

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069550.D
 Acq On : 18 Nov 2021 14:00
 Operator : JC/MD
 Sample : M4740-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 03:18:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

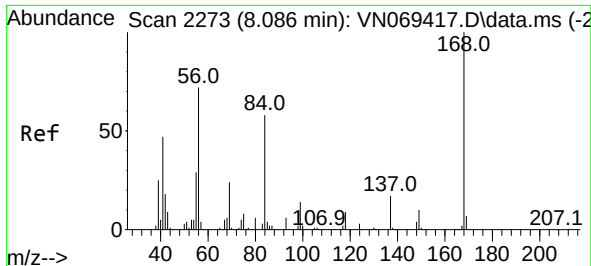
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	1261609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2220605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	2214548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	809459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	943843	51.597	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 103.200%		
35) Dibromofluoromethane	8.027	113	650343	48.831	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 97.660%		
50) Toluene-d8	10.443	98	2826239	53.956	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.920%		
62) 4-Bromofluorobenzene	12.733	95	986127	51.247	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 102.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	5612	0.359	ug/l #	84
13) Acrolein	4.049	56	980	Below Cal	#	62
16) Acetone	4.296	43	17254	1.748	ug/l	96
31) Cyclohexane	8.086	56	33061	1.323	ug/l #	43
36) 1,1-Dichloropropene	8.086	75	108961	5.831	ug/l #	49
38) Carbon Tetrachloride	8.088	117	132126	7.324	ug/l #	16
44) Trichloroethene	9.217	130	6257	0.453	ug/l	93
49) 1,4-Dioxane	9.282	88	24	39.120	ug/l #	27
53) t-1,3-Dichloropropene	10.725	75	82	2.641	ug/l #	16
54) cis-1,3-Dichloropropene	10.180	75	26	1.734	ug/l #	78
56) Ethyl methacrylate	10.770	69	106	2.057	ug/l #	1
59) 2-Hexanone	11.092	43	2157	8.036	ug/l #	53
60) Dibromochloromethane	10.977	129	82	2.422	ug/l #	11
70) Styrene	12.288	104	82	1.522	ug/l #	26
76) 1,2,3-Trichloropropane	12.733	75	555975	29.762	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	555975	84.126	ug/l #	5
90) Hexachloroethane	14.294	117	25	2.165	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.576	75	49	1.809	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.271	180	799	3.172	ug/l #	15
95) Naphthalene	15.501	128	3045	4.528	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.702	180	1410	3.278	ug/l	88

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

Quant Time: Nov 19 03:18:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration

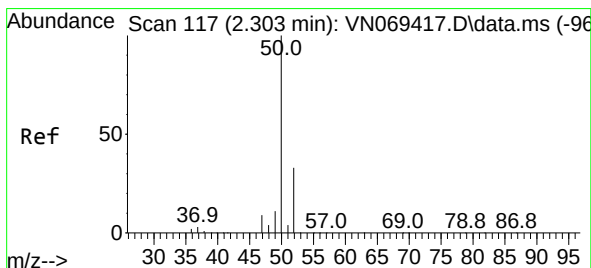
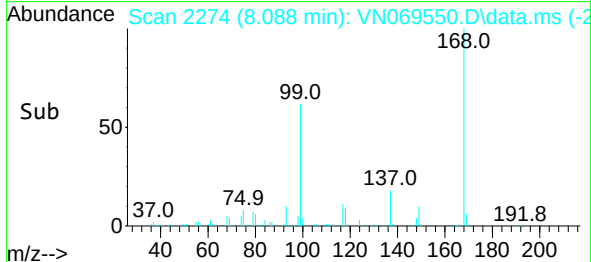
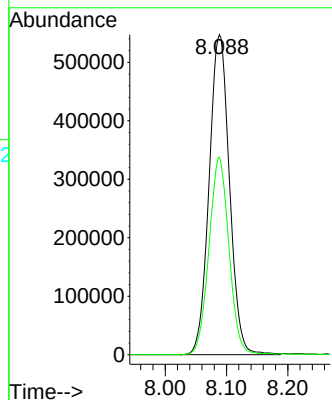
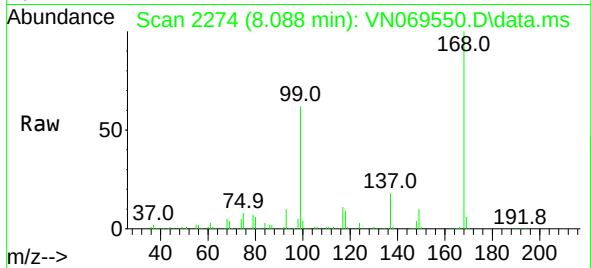




