

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
 Data File : VN065258.D
 Acq On : 24 Dec 2020 13:48
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

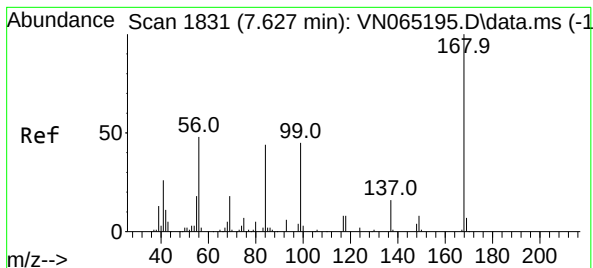
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 25 02:36:56 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	246464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	407145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	423851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	193370	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	144333	51.87	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.74%			
35) Dibromofluoromethane	7.553	113	125429	51.06	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.12%			
50) Toluene-d8	10.061	98	496057	53.88	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.76%			
62) 4-Bromofluorobenzene	12.376	95	205170	55.70	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.40%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.698	59	232	0.51	ug/l #	73
13) Acrolein	3.576	56	310	3.41	ug/l #	46
16) Acetone	3.775	43	63	Below Cal	#	43
18) Methyl Acetate	4.290	43	577	0.23	ug/l #	50
20) Methylene Chloride	4.499	84	795	0.29	ug/l #	84
25) 2-Butanone	6.795	43	487	0.31	ug/l #	49
29) Tetrahydrofuran	7.187	42	233	0.23	ug/l #	32
31) Cyclohexane	7.624	56	4417	1.08	ug/l #	4
36) 1,1-Dichloropropene	7.627	75	16214	4.38	ug/l #	52
38) Carbon Tetrachloride	7.627	117	22106	5.69	ug/l #	17
60) Dibromochloromethane	10.878	129	1673	0.51	ug/l #	15
74) N-amyl acetate	12.061	43	1345	0.23	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	104402	26.46	ug/l #	100
77) Bromobenzene	12.531	156	17699	4.60	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.376	75	104402	66.73	ug/l #	15
83) tert-Butylbenzene	12.926	119	3335	0.31	ug/l #	43
86) p-Isopropyltoluene	13.145	119	5224	0.40	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.267	75	658	0.80	ug/l #	26
93) 1,2,4-Trichlorobenzene	14.897	180	359	2.92	ug/l #	1
95) Naphthalene	15.100	128	5133	3.85	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.261	180	254	3.29	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. 0.000 min

Lab File: VN065258.D

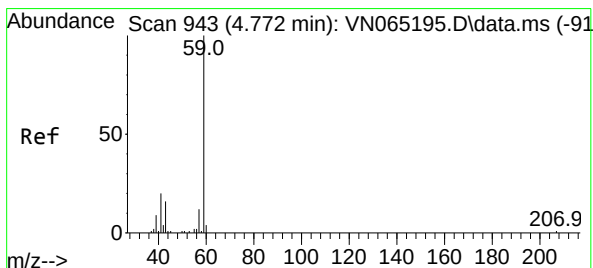
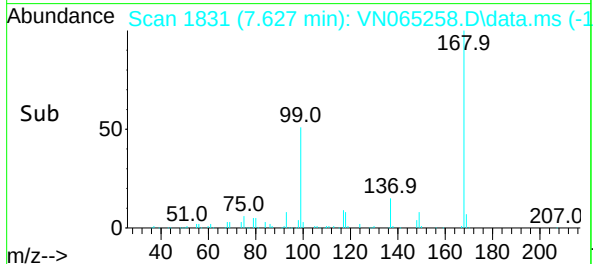
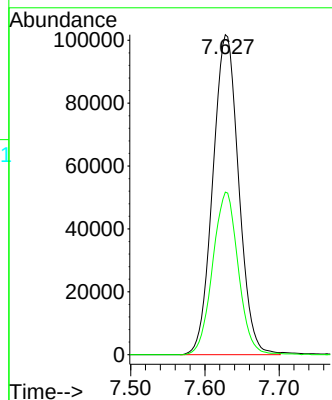
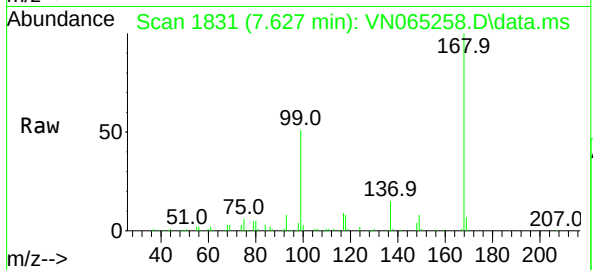
Acq: 24 Dec 2020 13:48

Tgt Ion:168 Resp: 246464

Ion Ratio Lower Upper

168 100

99 50.8 43.0 64.4



#11

Tert butyl alcohol

Concen: 0.51 ug/l

RT: 4.698 min Scan# 920

Delta R.T. -0.074 min

Lab File: VN065258.D

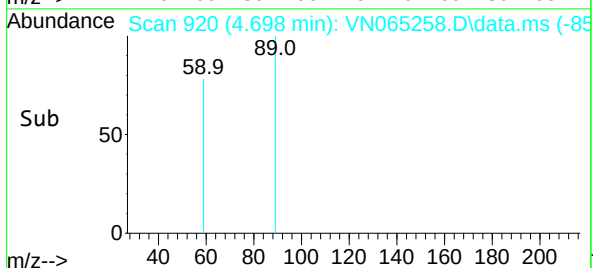
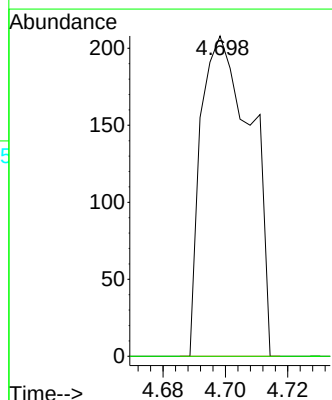
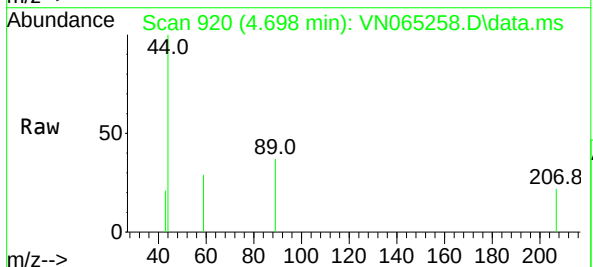
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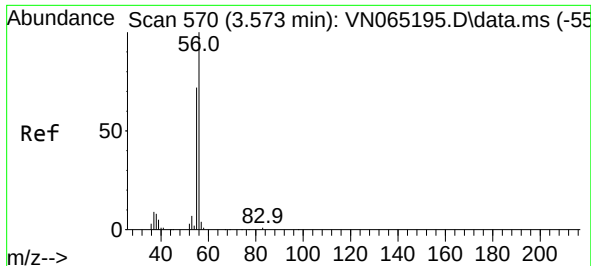
Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#

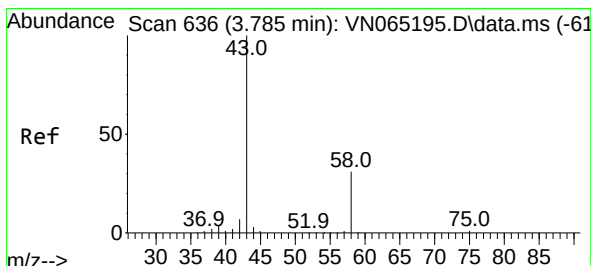
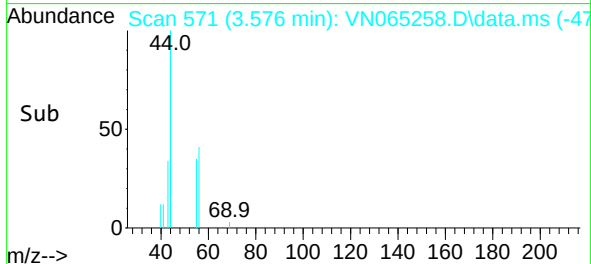
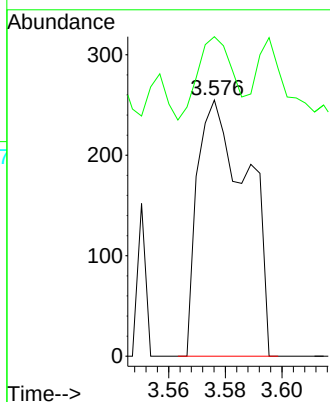
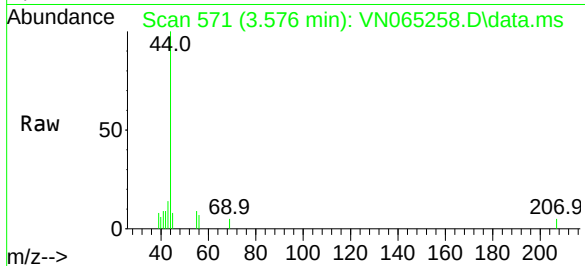




