

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050821\
 Data File : VN067050.D
 Acq On : 7 May 2021 14:40
 Operator : JC/MD
 Sample : VN0508WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 15:51:35 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)

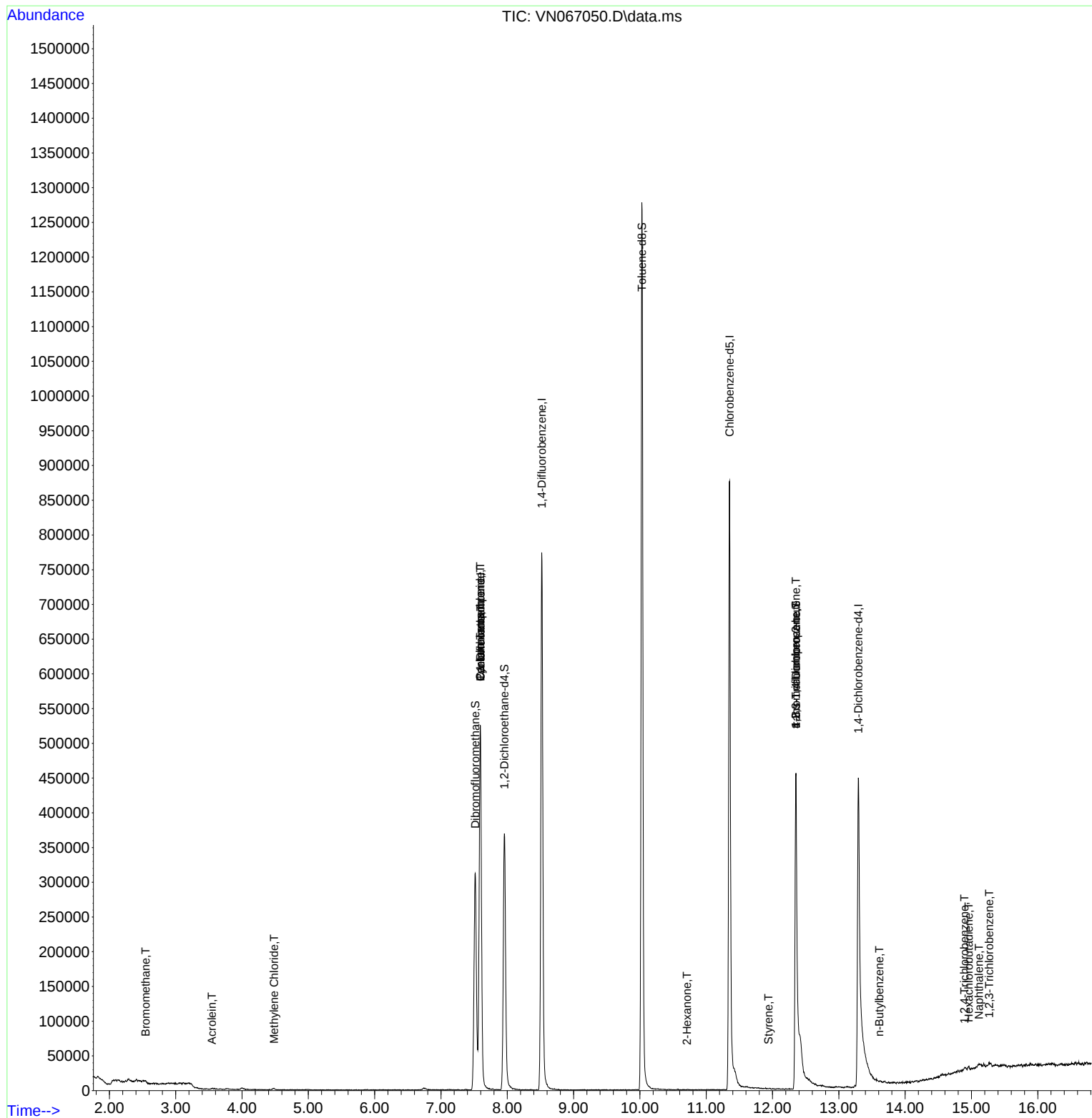
Internal Standards						
1) Pentafluorobenzene	7.595	168	401224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	664372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	526797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	203469	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.957	65	343691	54.42	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.84%			
35) Dibromofluoromethane	7.517	113	246749	54.69	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.38%			
50) Toluene-d8	10.030	98	901349	52.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.92%			
62) 4-Bromofluorobenzene	12.353	95	259676	44.64	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.28%			
Target Compounds					Qvalue	
5) Bromomethane	2.547	94	1028	0.26	ug/l #	45
13) Acrolein	3.545	56	367	0.49	ug/l #	63
20) Methylene Chloride	4.484	84	1253	0.22	ug/l #	88
31) Cyclohexane	7.595	56	10177	1.15	ug/l #	4
36) 1,1-Dichloropropene	7.592	75	34843	5.04	ug/l #	49
38) Carbon Tetrachloride	7.592	117	43415	6.02	ug/l #	18
59) 2-Hexanone	10.711	43	54	28.38	ug/l #	23
70) Styrene	11.940	104	181	4.72	ug/l #	40
76) 1,2,3-Trichloropropane	12.353	75	113538	23.42	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.353	75	113538	70.84	ug/l #	12
89) n-Butylbenzene	13.613	91	235	5.26	ug/l #	44
93) 1,2,4-Trichlorobenzene	14.895	180	994	0.29	ug/l #	59
94) Hexachlorobutadiene	14.959	225	737	0.35	ug/l	81
95) Naphthalene	15.115	128	3345	0.37	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.268	180	1066	0.32	ug/l #	81

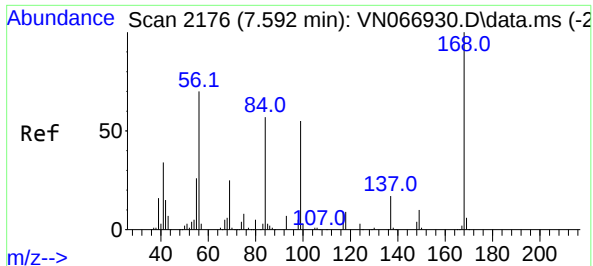
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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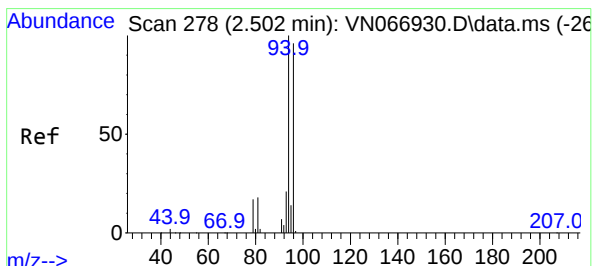
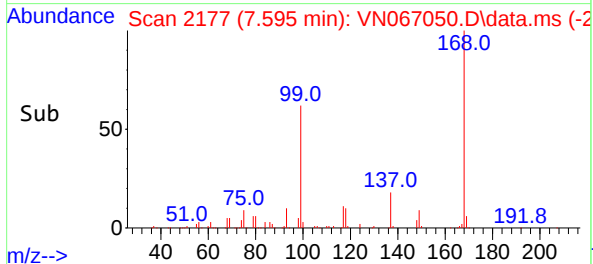
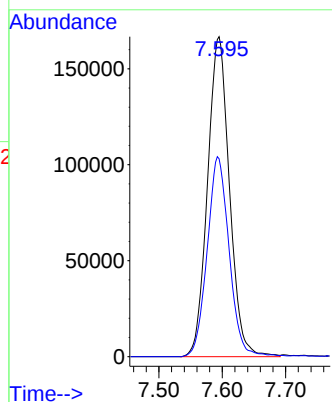
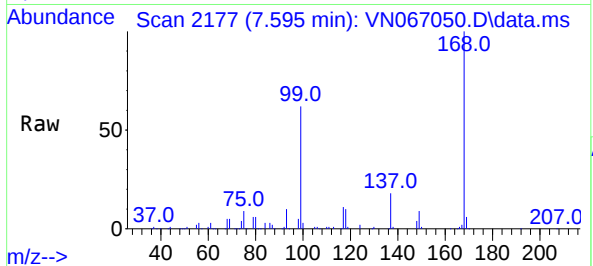




