

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
 Data File : VN067004.D
 Acq On : 6 May 2021 12:53
 Operator : JC/MD
 Sample : M2253-05 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 04:06:28 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)

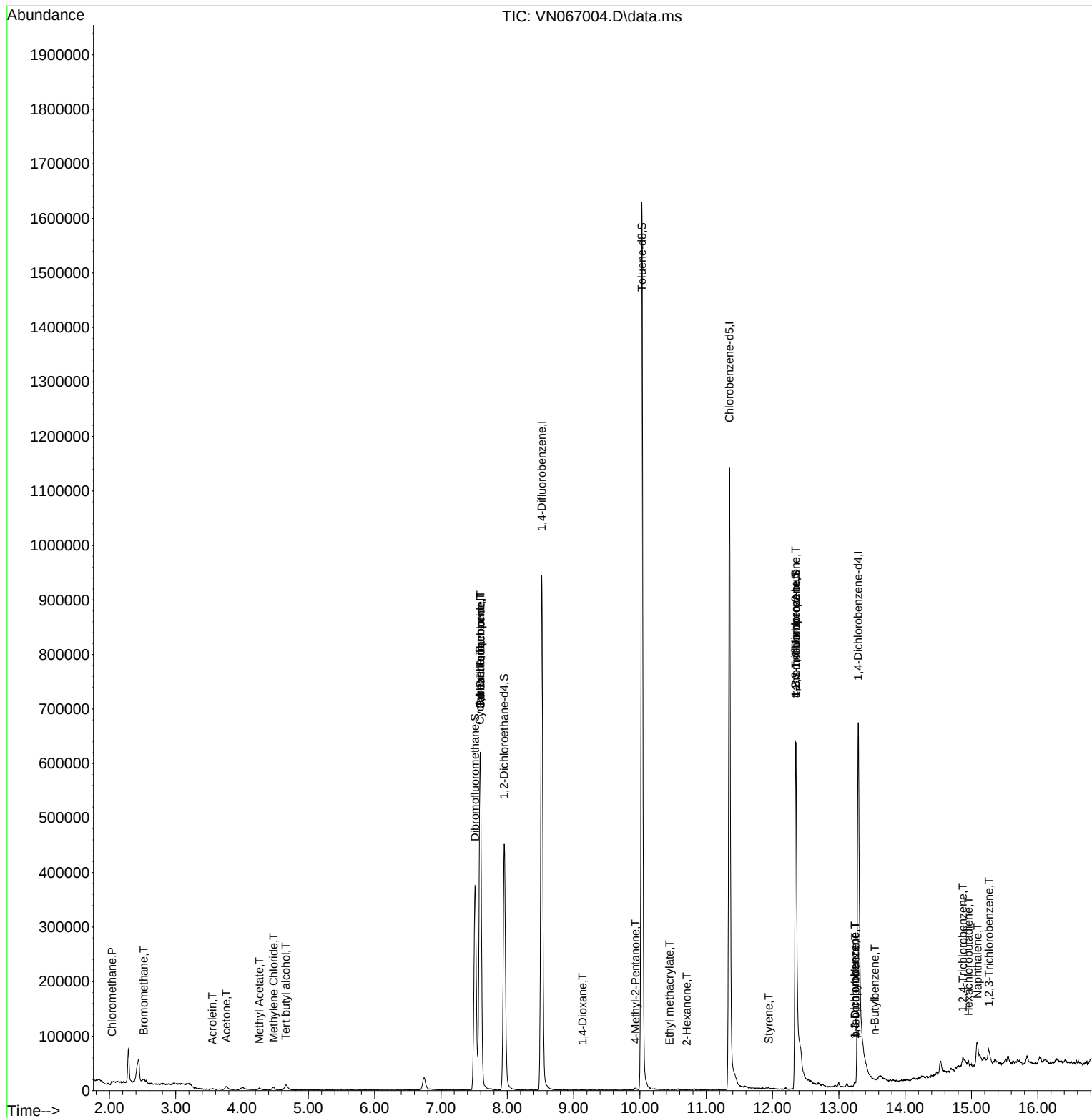
Internal Standards						
1) Pentafluorobenzene	7.592	168	483724	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.520	114	812712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	685682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	270688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	406550	53.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.80%			
35) Dibromofluoromethane	7.514	113	292243	52.95	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.90%			
50) Toluene-d8	10.030	98	1116112	53.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.22%			
62) 4-Bromofluorobenzene	12.350	95	304177	42.74	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.48%			
Target Compounds						Qvalue
3) Chloromethane	2.038	50	2382	0.25	ug/l	97
5) Bromomethane	2.518	94	1215	0.25	ug/l #	56
11) Tert butyl alcohol	4.658	59	9647	8.97	ug/l #	73
13) Acrolein	3.553	56	1182	1.32	ug/l #	51
16) Acetone	3.760	43	8992	3.36	ug/l	100
18) Methyl Acetate	4.261	43	6114	0.80	ug/l #	71
20) Methylene Chloride	4.476	84	3303	0.49	ug/l	98
31) Cyclohexane	7.587	56	11493	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.592	75	42708	5.05	ug/l #	49
38) Carbon Tetrachloride	7.595	117	50612	5.73	ug/l #	17
49) 1,4-Dioxane	9.134	88	27	0.27	ug/l #	1
51) 4-Methyl-2-Pentanone	9.933	43	3576	0.44	ug/l #	75
56) Ethyl methacrylate	10.448	69	52	5.20	ug/l #	1
59) 2-Hexanone	10.706	43	105	28.38	ug/l #	23
70) Styrene	11.942	104	470	4.74	ug/l #	72
76) 1,2,3-Trichloropropane	12.350	75	159472	24.73	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	159472	74.48	ug/l #	12
86) p-Isopropyltoluene	13.246	119	4043	0.24	ug/l #	79
87) 1,3-Dichlorobenzene	13.243	146	1890	0.22	ug/l	83
88) 1,4-Dichlorobenzene	13.243	146	1890	0.22	ug/l	85
89) n-Butylbenzene	13.543	91	183	5.25	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.868	180	3750	0.82	ug/l #	45
94) Hexachlorobutadiene	14.954	225	1280	0.46	ug/l	93
95) Naphthalene	15.091	128	54527	4.59	ug/l	96
96) 1,2,3-Trichlorobenzene	15.265	180	10452	2.37	ug/l	95

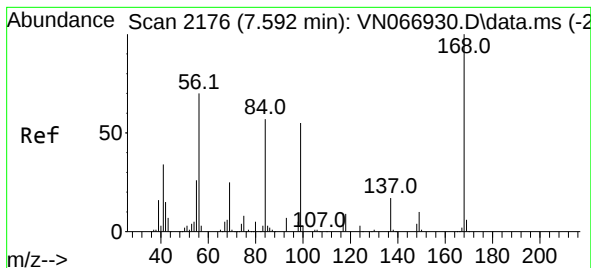
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
Data File : VN067004.D
Acq On : 6 May 2021 12:53
Operator : JC/MD
Sample : M2253-05 100X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 07 04:06:28 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



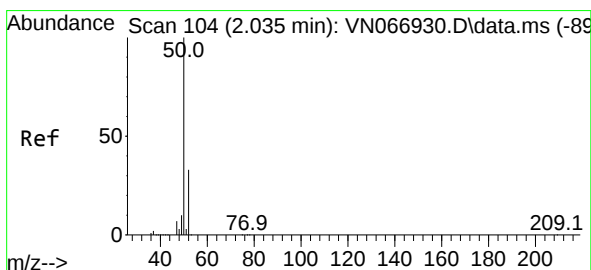
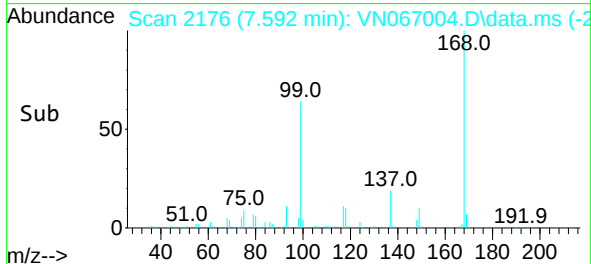
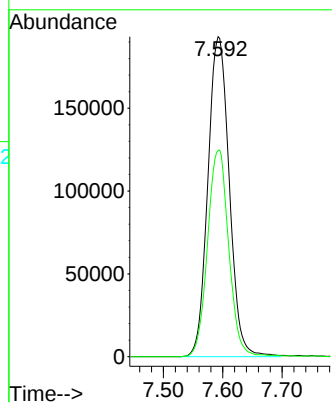
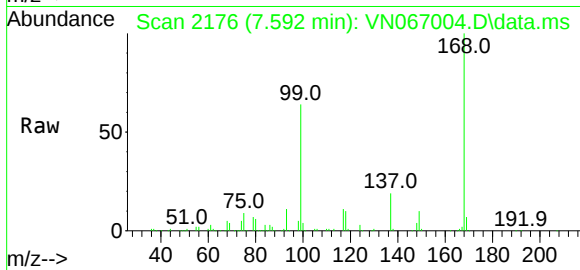


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.592 min Scan# 2176
 Delta R.T. 0.000 min
 Lab File: VN067004.D
 Acq: 6 May 2021 12:53

Instrument :
 MSVOA_N
 ClientSampled :

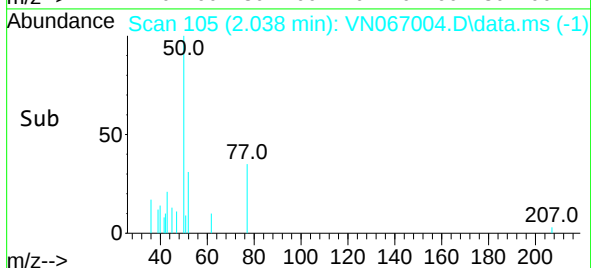
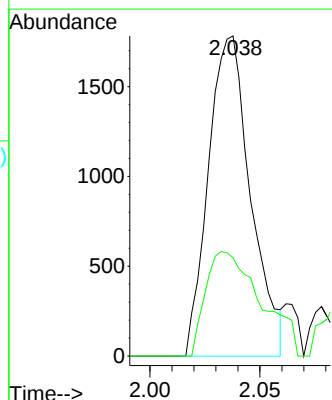
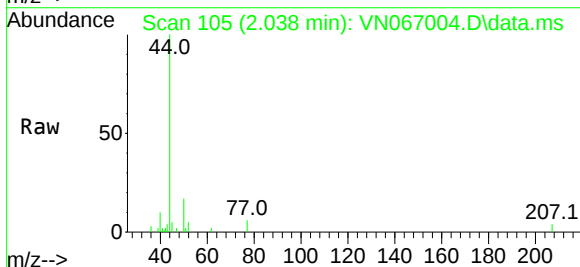
Tgt Ion:168 Resp: 483724
 Ion Ratio Lower Upper
 168 100
 99 64.5 42.6 63.8#

