

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067180.D
 Acq On : 28 May 2021 13:58
 Operator : JC/MD
 Sample : VN0528WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBL01

Quant Time: May 29 02:19:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

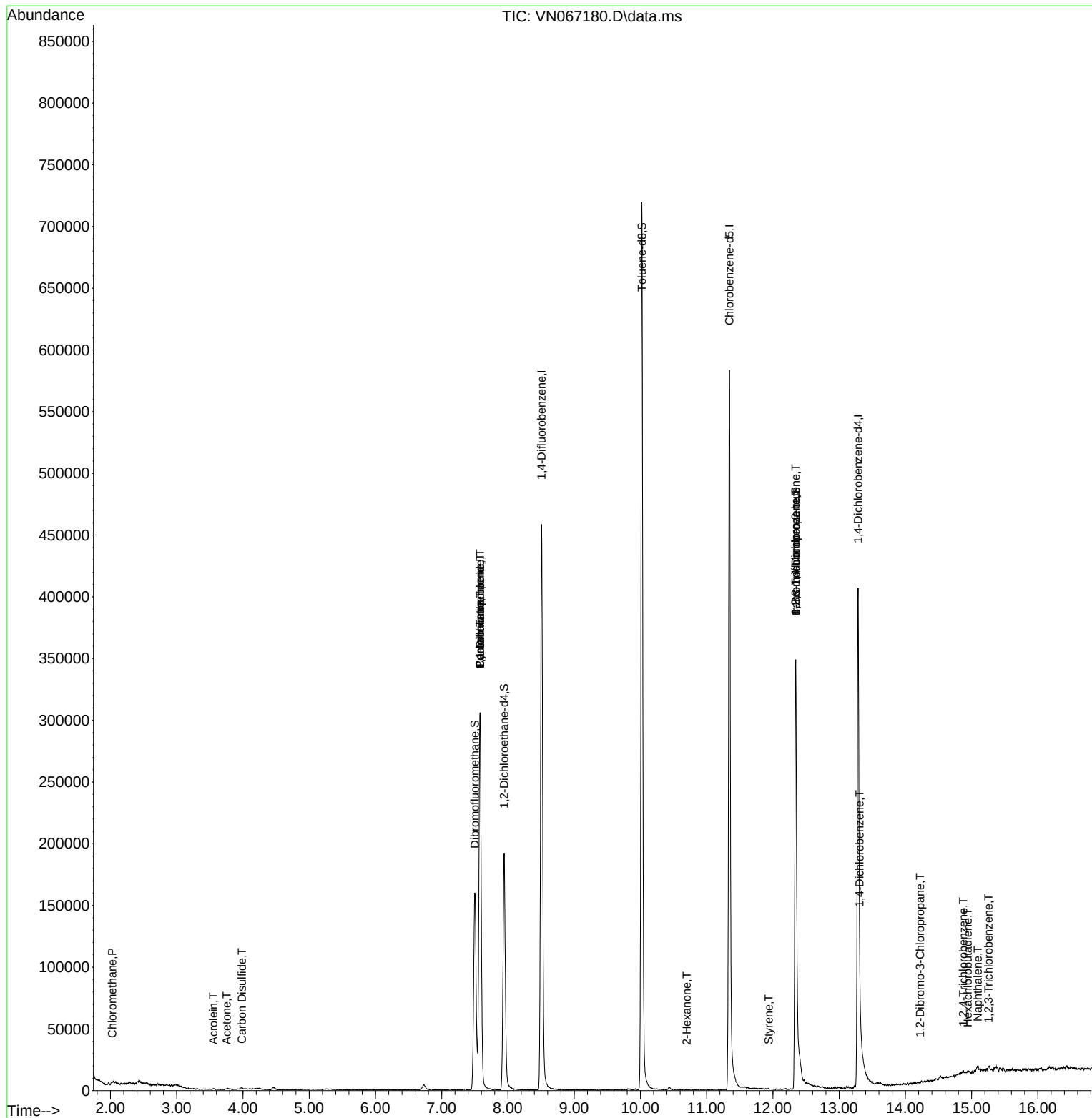
Internal Standards						
1) Pentafluorobenzene	7.578	168	241164	50.00	ug/l	#-0.02
34) 1,4-Difluorobenzene	8.509	114	432731	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.344	117	362173	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.286	152	142817	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.943	65	170408	45.53	ug/l	-0.02
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.06%		
35) Dibromofluoromethane	7.500	113	133180	50.15	ug/l	-0.02
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.30%		
50) Toluene-d8	10.022	98	516953	50.58	ug/l	-0.01
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.16%		
62) 4-Bromofluorobenzene	12.344	95	171404	49.06	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.12%		
Target Compounds						Qvalue
3) Chloromethane	2.027	50	1099	0.25	ug/l	92
13) Acrolein	3.553	56	452	0.69	ug/l #	48
16) Acetone	3.756	43	1091	0.71	ug/l #	41
17) Carbon Disulfide	3.984	76	1994	0.22	ug/l #	74
31) Cyclohexane	7.578	56	5939	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.578	75	21417	4.89	ug/l #	42
38) Carbon Tetrachloride	7.578	117	26397	6.19	ug/l #	16
59) 2-Hexanone	10.697	43	58	18.88	ug/l #	21
70) Styrene	11.936	104	172	2.52	ug/l #	26
76) 1,2,3-Trichloropropane	12.344	75	80260	20.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.344	75	80260	58.21	ug/l #	15
88) 1,4-Dichlorobenzene	13.310	146	1050	0.21	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.222	75	171	0.22	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.873	180	1228	3.73	ug/l #	77
94) Hexachlorobutadiene	14.943	225	286	0.23	ug/l	85
95) Naphthalene	15.093	128	6020	4.63	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.254	180	1068	0.52	ug/l	61

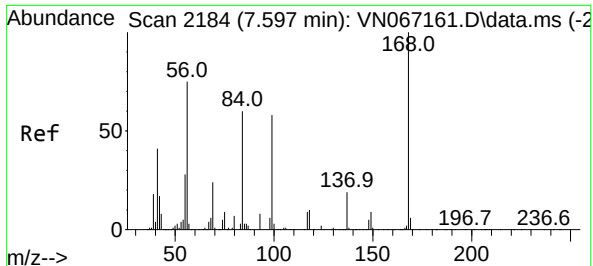
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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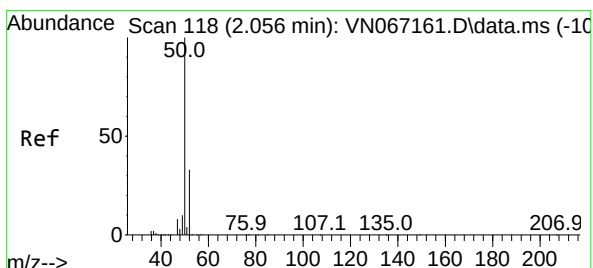
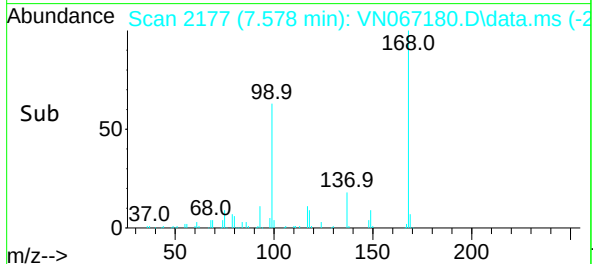
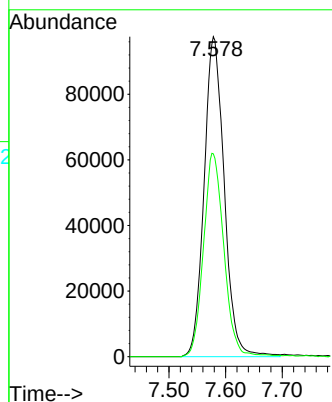
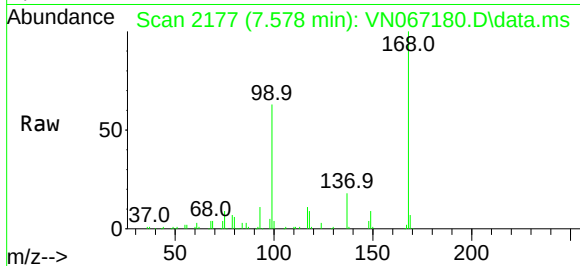