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.003 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

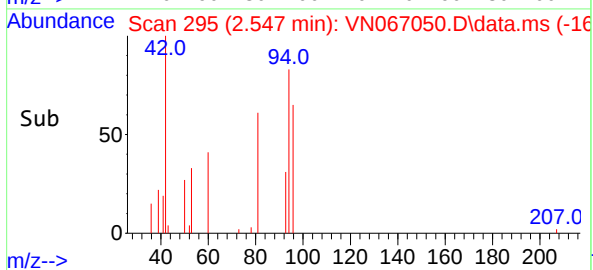
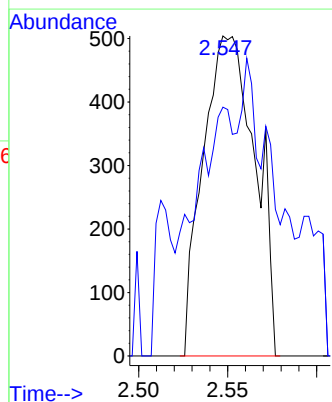
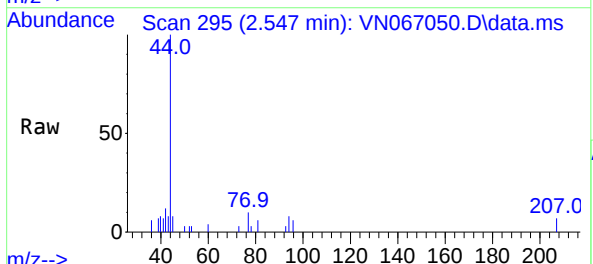
Instrument :
MSVOA_N
ClientSampleId :

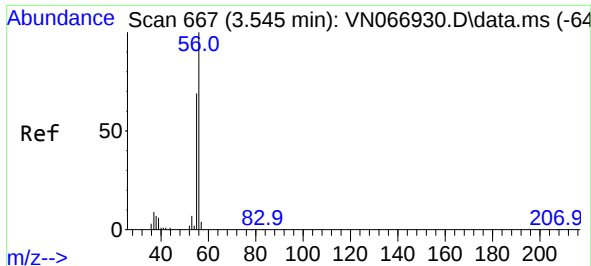
Tgt Ion:168 Resp: 401224
Ion Ratio Lower Upper
168 100
99 61.9 42.6 63.8



#5
Bromomethane
Concen: 0.26 ug/l
RT: 2.547 min Scan# 295
Delta R.T. 0.045 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

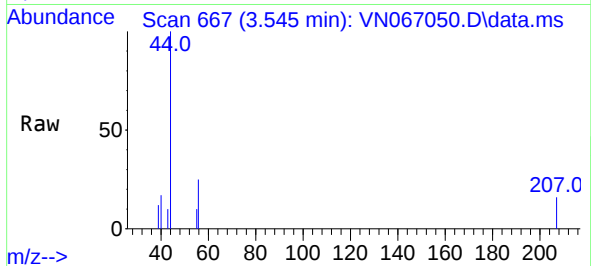
Tgt Ion: 94 Resp: 1028
Ion Ratio Lower Upper
94 100
96 39.1 73.0 109.4#



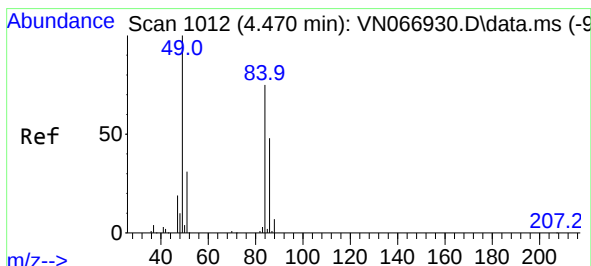
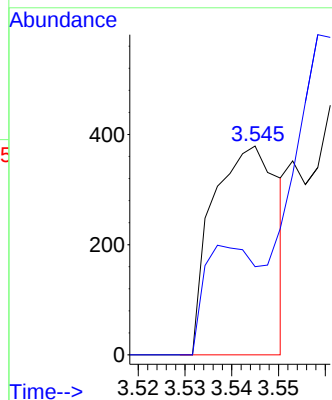
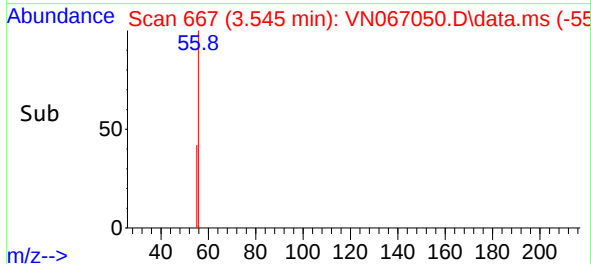


#13
Acrolein
Concen: 0.49 ug/l
RT: 3.545 min Scan# 667
Delta R.T. -0.000 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

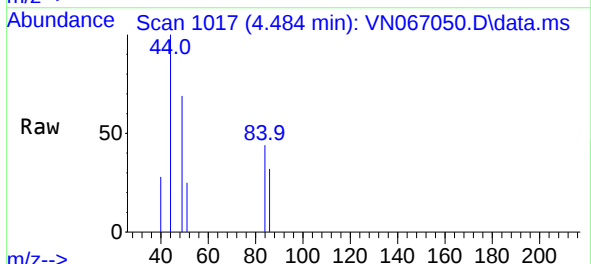
Instrument :
MSVOA_N
ClientSampled :



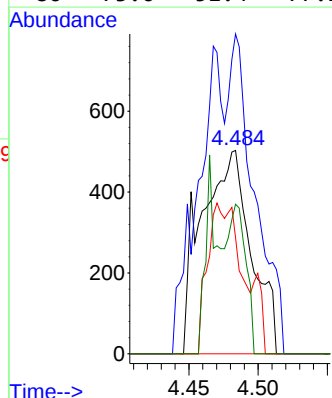
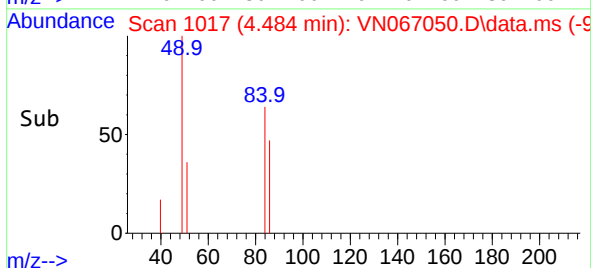
Tgt Ion: 56 Resp: 367
Ion Ratio Lower Upper
56 100
55 39.8 56.0 84.0#