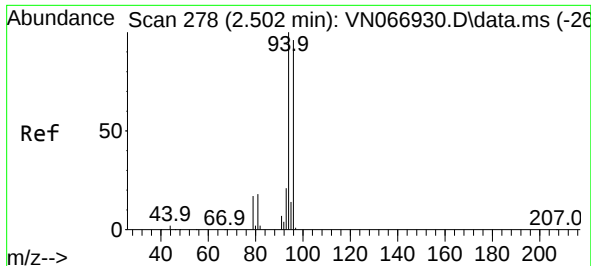


#3

Chloromethane
 Concen: 0.25 ug/l
 RT: 2.038 min Scan# 105
 Delta R.T. 0.003 min
 Lab File: VN067004.D
 Acq: 6 May 2021 12:53

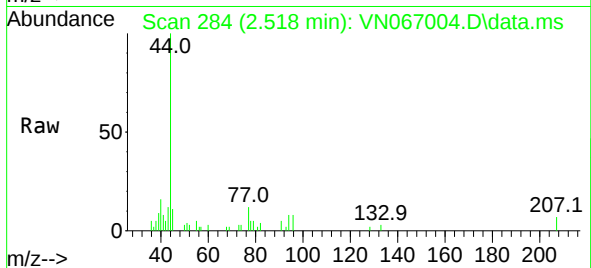
Tgt Ion: 50 Resp: 2382
 Ion Ratio Lower Upper
 50 100
 52 30.7 25.8 38.8



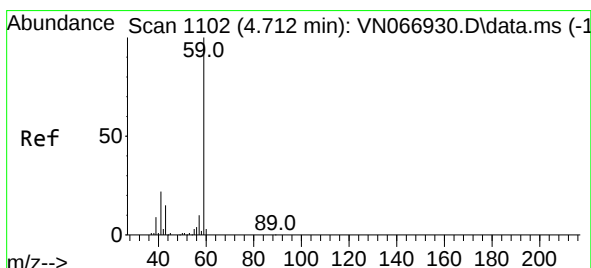
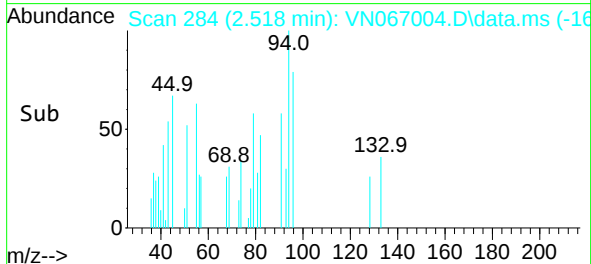
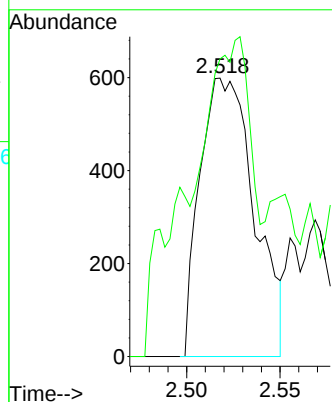


#5
Bromomethane
Concen: 0.25 ug/l
RT: 2.518 min Scan# 284
Delta R.T. 0.016 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Instrument :
MSVOA_N
ClientSampled :

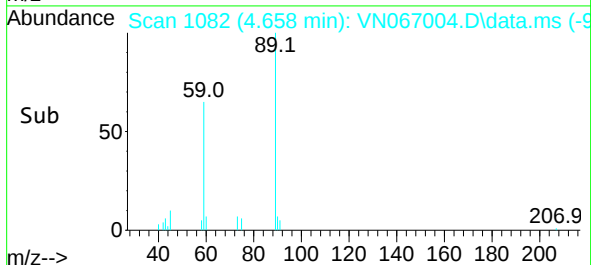
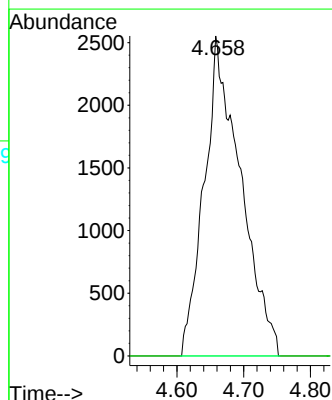
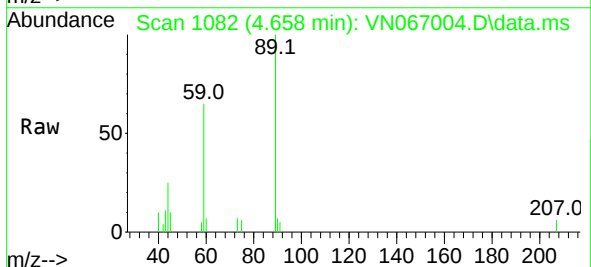


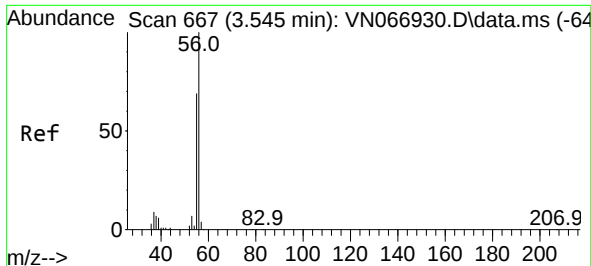
Tgt Ion: 94 Resp: 1215
Ion Ratio Lower Upper
94 100
96 49.4 73.0 109.4#



#11
Tert butyl alcohol
Concen: 8.97 ug/l
RT: 4.658 min Scan# 1082
Delta R.T. -0.054 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

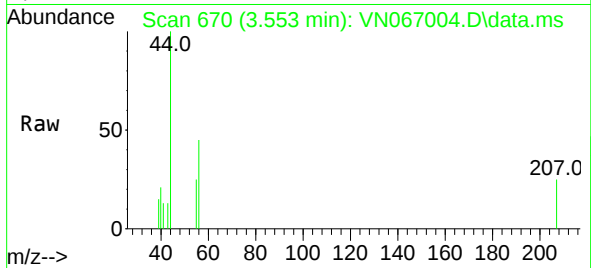
Tgt Ion: 59 Resp: 9647
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



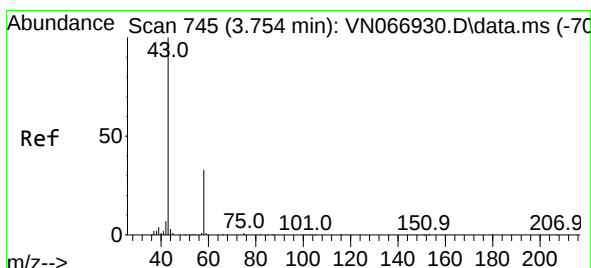
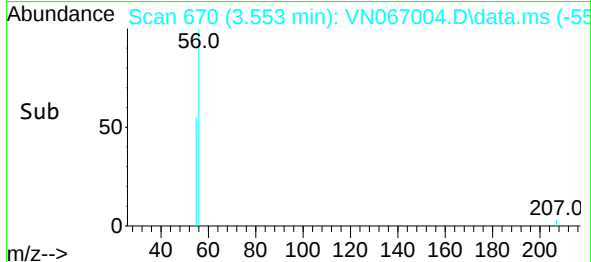
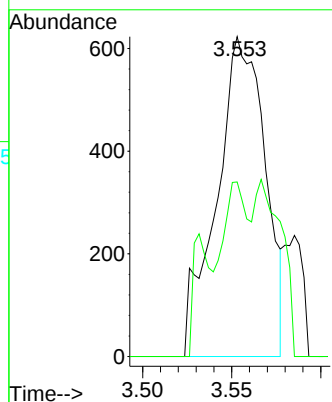


#13
Acrolein
Concen: 1.32 ug/l
RT: 3.553 min Scan# 670
Delta R.T. 0.008 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Instrument :
MSVOA_N
ClientSampled :

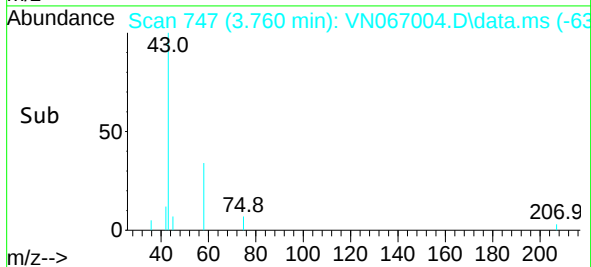
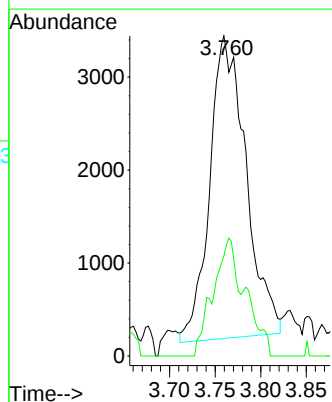
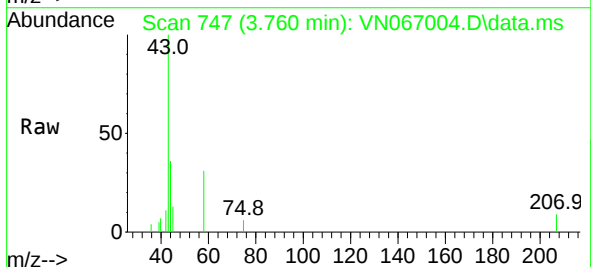


