

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
 Data File : VN067001.D
 Acq On : 6 May 2021 11:37
 Operator : JC/MD
 Sample : VN0506WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 04:05:09 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)

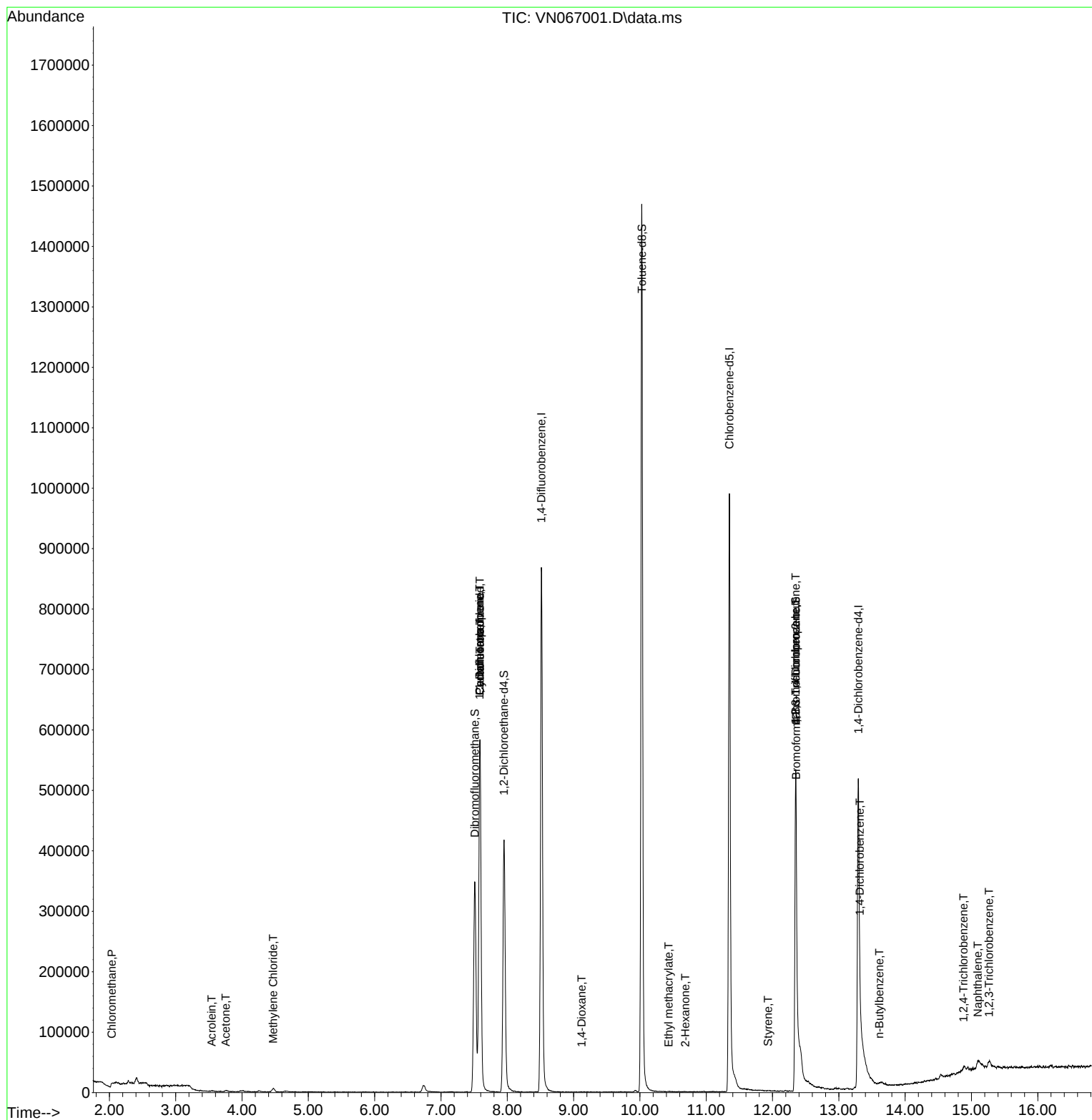
Internal Standards						
1) Pentafluorobenzene	7.587	168	453354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	746254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	620201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	220187	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.951	65	379897	53.24	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.48%			
35) Dibromofluoromethane	7.509	113	278382	54.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.86%			
50) Toluene-d8	10.030	98	1022007	52.96	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.92%			
62) 4-Bromofluorobenzene	12.350	95	298802	45.73	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.46%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2028	0.23	ug/l	96
13) Acrolein	3.540	56	420	0.50	ug/l #	79
16) Acetone	3.754	43	1632	0.65	ug/l	99
20) Methylene Chloride	4.470	84	4545	0.71	ug/l	90
31) Cyclohexane	7.587	56	10561	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	38938	5.01	ug/l #	49
38) Carbon Tetrachloride	7.587	117	46300	5.71	ug/l #	18
49) 1,4-Dioxane	9.121	88	59	0.65	ug/l #	36
56) Ethyl methacrylate	10.432	69	88	5.20	ug/l #	77
59) 2-Hexanone	10.684	43	168	28.39	ug/l #	23
70) Styrene	11.934	104	192	4.72	ug/l #	46
71) Bromoform	12.358	173	2245	0.60	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	132173	25.20	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	132173	75.78	ug/l #	12
88) 1,4-Dichlorobenzene	13.315	146	1970	0.28	ug/l #	56
89) n-Butylbenzene	13.613	91	982	5.31	ug/l #	76
93) 1,2,4-Trichlorobenzene	14.879	180	1578	0.43	ug/l #	73
95) Naphthalene	15.096	128	8990	0.93	ug/l	96
96) 1,2,3-Trichlorobenzene	15.262	180	2382	0.66	ug/l #	23

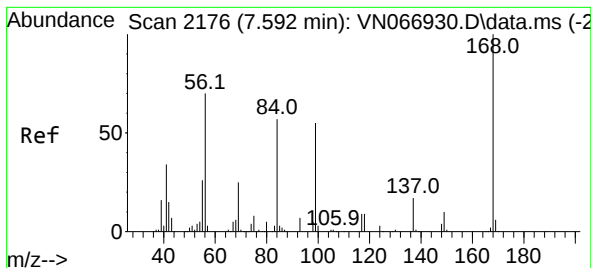
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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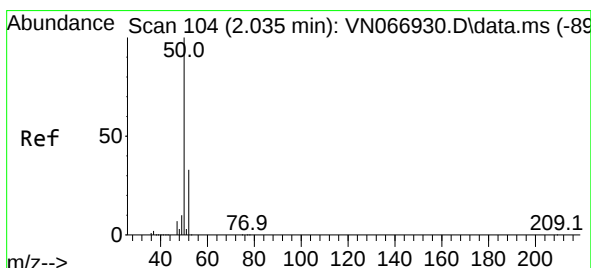
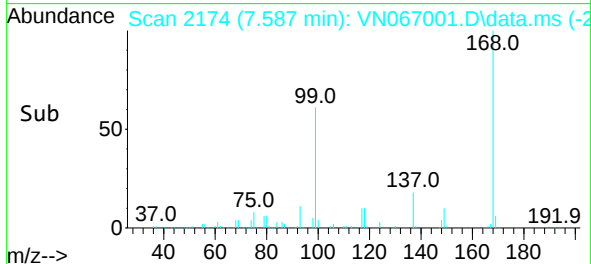
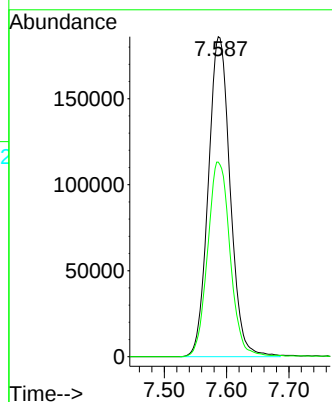
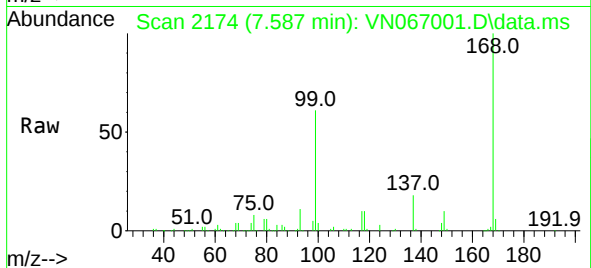




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.005 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