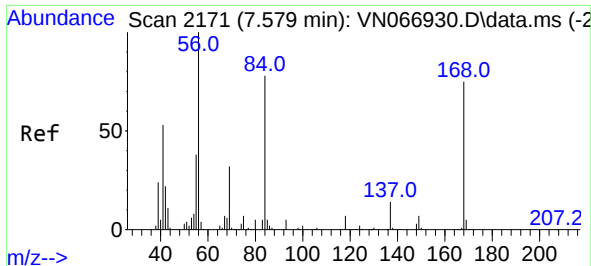


#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 4.484 min Scan# 1017
Delta R.T. 0.014 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40



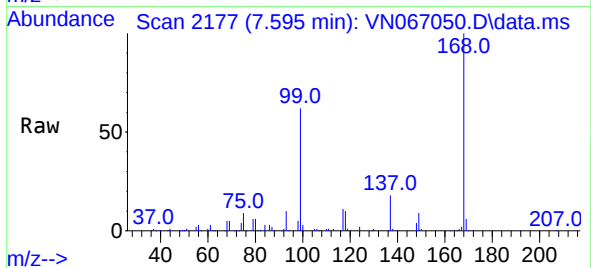
Tgt Ion: 84 Resp: 1253
Ion Ratio Lower Upper
84 100
49 125.2 94.6 141.8
51 57.1 29.9 44.9#
86 73.6 51.4 77.2



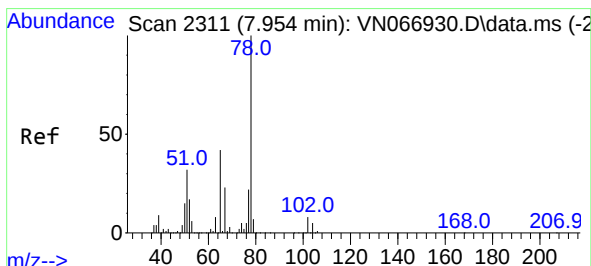
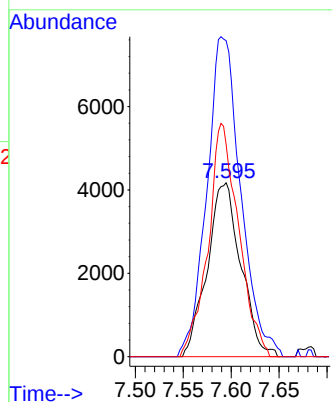
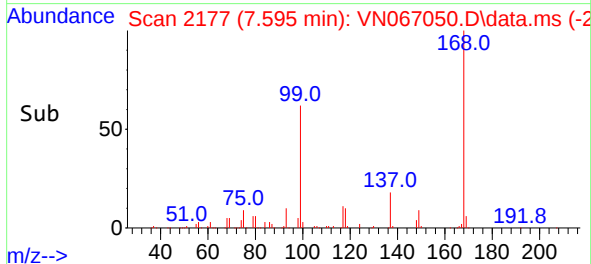


#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.016 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

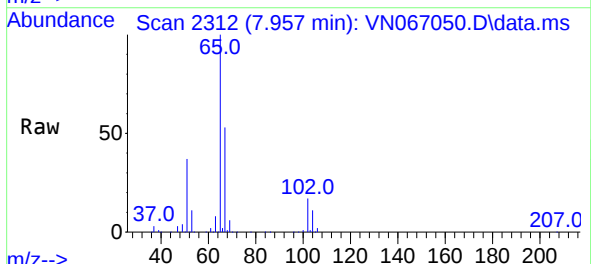
Instrument :
MSVOA_N
ClientSampleId :



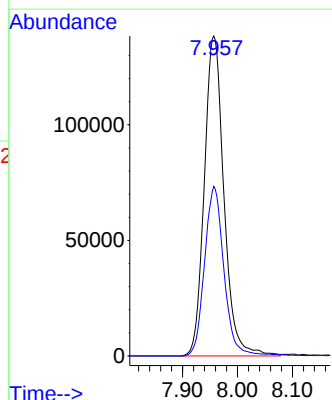
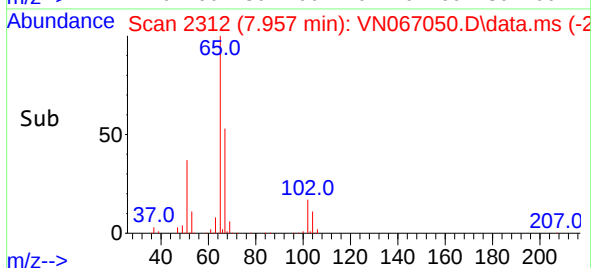
Tgt Ion: 56 Resp: 10177
Ion Ratio Lower Upper
56 100
69 177.9 26.6 39.8#
84 122.0 70.4 105.6#

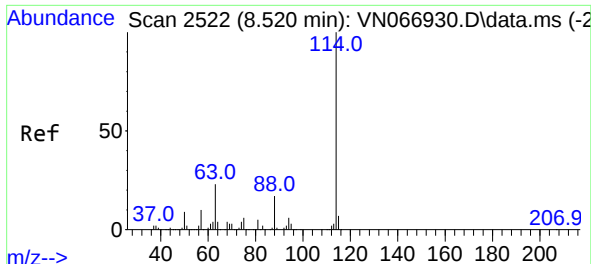


#33
1,2-Dichloroethane-d4
Concen: 54.42 ug/l
RT: 7.957 min Scan# 2312
Delta R.T. 0.003 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40



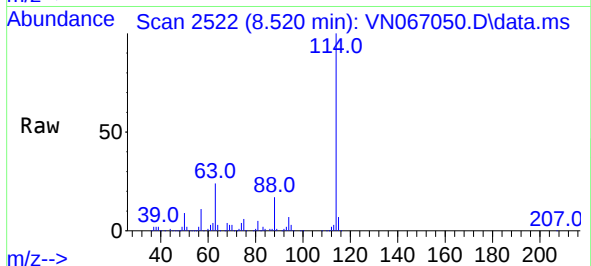
Tgt Ion: 65 Resp: 343691
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



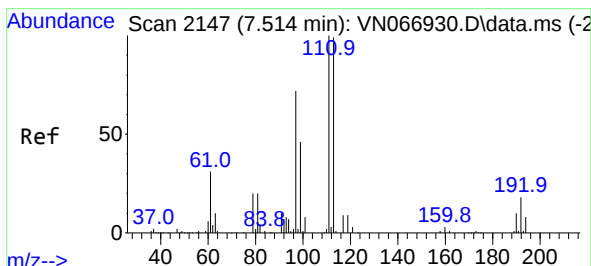
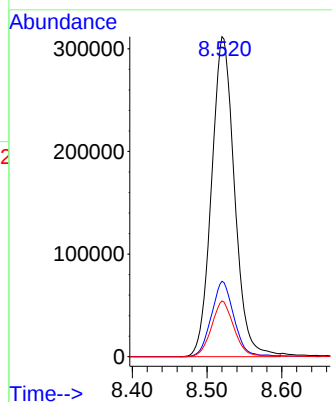
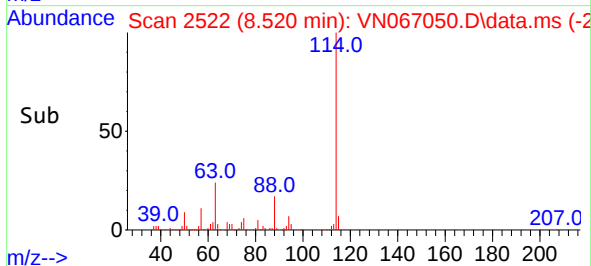


