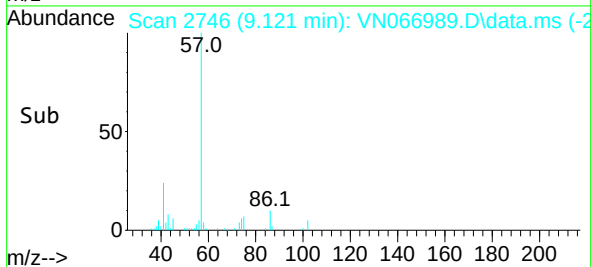
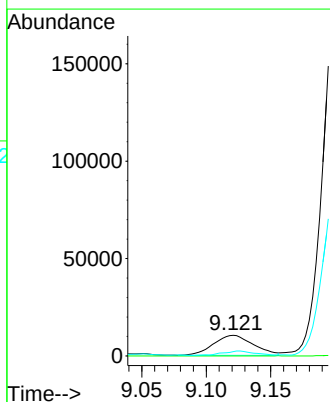
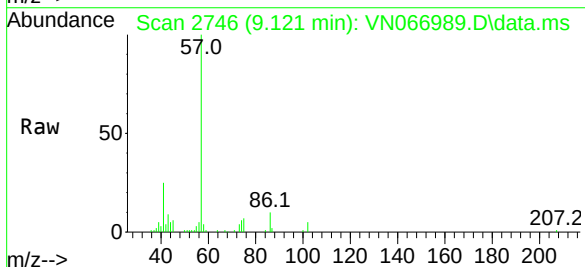
Tgt Ion: 63 Resp: 7411
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

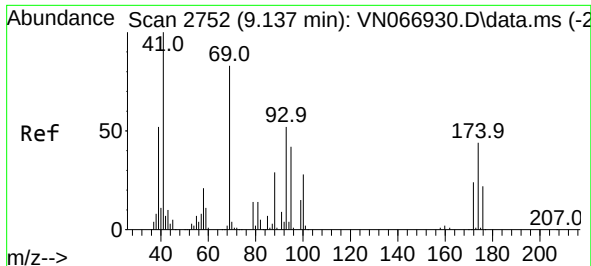


#48

Methyl methacrylate
Concen: 2.05 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

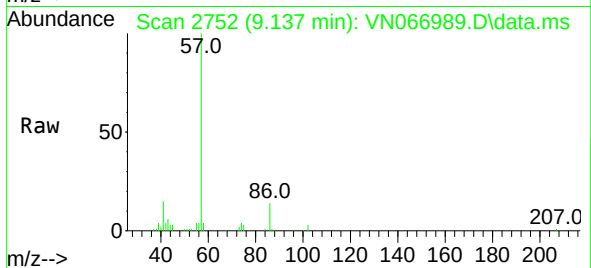
Tgt Ion: 41 Resp: 21973
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



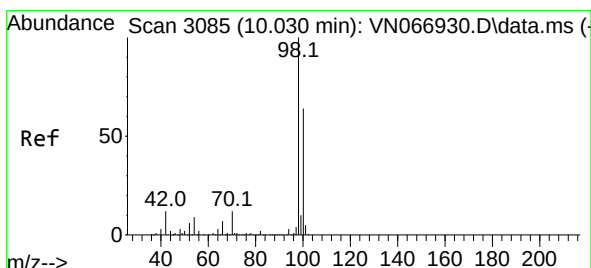
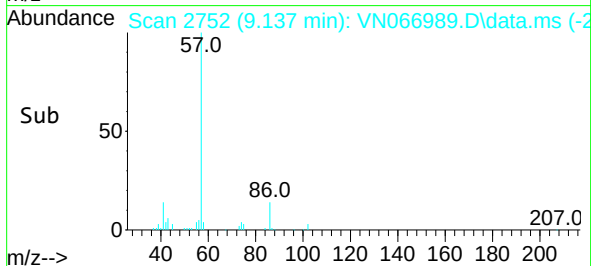
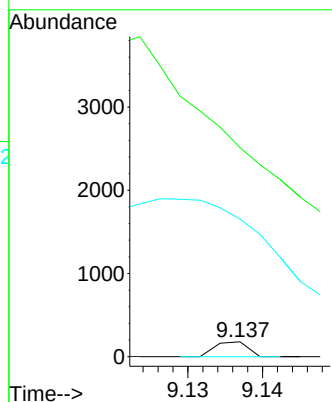


#49
1,4-Dioxane
Concen: 0.32 ug/l
RT: 9.137 min Scan# 2752
Delta R.T. -0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampled :