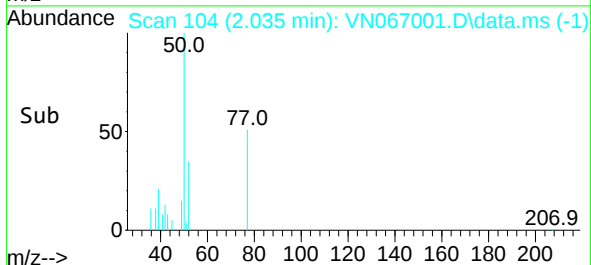
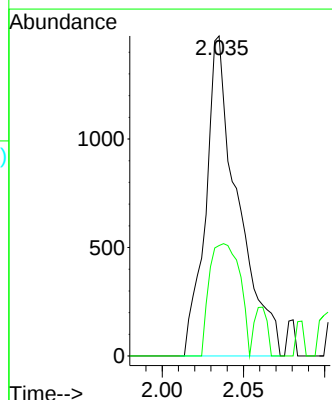
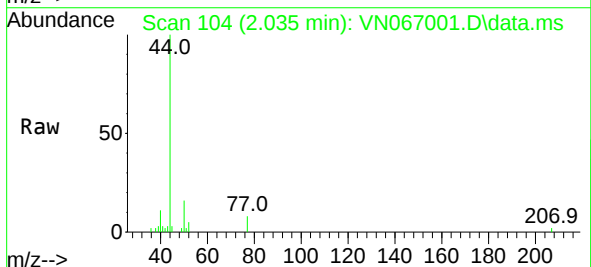
Instrument :
MSVOA_N
ClientSampleId :

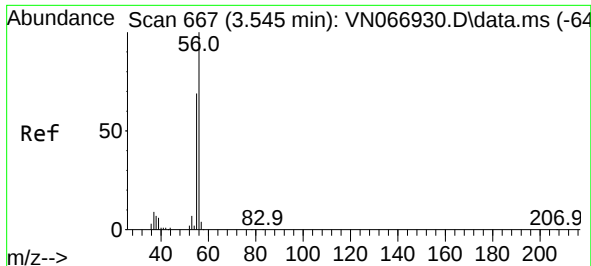
Tgt Ion:168 Resp: 453354
Ion Ratio Lower Upper
168 100
99 60.8 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion: 50 Resp: 2028
Ion Ratio Lower Upper
50 100
52 34.5 25.8 38.8

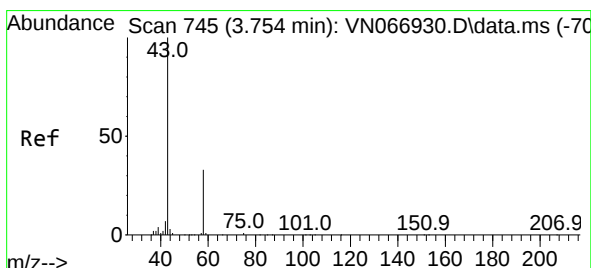
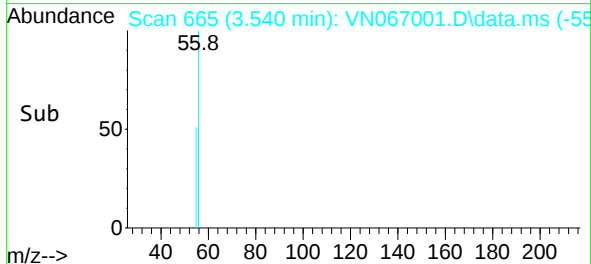
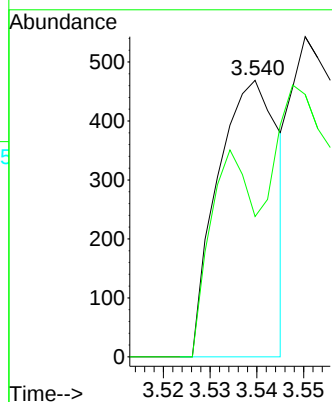
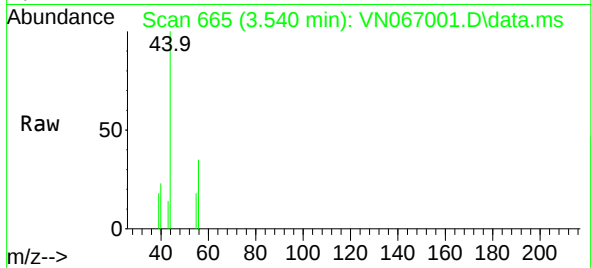




#13
Acrolein
Concen: 0.50 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

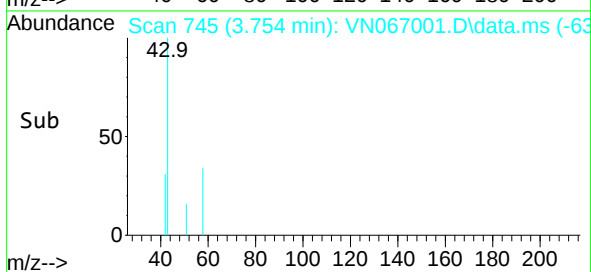
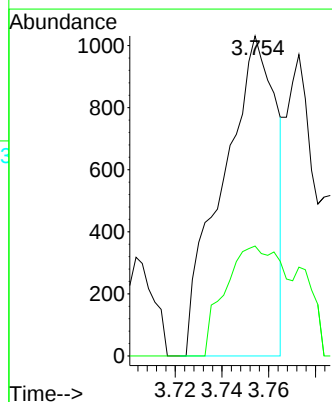
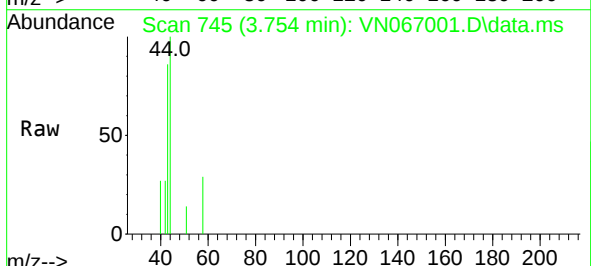
Instrument :
MSVOA_N
ClientSampled :

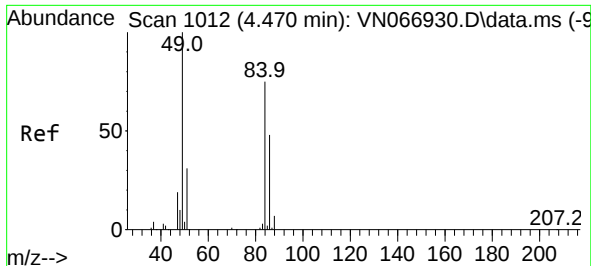
Tgt Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 52.4 56.0 84.0#



#16
Acetone
Concen: 0.65 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

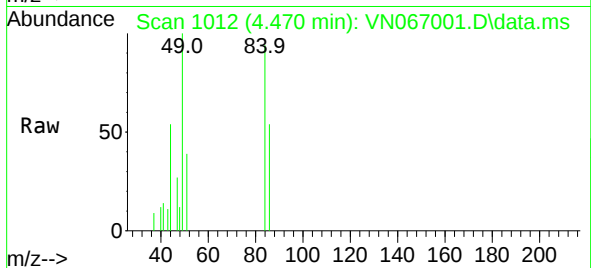
Tgt Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
58 34.3 27.0 40.6



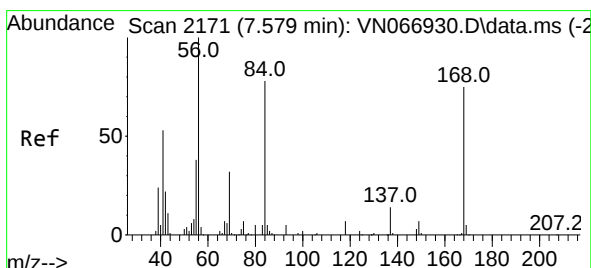
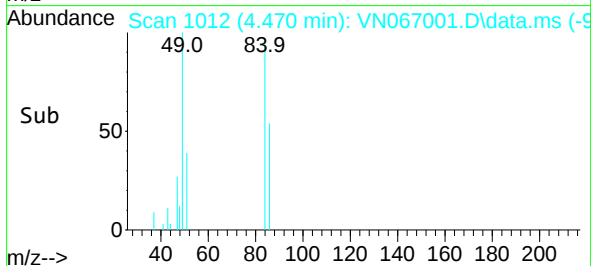
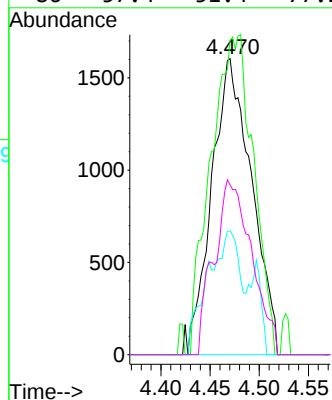