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.578 min Scan# 2177
Delta R.T. -0.019 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

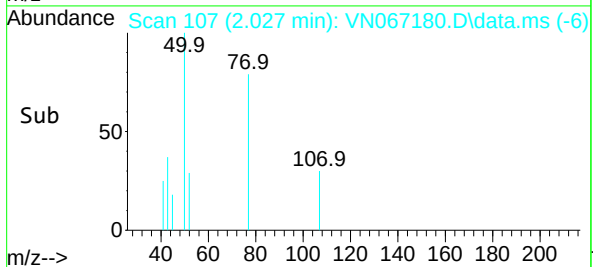
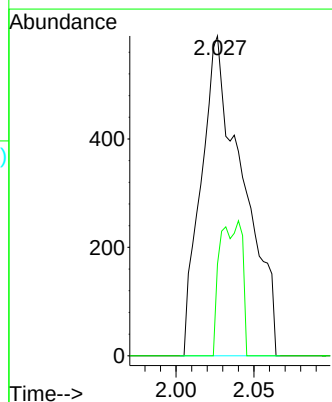
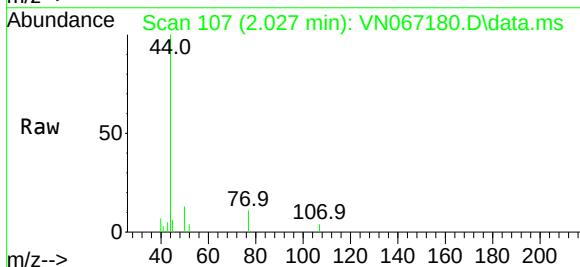
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBL01

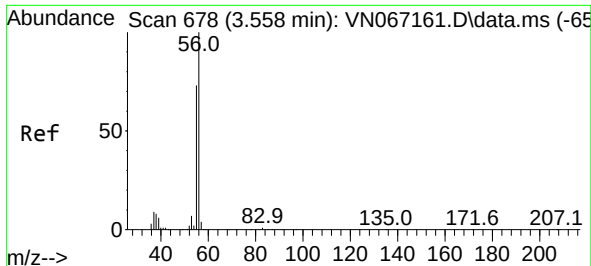
Tgt Ion:168 Resp: 241164
Ion Ratio Lower Upper
168 100
99 63.4 38.5 57.7#



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.027 min Scan# 107
Delta R.T. -0.029 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 50 Resp: 1099
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7

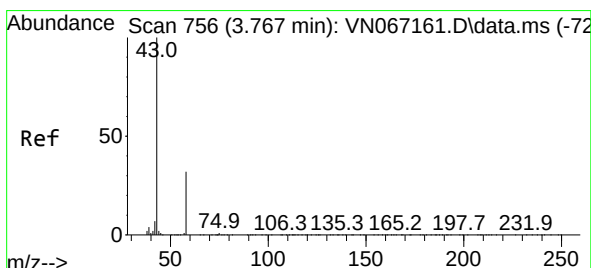
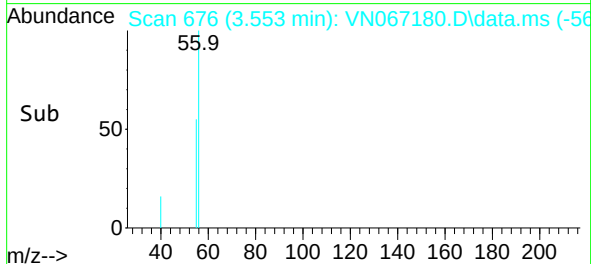
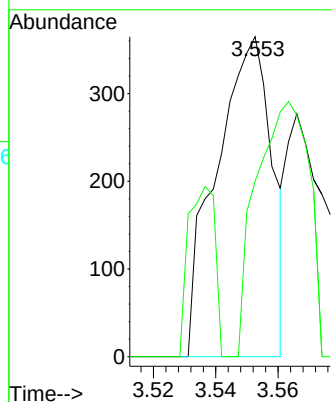
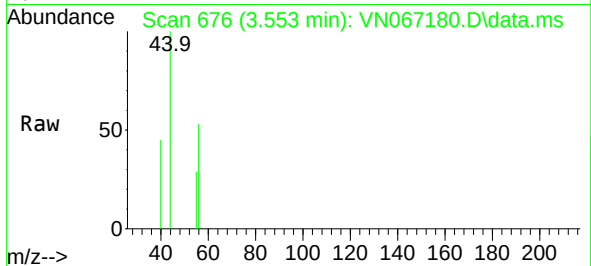




#13
Acrolein
Concen: 0.69 ug/l
RT: 3.553 min Scan# 676
Delta R.T. -0.005 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

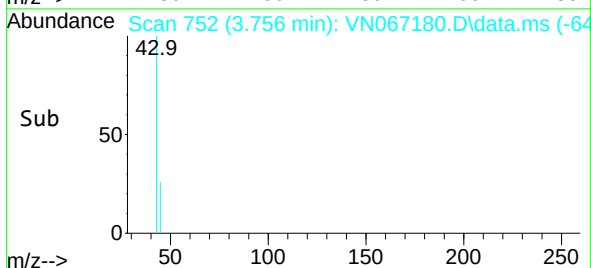
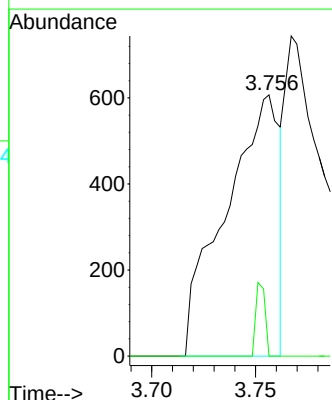
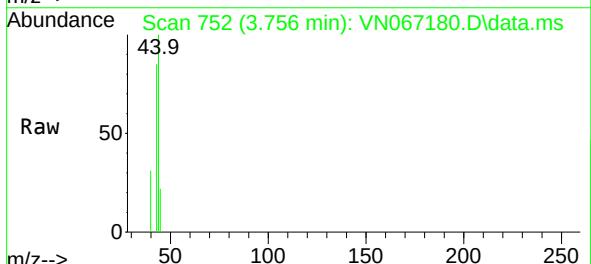
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBL01

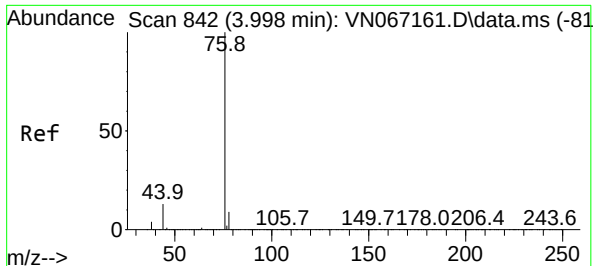
Tgt Ion: 56 Resp: 452
Ion Ratio Lower Upper
56 100
55 25.4 53.8 80.6#



#16
Acetone
Concen: 0.71 ug/l
RT: 3.756 min Scan# 752
Delta R.T. -0.011 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#