#13
Acrolein
Concen: 3.41 ug/l
RT: 3.576 min Scan# 571
Delta R.T. 0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

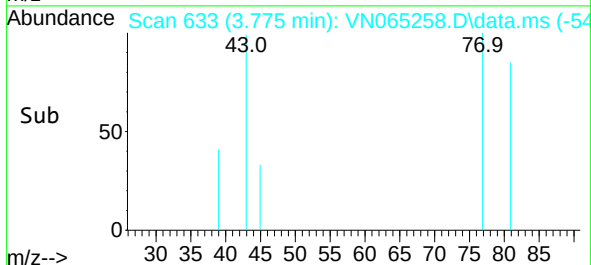
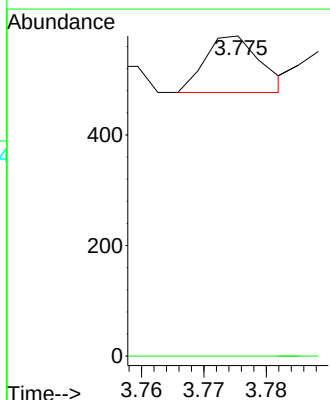
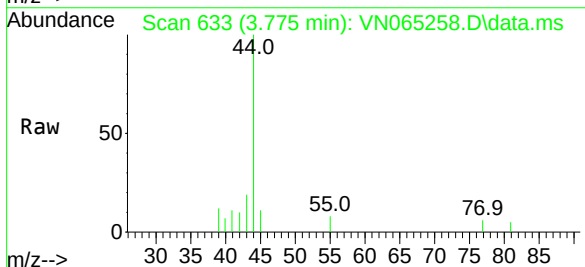
Instrument :
MSVOA_N
ClientSampled :
IBLK

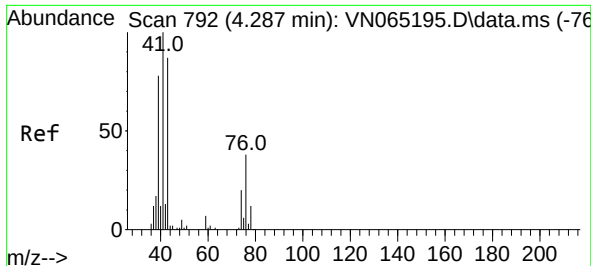
Tgt Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
55 26.1 56.5 84.7#



#16
Acetone
Concen: Below Cal
RT: 3.775 min Scan# 633
Delta R.T. -0.010 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

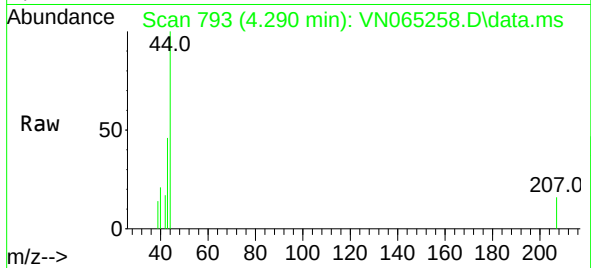
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



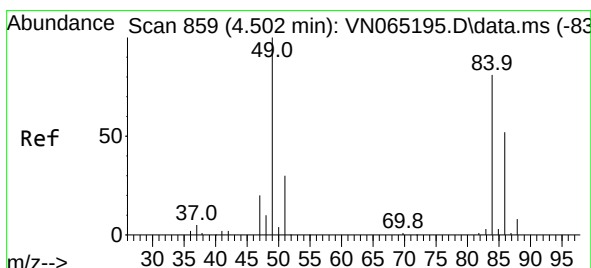
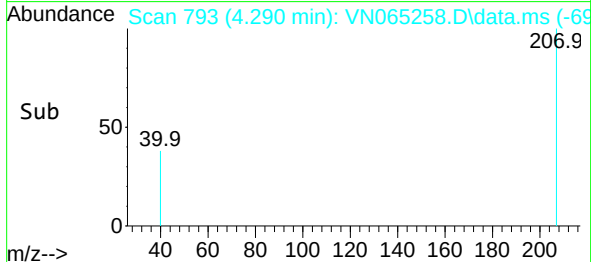
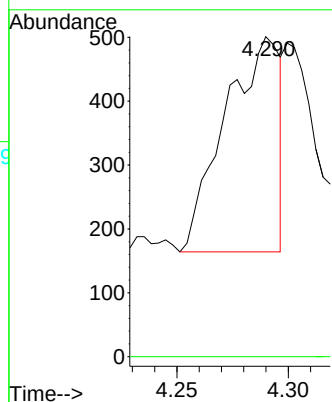


#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Instrument :
MSVOA_N
ClientSampled :
IBLK

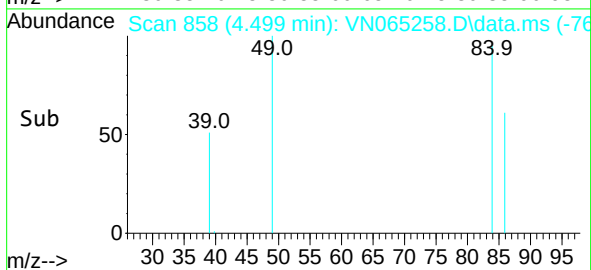
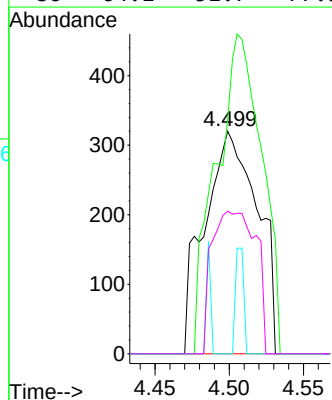
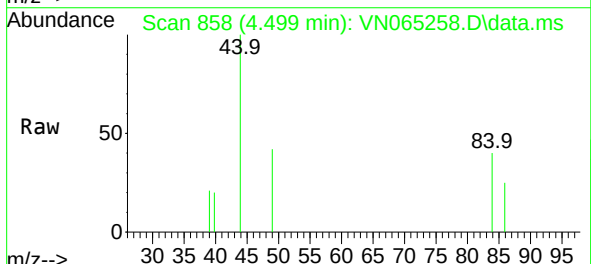


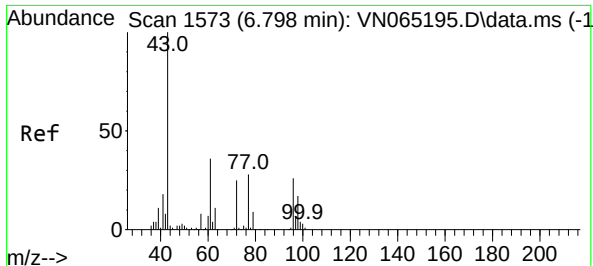
Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 4.499 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 84 Resp: 795
Ion Ratio Lower Upper
84 100
49 105.6 93.4 140.0
51 0.0 28.2 42.4#
86 64.1 51.7 77.5