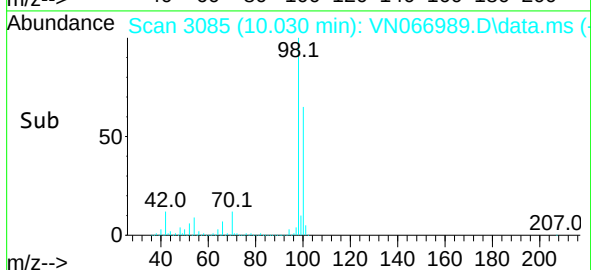
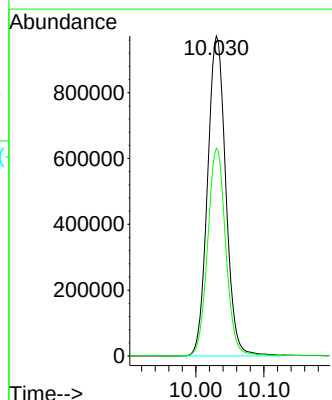
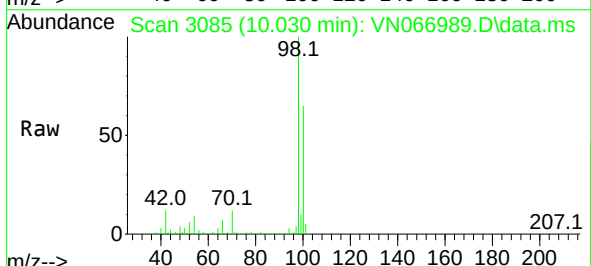


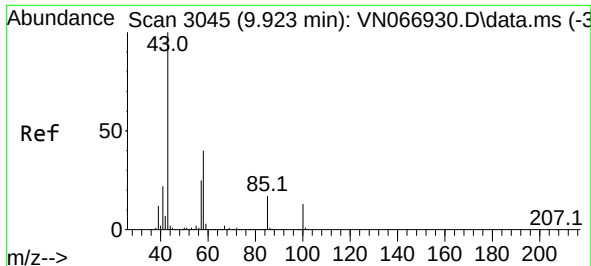
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 8541.8 52.6 78.8#



#50
Toluene-d8
Concen: 49.87 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion: 98 Resp: 1814199
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7

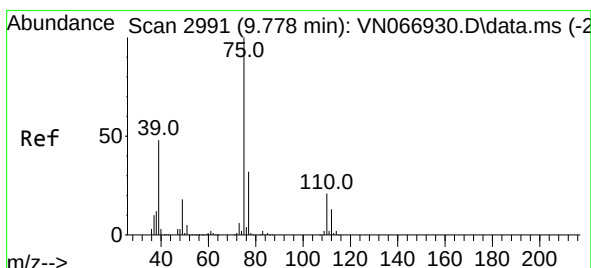
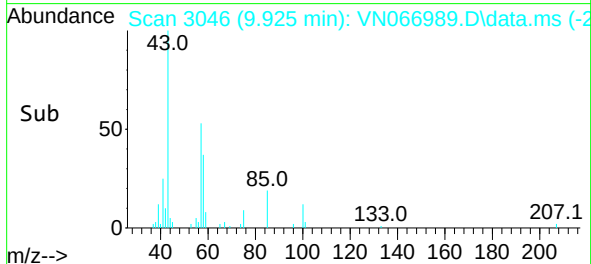
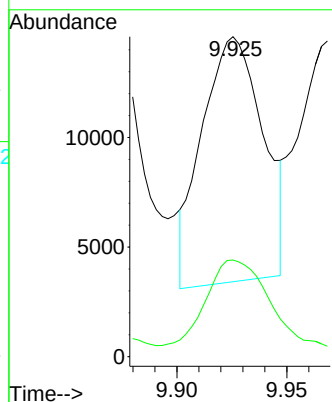
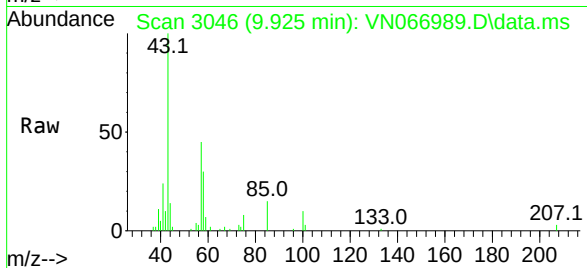




#51
4-Methyl-2-Pentanone
Concen: 1.54 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