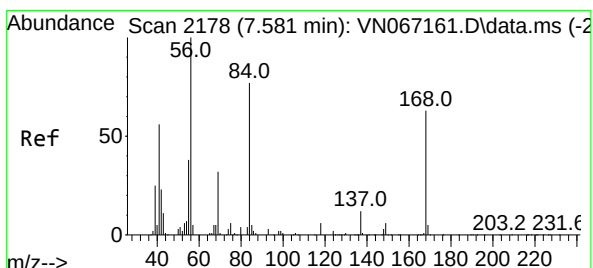
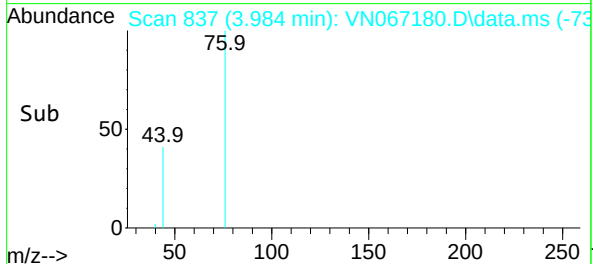
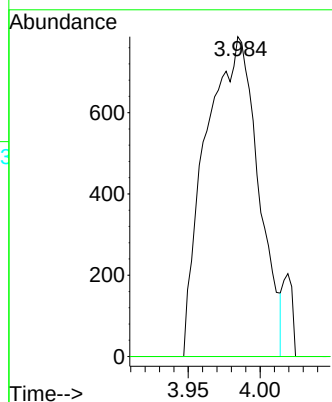
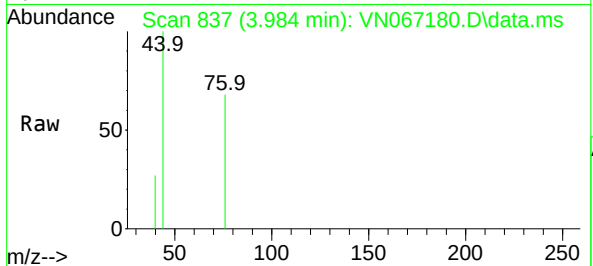




#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 3.984 min Scan# 837
Delta R.T. -0.014 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

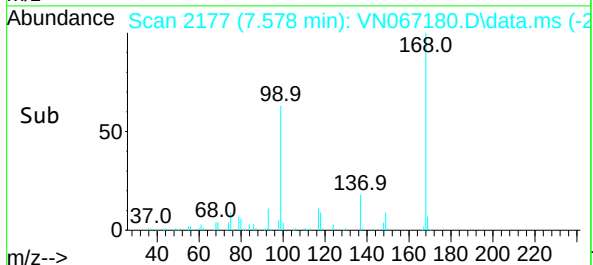
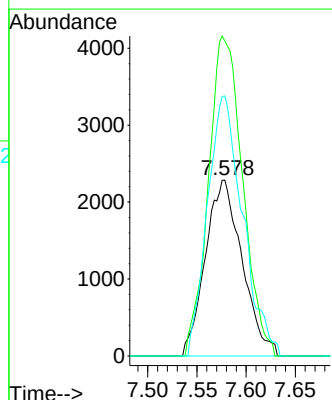
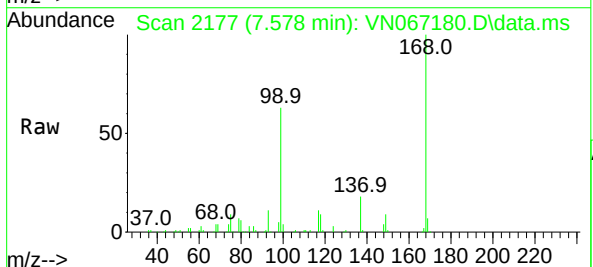
Instrument :
MSVOA_N
ClientSampleId :
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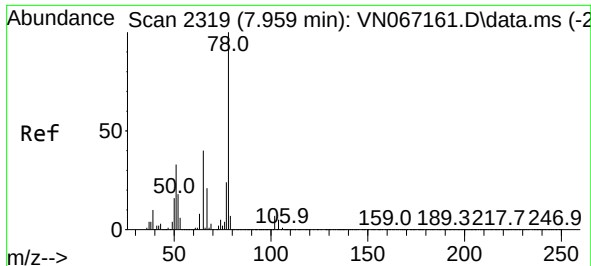
Tgt Ion: 76 Resp: 1994
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.578 min Scan# 2177
Delta R.T. -0.003 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 56 Resp: 5939
Ion Ratio Lower Upper
56 100
69 179.1 28.0 42.0#
84 147.9 74.2 111.2#

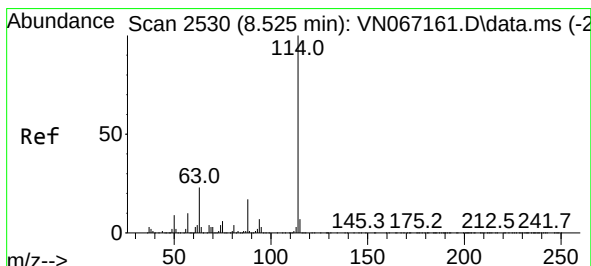
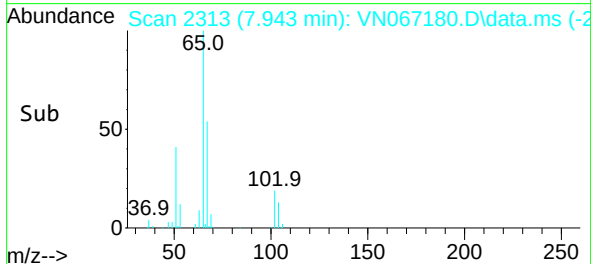
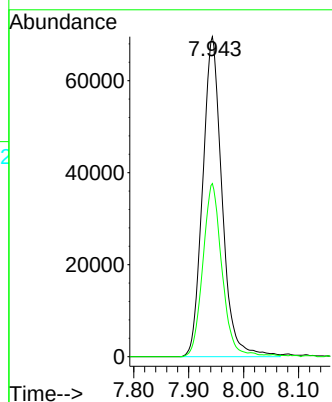
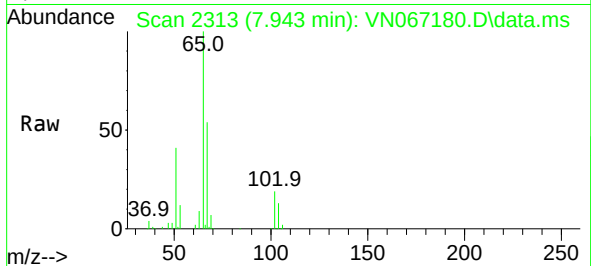




#33
1,2-Dichloroethane-d4
Concen: 45.53 ug/l
RT: 7.943 min Scan# 2313
Delta R.T. -0.016 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

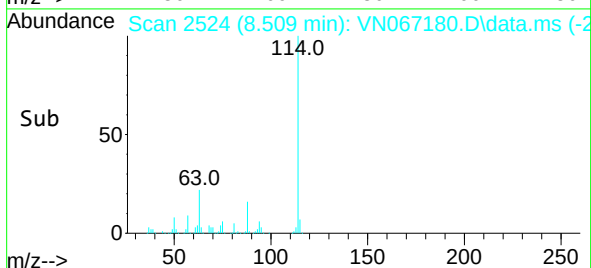
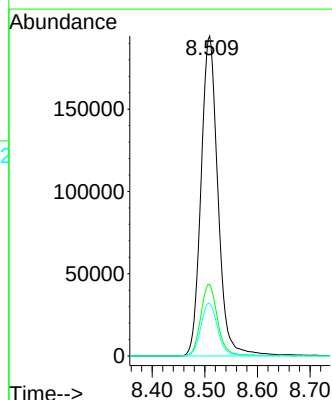
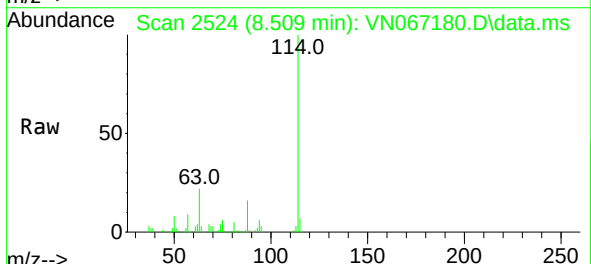
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBL01