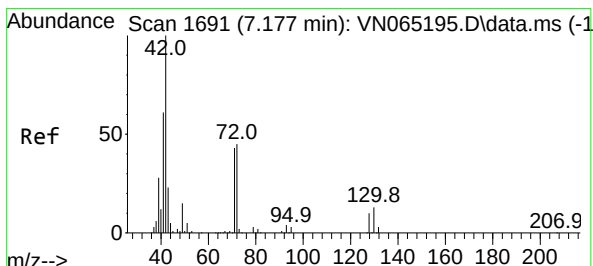
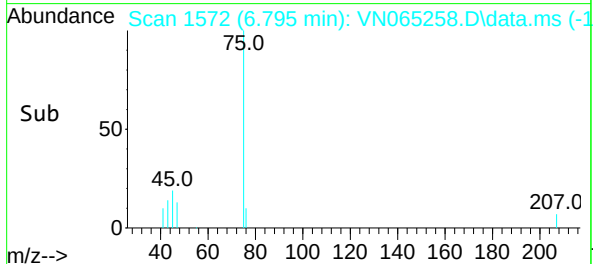
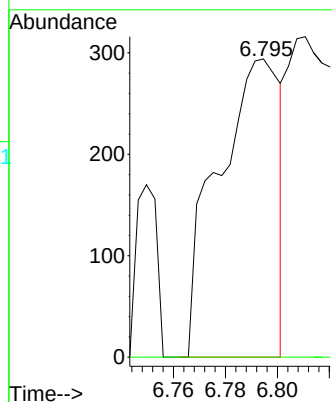
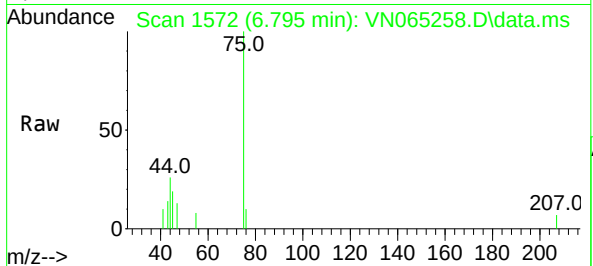




#25
2-Butanone
Concen: 0.31 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

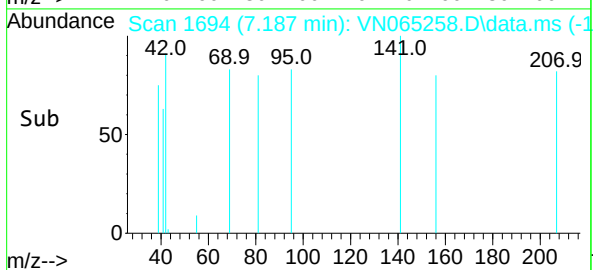
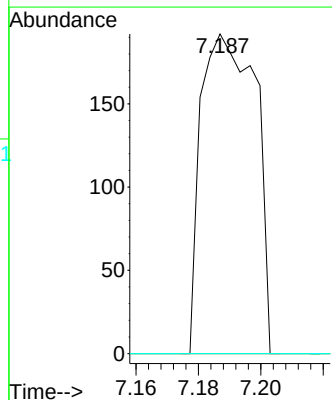
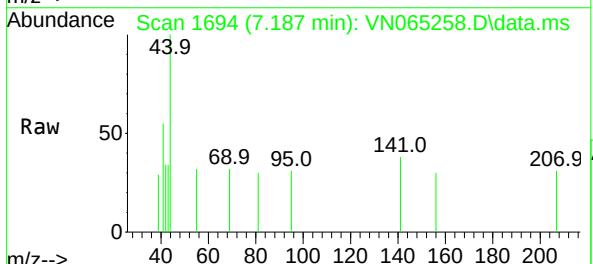
Instrument :
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ClientSampled :
IBLK

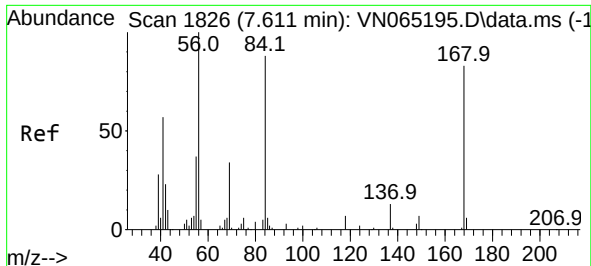
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.010 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 42 Resp: 233
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.6 50.4#

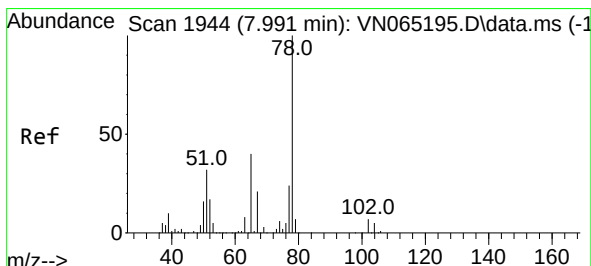
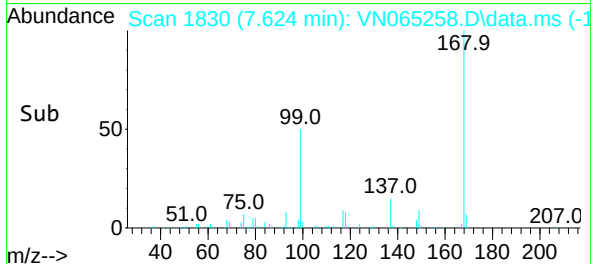
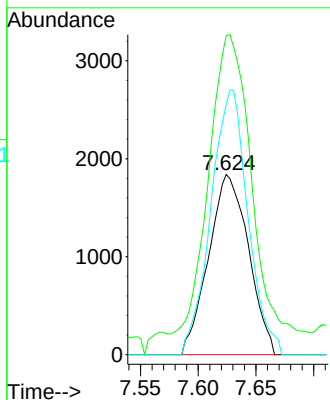
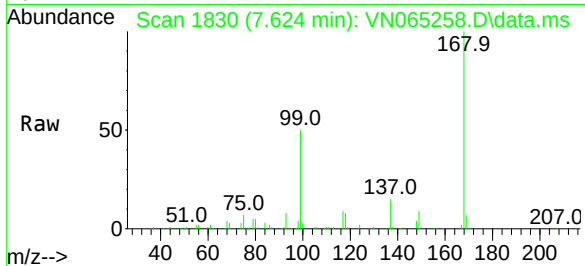




#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

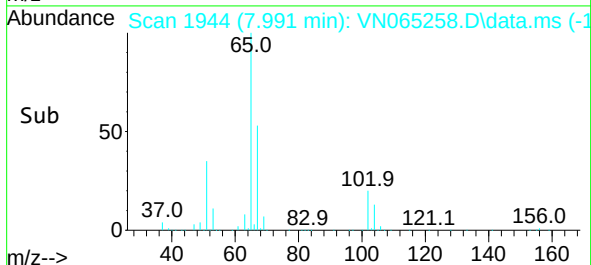
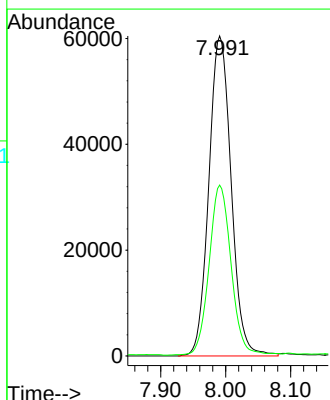
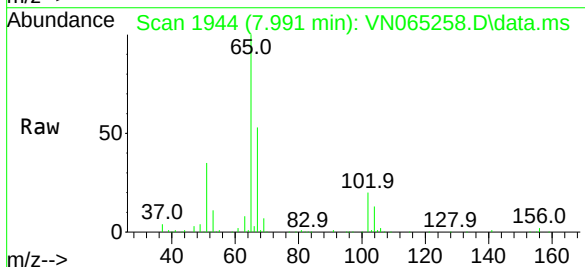
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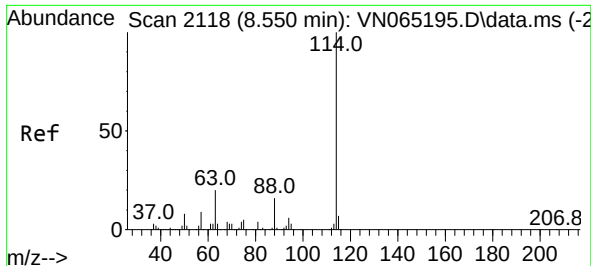
Tgt Ion: 56 Resp: 4417
Ion Ratio Lower Upper
56 100
69 163.2 27.5 41.3#
84 138.9 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 51.87 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 65 Resp: 144333
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2