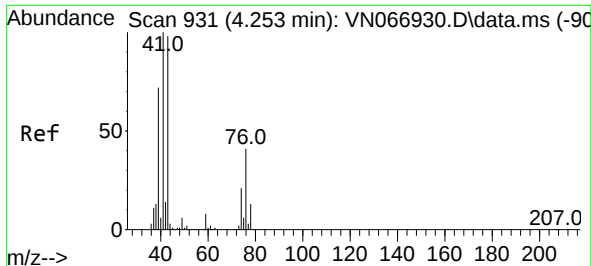
Tgt Ion: 56 Resp: 1182
Ion Ratio Lower Upper
56 100
55 30.0 56.0 84.0#



#16
Acetone
Concen: 3.36 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

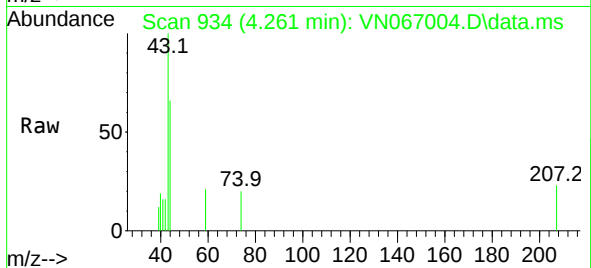
Tgt Ion: 43 Resp: 8992
Ion Ratio Lower Upper
43 100
58 33.6 27.0 40.6



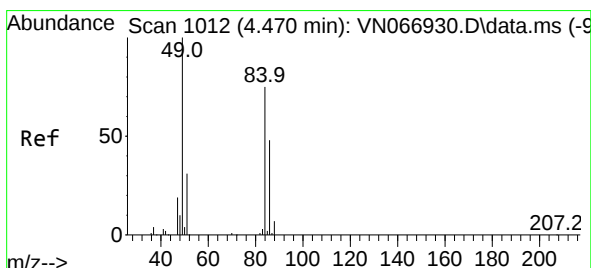
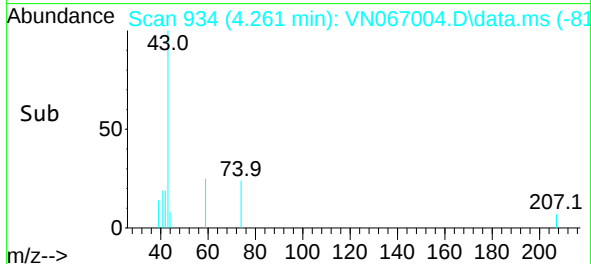
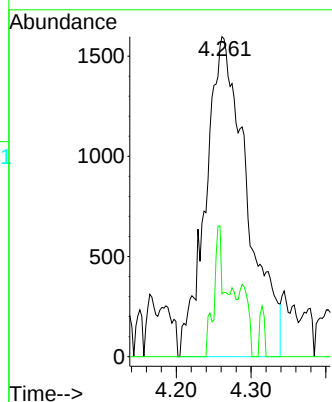


#18
Methyl Acetate
Concen: 0.80 ug/l
RT: 4.261 min Scan# 934
Delta R.T. 0.008 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Instrument :
MSVOA_N
ClientSampled :

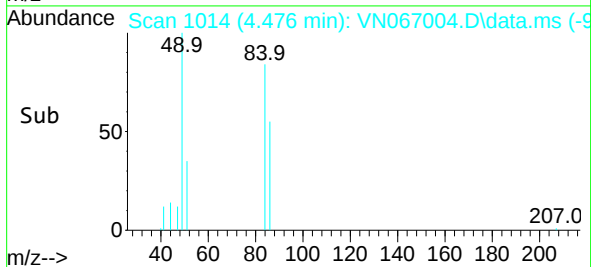
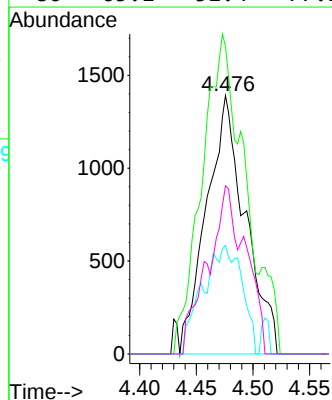
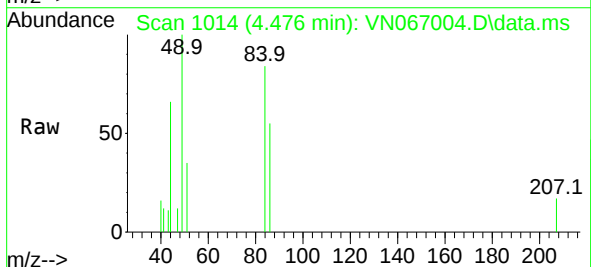


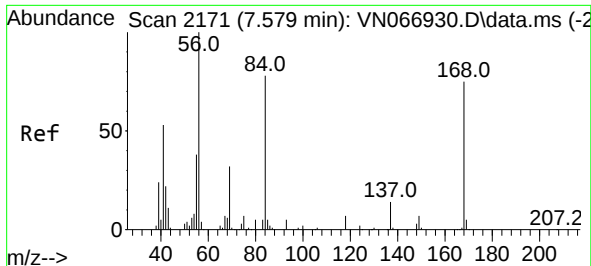
Tgt Ion: 43 Resp: 6114
Ion Ratio Lower Upper
43 100
74 10.1 19.5 29.3#



#20
Methylene Chloride
Concen: 0.49 ug/l
RT: 4.476 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

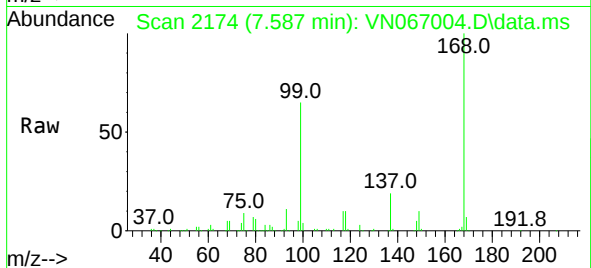
Tgt Ion: 84 Resp: 3303
Ion Ratio Lower Upper
84 100
49 119.1 94.6 141.8
51 41.9 29.9 44.9
86 65.1 51.4 77.2



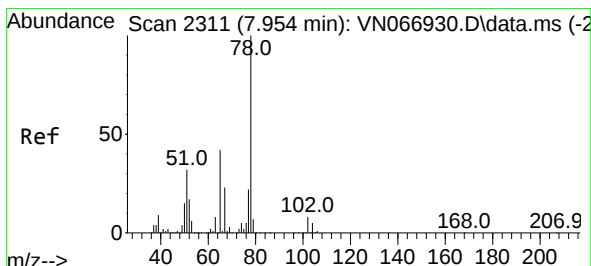
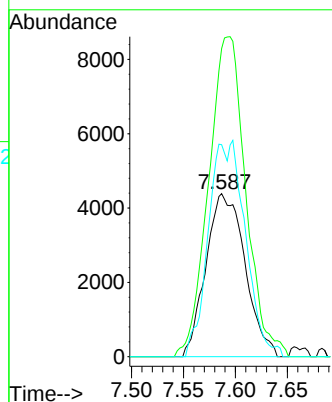
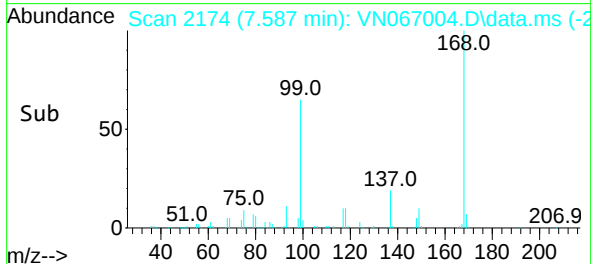


#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

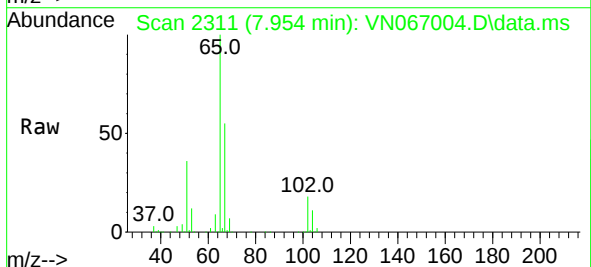
Instrument :
MSVOA_N
ClientSampled :



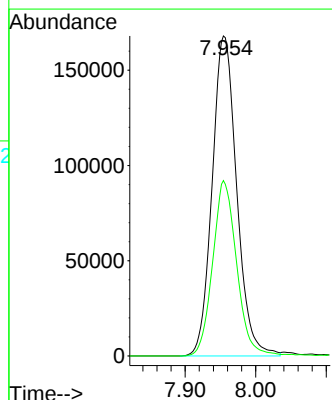
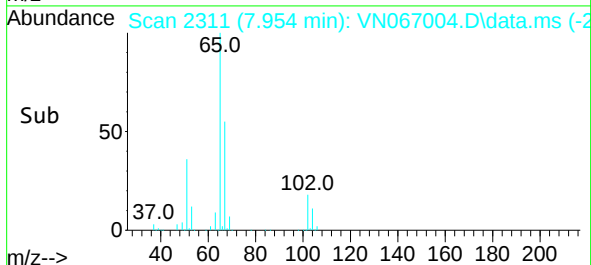
Tgt Ion: 56 Resp: 11493
Ion Ratio Lower Upper
56 100
69 183.8 26.6 39.8#
84 130.1 70.4 105.6#

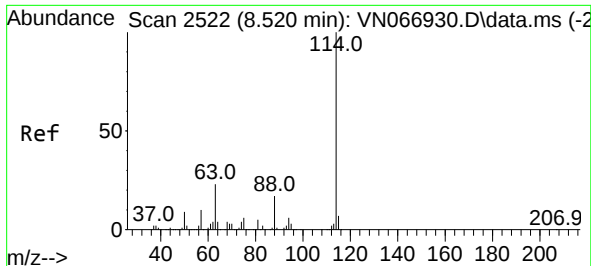


#33
1,2-Dichloroethane-d4
Concen: 53.40 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53