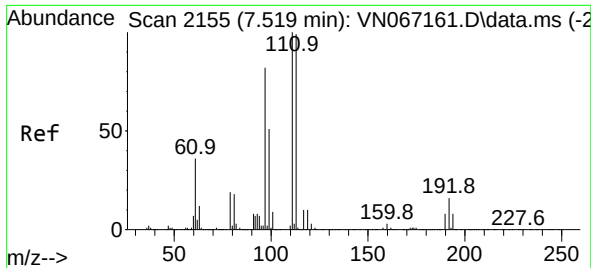
Tgt Ion: 65 Resp: 170408
Ion Ratio Lower Upper
65 100
67 52.6 0.0 110.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.509 min Scan# 2524
Delta R.T. -0.016 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 114 Resp: 432731
Ion Ratio Lower Upper
114 100
63 22.4 0.0 35.8
88 16.4 0.0 30.4

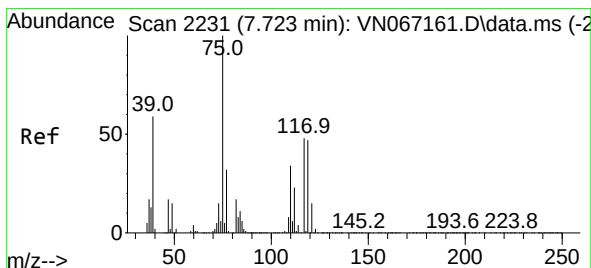
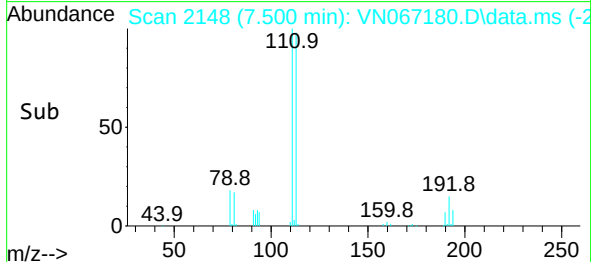
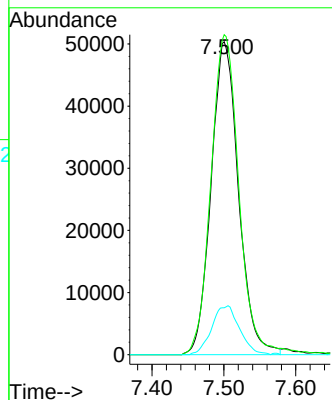
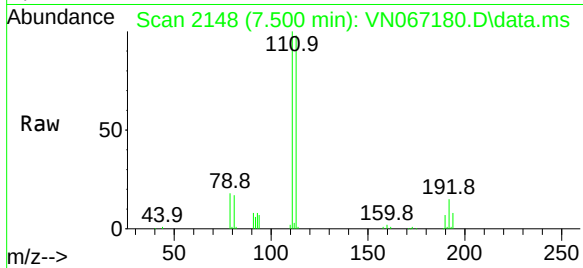




#35
Dibromofluoromethane
Concen: 50.15 ug/l
RT: 7.500 min Scan# 2148
Delta R.T. -0.019 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

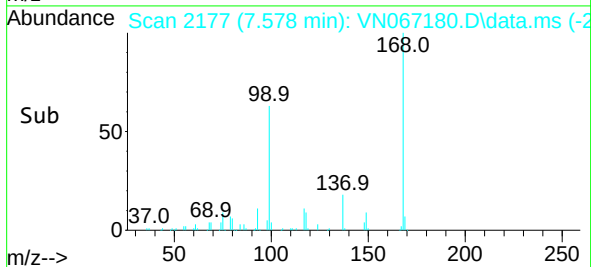
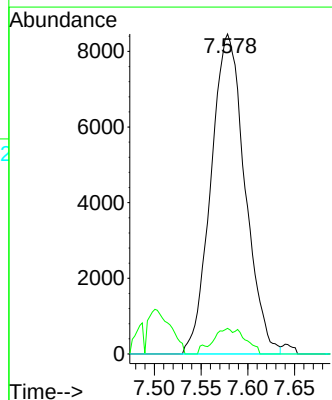
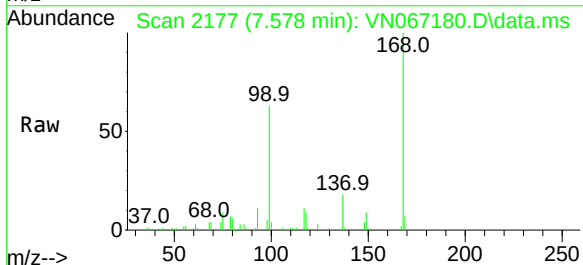
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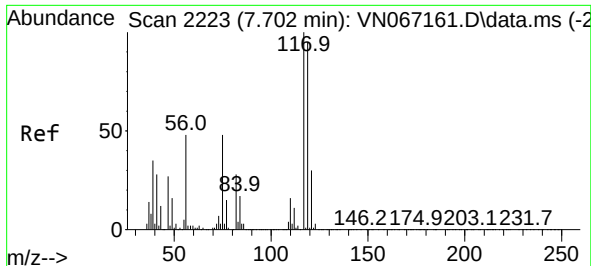
Tgt Ion:113 Resp: 133180
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 15.9 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 7.578 min Scan# 2177
Delta R.T. -0.145 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 75 Resp: 21417
Ion Ratio Lower Upper
75 100
110 2.5 19.1 57.3#
77 0.0 24.8 37.2#

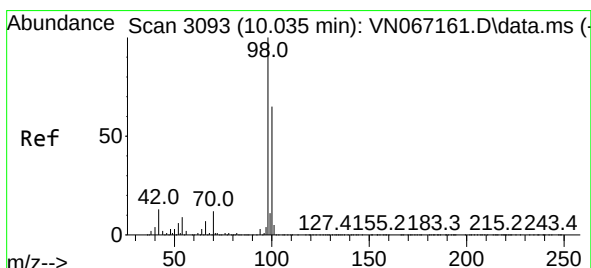
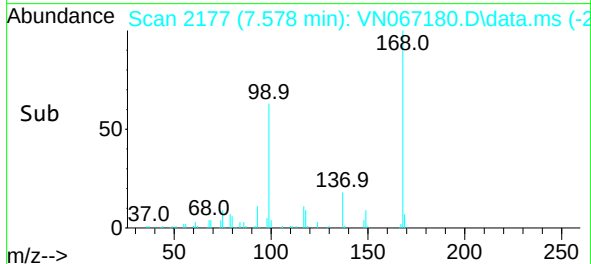
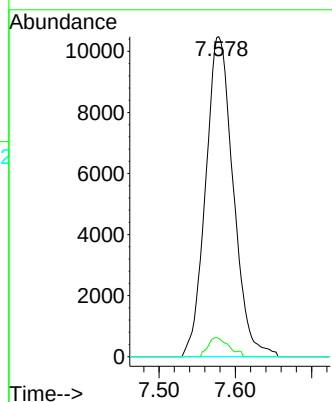
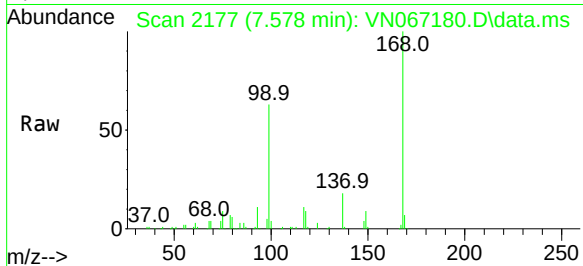