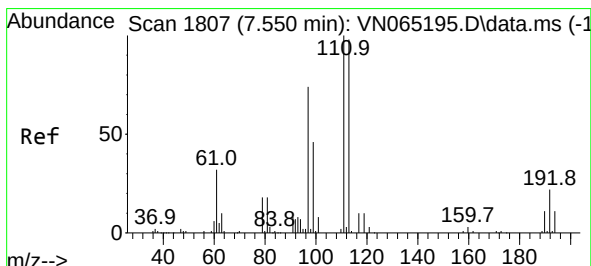
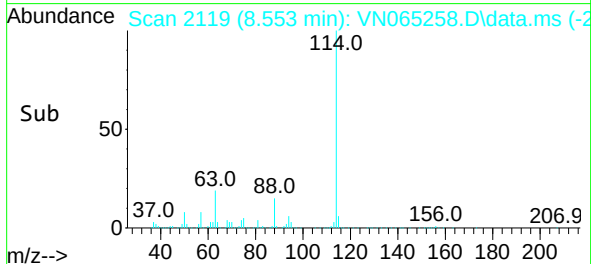
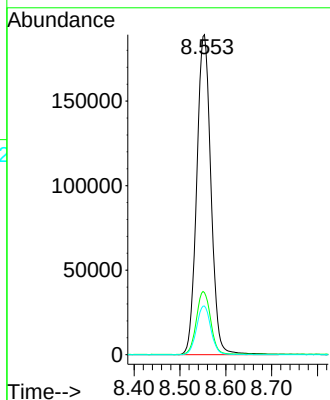
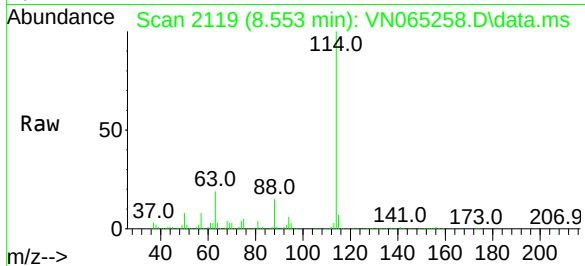




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

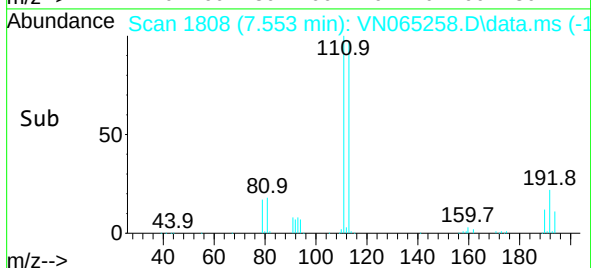
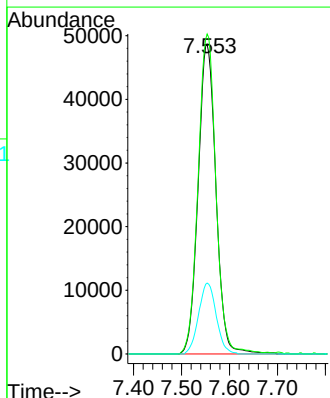
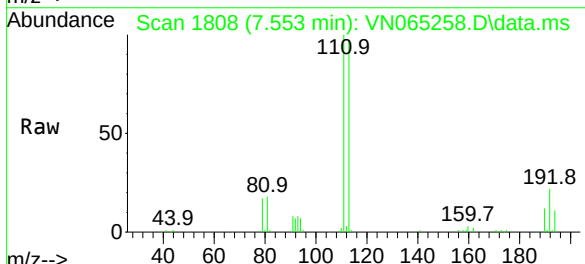
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MSVOA_N
ClientSampled :
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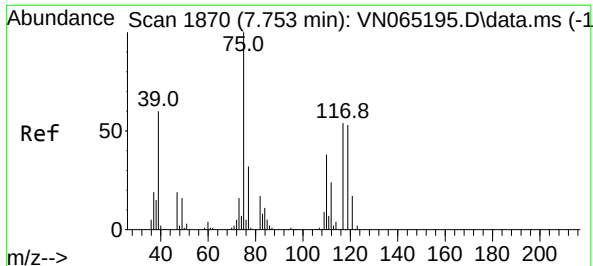
Tgt Ion:	114	Resp:	407145
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	38.6
88	15.2	0.0	32.6



#35
Dibromofluoromethane
Concen: 51.06 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion:	113	Resp:	125429
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.6	122.4
192	22.7	16.2	24.2

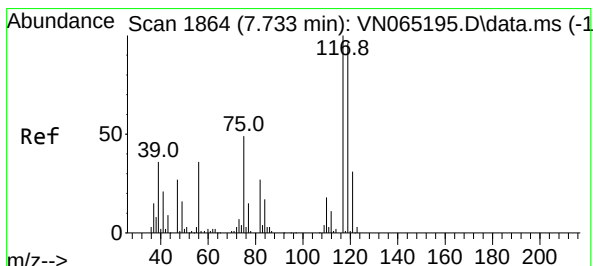
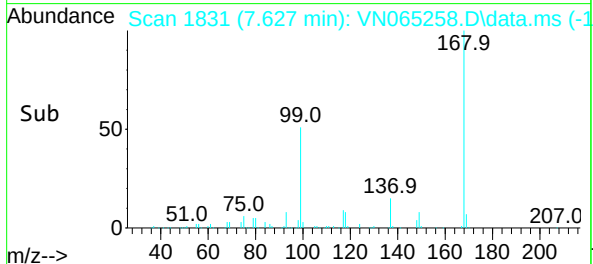
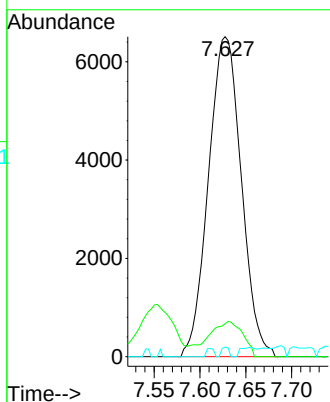
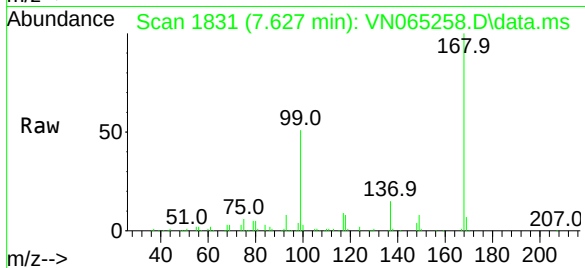




#36
1,1-Dichloropropene
Concen: 4.38 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

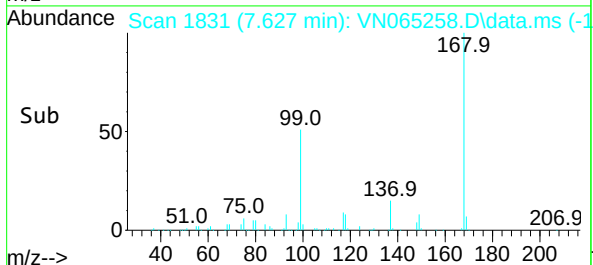
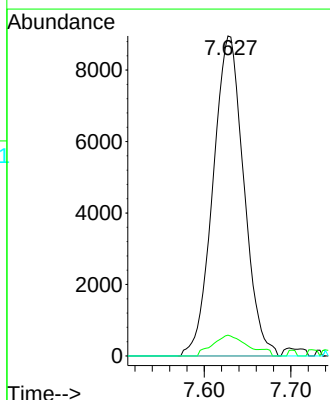
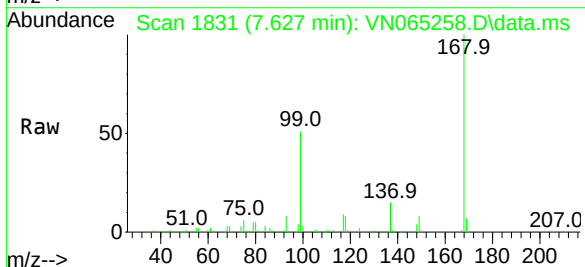
Instrument :
MSVOA_N
ClientSampled :
IBLK

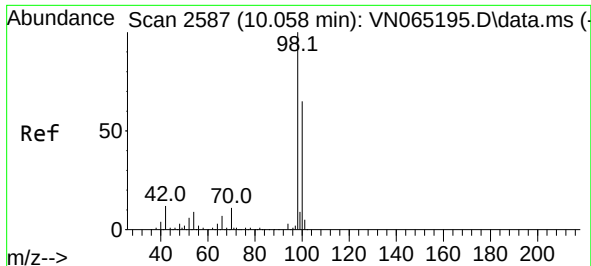
Tgt Ion: 75 Resp: 16214
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.3#
77 0.6 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 117 Resp: 22106
Ion Ratio Lower Upper
117 100
119 6.5 76.7 115.1#
121 0.0 25.4 38.2#