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

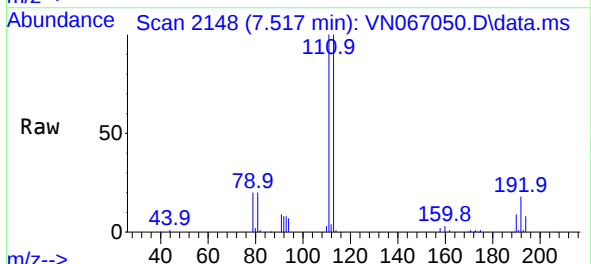
Instrument :
MSVOA_N
ClientSampled :



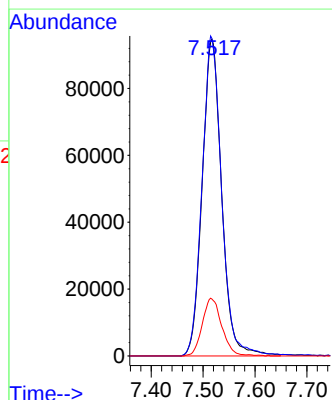
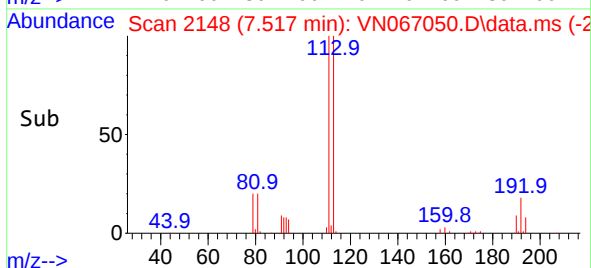
Tgt Ion:114 Resp: 664372
Ion Ratio Lower Upper
114 100
63 23.6 0.0 38.6
88 17.4 0.0 30.6

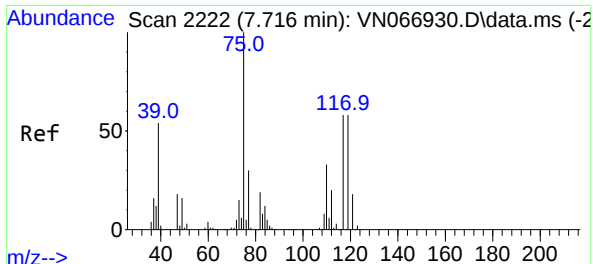


#35
Dibromofluoromethane
Concen: 54.69 ug/l
RT: 7.517 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40



Tgt Ion:113 Resp: 246749
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 18.1 15.4 23.0

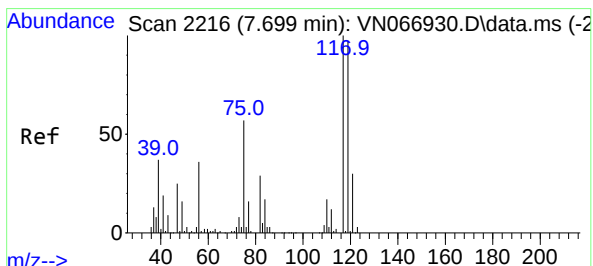
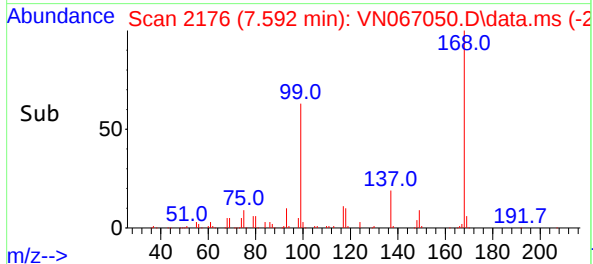
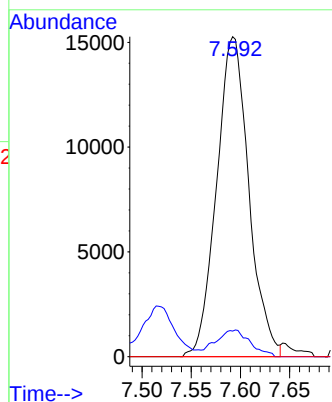
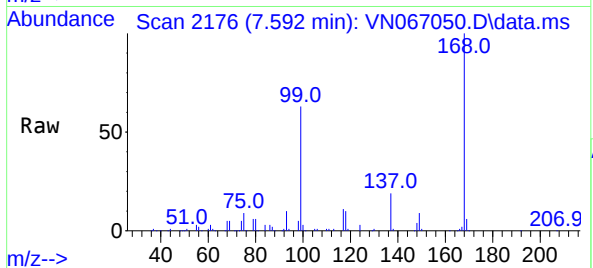




#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

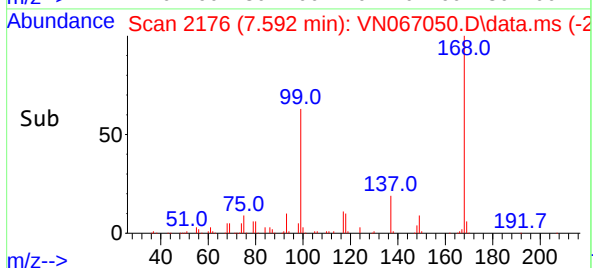
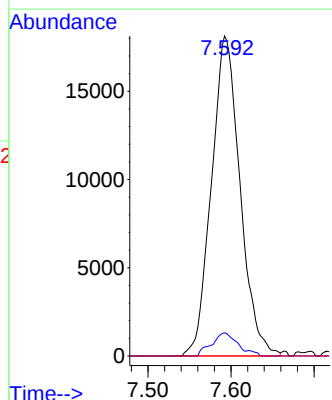
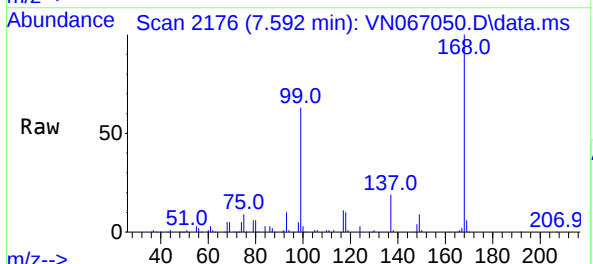
Instrument :
MSVOA_N
ClientSampleId :

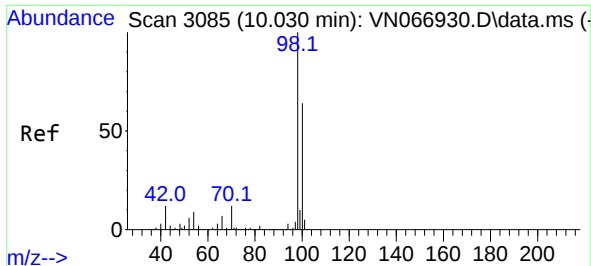
Tgt Ion: 75 Resp: 34843
Ion Ratio Lower Upper
75 100
110 8.9 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.02 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