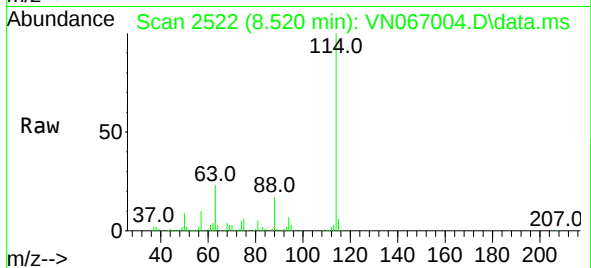
Tgt Ion: 65 Resp: 406550
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2



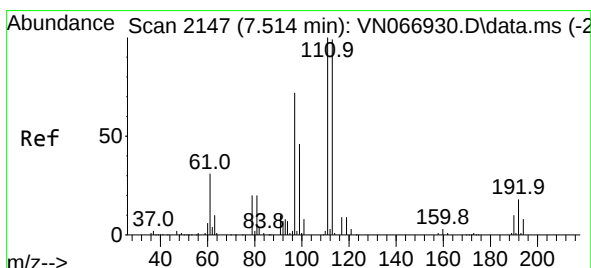
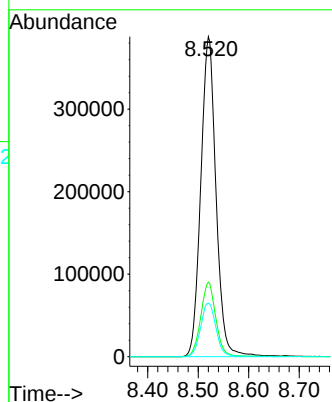
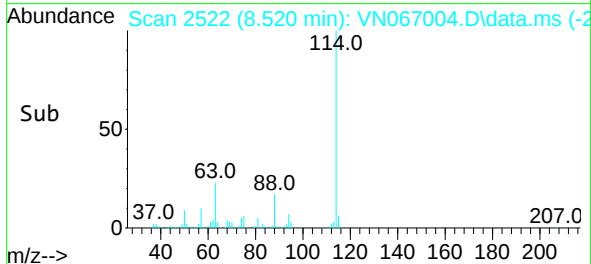


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

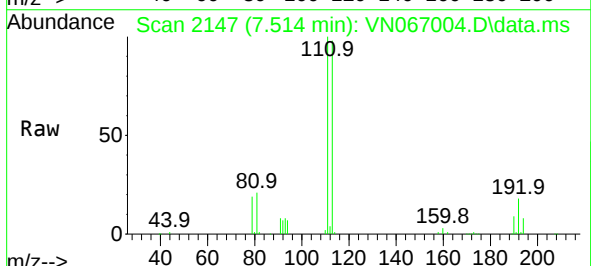
Instrument :
MSVOA_N
ClientSampled :



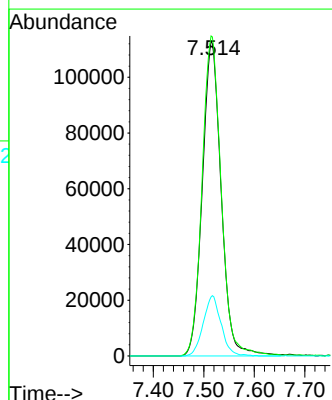
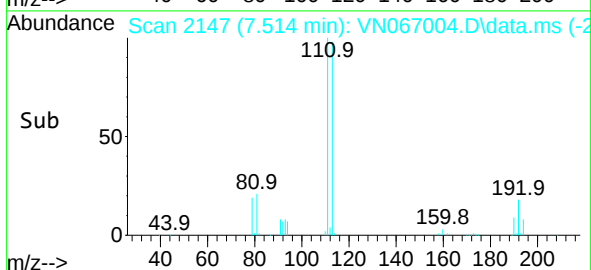
Tgt Ion:114 Resp: 812712
Ion Ratio Lower Upper
114 100
63 23.3 0.0 38.6
88 16.7 0.0 30.6

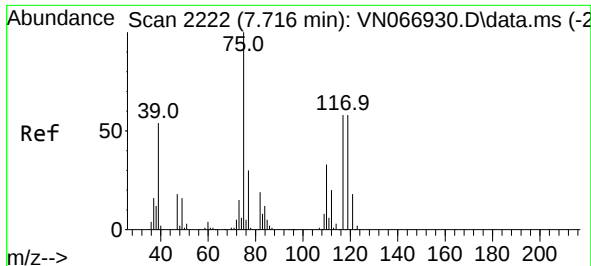


#35
Dibromofluoromethane
Concen: 52.95 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53



Tgt Ion:113 Resp: 292243
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.0 15.4 23.0

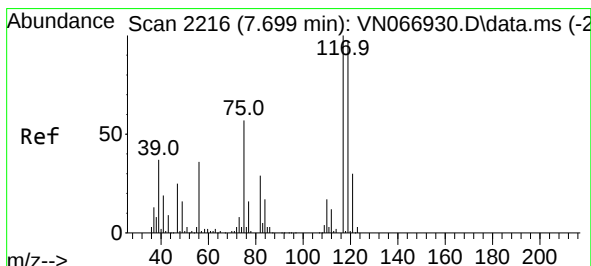
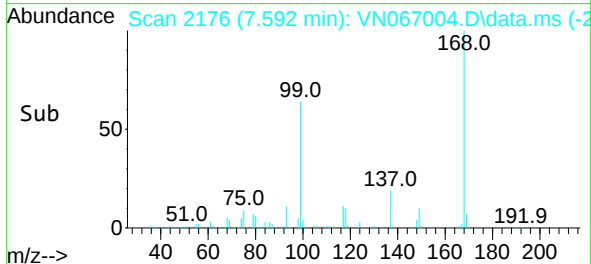
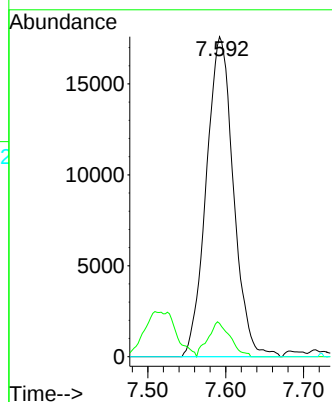
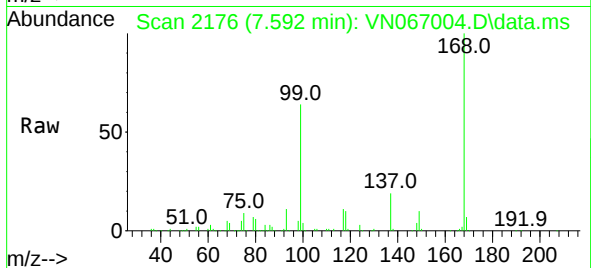




#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

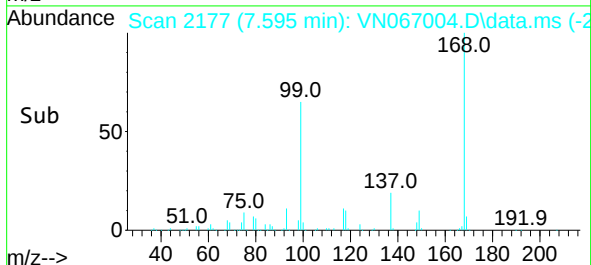
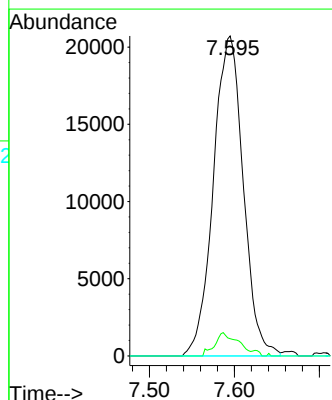
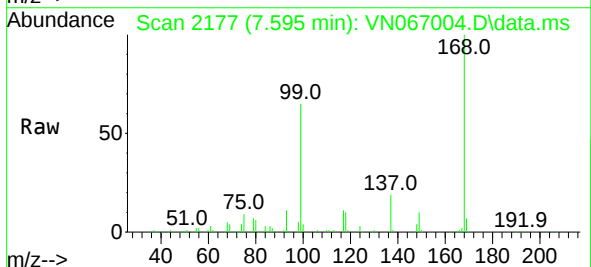
Instrument :
MSVOA_N
ClientSampled :

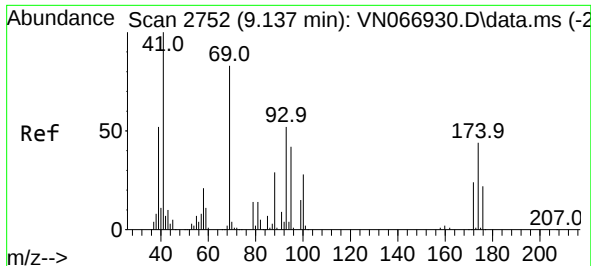
Tgt Ion: 75 Resp: 42708
Ion Ratio Lower Upper
75 100
110 8.8 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. -0.104 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

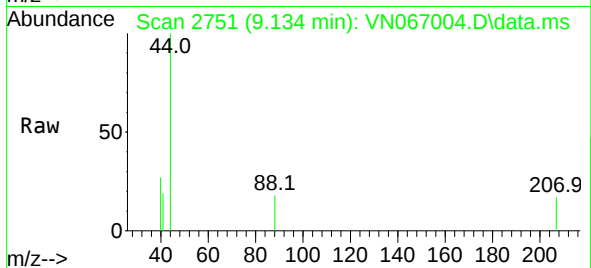
Tgt Ion: 117 Resp: 50612
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.5 36.7#