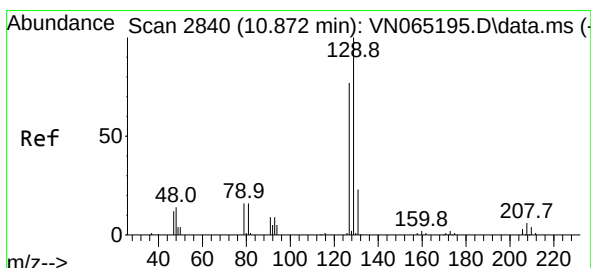
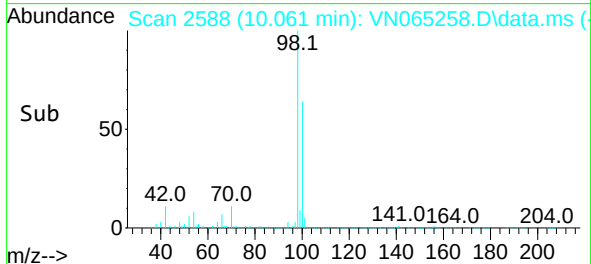
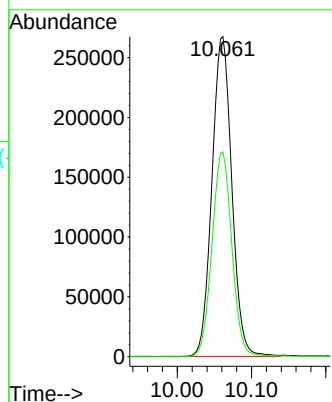
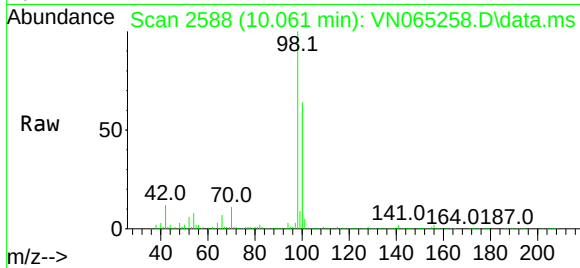




#50
Toluene-d8
Concen: 53.88 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

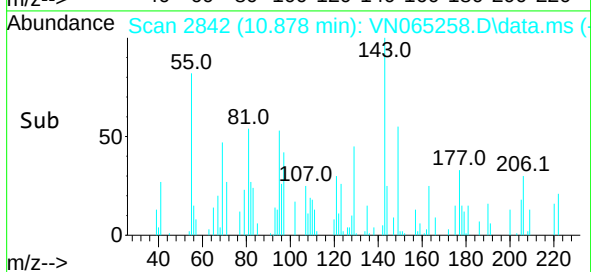
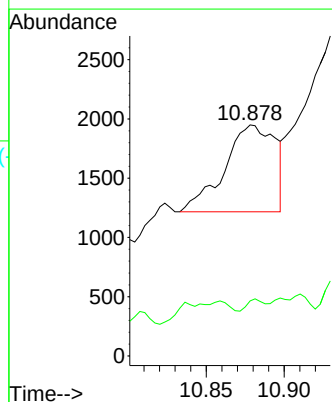
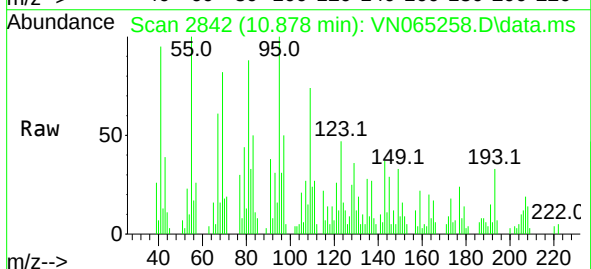
Instrument :
MSVOA_N
ClientSampled :
IBLK

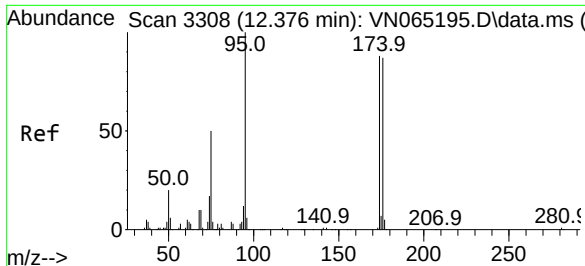
Tgt Ion: 98 Resp: 496057
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#60
Dibromochloromethane
Concen: 0.51 ug/l
RT: 10.878 min Scan# 2842
Delta R.T. 0.006 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 129 Resp: 1673
Ion Ratio Lower Upper
129 100
127 4.2 39.1 117.2#

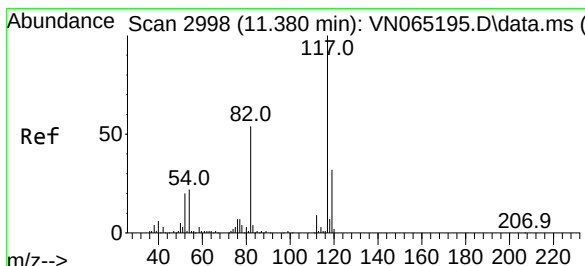
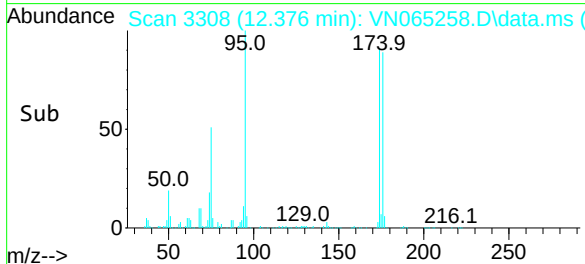
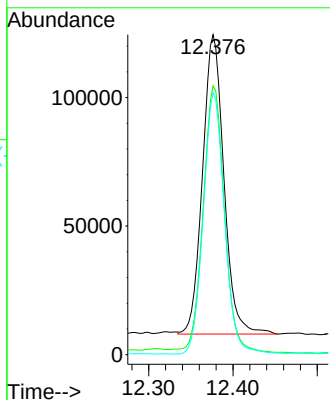
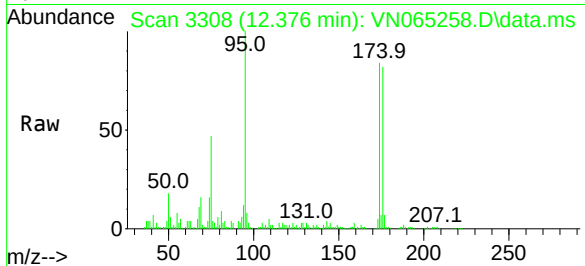




#62
4-Bromofluorobenzene
Concen: 55.70 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

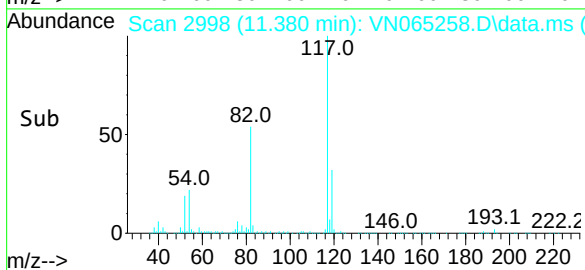
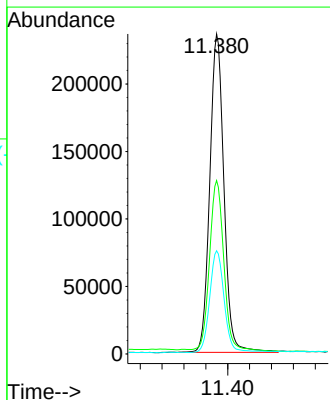
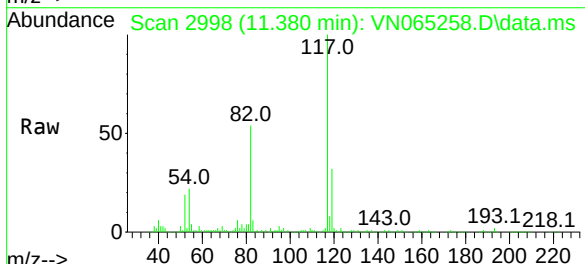
Instrument :
MSVOA_N
ClientSampleId :
IBLK