Tgt Ion:117 Resp: 43415
Ion Ratio Lower Upper
117 100
119 7.3 76.0 114.0#
121 0.0 24.5 36.7#

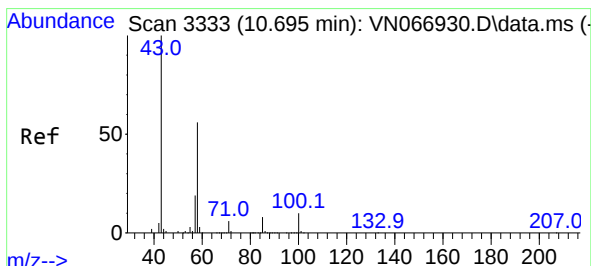
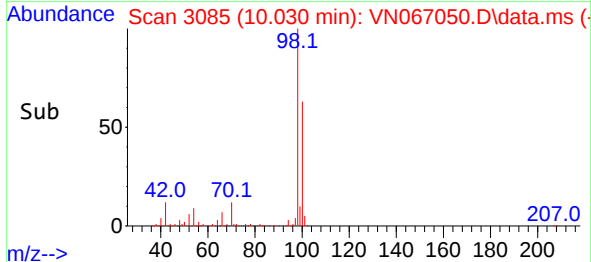
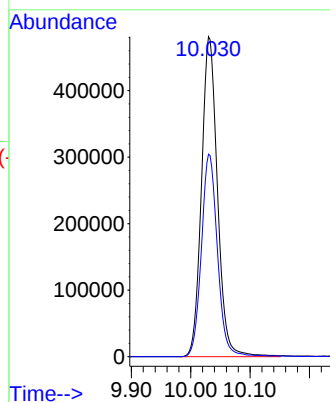
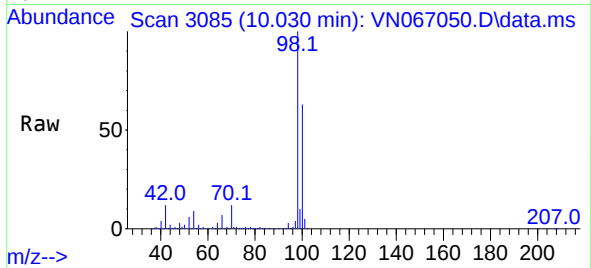




#50
Toluene-d8
Concen: 52.46 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

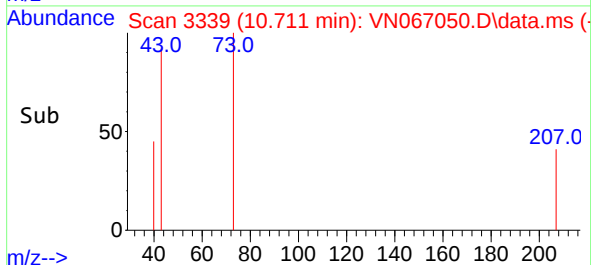
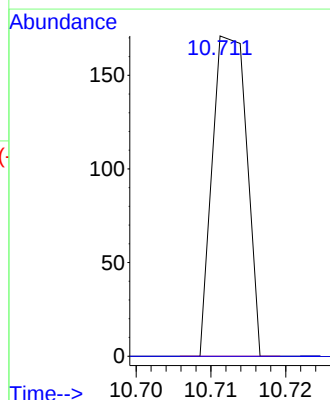
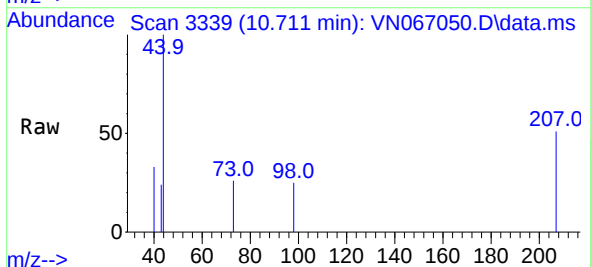
Instrument :
MSVOA_N
ClientSampled :

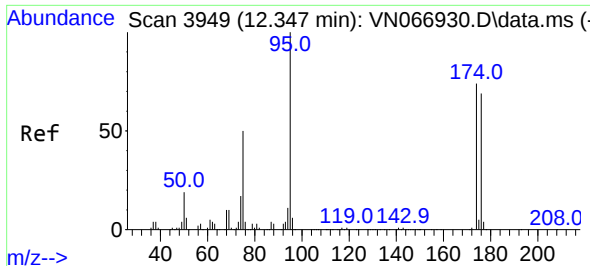
Tgt Ion: 98 Resp: 901349
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7



#59
2-Hexanone
Concen: 28.38 ug/l
RT: 10.711 min Scan# 3339
Delta R.T. 0.016 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



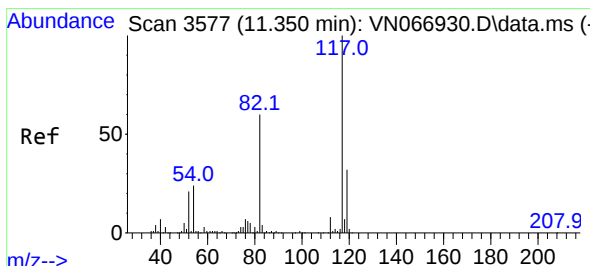
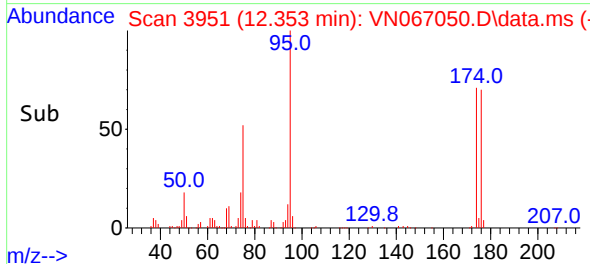
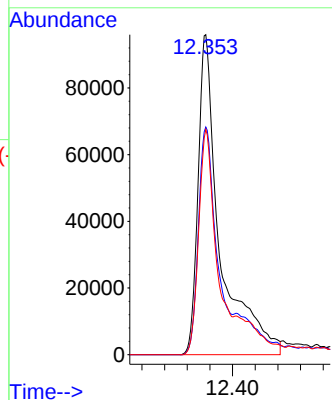
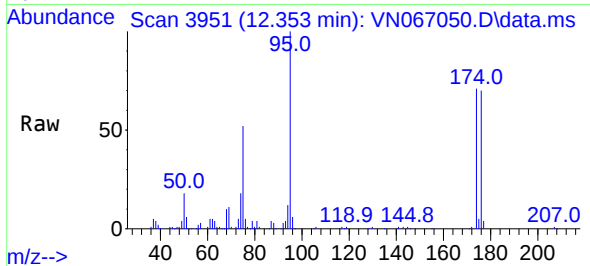


#62
4-Bromofluorobenzene
Concen: 44.64 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.006 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 95 Resp: 259676