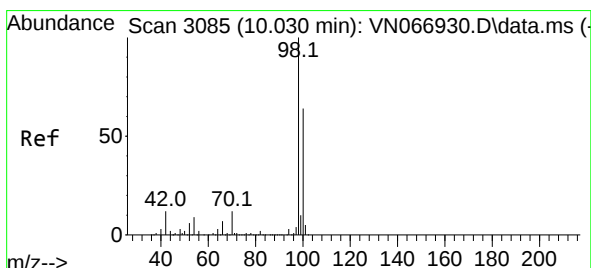
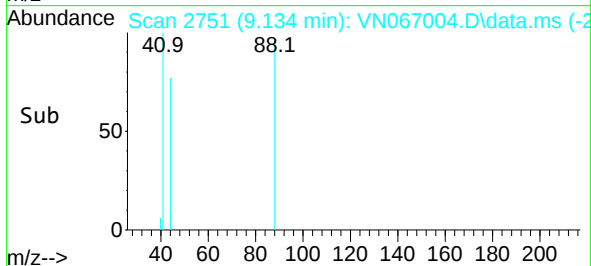
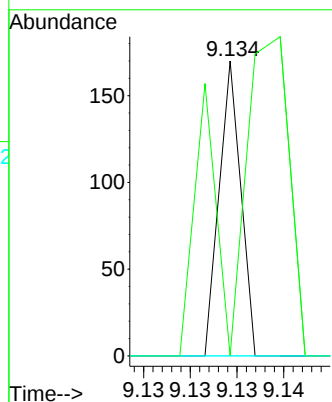


#49
1,4-Dioxane
Concen: 0.27 ug/l
RT: 9.134 min Scan# 2751
Delta R.T. -0.003 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Instrument :
MSVOA_N
ClientSampled :

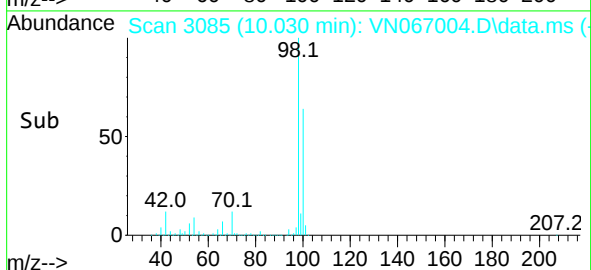
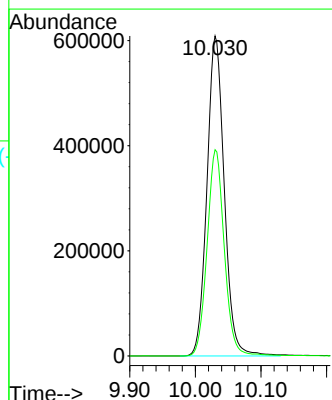
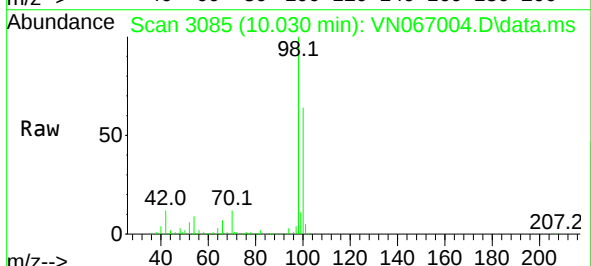


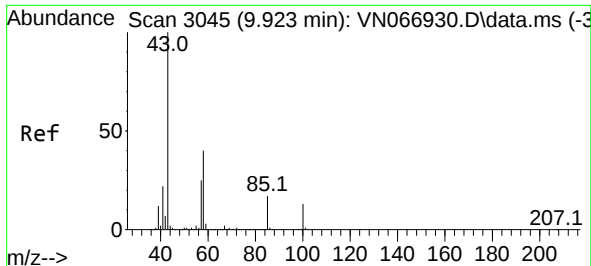
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 307.4 24.7 37.1#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 53.11 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Tgt Ion: 98 Resp: 1116112
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

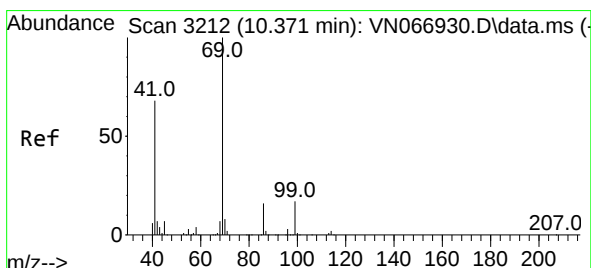
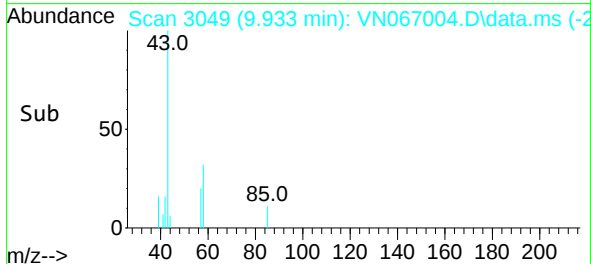
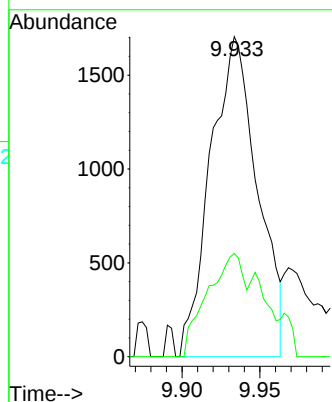
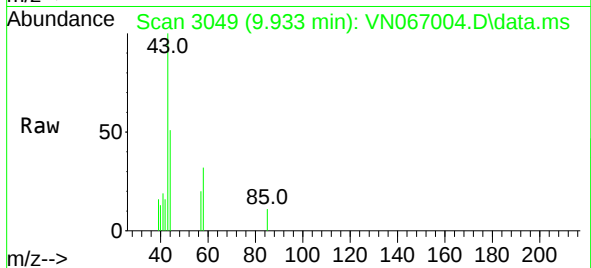




#51
4-Methyl-2-Pentanone
Concen: 0.44 ug/l
RT: 9.933 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

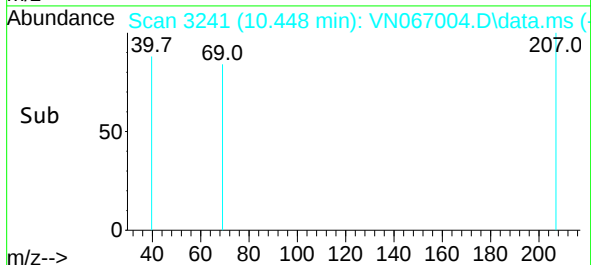
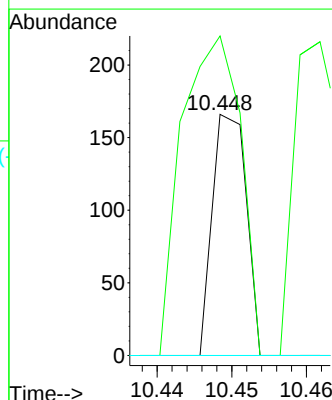
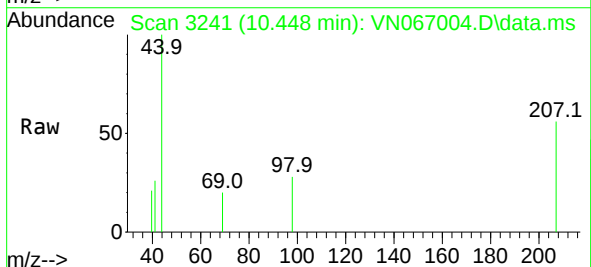
Instrument :
MSVOA_N
ClientSampled :

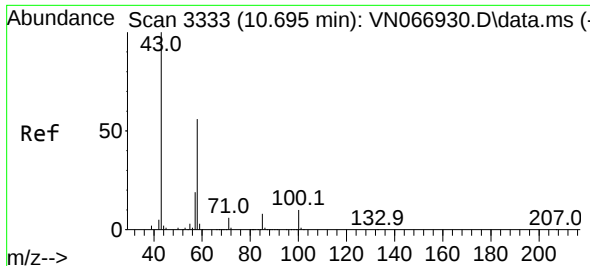
Tgt Ion: 43 Resp: 3576
Ion Ratio Lower Upper
43 100
58 25.3 32.5 48.7#



#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.448 min Scan# 3241
Delta R.T. 0.077 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Tgt Ion: 69 Resp: 52
Ion Ratio Lower Upper
69 100
41 230.8 49.6 74.4#
39 0.0 28.0 42.0#

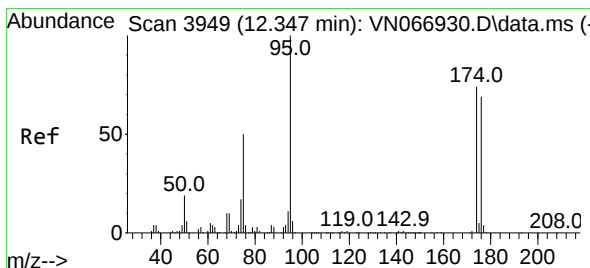
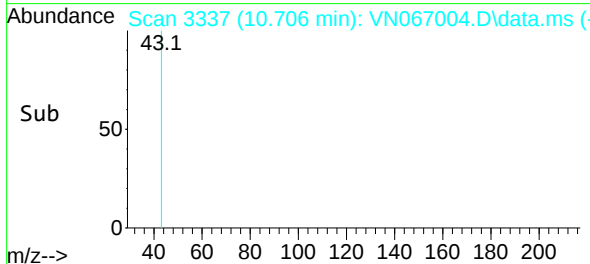
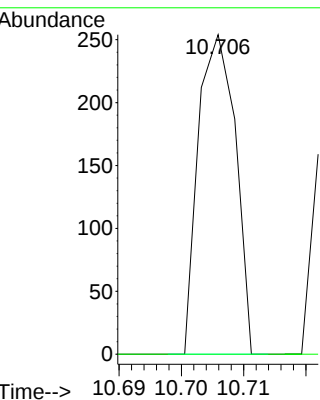
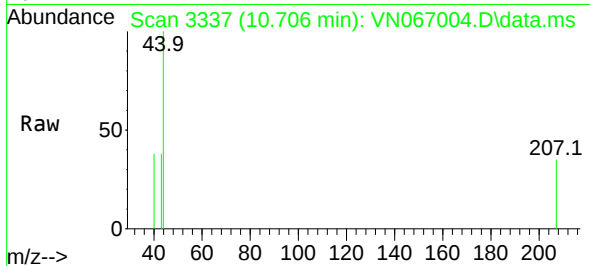




#59
2-Hexanone
Concen: 28.38 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