#20
Methylene Chloride
Concen: 0.71 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Instrument :
MSVOA_N
ClientSampled :

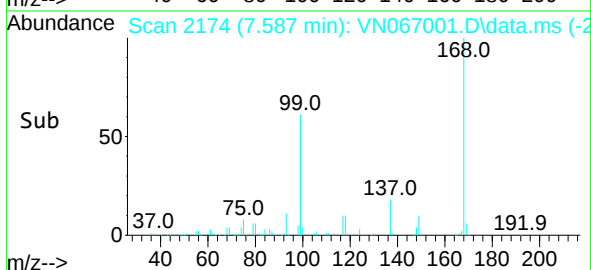
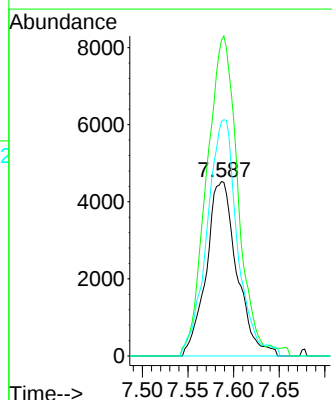
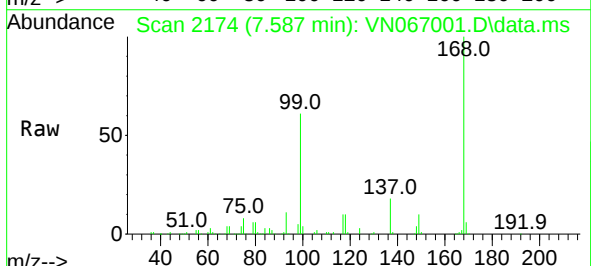


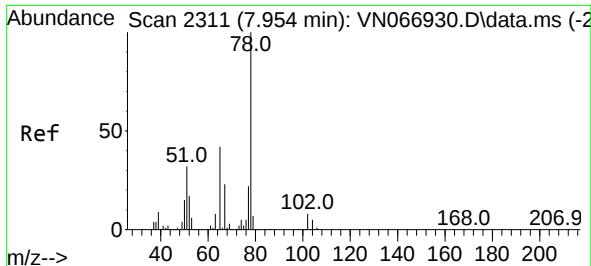
Tgt Ion:	84	Resp:	4545
Ion	Ratio	Lower	Upper
84	100		
49	106.2	94.6	141.8
51	41.8	29.9	44.9
86	57.4	51.4	77.2



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion:	56	Resp:	10561
Ion	Ratio	Lower	Upper
56	100		
69	181.0	26.6	39.8#
84	134.4	70.4	105.6#

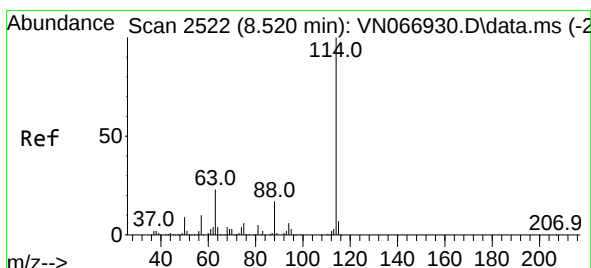
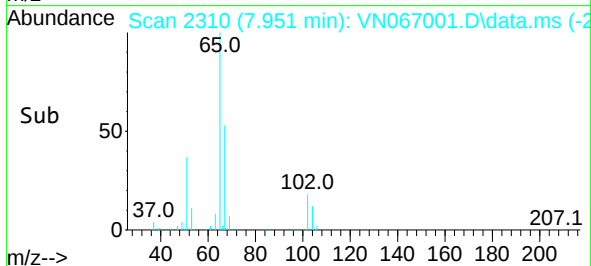
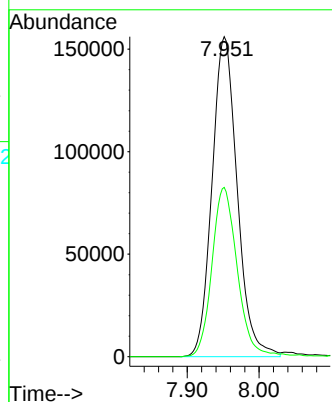
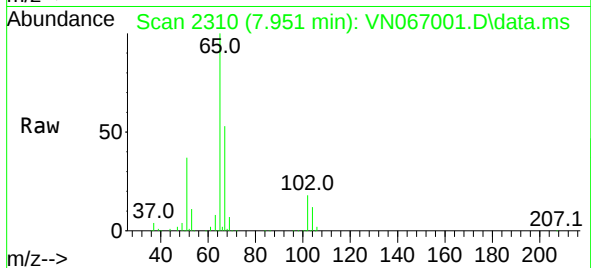




#33
 1,2-Dichloroethane-d4
 Concen: 53.24 ug/l
 RT: 7.951 min Scan# 2310
 Delta R.T. -0.003 min
 Lab File: VN067001.D
 Acq: 6 May 2021 11:37

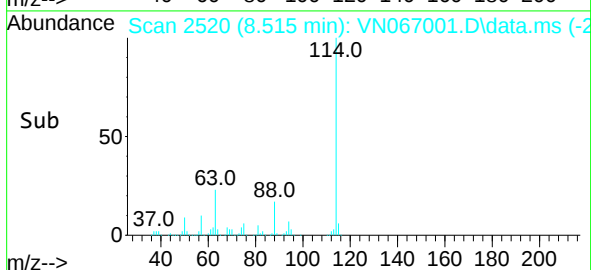
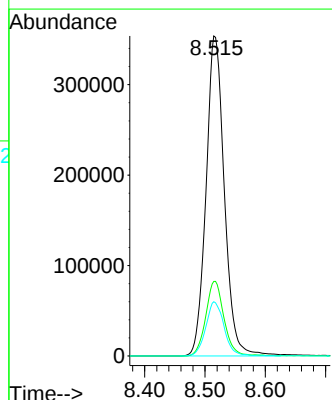
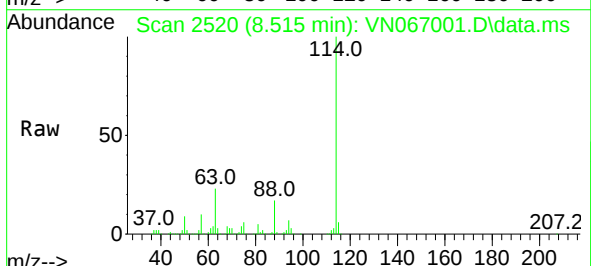
Instrument :
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 ClientSampleId :

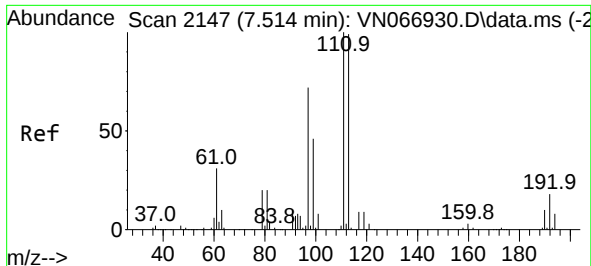
Tgt Ion: 65 Resp: 379897
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2520
 Delta R.T. -0.005 min
 Lab File: VN067001.D
 Acq: 6 May 2021 11:37

Tgt Ion: 114 Resp: 746254
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 38.6
 88 17.0 0.0 30.6