#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.578 min Scan# 2177
Delta R.T. -0.124 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

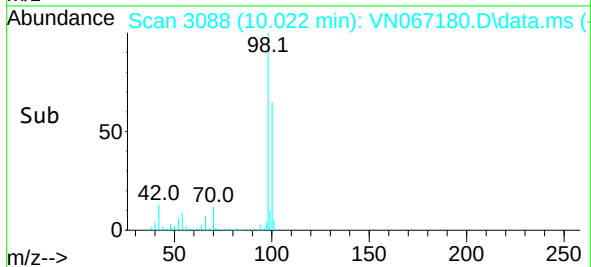
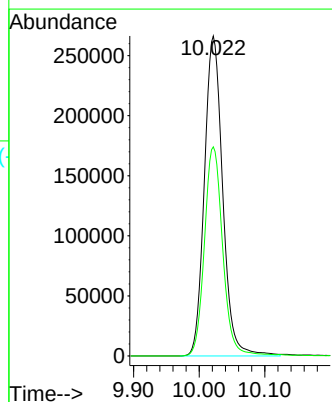
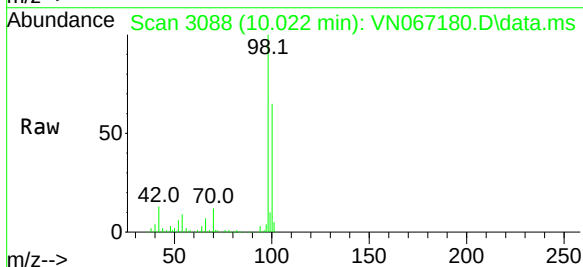
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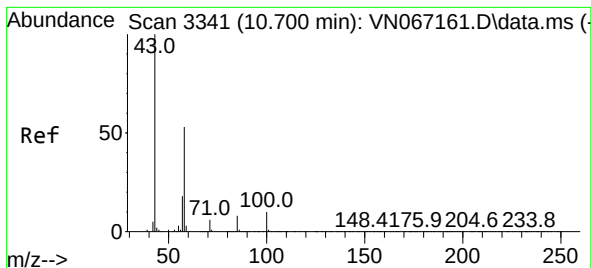
Tgt Ion:117 Resp: 26397
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.58 ug/l
RT: 10.022 min Scan# 3088
Delta R.T. -0.013 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 98 Resp: 516953
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8

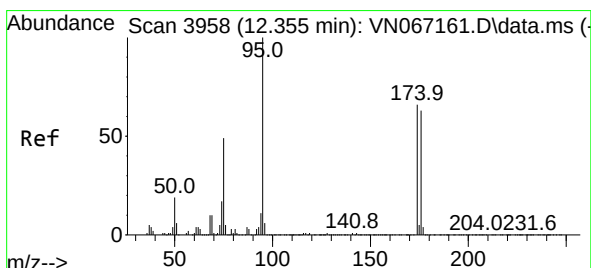
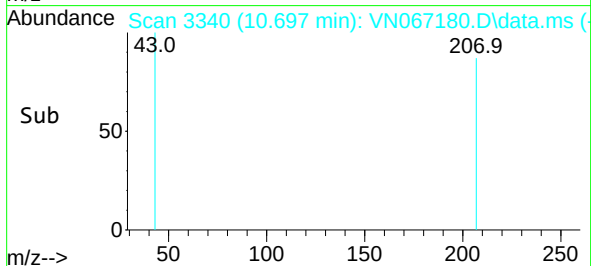
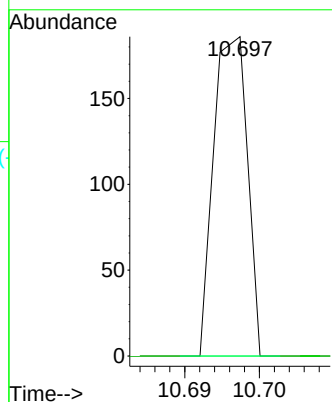
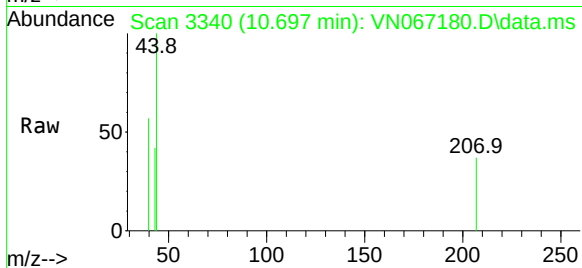




#59
2-Hexanone
Concen: 18.88 ug/l
RT: 10.697 min Scan# 3340
Delta R.T. -0.003 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

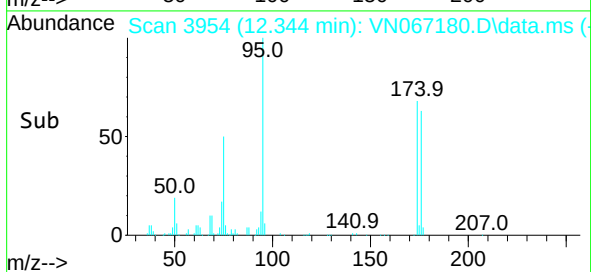
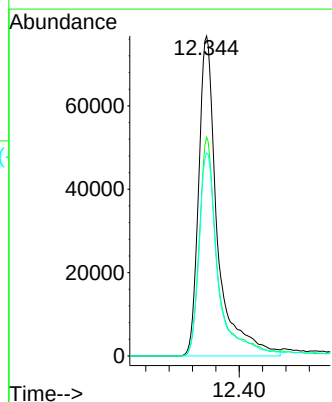
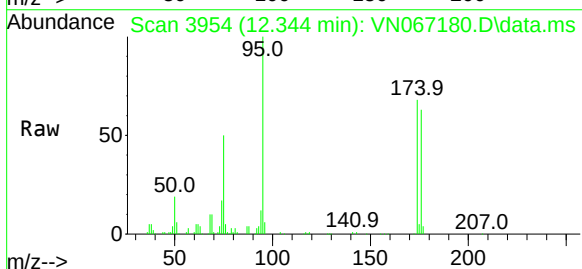
Instrument :
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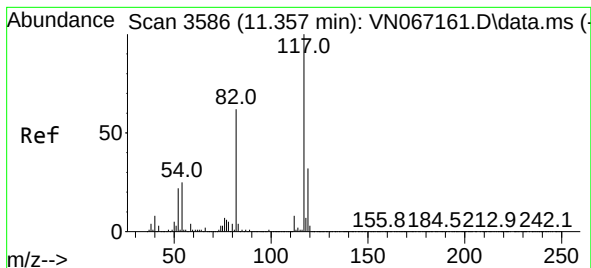
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 49.06 ug/l
RT: 12.344 min Scan# 3954
Delta R.T. -0.011 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 95 Resp: 171404
Ion Ratio Lower Upper
95 100
174 66.5 0.0 182.8
176 64.7 0.0 176.6