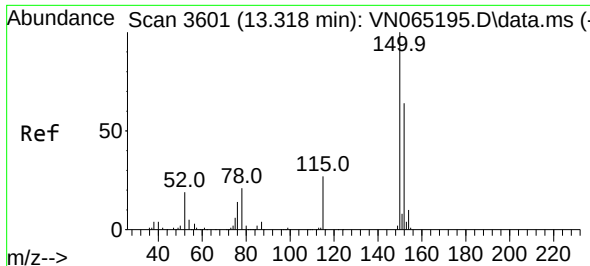
Tgt Ion:	95	Resp:	205170
Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	160.4
176	86.9	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion:	117	Resp:	423851
Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.2	66.2
119	32.0	25.8	38.6

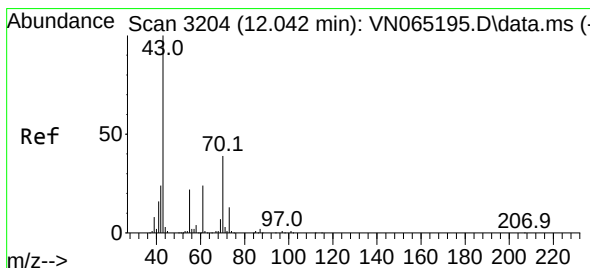
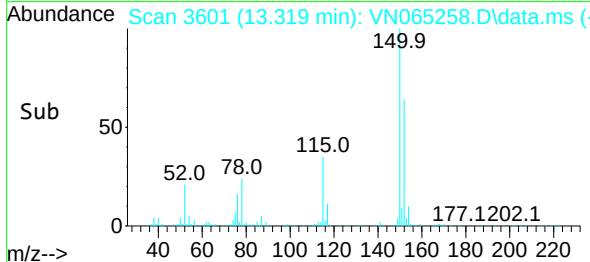
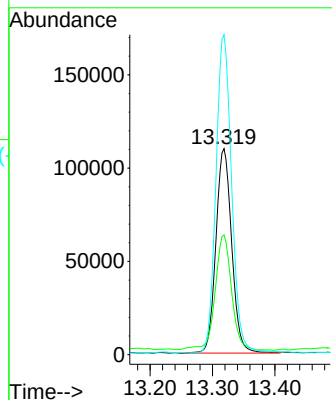
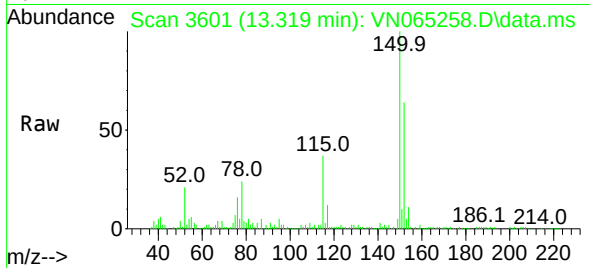




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.319 min Scan# 3601
Delta R.T. 0.001 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

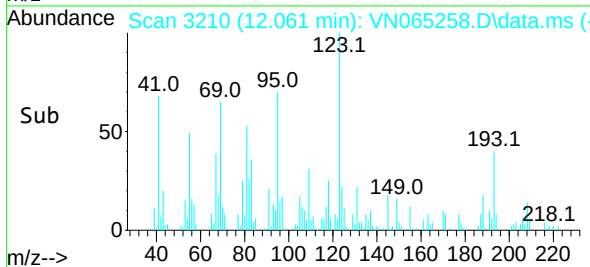
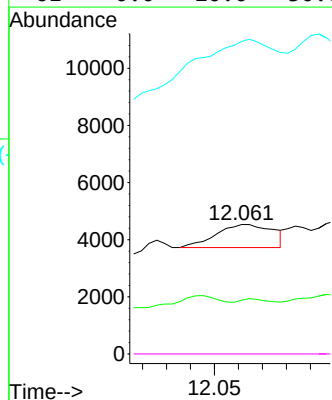
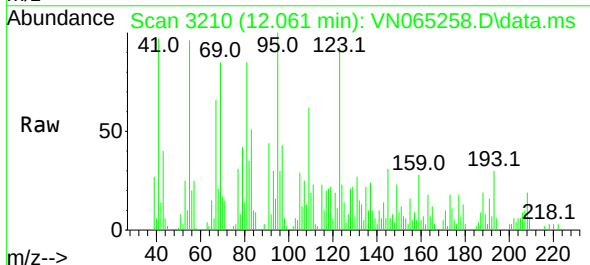
Instrument :
MSVOA_N
ClientSampleId :
IBLK

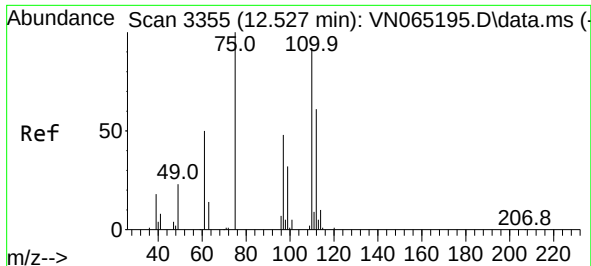
Tgt Ion:152 Resp: 193370
Ion Ratio Lower Upper
152 100
115 58.0 29.7 89.1
150 154.2 0.0 350.6



#74
N-ethyl acetate
Concen: 0.23 ug/l
RT: 12.061 min Scan# 3210
Delta R.T. 0.019 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
70 37.8 34.5 51.7
55 435.0 20.4 30.6#
61 0.0 20.0 30.0#

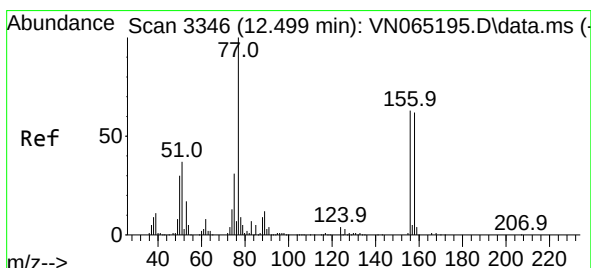
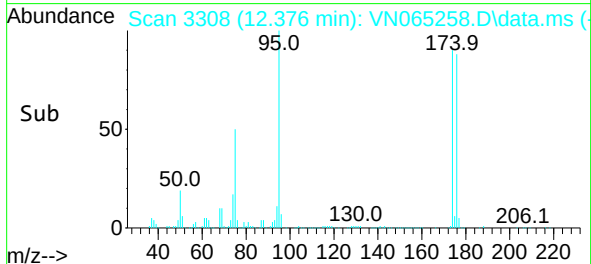
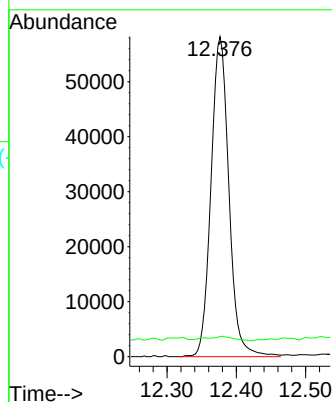
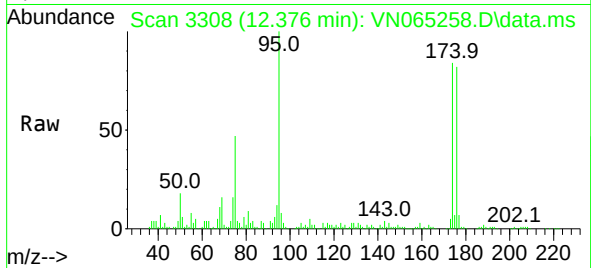




#76
1,2,3-Trichloropropane
Concen: 26.46 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

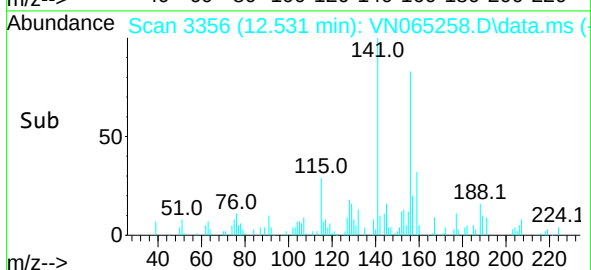
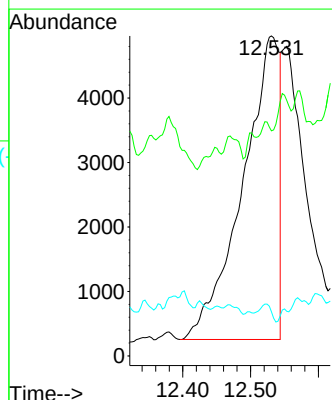
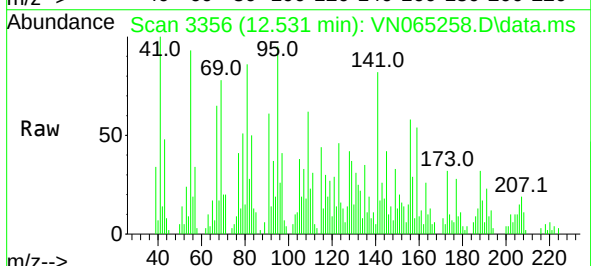
Instrument :
MSVOA_N
ClientSampled :
IBLK