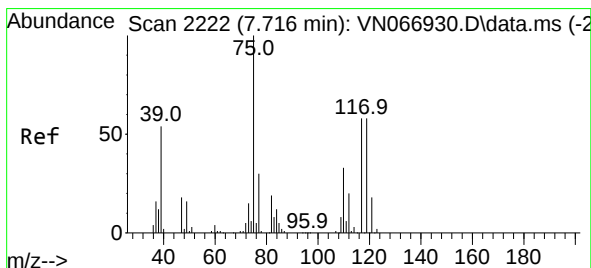
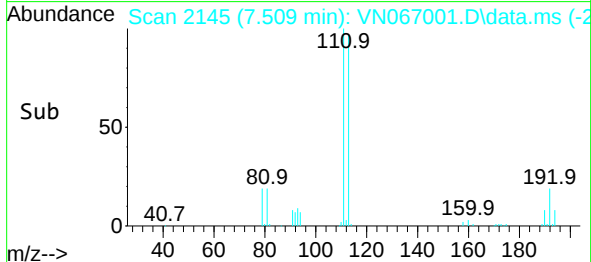
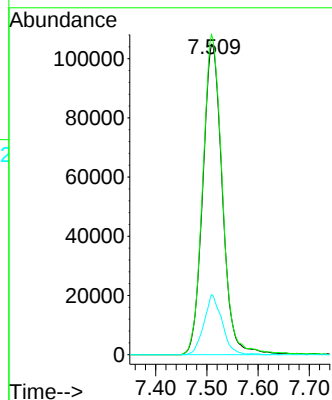
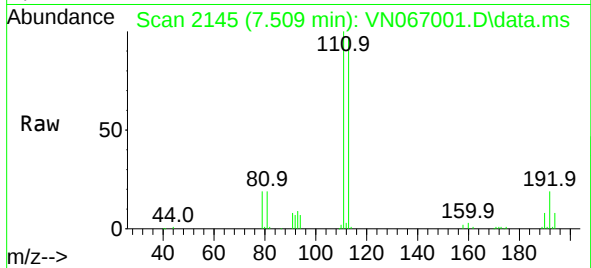




#35
Dibromofluoromethane
Concen: 54.93 ug/l
RT: 7.509 min Scan# 2145
Delta R.T. -0.005 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

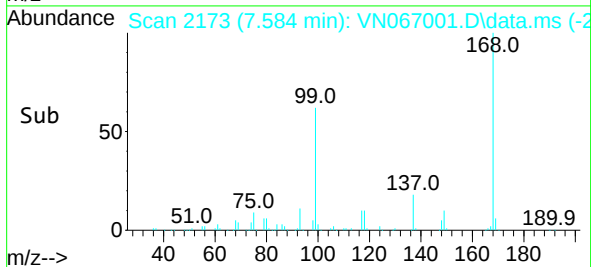
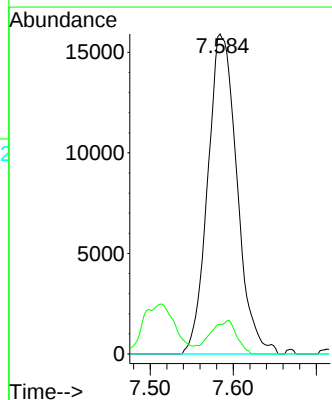
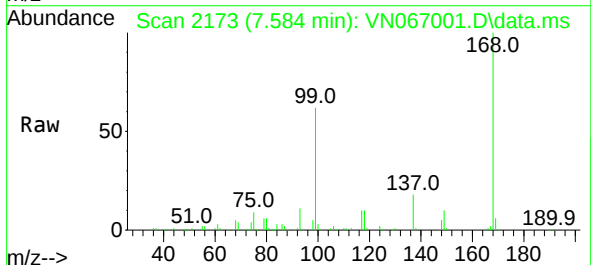
Instrument :
MSVOA_N
ClientSampleId :

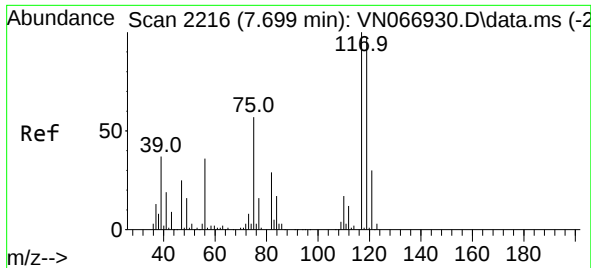
Tgt Ion:113 Resp: 278382
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.2
192 17.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

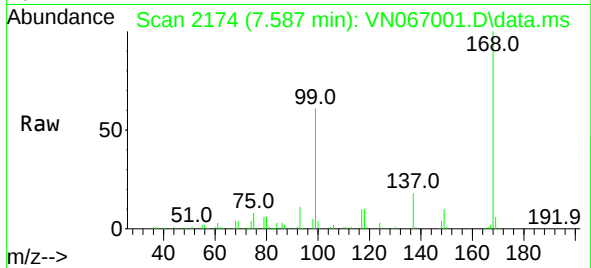
Tgt Ion: 75 Resp: 38938
Ion Ratio Lower Upper
75 100
110 9.2 18.2 54.6#
77 0.0 24.9 37.3#



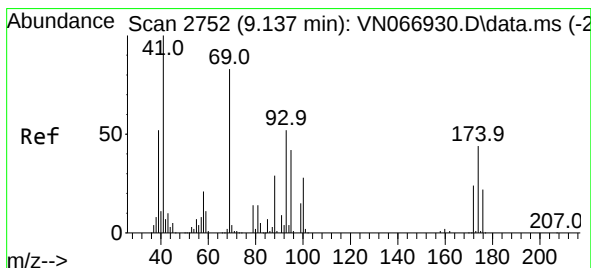
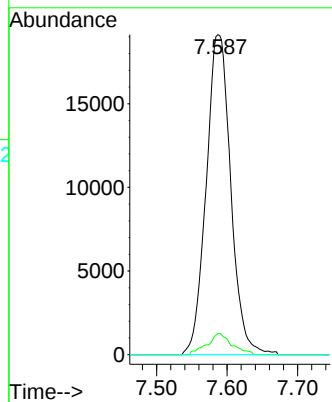
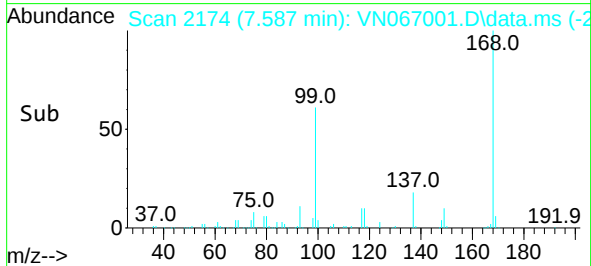


#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.112 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

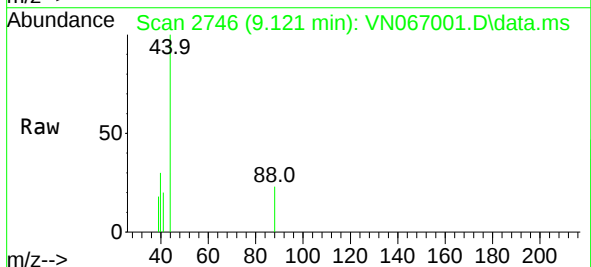
Instrument :
MSVOA_N
ClientSampleId :



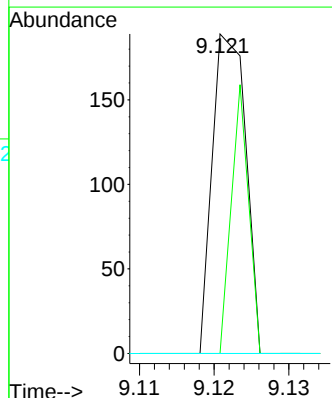
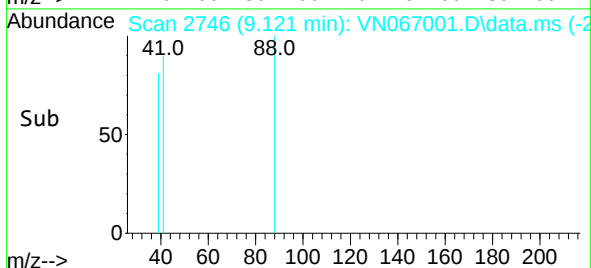
Tgt Ion: 117 Resp: 46300
Ion Ratio Lower Upper
117 100
119 6.6 76.0 114.0#
121 0.0 24.5 36.7#