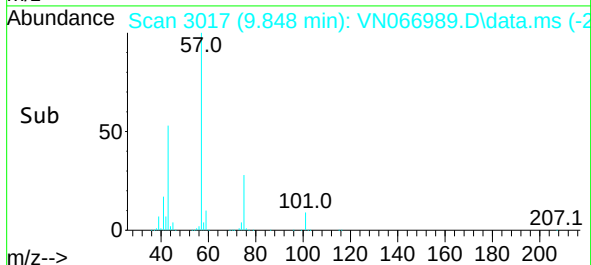
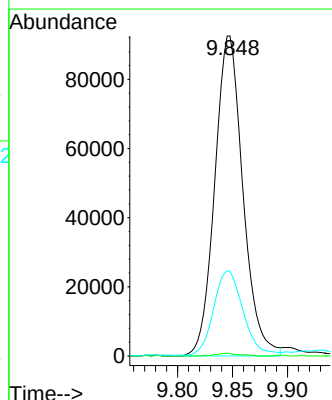
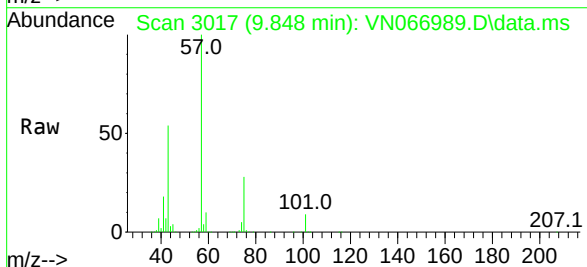
Instrument :
MSVOA_N
ClientSampled :

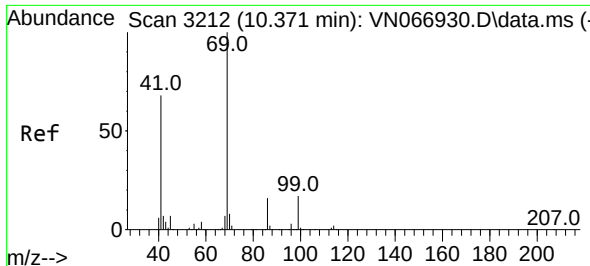
Tgt Ion: 43 Resp: 21546
Ion Ratio Lower Upper
43 100
58 47.4 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.55 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

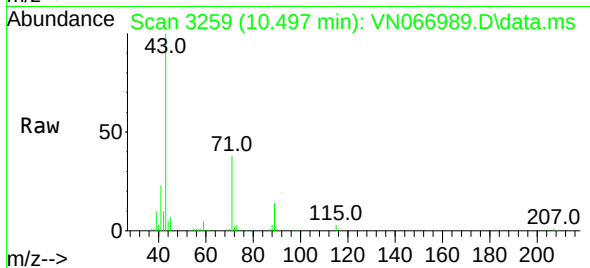
Tgt Ion: 75 Resp: 164834
Ion Ratio Lower Upper
75 100
77 0.8 24.9 37.3#
39 26.2 36.2 54.4#



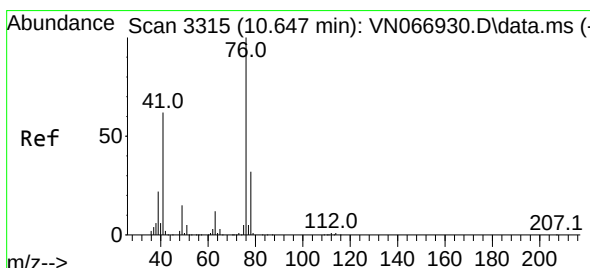
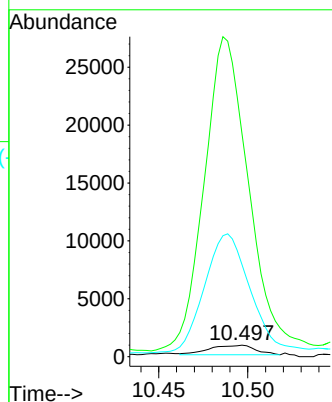
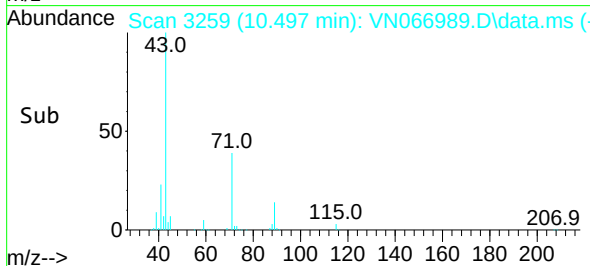


#56
Ethyl methacrylate
Concen: 5.27 ug/l
RT: 10.497 min Scan# 3259
Delta R.T. 0.126 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