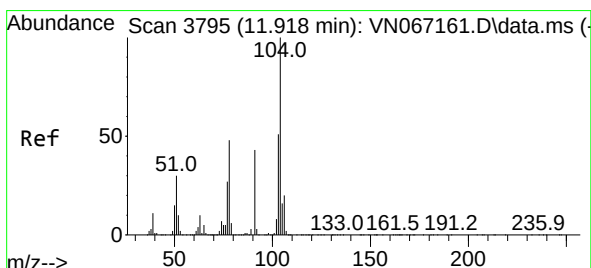
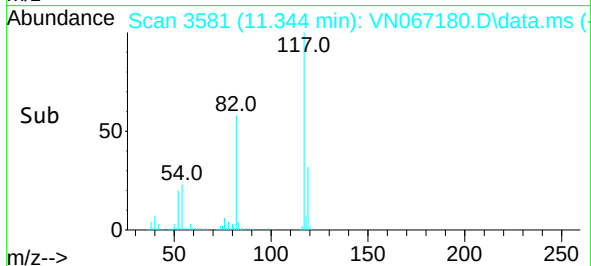
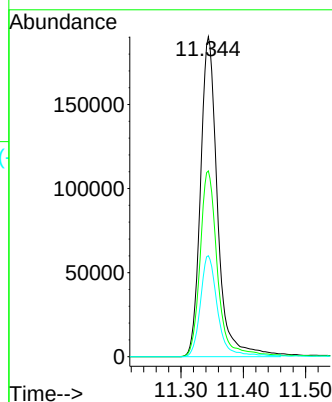
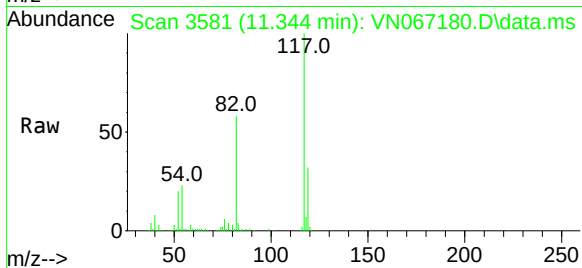




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.344 min Scan# 3581
Delta R.T. -0.013 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

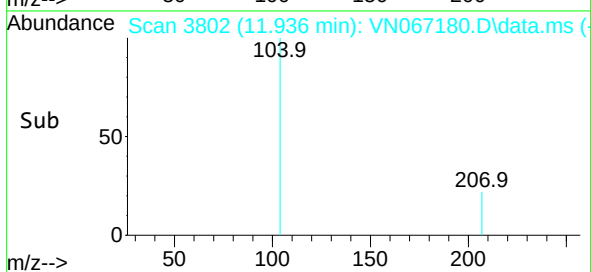
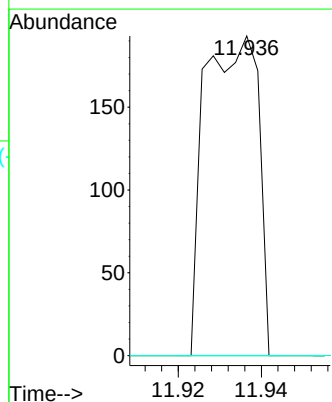
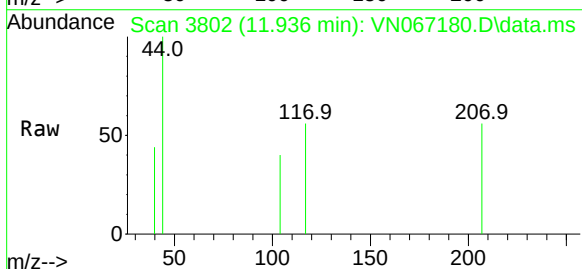
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBL01

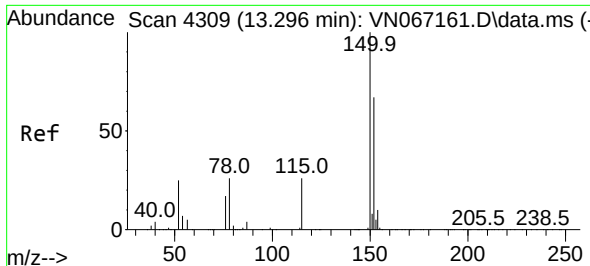
Tgt Ion:	117	Resp:	362173
Ion	Ratio	Lower	Upper
117	100		
82	58.0	42.2	63.2
119	31.5	25.8	38.6



#70
Styrene
Concen: 2.52 ug/l
RT: 11.936 min Scan# 3802
Delta R.T. 0.018 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion:	104	Resp:	172
Ion	Ratio	Lower	Upper
104	100		
78	0.0	37.7	56.5#
103	0.0	44.2	66.4#

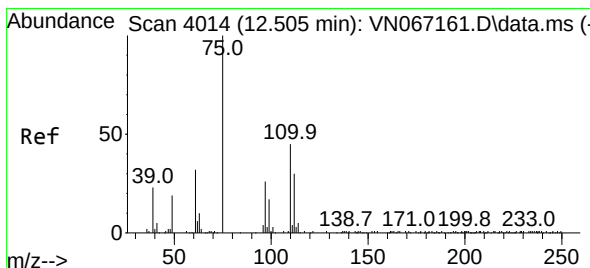
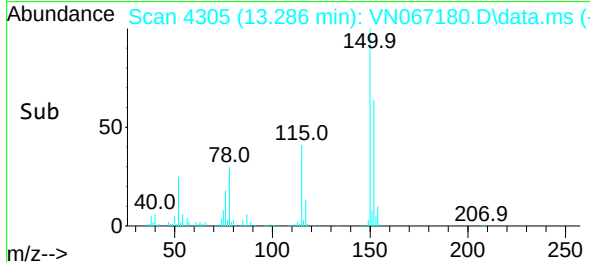
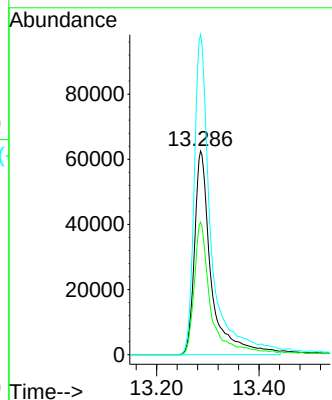
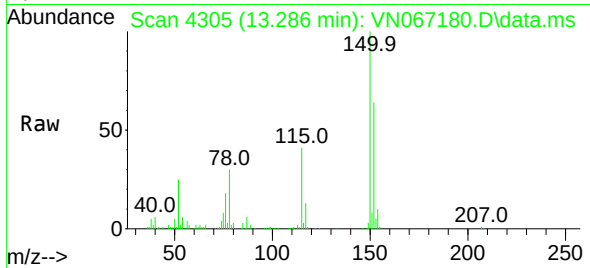




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.286 min Scan# 4305
 Delta R.T. -0.010 min
 Lab File: VN067180.D
 Acq: 28 May 2021 13:58

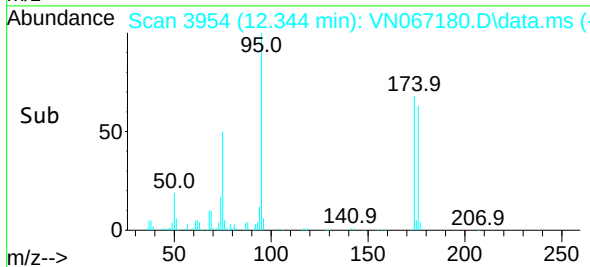
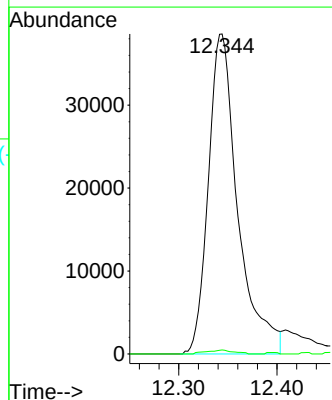
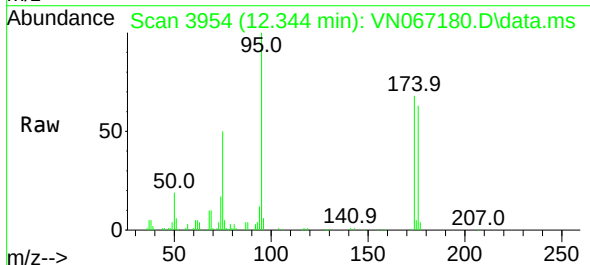
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBL01