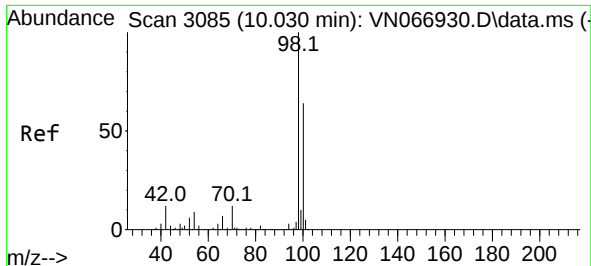


#49
1,4-Dioxane
Concen: 0.65 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37



Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 44.1 24.7 37.1#
58 0.0 52.6 78.8#

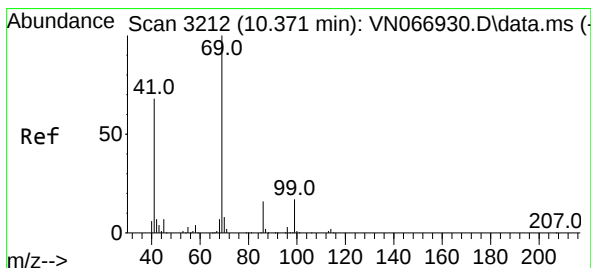
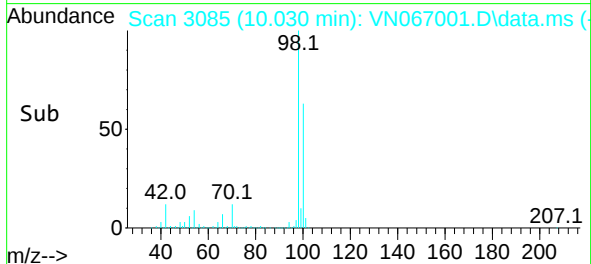
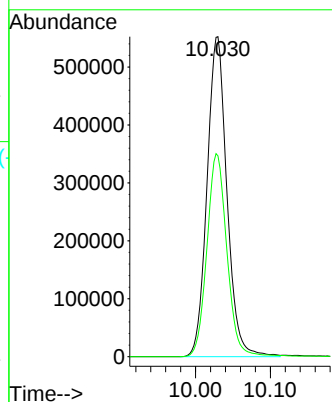
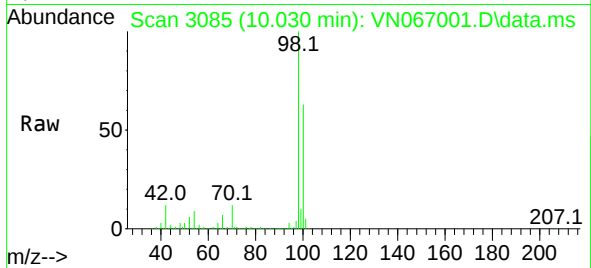




#50
Toluene-d8
Concen: 52.96 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

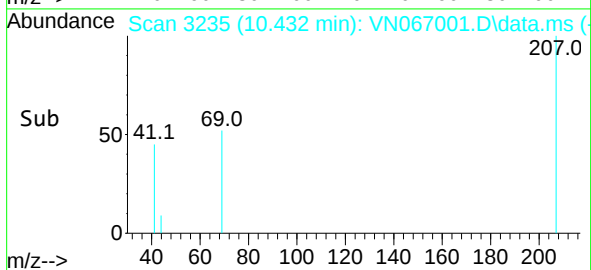
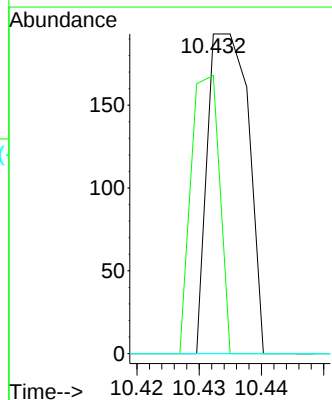
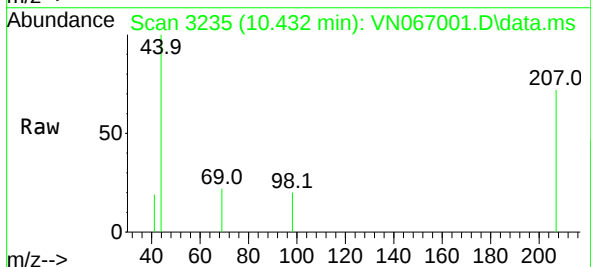
Instrument :
MSVOA_N
ClientSampleId :

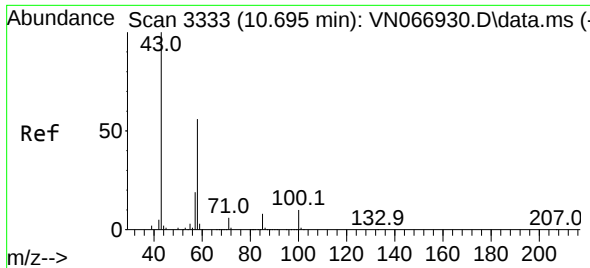
Tgt Ion: 98 Resp: 1022007
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.432 min Scan# 3235
Delta R.T. 0.061 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion: 69 Resp: 88
Ion Ratio Lower Upper
69 100
41 60.2 49.6 74.4
39 0.0 28.0 42.0#

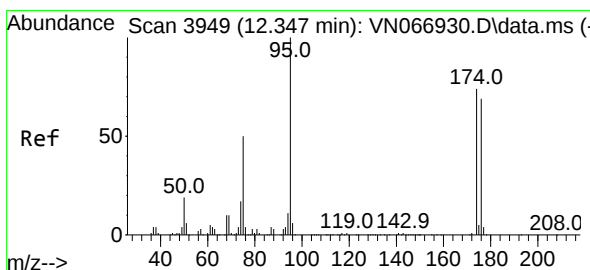
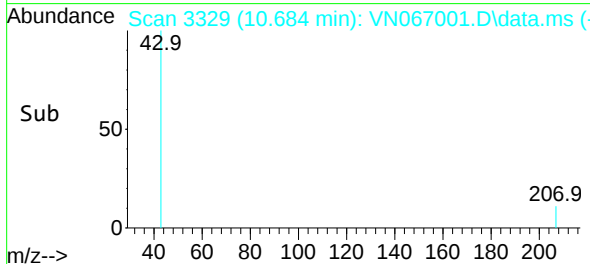
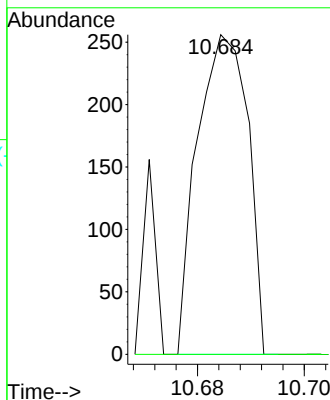
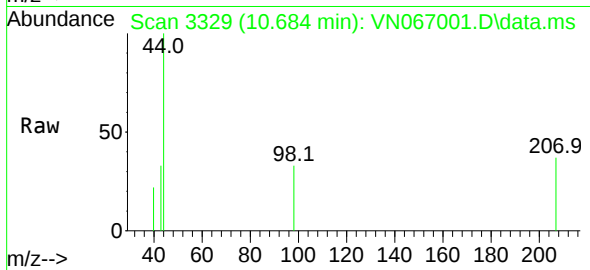




#59
2-Hexanone
Concen: 28.39 ug/l
RT: 10.684 min Scan# 3329
Delta R.T. -0.011 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

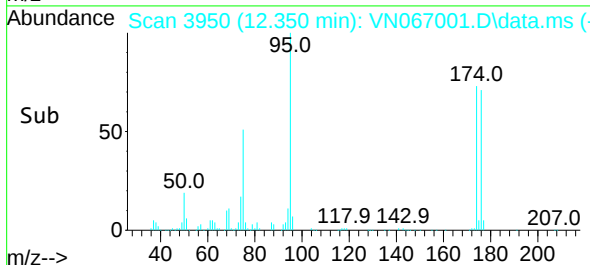
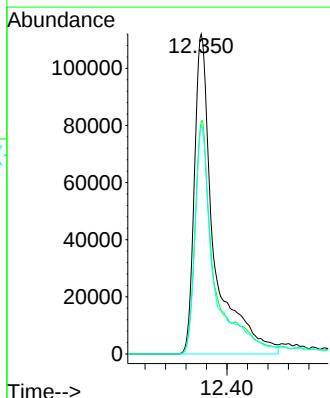
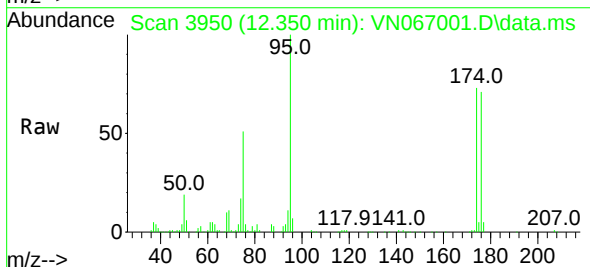
Instrument :
MSVOA_N
ClientSampled :