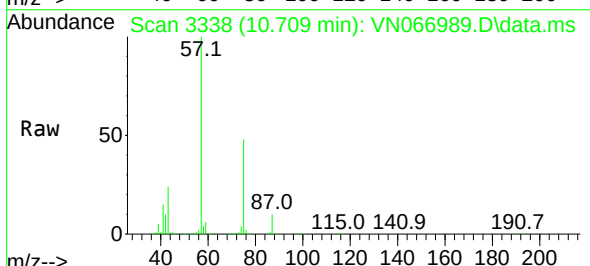
Instrument :
MSVOA_N
ClientSampled :



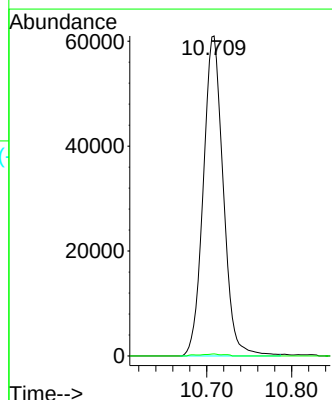
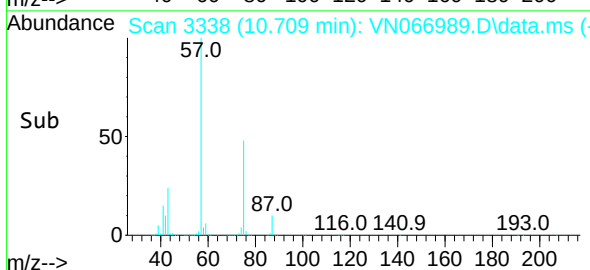
Tgt Ion: 69 Resp: 1463
Ion Ratio Lower Upper
69 100
41 3224.6 49.6 74.4#
39 1263.8 28.0 42.0#

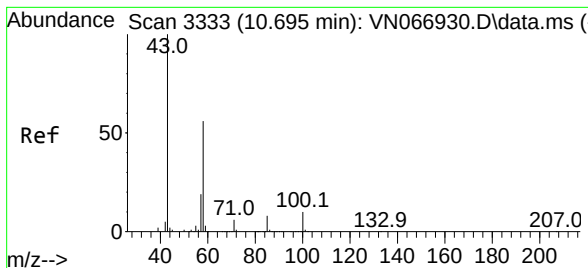


#57
1,3-Dichloropropane
Concen: 5.23 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22



Tgt Ion: 76 Resp: 99455
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

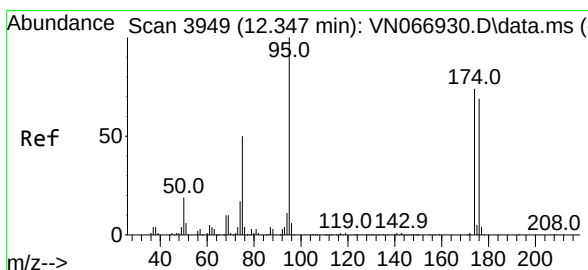
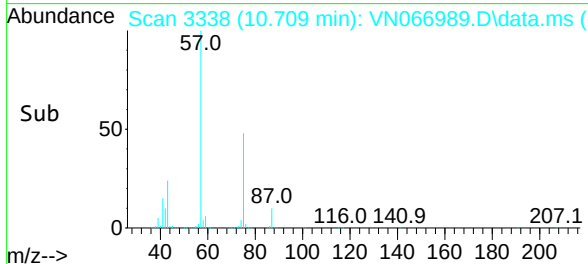
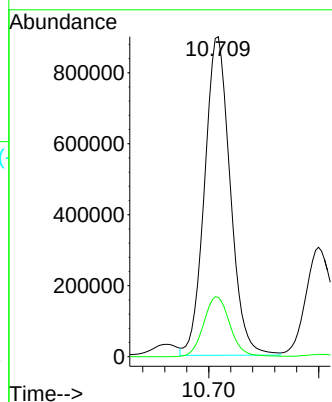
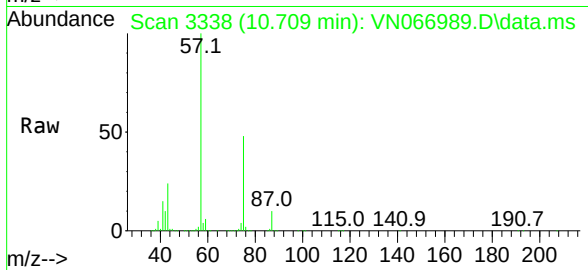




#59
2-Hexanone
Concen: 153.98 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