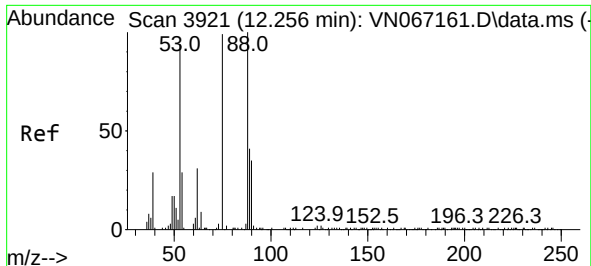
Tgt Ion:152 Resp: 142817
 Ion Ratio Lower Upper
 152 100
 115 63.1 27.0 80.8
 150 152.2 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 20.19 ug/l
 RT: 12.344 min Scan# 3954
 Delta R.T. -0.161 min
 Lab File: VN067180.D
 Acq: 28 May 2021 13:58

Tgt Ion: 75 Resp: 80260
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

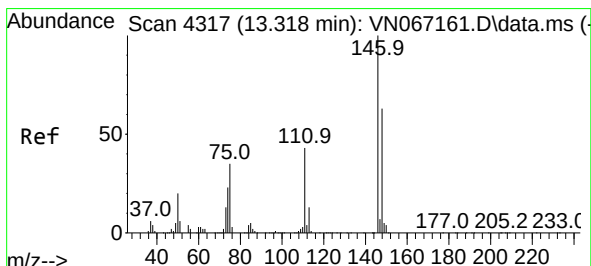
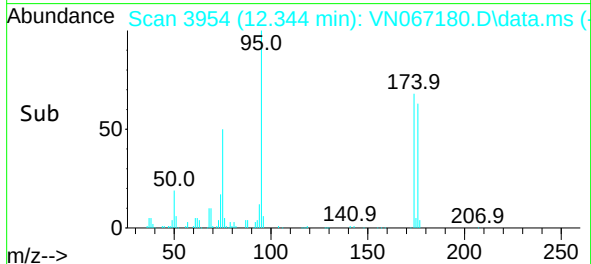
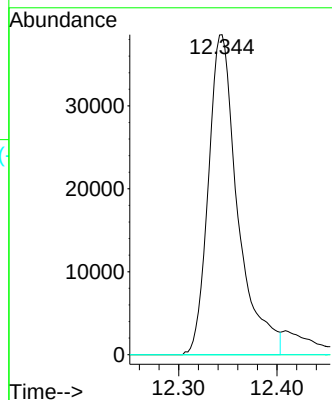
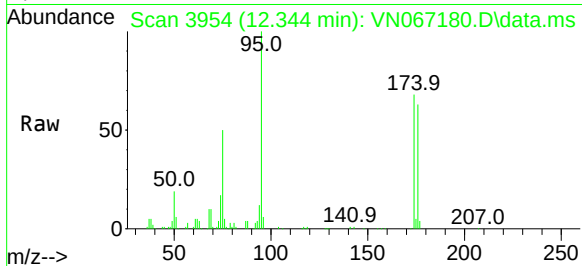




#81
trans-1,4-Dichloro-2-butene
Concen: 58.21 ug/l
RT: 12.344 min Scan# 3954
Delta R.T. 0.088 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

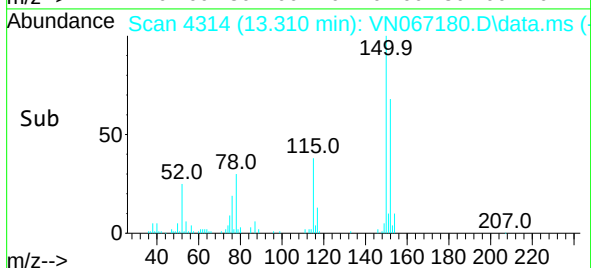
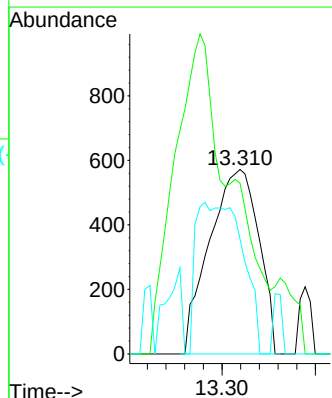
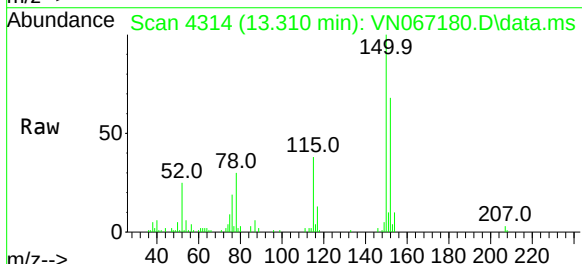
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBL01

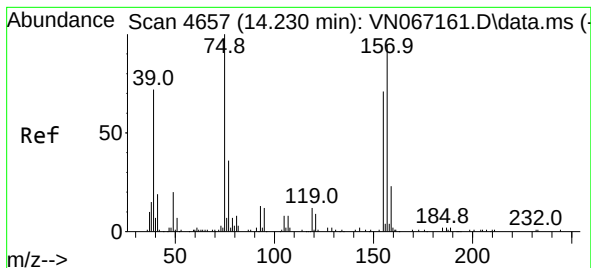
Tgt Ion: 75 Resp: 80260
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#88
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.310 min Scan# 4314
Delta R.T. -0.008 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion: 146 Resp: 1050
Ion Ratio Lower Upper
146 100
111 0.0 18.5 55.5#
148 0.0 31.4 94.3#

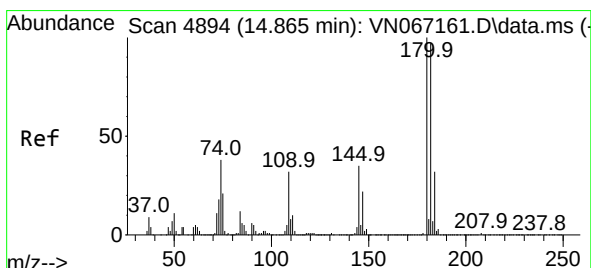
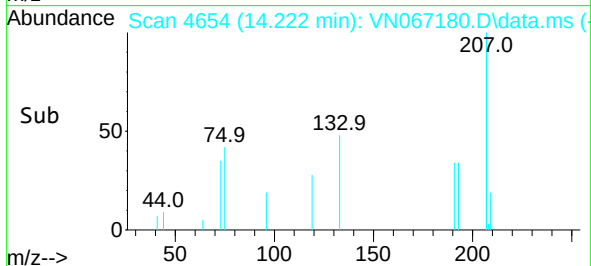
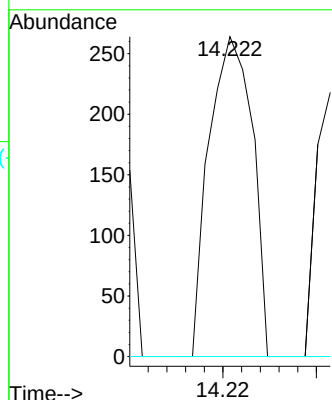
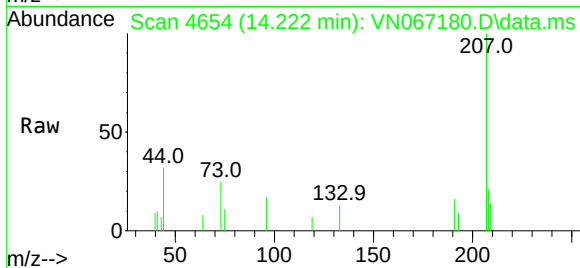




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.22 ug/l
 RT: 14.222 min Scan# 4654
 Delta R.T. -0.008 min
 Lab File: VN067180.D
 Acq: 28 May 2021 13:58