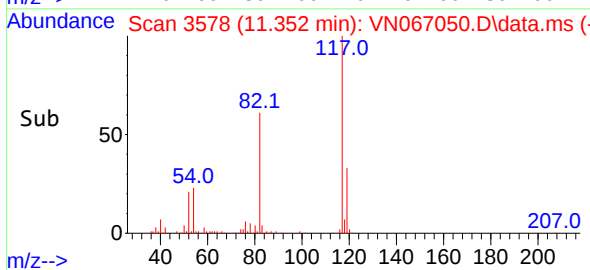
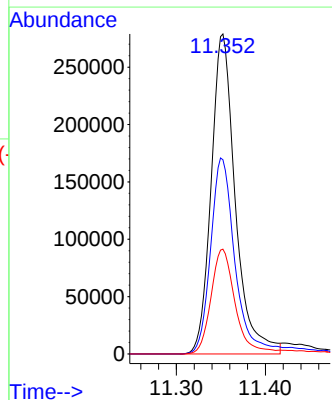
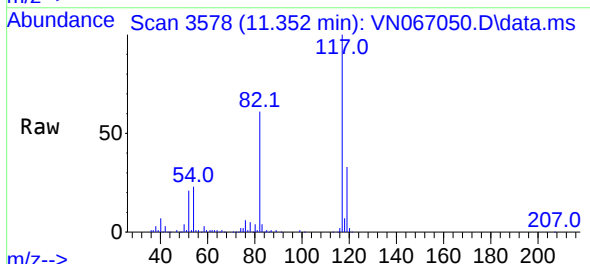
Ion	Ratio	Lower	Upper
95	100		
174	58.5	0.0	169.0
176	55.5	0.0	162.4

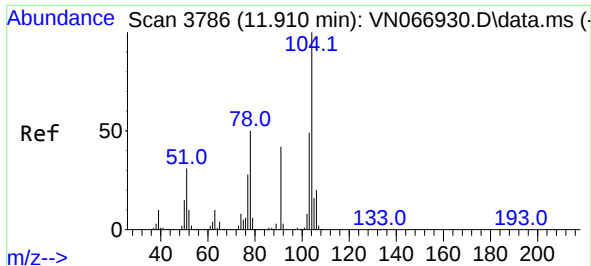


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

Tgt Ion: 117 Resp: 526797

Ion	Ratio	Lower	Upper
117	100		
82	60.7	43.7	65.5
119	32.8	26.1	39.1

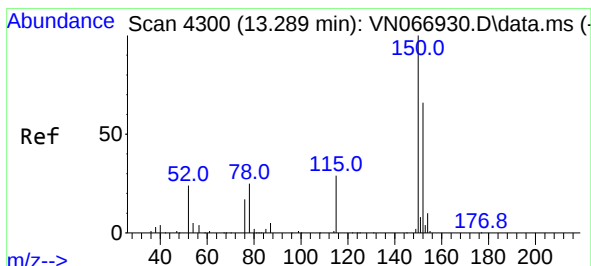
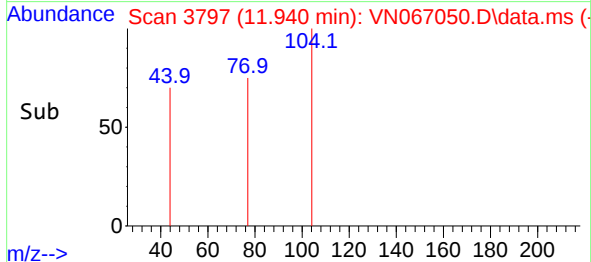
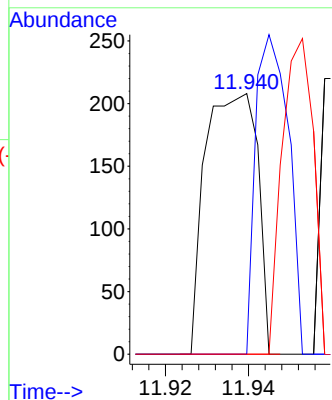
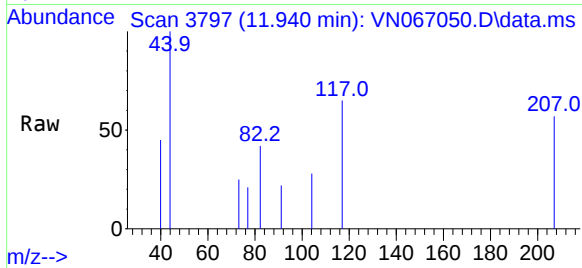




#70
Styrene
Concen: 4.72 ug/l
RT: 11.940 min Scan# 3797
Delta R.T. 0.030 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

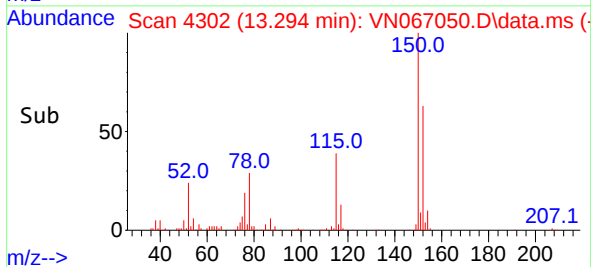
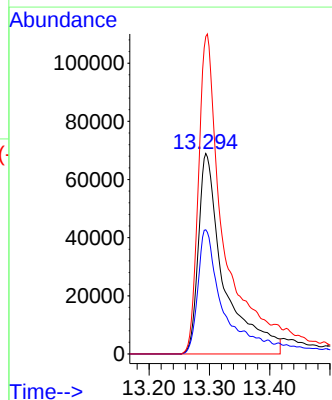
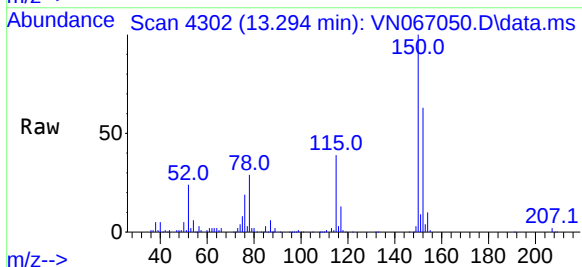
Instrument :
MSVOA_N
ClientSampled :

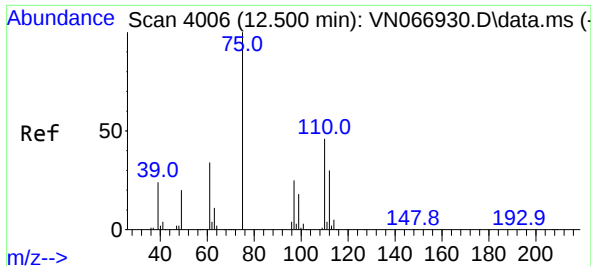
Tgt Ion:104 Resp: 181
Ion Ratio Lower Upper
104 100
78 77.3 39.0 58.4#
103 0.0 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

Tgt Ion:152 Resp: 203469
Ion Ratio Lower Upper
152 100
115 52.2 28.5 85.6
150 154.3 0.0 347.6