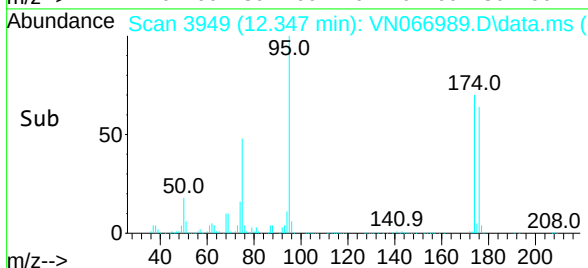
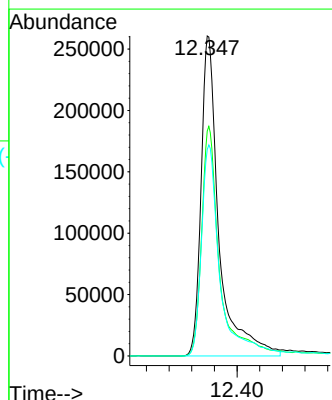
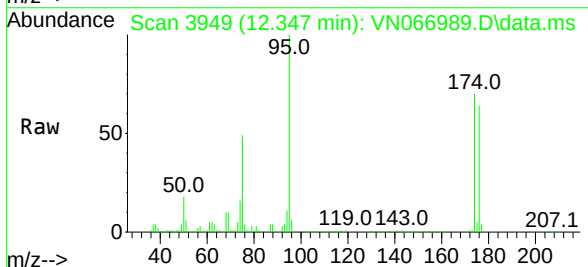
Instrument :
MSVOA_N
ClientSampled :

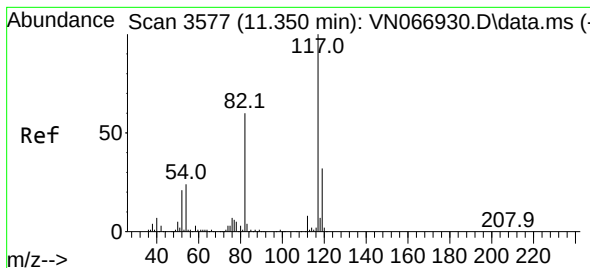
Tgt Ion: 43 Resp: 1450755
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 46.44 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion: 95 Resp: 572005
Ion Ratio Lower Upper
95 100
174 72.5 0.0 169.0
176 68.5 0.0 162.4

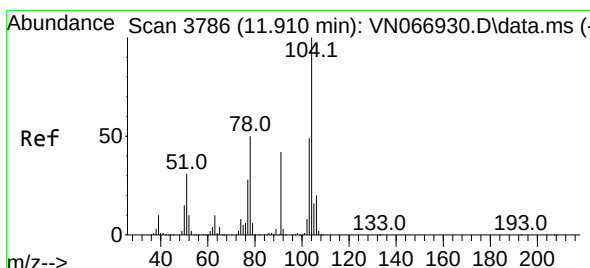
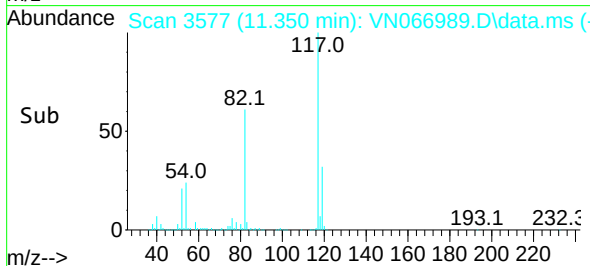
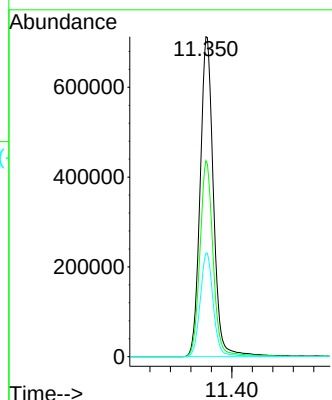
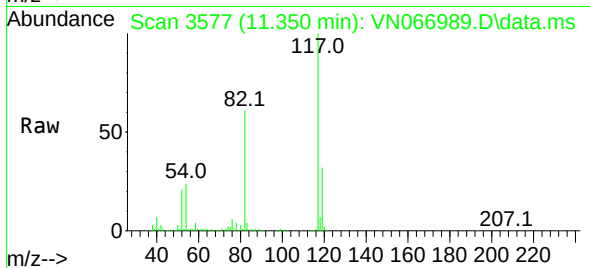