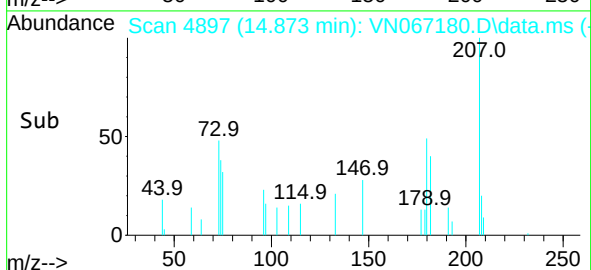
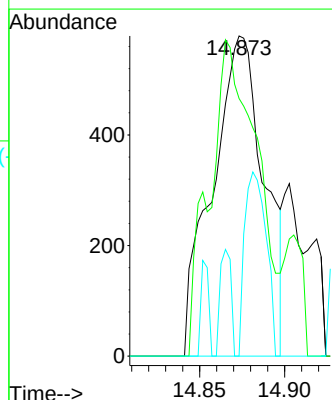
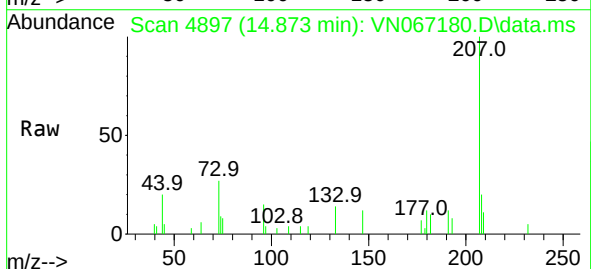
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBL01

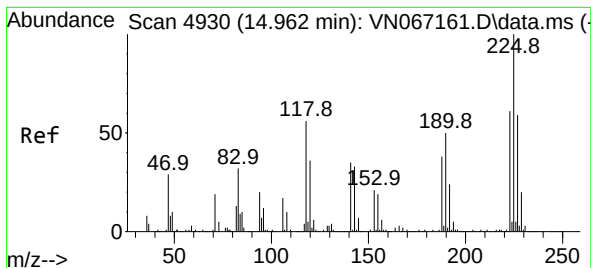
Tgt Ion: 75 Resp: 171
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.9 149.7#
 157 0.0 63.8 191.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.73 ug/l
 RT: 14.873 min Scan# 4897
 Delta R.T. 0.008 min
 Lab File: VN067180.D
 Acq: 28 May 2021 13:58

Tgt Ion:180 Resp: 1228
 Ion Ratio Lower Upper
 180 100
 182 76.5 47.3 141.8
 145 7.0 14.0 42.0#

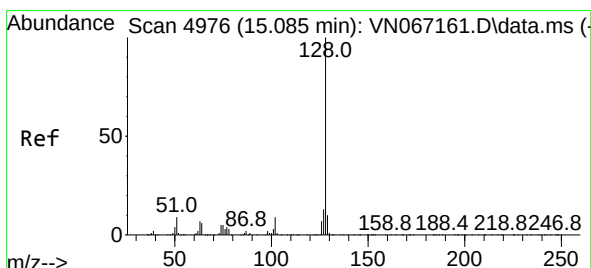
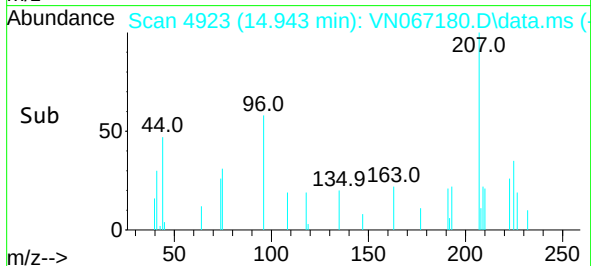
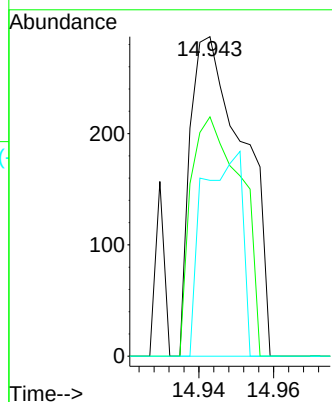
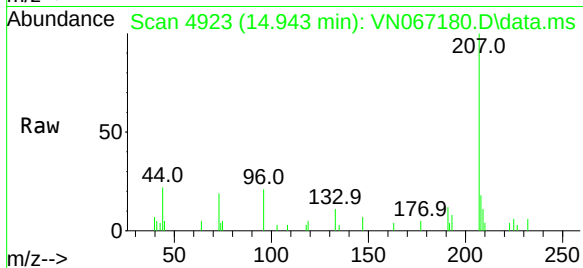




#94
Hexachlorobutadiene
Concen: 0.23 ug/l
RT: 14.943 min Scan# 4923
Delta R.T. -0.019 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

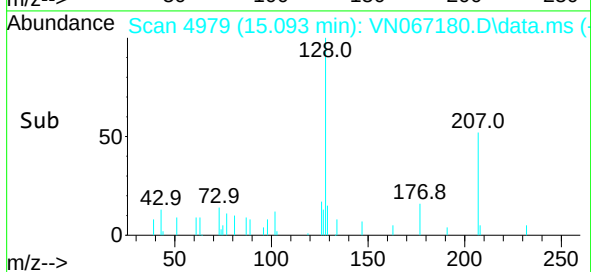
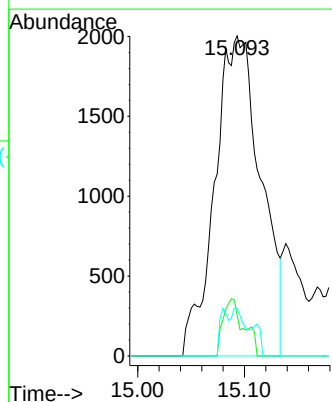
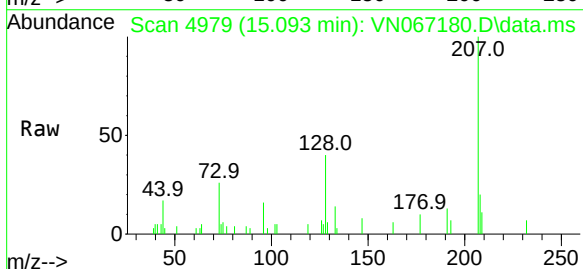
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBL01

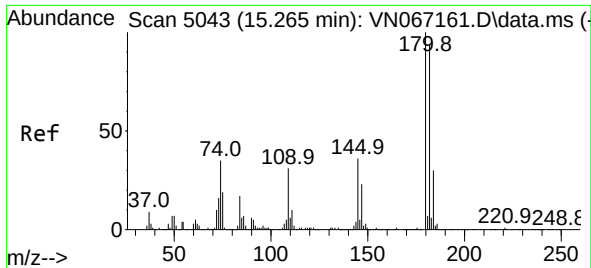
Tgt Ion:	225	Resp:	286
Ion	Ratio	Lower	Upper
225	100		
223	69.9	31.7	95.1
227	46.9	31.7	95.1



#95
Naphthalene
Concen: 4.63 ug/l
RT: 15.093 min Scan# 4979
Delta R.T. 0.008 min
Lab File: VN067180.D
Acq: 28 May 2021 13:58

Tgt Ion:	128	Resp:	6020
Ion	Ratio	Lower	Upper
128	100		
127	6.6	10.2	15.2#
129	1.8	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.52 ug/l
 RT: 15.254 min Scan# 5039
 Delta R.T. -0.011 min
 Lab File: VN067180.D
 Acq: 28 May 2021 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBL01

Tgt Ion:180 Resp: 1068
 Ion Ratio Lower Upper
 180 100
 182 50.2 48.5 145.6
 145 25.4 15.4 46.2