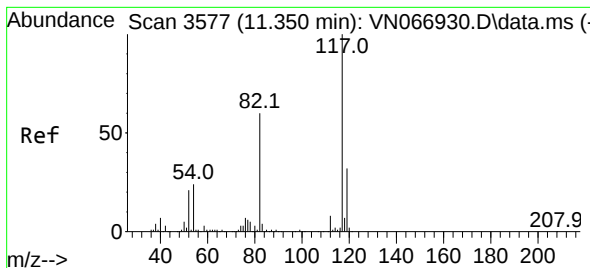
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.73 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion: 95 Resp: 298802
Ion Ratio Lower Upper
95 100
174 61.5 0.0 169.0
176 69.6 0.0 162.4

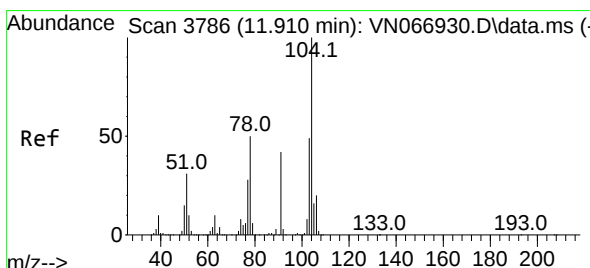
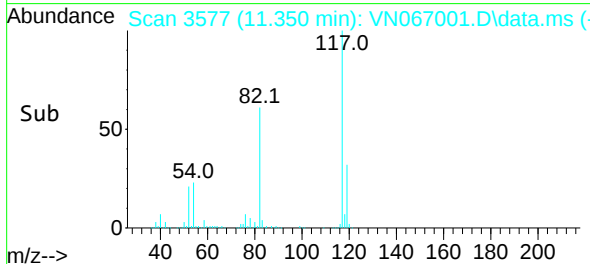
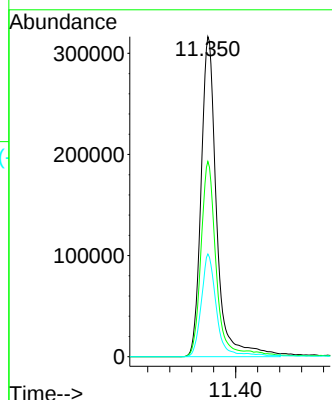
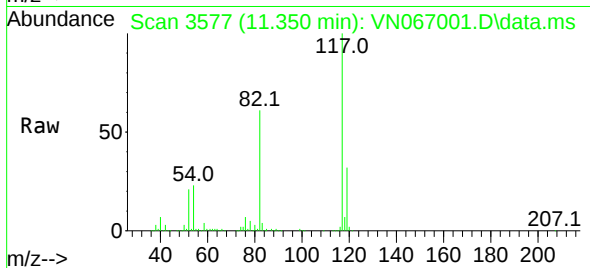




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

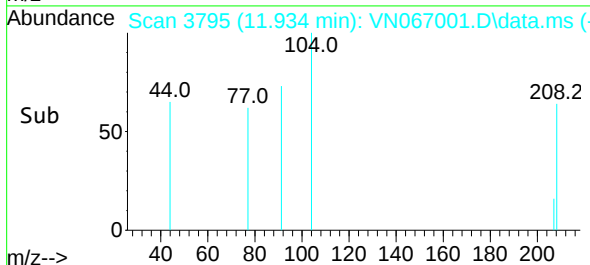
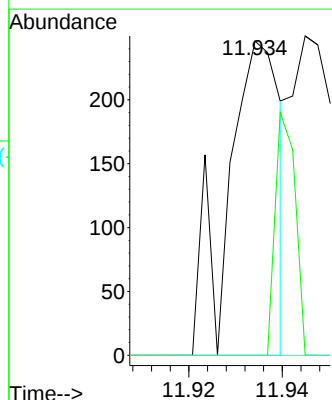
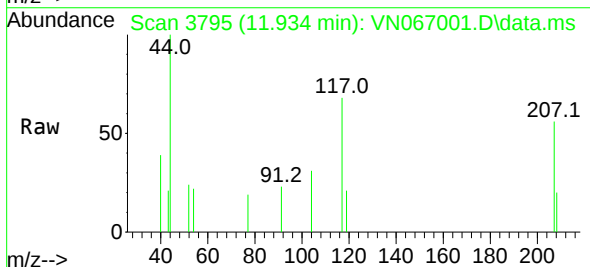
Instrument :
MSVOA_N
ClientSampled :

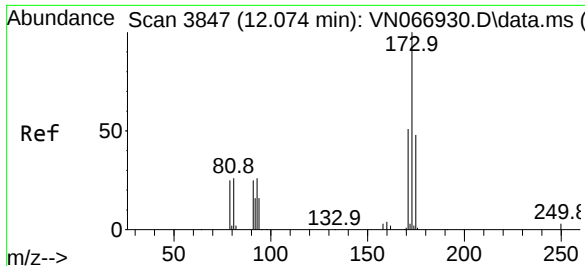
Tgt Ion:117 Resp: 620201
Ion Ratio Lower Upper
117 100
82 61.0 43.7 65.5
119 32.1 26.1 39.1



#70
Styrene
Concen: 4.72 ug/l
RT: 11.934 min Scan# 3795
Delta R.T. 0.024 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion:104 Resp: 192
Ion Ratio Lower Upper
104 100
78 29.7 39.0 58.4#
103 0.0 44.5 66.7#

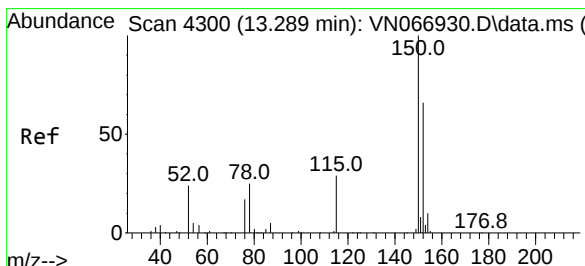
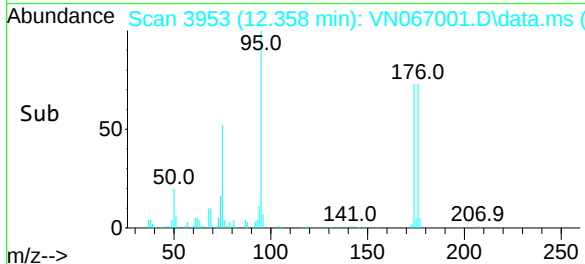
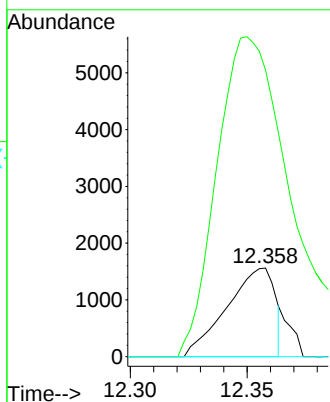
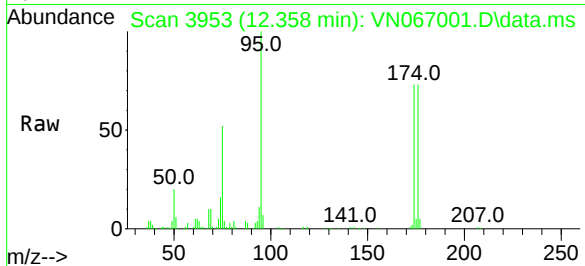




#71
Bromoform
Concen: 0.60 ug/l
RT: 12.358 min Scan# 3953
Delta R.T. 0.284 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