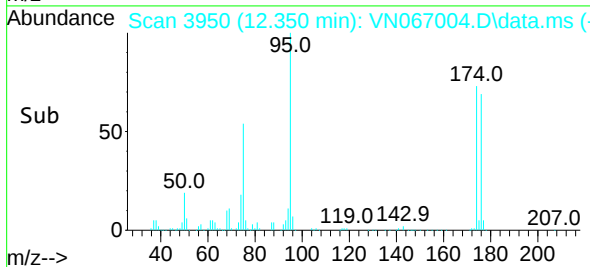
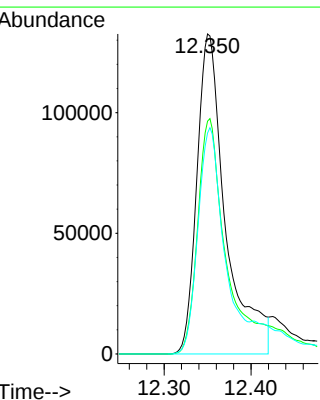
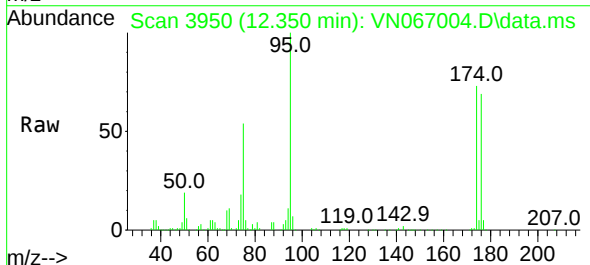
Instrument :
MSVOA_N
ClientSampleId :

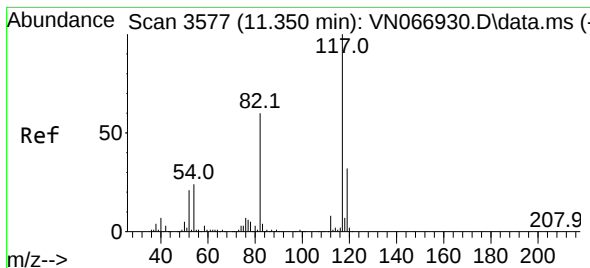
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 42.74 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

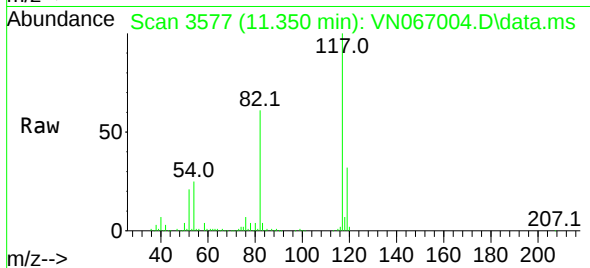
Tgt Ion: 95 Resp: 304177
Ion Ratio Lower Upper
95 100
174 80.7 0.0 169.0
176 64.5 0.0 162.4



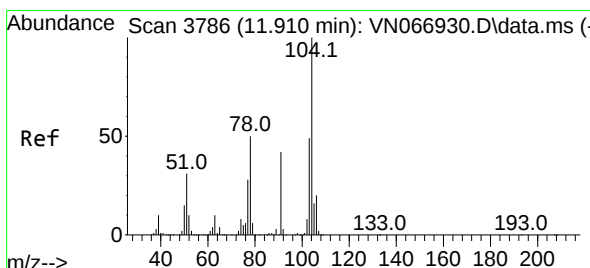
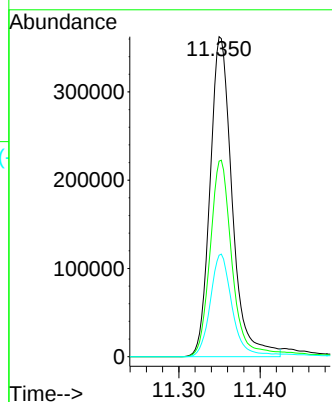
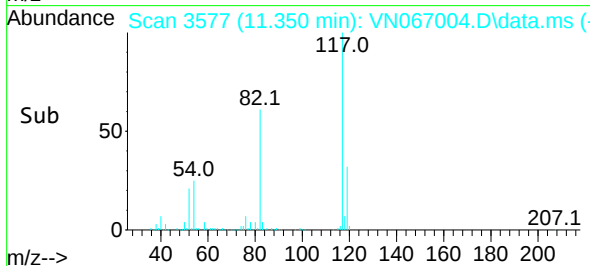


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

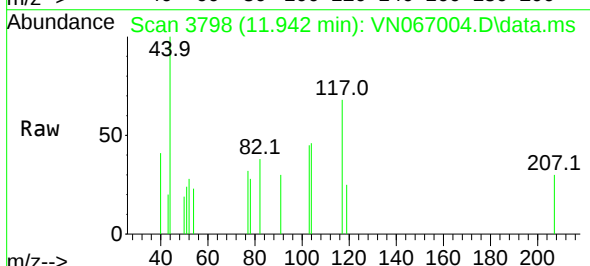
Instrument :
MSVOA_N
ClientSampleId :



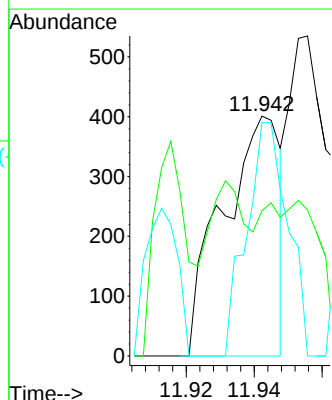
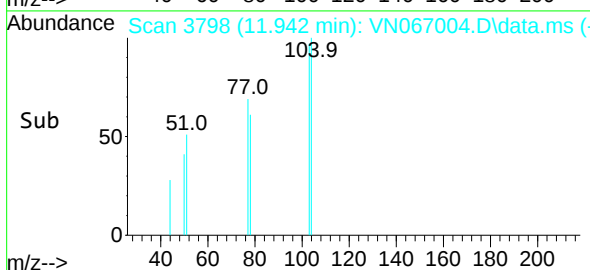
Tgt Ion:117 Resp: 685682
Ion Ratio Lower Upper
117 100
82 61.1 43.7 65.5
119 31.7 26.1 39.1

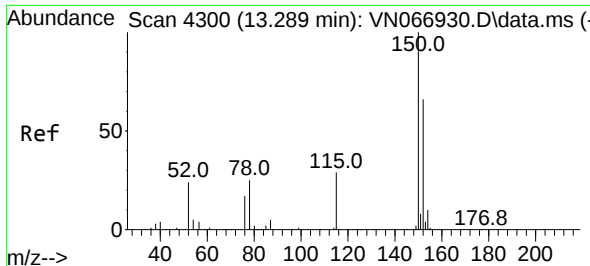


#70
Styrene
Concen: 4.74 ug/l
RT: 11.942 min Scan# 3798
Delta R.T. 0.032 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53



Tgt Ion:104 Resp: 470
Ion Ratio Lower Upper
104 100
78 23.4 39.0 58.4#
103 69.8 44.5 66.7#

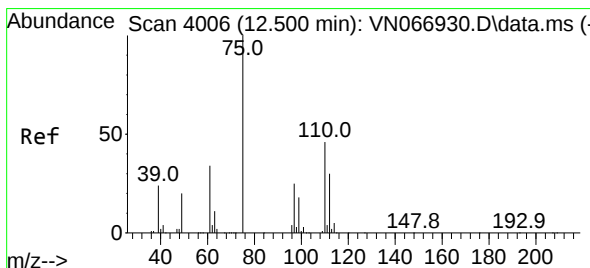
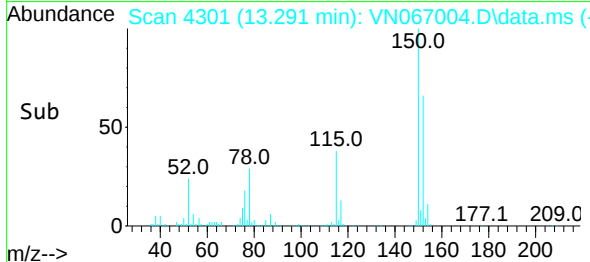
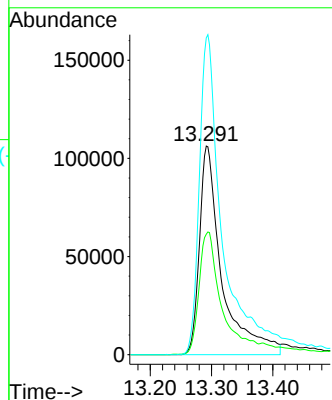
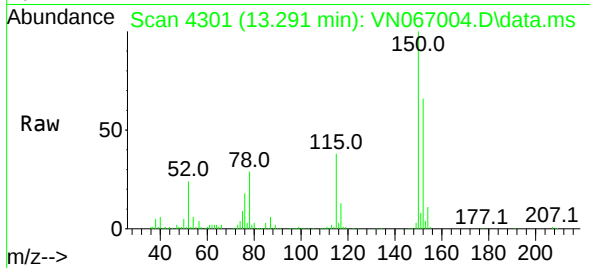




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

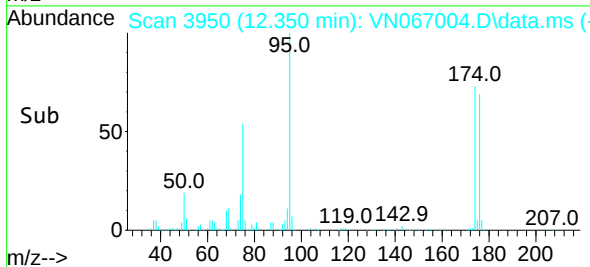
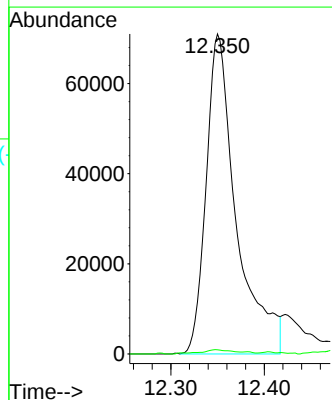
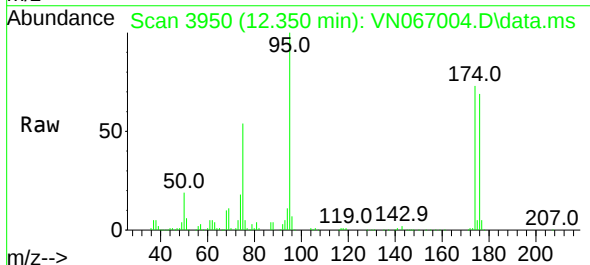
Instrument :
MSVOA_N
ClientSampled :