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

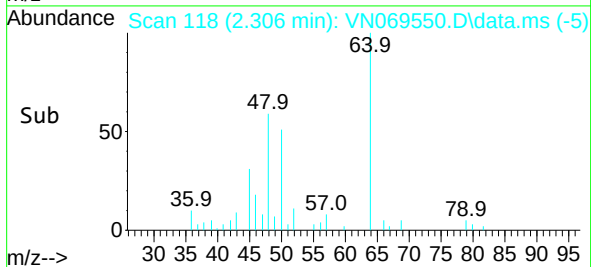
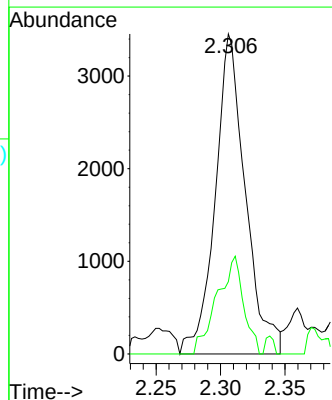
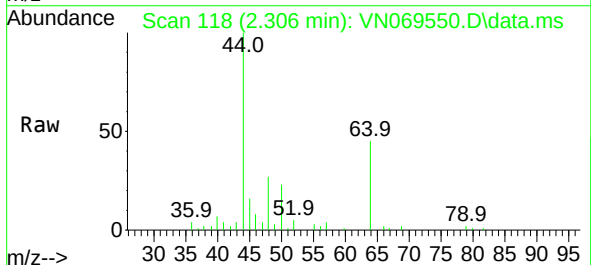
Instrument :
MSVOA_N
ClientSampleId :

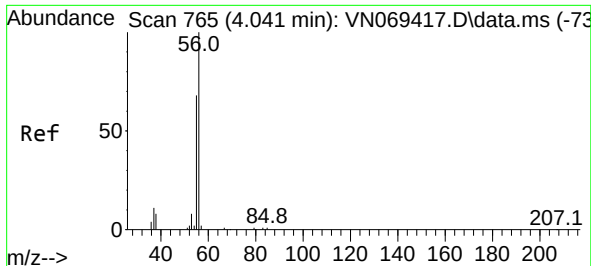
Tgt Ion:168 Resp: 1261609
Ion Ratio Lower Upper
168 100
99 61.8 41.3 61.9



#3
Chloromethane
Concen: 0.359 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Tgt Ion: 50 Resp: 5612
Ion Ratio Lower Upper
50 100
52 22.6 25.4 38.0#