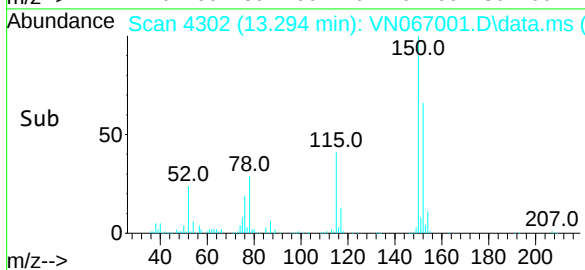
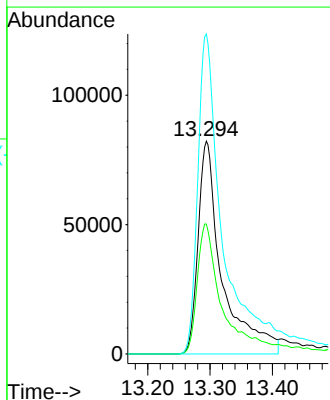
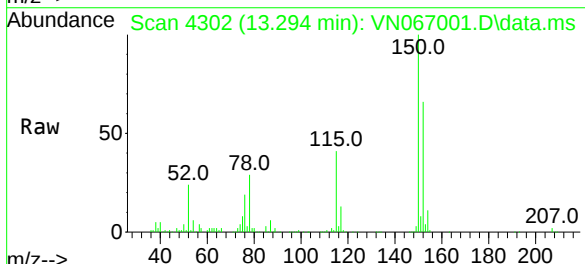
Instrument :
MSVOA_N
ClientSampled :

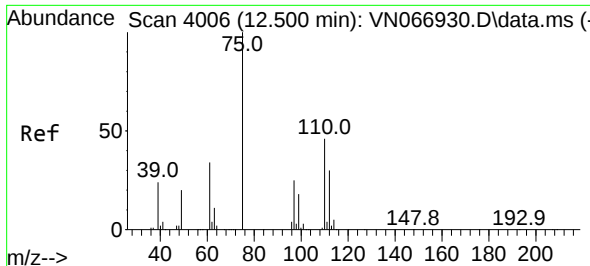
Tgt Ion:173 Resp: 2245
Ion Ratio Lower Upper
173 100
175 417.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion:152 Resp: 220187
Ion Ratio Lower Upper
152 100
115 58.6 28.5 85.6
150 150.4 0.0 347.6

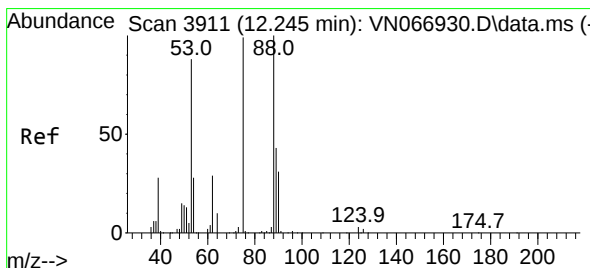
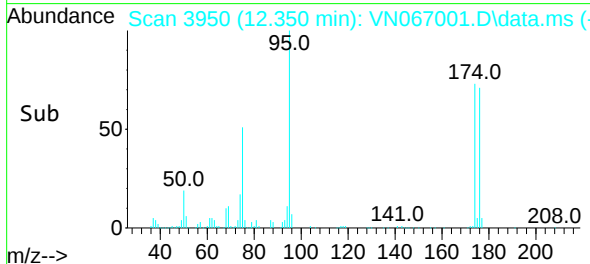
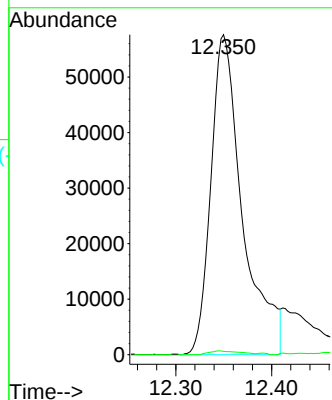
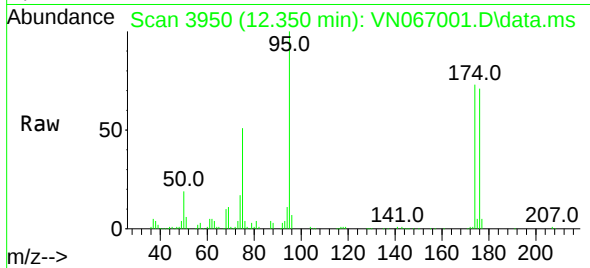




#76
1,2,3-Trichloropropane
Concen: 25.20 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

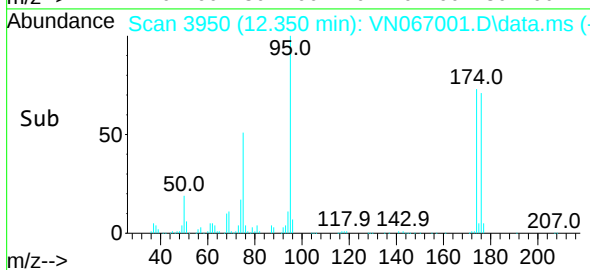
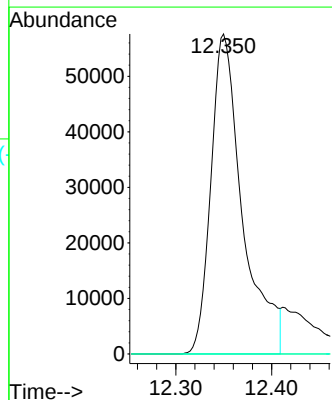
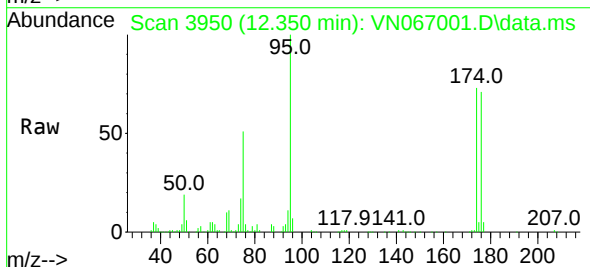
Instrument :
MSVOA_N
ClientSampled :

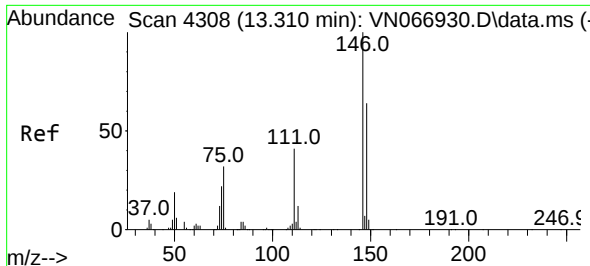
Tgt Ion: 75 Resp: 132173
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.78 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion: 75 Resp: 132173
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

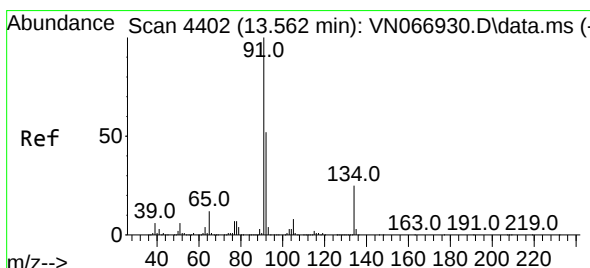
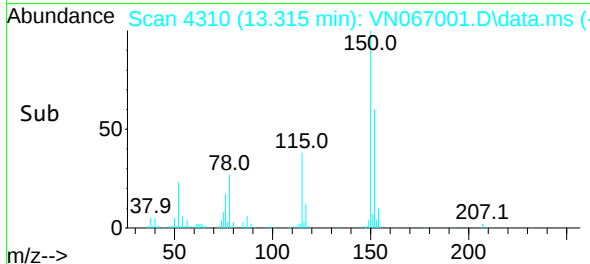
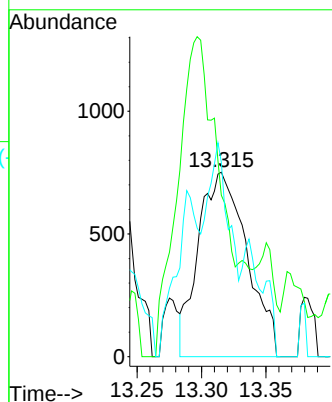
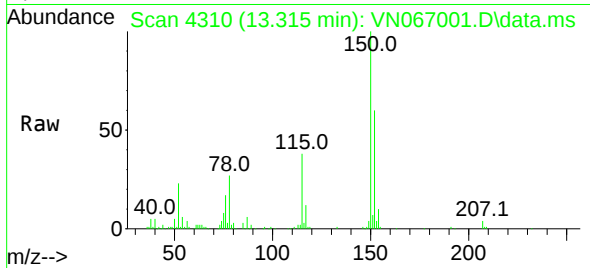