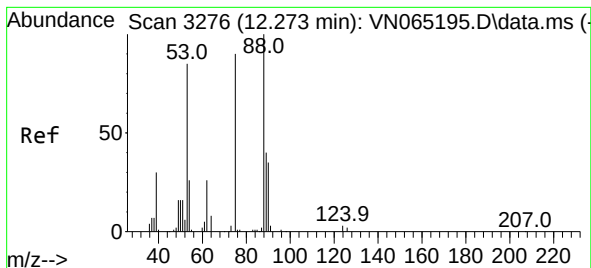
Tgt Ion: 75 Resp: 104402
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#77
Bromobenzene
Concen: 4.60 ug/l
RT: 12.531 min Scan# 3356
Delta R.T. 0.032 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion:156 Resp: 17699
Ion Ratio Lower Upper
156 100
77 0.9 101.3 303.7#
158 1.8 48.2 144.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.73 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.103 min

Lab File: VN065258.D

Acq: 24 Dec 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

IBLK

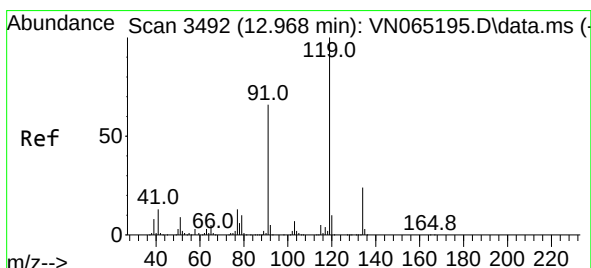
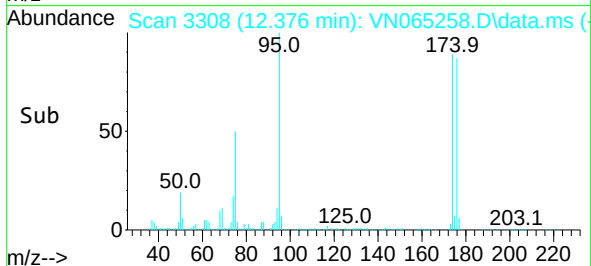
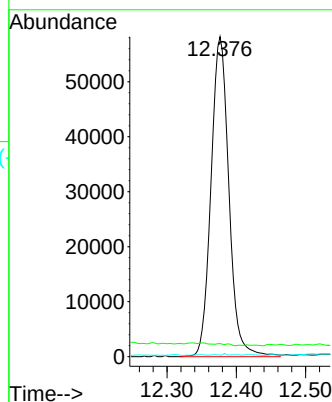
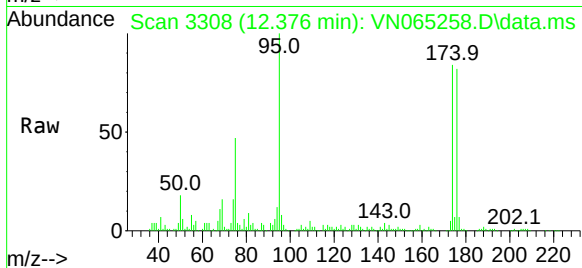
Tgt Ion: 75 Resp: 104402

Ion Ratio Lower Upper

75 100

53 0.1 67.0 100.4#

89 0.1 39.6 59.4#



#83

tert-Butylbenzene

Concen: 0.31 ug/l

RT: 12.926 min Scan# 3479

Delta R.T. -0.042 min

Lab File: VN065258.D

Acq: 24 Dec 2020 13:48

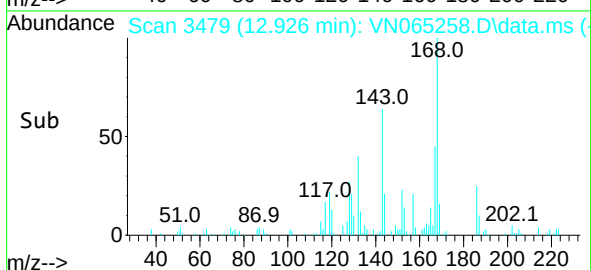
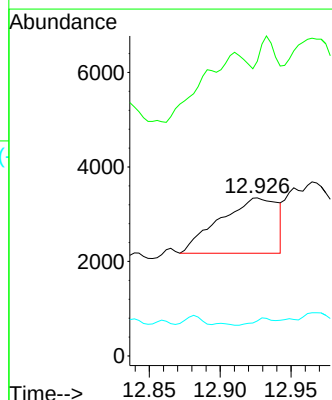
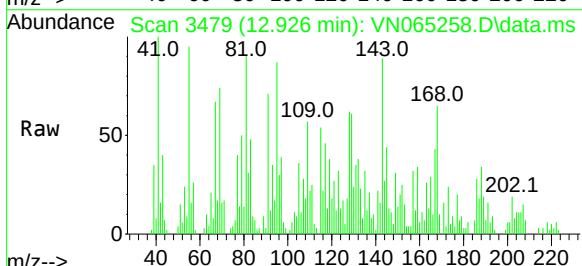
Tgt Ion: 119 Resp: 3335

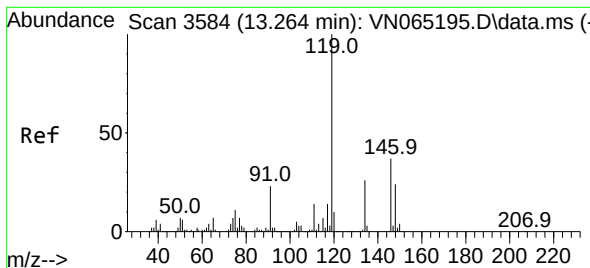
Ion Ratio Lower Upper

119 100

91 15.2 32.3 96.8#

134 4.1 12.6 37.6#

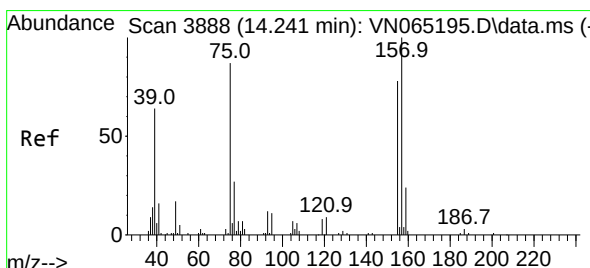
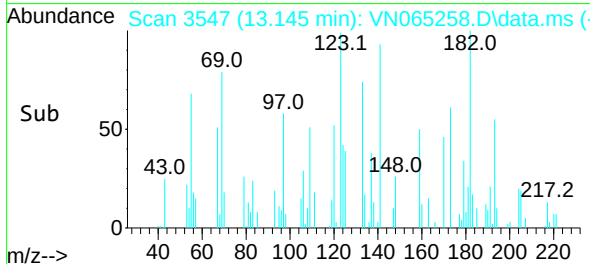
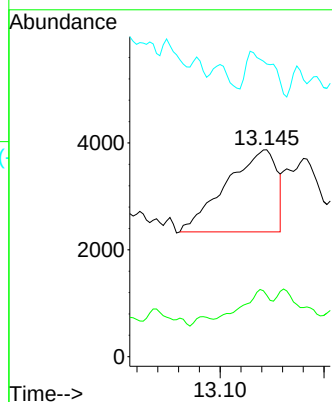
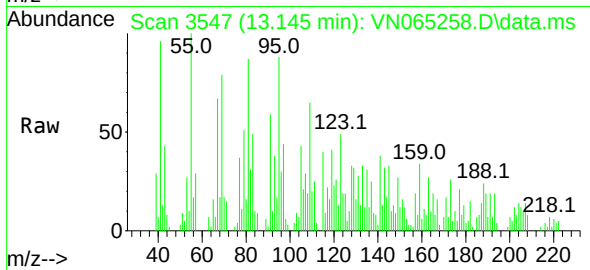