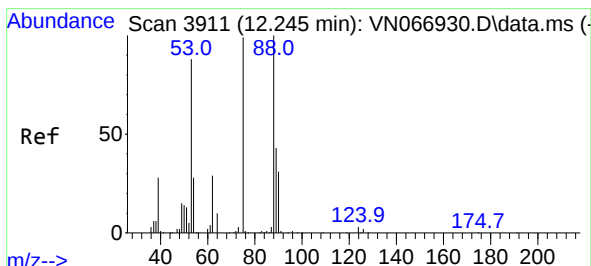
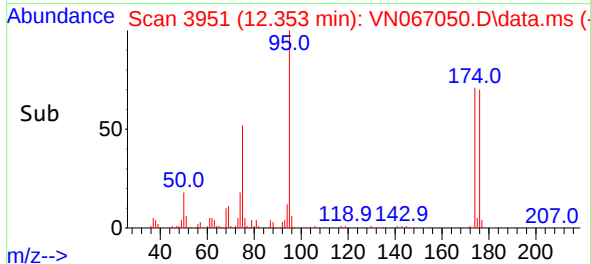
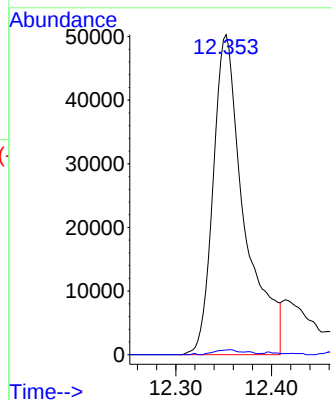
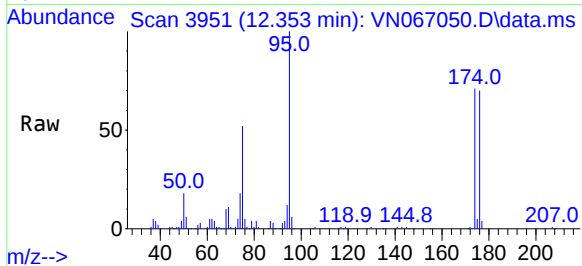




#76
1,2,3-Trichloropropane
Concen: 23.42 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. -0.147 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

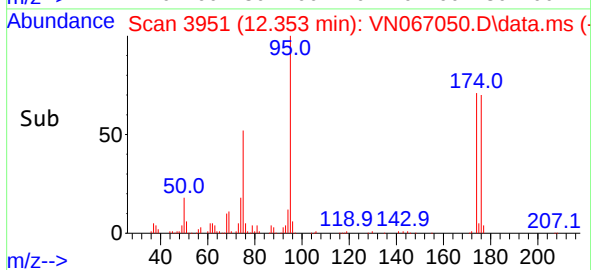
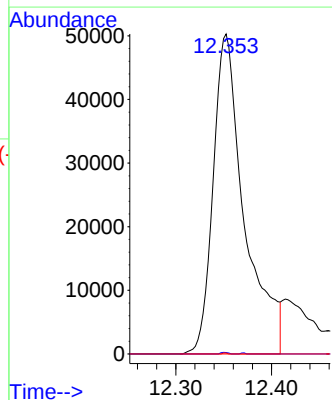
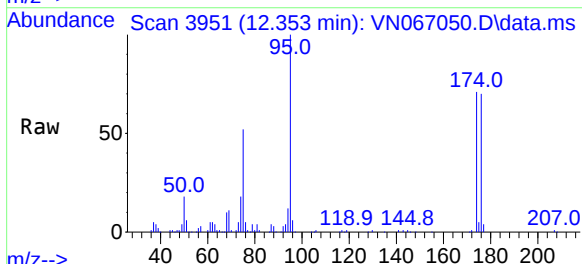
Instrument :
MSVOA_N
ClientSampleId :

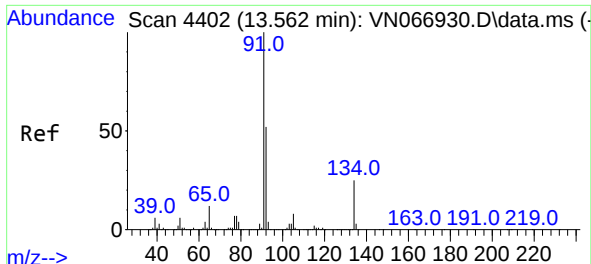
Tgt Ion: 75 Resp: 113538
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.84 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.108 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

Tgt Ion: 75 Resp: 113538
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.0 35.8 53.8#

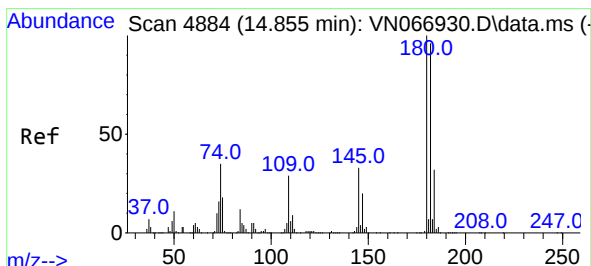
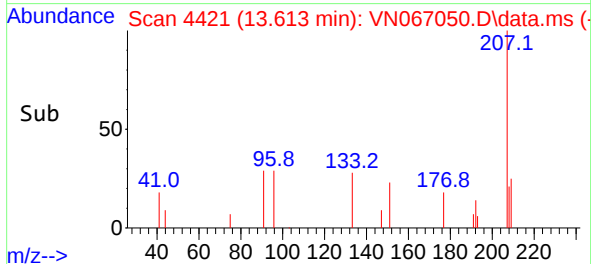
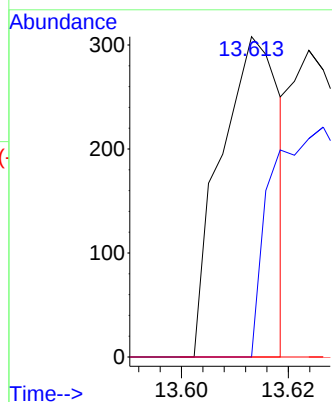
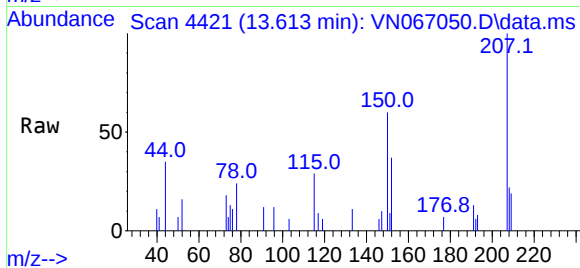




#89
n-Butylbenzene
Concen: 5.26 ug/l
RT: 13.613 min Scan# 4421
Delta R.T. 0.051 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

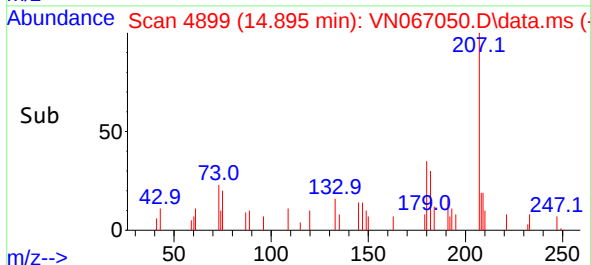
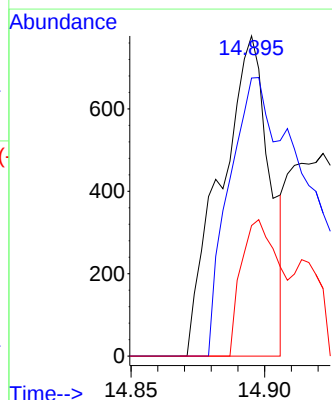
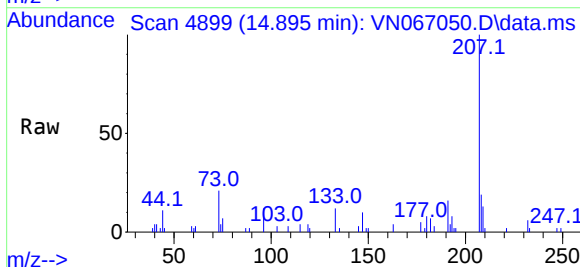
Instrument :
MSVOA_N
ClientSampleId :