#88
1,4-Dichlorobenzene
Concen: 0.28 ug/l
RT: 13.315 min Scan# 4310
Delta R.T. 0.005 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

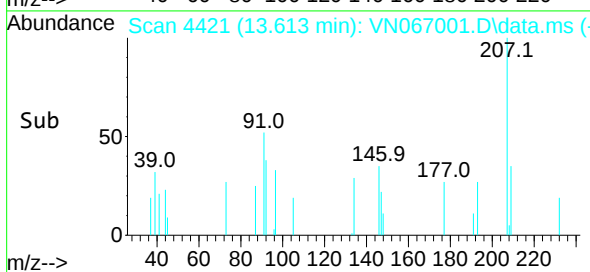
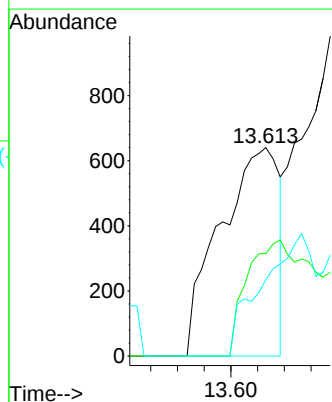
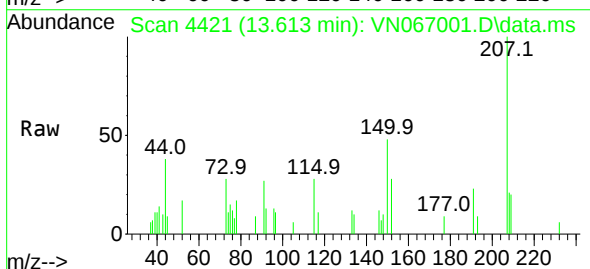
Instrument :
MSVOA_N
ClientSampleId :

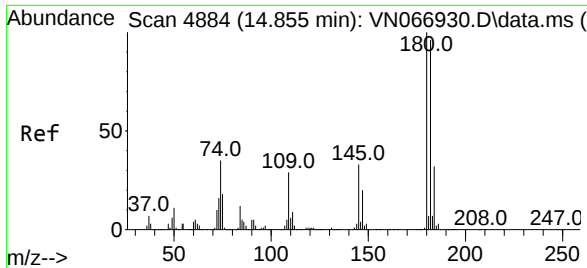
Tgt Ion:146 Resp: 1970
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 37.9 31.8 95.3



#89
n-Butylbenzene
Concen: 5.31 ug/l
RT: 13.613 min Scan# 4421
Delta R.T. 0.051 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

Tgt Ion: 91 Resp: 982
Ion Ratio Lower Upper
91 100
92 60.5 26.1 78.3
134 50.2 13.0 38.9#

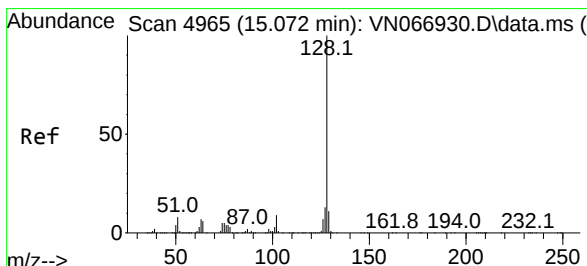
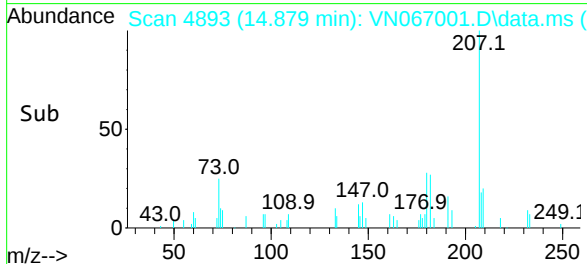
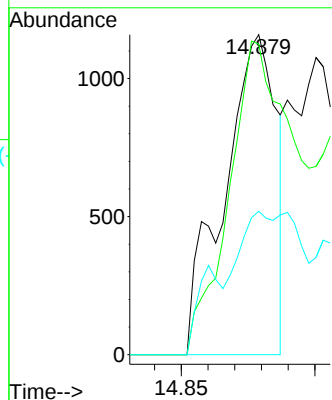
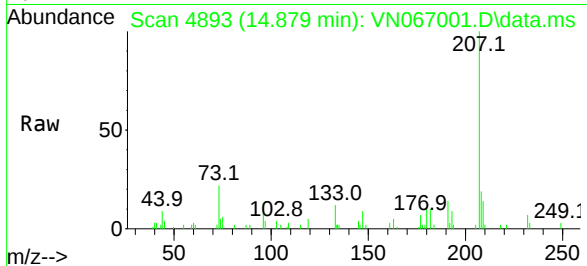




#93
1,2,4-Trichlorobenzene
Concen: 0.43 ug/l
RT: 14.879 min Scan# 4893
Delta R.T. 0.024 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

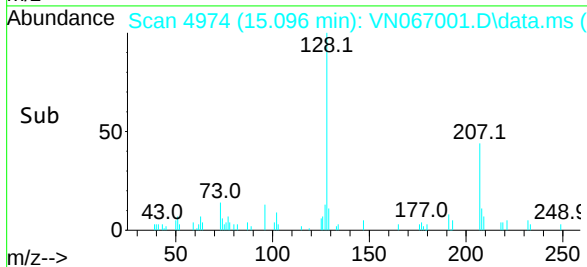
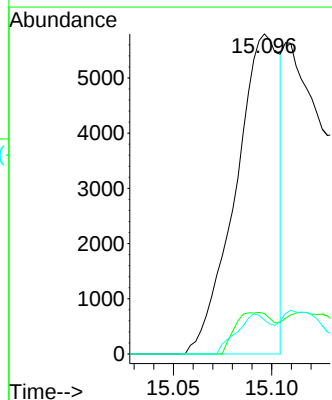
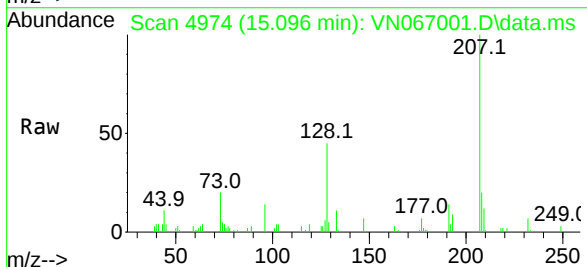
Instrument :
MSVOA_N
ClientSampled :

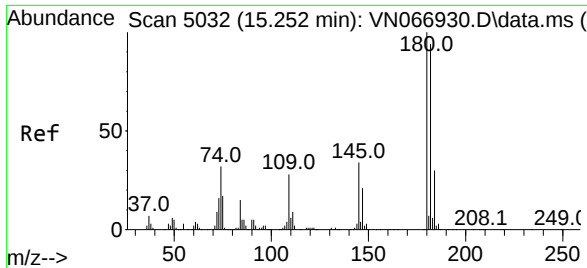
Tgt Ion:180 Resp: 1578
Ion Ratio Lower Upper
180 100
182 119.8 47.3 142.0
145 14.7 15.6 46.8#



#95
Naphthalene
Concen: 0.93 ug/l
RT: 15.096 min Scan# 4974
Delta R.T. 0.024 min
Lab File: VN067001.D
Acq: 6 May 2021 11:37

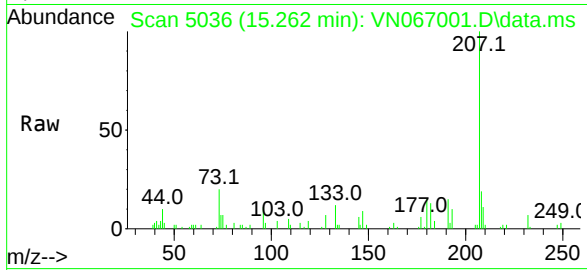
Tgt Ion:128 Resp: 8990
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.2
129 9.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.66 ug/l
 RT: 15.262 min Scan# 5036
 Delta R.T. 0.010 min
 Lab File: VN067001.D
 Acq: 6 May 2021 11:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2382

Ion	Ratio	Lower	Upper
180	100		
182	172.8	47.4	142.3#
145	70.4	16.5	49.5#