#86
p-Isopropyltoluene
Concen: 0.40 ug/l
RT: 13.145 min Scan# 3547
Delta R.T. -0.119 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

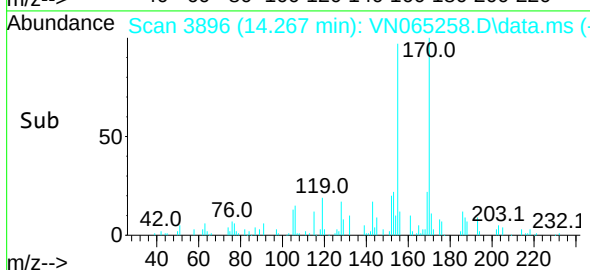
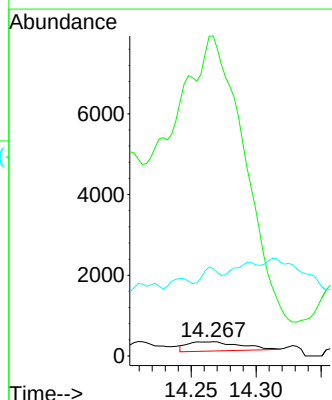
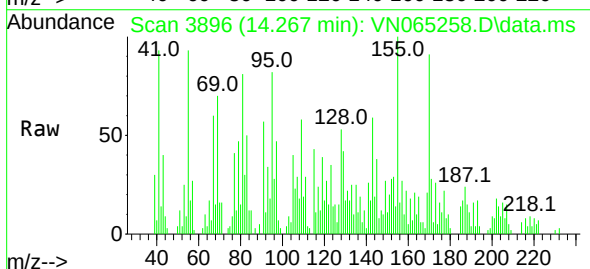
Instrument :
MSVOA_N
ClientSampled :
IBLK

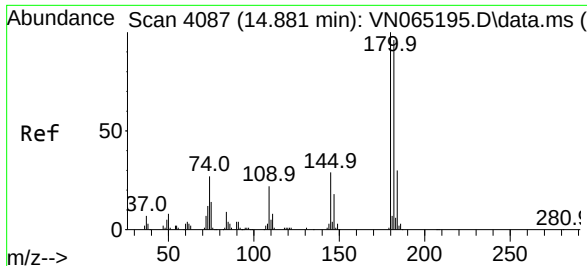
Tgt Ion:119 Resp: 5224
Ion Ratio Lower Upper
119 100
134 21.8 13.1 39.1
91 27.7 11.5 34.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.80 ug/l
RT: 14.267 min Scan# 3896
Delta R.T. 0.026 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

Tgt Ion: 75 Resp: 658
Ion Ratio Lower Upper
75 100
155 0.0 42.8 128.3#
157 49.7 56.4 169.1#

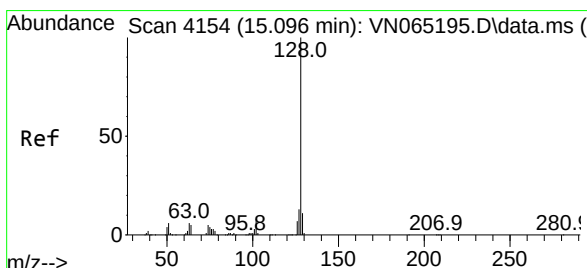
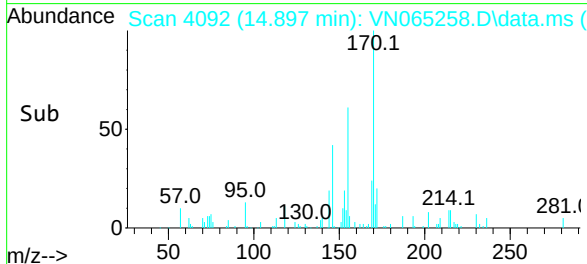
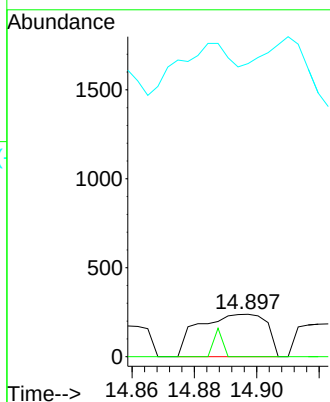
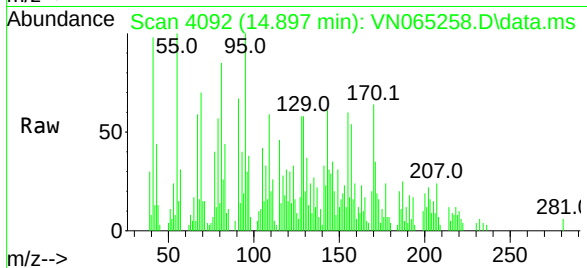




#93
1,2,4-Trichlorobenzene
Concen: 2.92 ug/l
RT: 14.897 min Scan# 4092
Delta R.T. 0.016 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

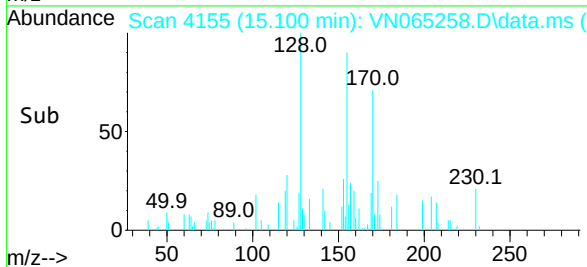
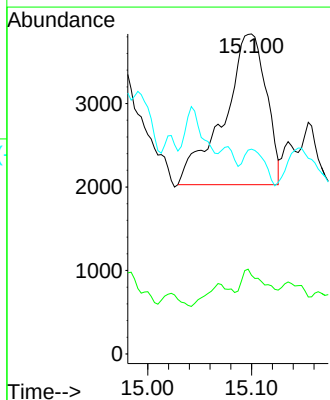
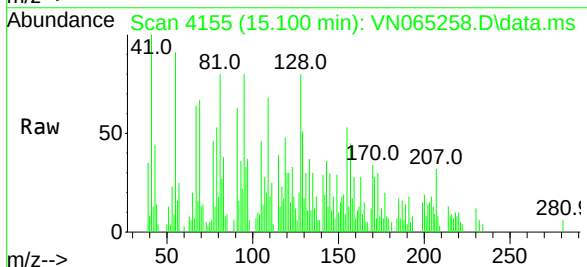
Instrument :
MSVOA_N
ClientSampled :
IBLK

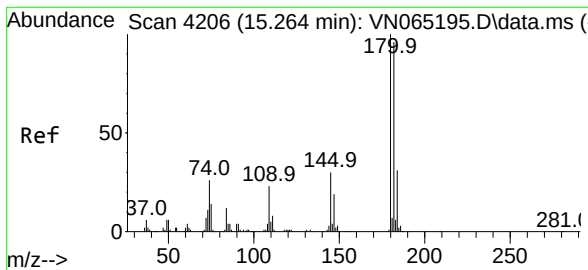
Tgt Ion:180 Resp: 359
Ion Ratio Lower Upper
180 100
182 8.6 47.6 142.9#
145 103.3 15.3 45.8#



#95
Naphthalene
Concen: 3.85 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.004 min
Lab File: VN065258.D
Acq: 24 Dec 2020 13:48

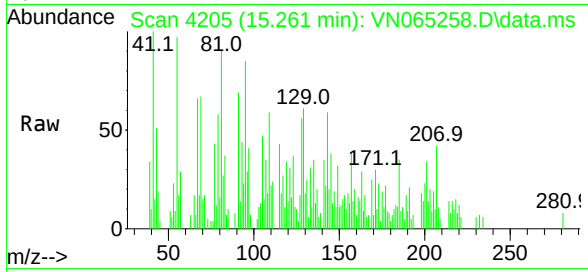
Tgt Ion:128 Resp: 5133
Ion Ratio Lower Upper
128 100
127 6.4 10.3 15.5#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.29 ug/l
 RT: 15.261 min Scan# 4205
 Delta R.T. -0.003 min
 Lab File: VN065258.D
 Acq: 24 Dec 2020 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	254
Ion Ratio	Lower	Upper	
180	100		
182	0.0	48.1	144.4#
145	0.0	16.4	49.1#