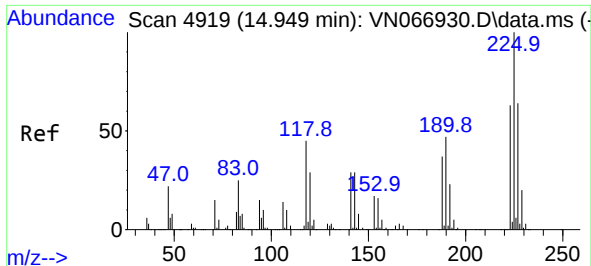
Tgt Ion: 91 Resp: 235
Ion Ratio Lower Upper
91 100
92 93.6 26.1 78.3#
134 0.0 13.0 38.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.29 ug/l
RT: 14.895 min Scan# 4899
Delta R.T. 0.040 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

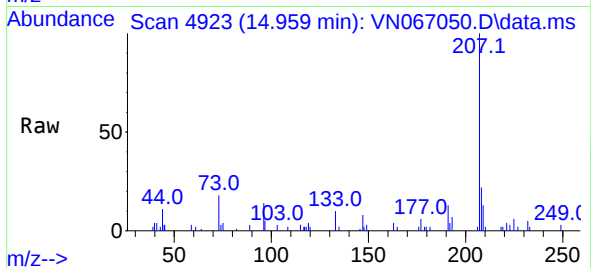
Tgt Ion: 180 Resp: 994
Ion Ratio Lower Upper
180 100
182 147.1 47.3 142.0#
145 32.9 15.6 46.8



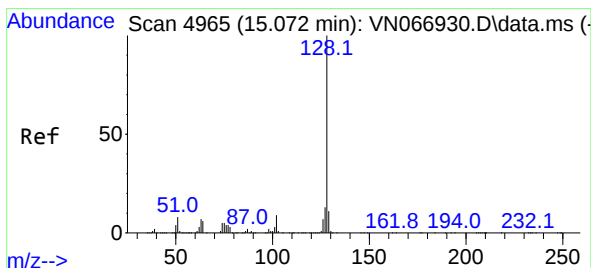
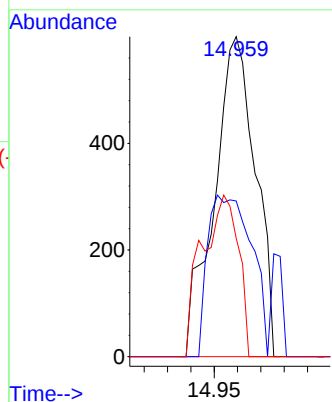
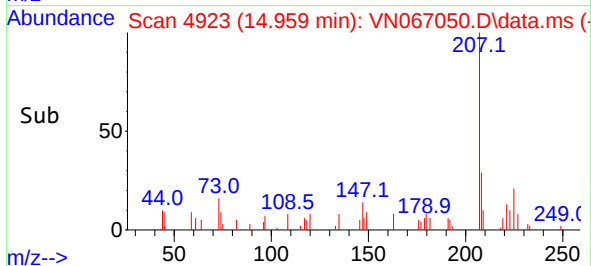


#94
Hexachlorobutadiene
Concen: 0.35 ug/l
RT: 14.959 min Scan# 4923
Delta R.T. 0.010 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40

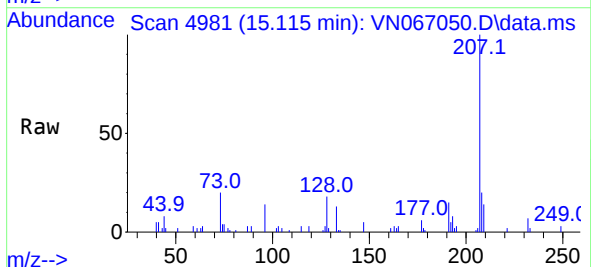
Instrument :
MSVOA_N
ClientSampled :



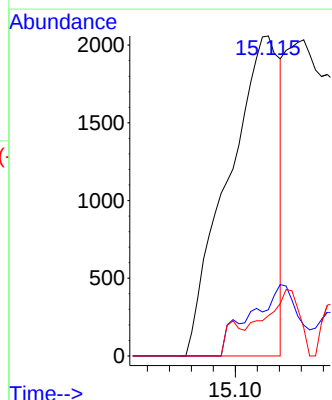
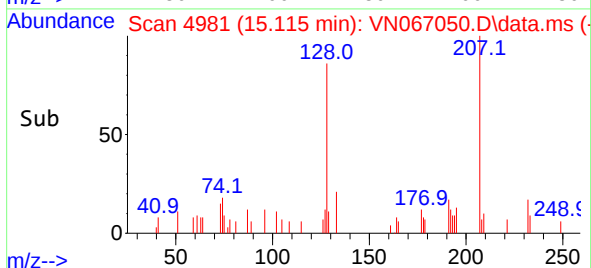
Tgt Ion:225 Resp: 737
Ion Ratio Lower Upper
225 100
223 53.3 31.9 95.9
227 44.5 31.6 95.0

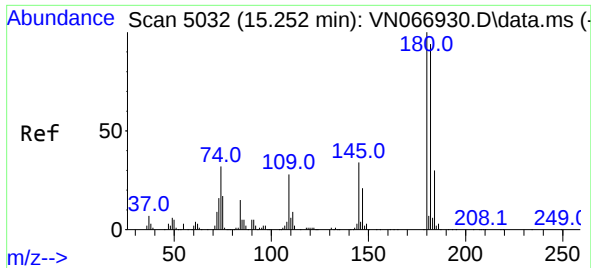


#95
Naphthalene
Concen: 0.37 ug/l
RT: 15.115 min Scan# 4981
Delta R.T. 0.043 min
Lab File: VN067050.D
Acq: 7 May 2021 14:40



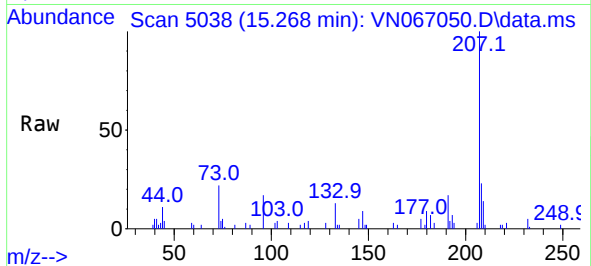
Tgt Ion:128 Resp: 3345
Ion Ratio Lower Upper
128 100
127 20.7 10.2 15.2#
129 13.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 15.268 min Scan# 5038
 Delta R.T. 0.016 min
 Lab File: VN067050.D
 Acq: 7 May 2021 14:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1066
Ion	Ratio	Lower	Upper
180	100		
182	81.8	47.4	142.3
145	53.2	16.5	49.5#