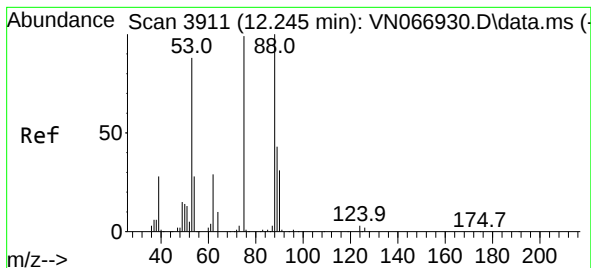
Tgt Ion:152 Resp: 270688
Ion Ratio Lower Upper
152 100
115 58.6 28.5 85.6
150 164.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 24.73 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

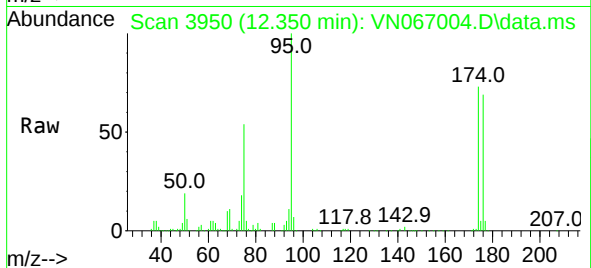
Tgt Ion: 75 Resp: 159472
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



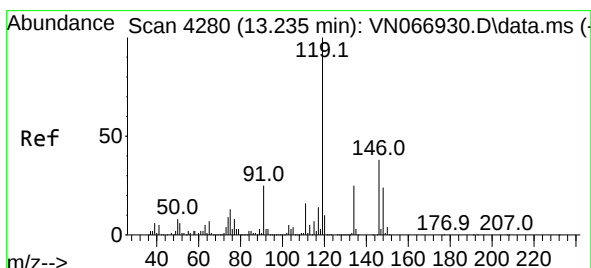
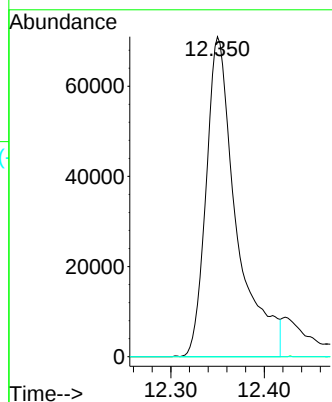
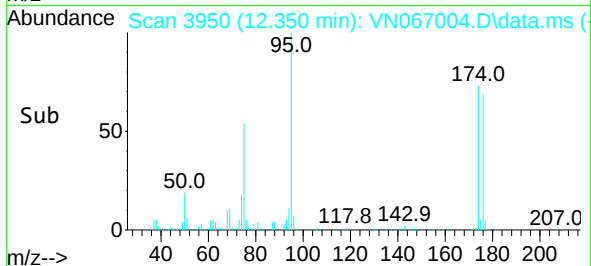


#81
trans-1,4-Dichloro-2-butene
Concen: 74.48 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

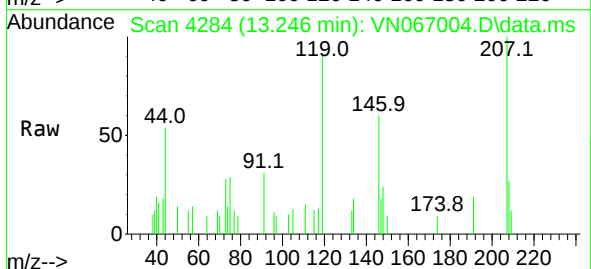
Instrument :
MSVOA_N
ClientSampleId :



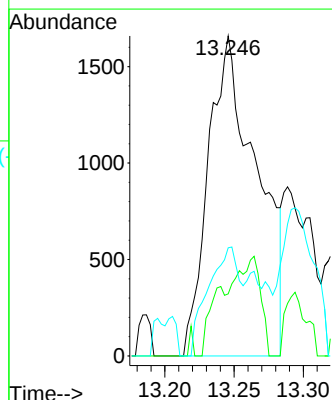
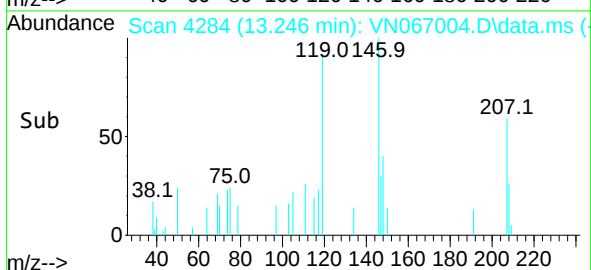
Tgt Ion: 75 Resp: 159472
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

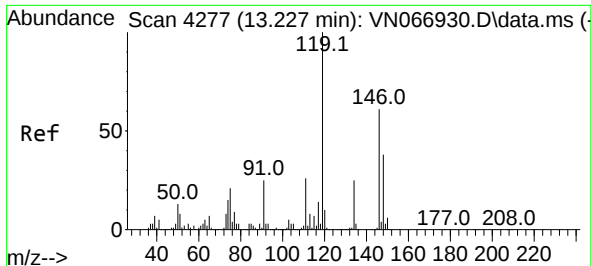


#86
p-Isopropyltoluene
Concen: 0.24 ug/l
RT: 13.246 min Scan# 4284
Delta R.T. 0.011 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53



Tgt Ion: 119 Resp: 4043
Ion Ratio Lower Upper
119 100
134 7.0 13.3 39.8#
91 22.2 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.243 min Scan# 4283

Delta R.T. 0.016 min

Lab File: VN067004.D

Acq: 6 May 2021 12:53

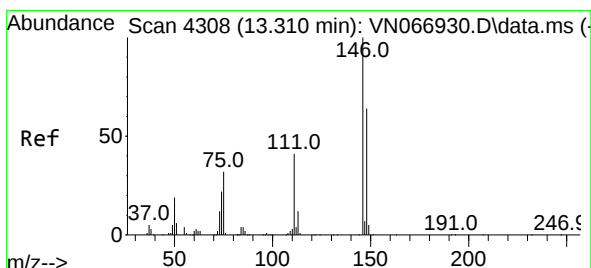
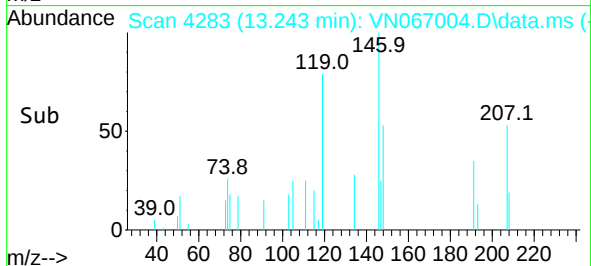
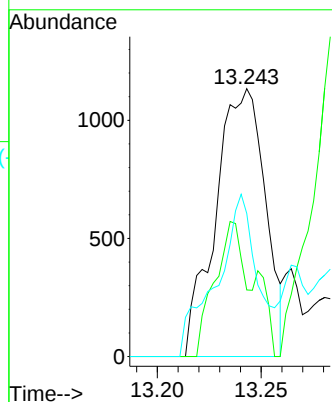
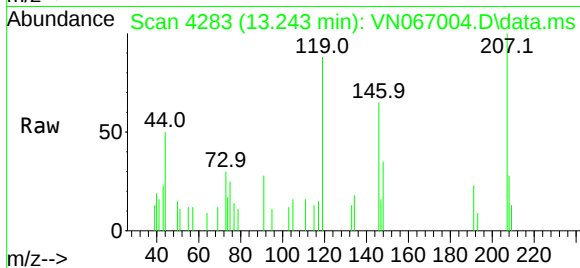
Tgt Ion:146 Resp: 1890

Ion Ratio Lower Upper

146 100

111 31.2 19.5 58.5

148 49.7 32.3 96.9



#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.243 min Scan# 4283

Delta R.T. -0.067 min

Lab File: VN067004.D

Acq: 6 May 2021 12:53

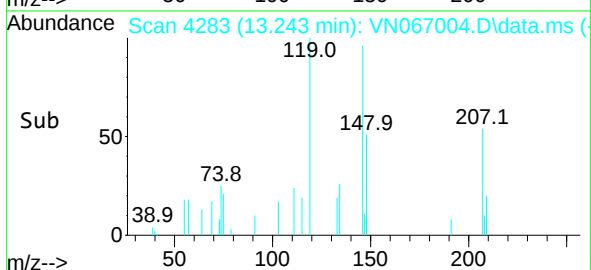
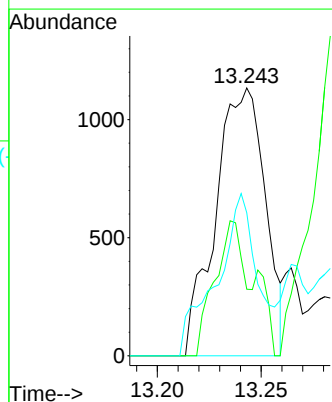
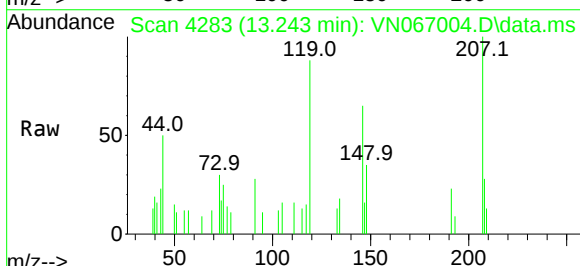
Tgt Ion:146 Resp: 1890