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

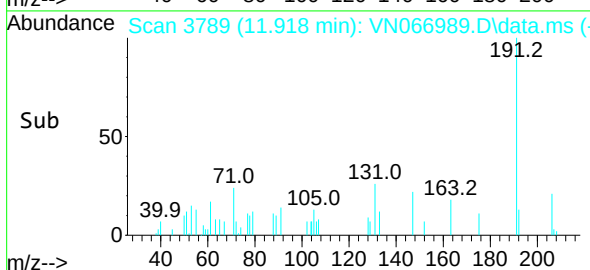
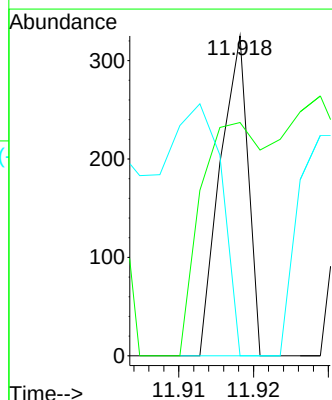
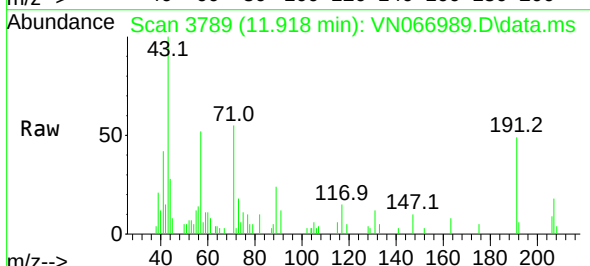
Instrument :
MSVOA_N
ClientSampleId :

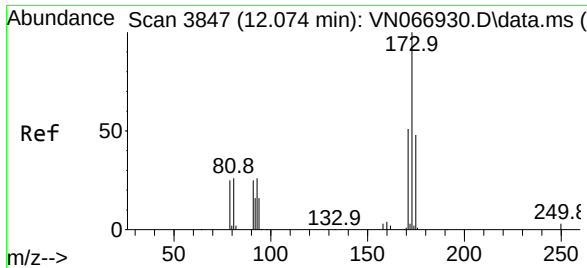
Tgt Ion:117 Resp: 1286639
Ion Ratio Lower Upper
117 100
82 61.3 43.7 65.5
119 32.4 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.918 min Scan# 3789
Delta R.T. 0.008 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion:104 Resp: 84
Ion Ratio Lower Upper
104 100
78 161.9 39.0 58.4#
103 133.3 44.5 66.7#

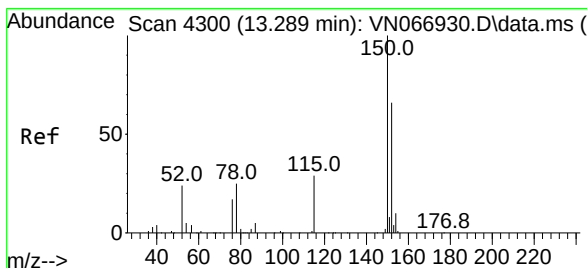
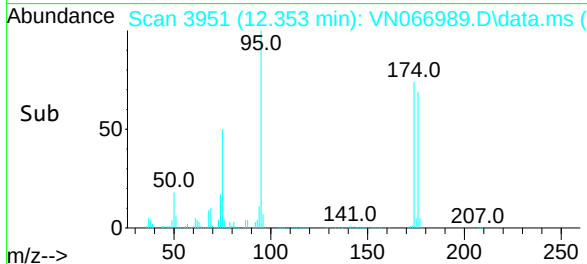
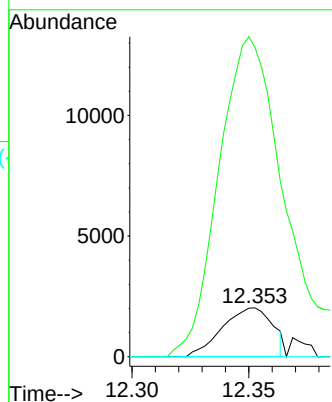
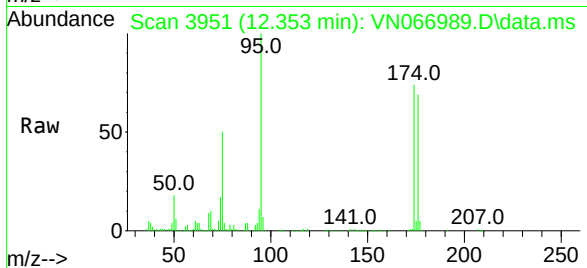




#71
Bromoform
Concen: 0.39 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.279 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

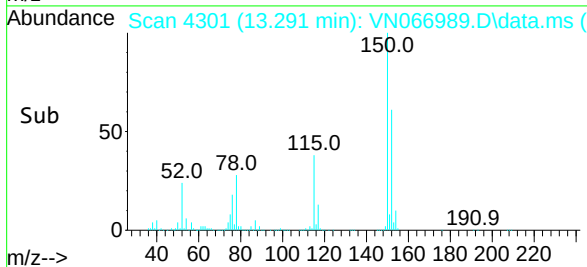
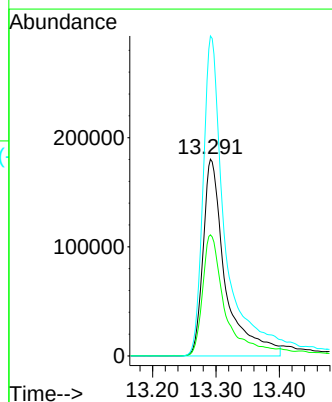
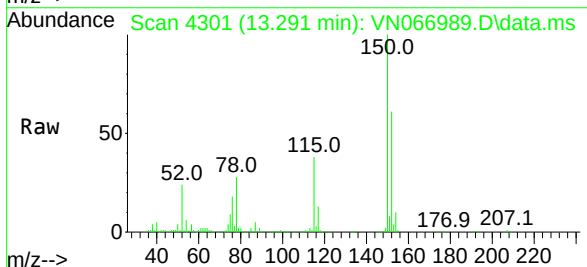
Instrument :
MSVOA_N
ClientSampleId :

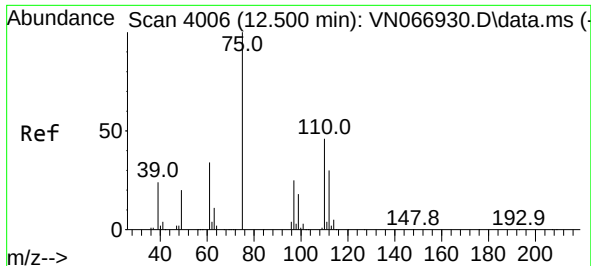
Tgt Ion:173 Resp: 3022
Ion Ratio Lower Upper
173 100
175 700.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion:152 Resp: 442773
Ion Ratio Lower Upper
152 100
115 61.9 28.5 85.6
150 165.0 0.0 347.6

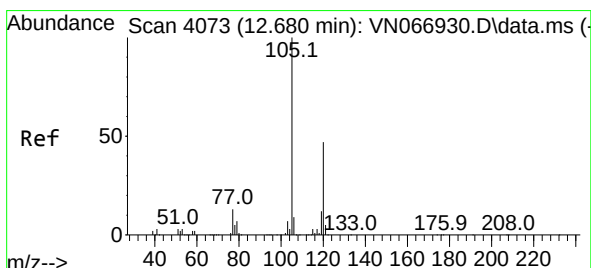
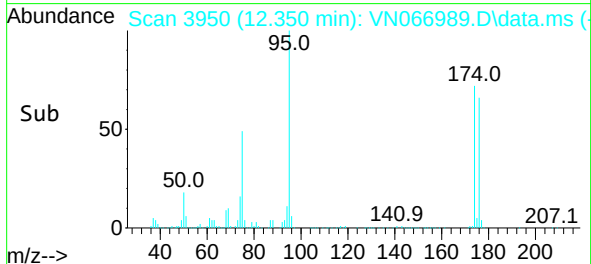
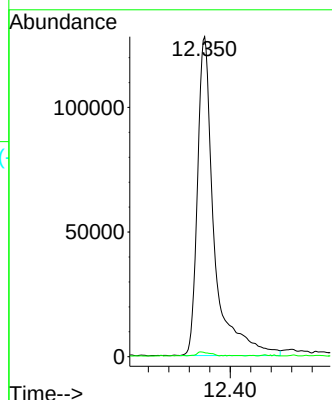
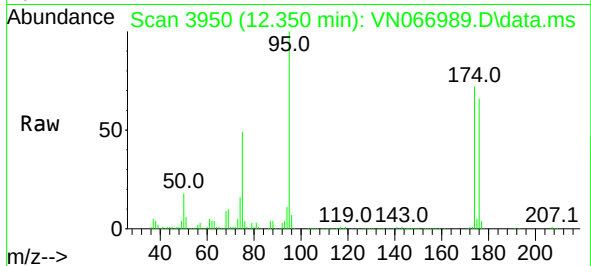




#76
1,2,3-Trichloropropane
Concen: 27.43 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