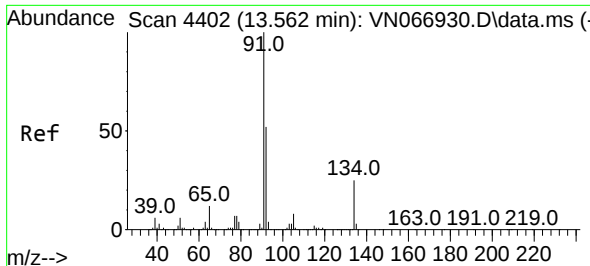
Ion Ratio Lower Upper

146 100

111 31.2 19.0 57.0

148 49.7 31.8 95.3

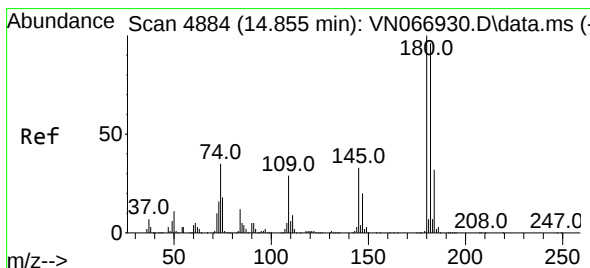
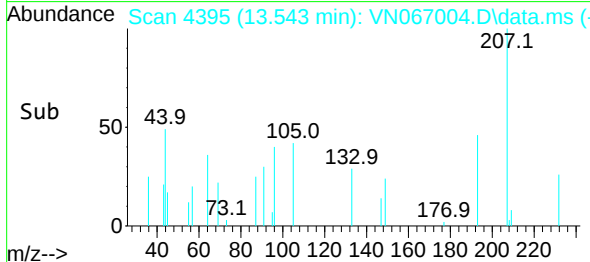
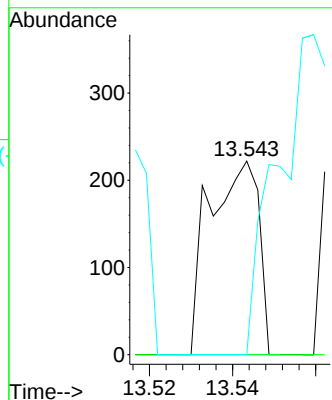
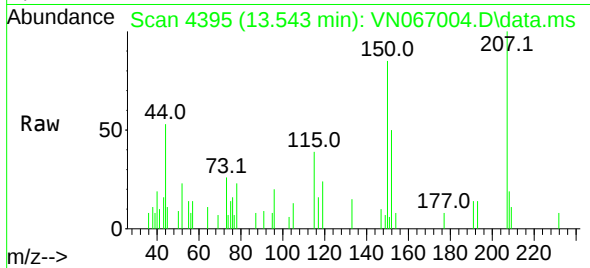




#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.543 min Scan# 4395
Delta R.T. -0.019 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

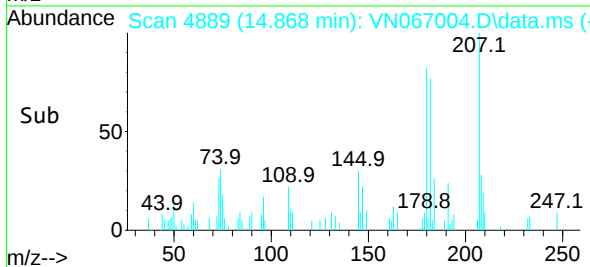
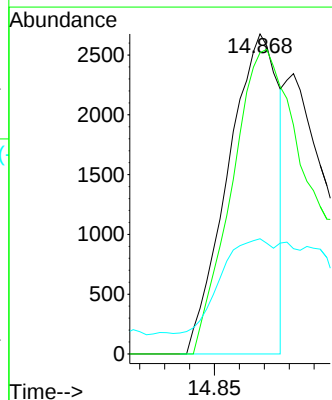
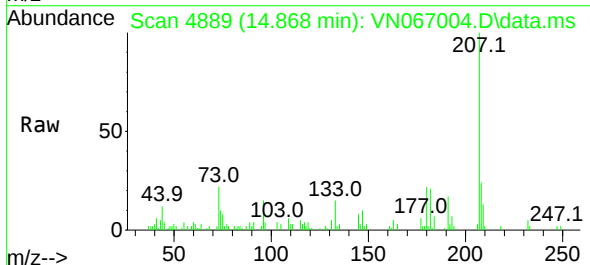
Instrument :
MSVOA_N
ClientSampled :

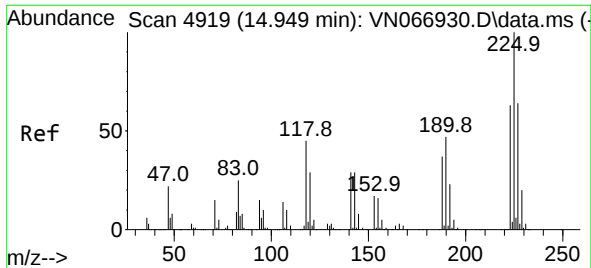
Tgt Ion: 91 Resp: 183
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.82 ug/l
RT: 14.868 min Scan# 4889
Delta R.T. 0.013 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Tgt Ion:180 Resp: 3750
Ion Ratio Lower Upper
180 100
182 165.1 47.3 142.0#
145 29.7 15.6 46.8

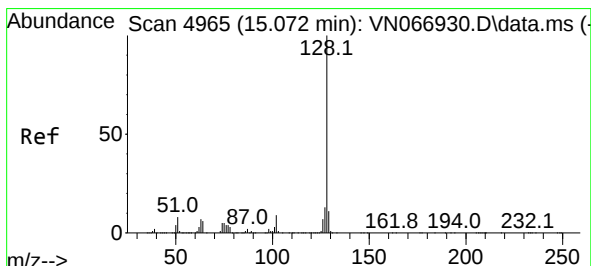
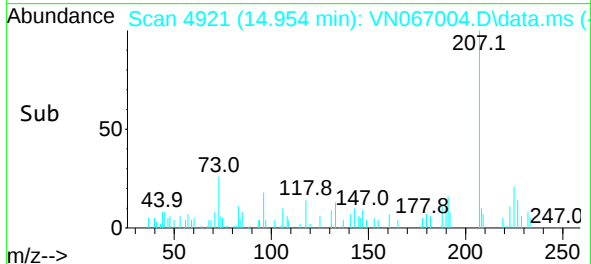
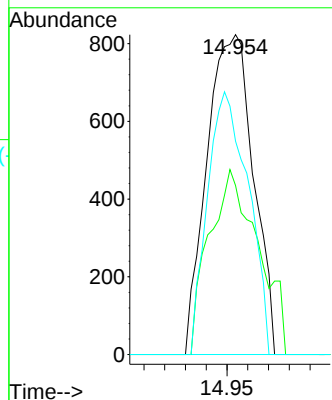
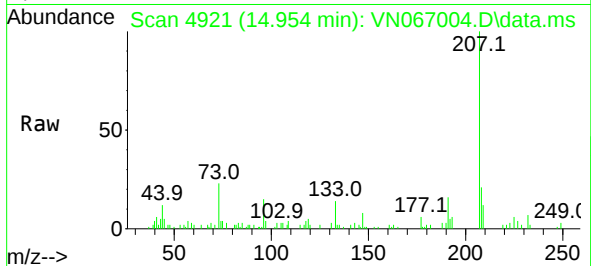




#94
Hexachlorobutadiene
Concen: 0.46 ug/l
RT: 14.954 min Scan# 4921
Delta R.T. 0.005 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

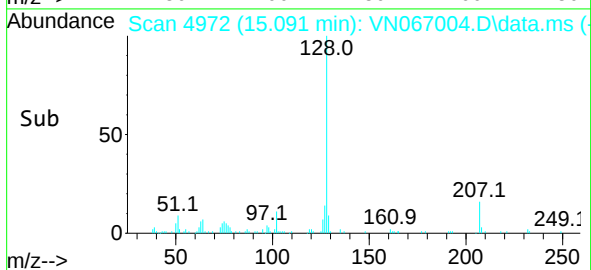
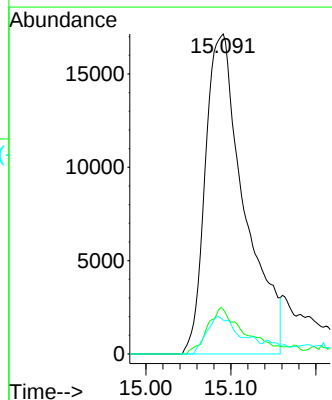
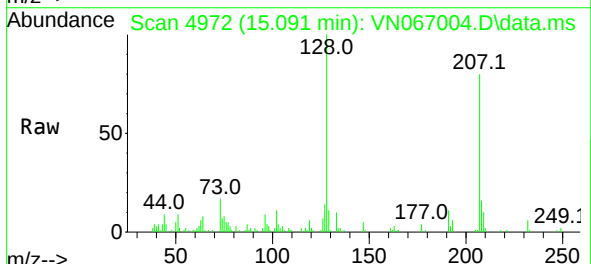
Instrument :
MSVOA_N
ClientSampled :

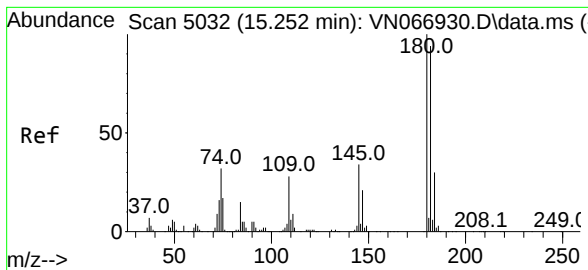
Tgt Ion:225 Resp: 1280
Ion Ratio Lower Upper
225 100
223 61.0 31.9 95.9
227 72.1 31.6 95.0



#95
Naphthalene
Concen: 4.59 ug/l
RT: 15.091 min Scan# 4972
Delta R.T. 0.019 min
Lab File: VN067004.D
Acq: 6 May 2021 12:53

Tgt Ion:128 Resp: 54527
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 9.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.37 ug/l
 RT: 15.265 min Scan# 5037
 Delta R.T. 0.013 min
 Lab File: VN067004.D
 Acq: 6 May 2021 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	180	Resp:	10452
Ion Ratio	Lower	Upper	
180	100		
182	91.9	47.4	142.3
145	38.2	16.5	49.5