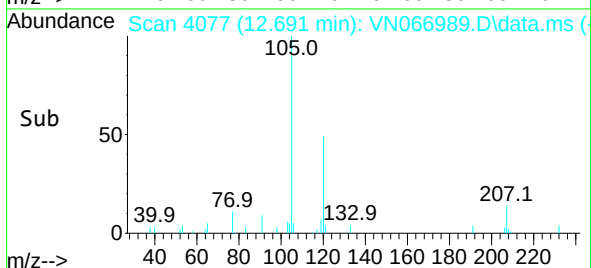
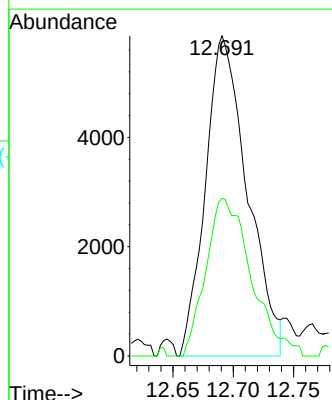
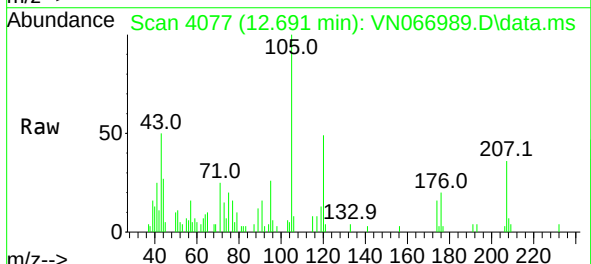
Instrument :
MSVOA_N
ClientSampled :

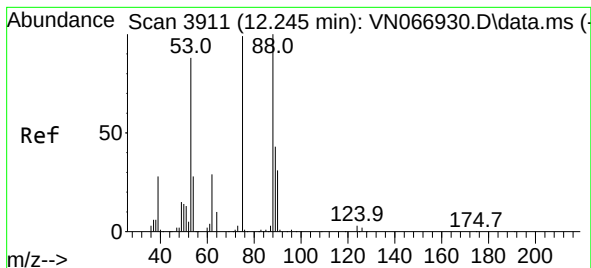
Tgt Ion: 75 Resp: 289300
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.47 ug/l
RT: 12.691 min Scan# 4077
Delta R.T. 0.011 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion:105 Resp: 14163
Ion Ratio Lower Upper
105 100
120 53.4 24.3 72.8

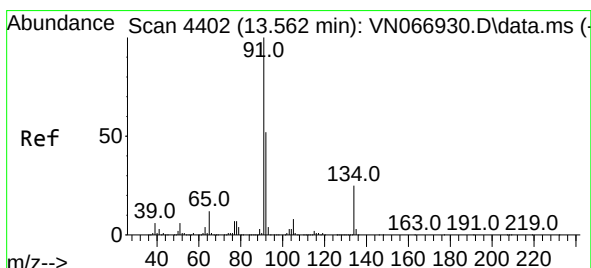
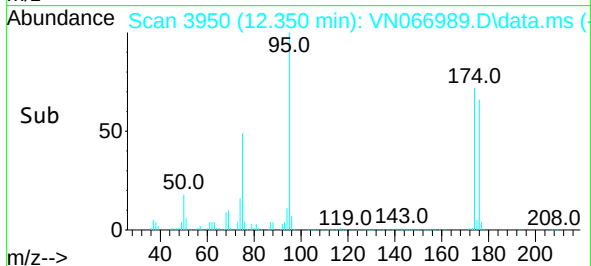
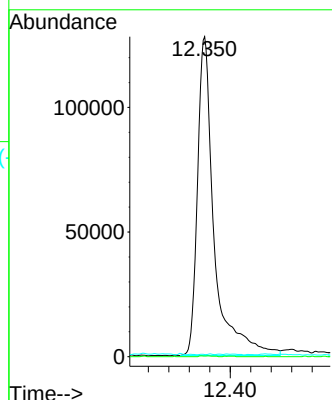
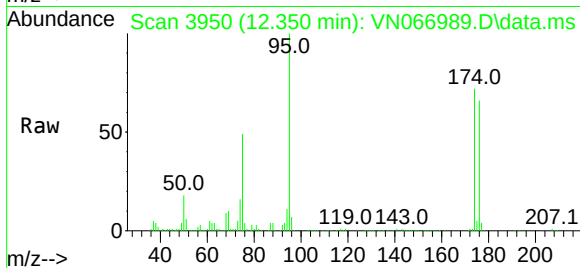




#81
trans-1,4-Dichloro-2-butene
Concen: 82.00 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 289300
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.0 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.568 min Scan# 4404
Delta R.T. 0.006 min
Lab File: VN066989.D
Acq: 5 May 2021 15:22

Tgt Ion: 91 Resp: 372
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 28.5 13.0 38.9