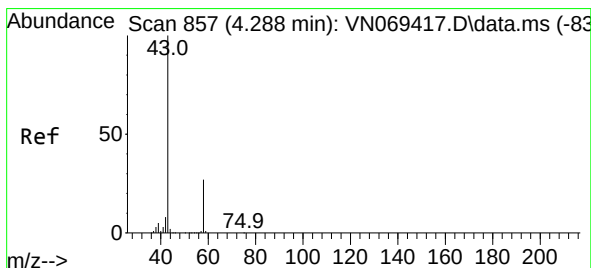
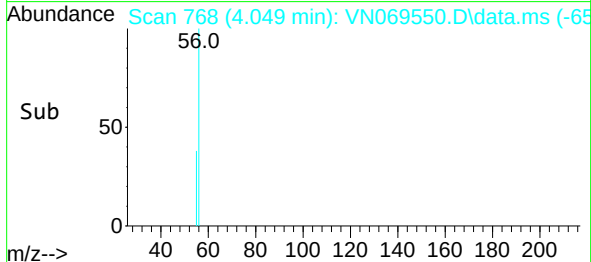
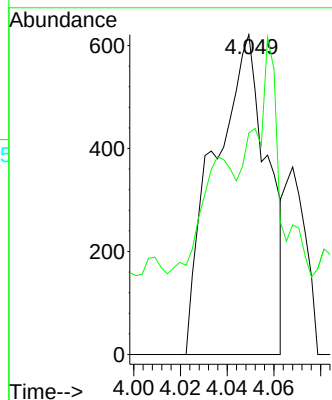
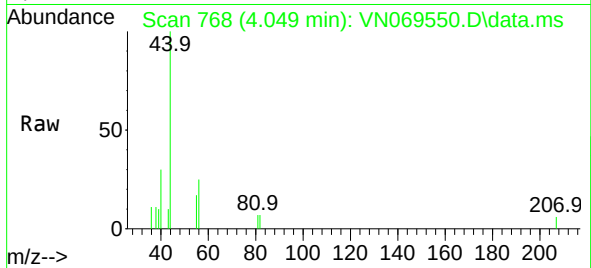




#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

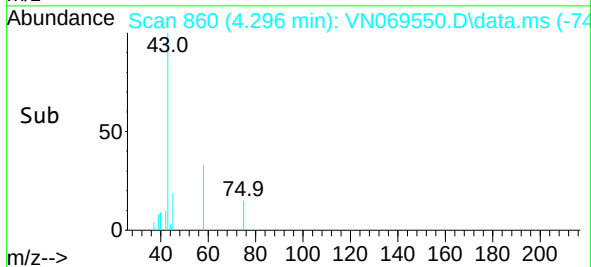
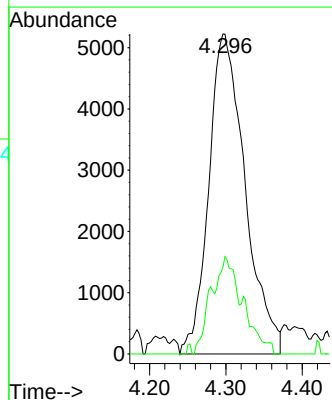
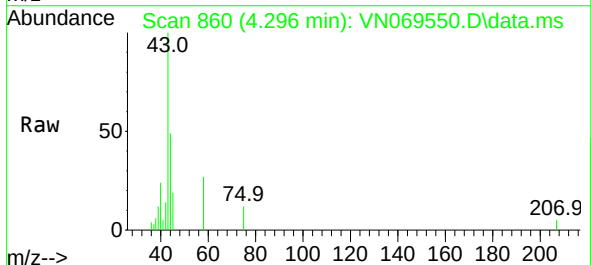
Instrument :
MSVOA_N
ClientSampleId :

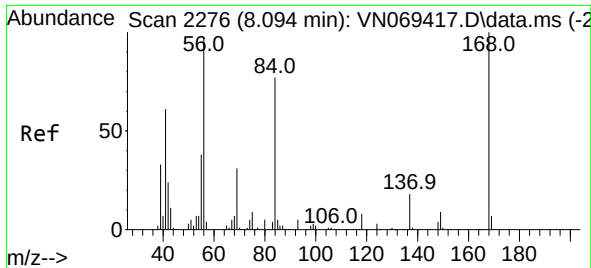
Tgt Ion: 56 Resp: 980
Ion Ratio Lower Upper
56 100
55 39.4 56.6 85.0#



#16
Acetone
Concen: 1.748 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Tgt Ion: 43 Resp: 17254
Ion Ratio Lower Upper
43 100
58 27.0 23.1 34.7

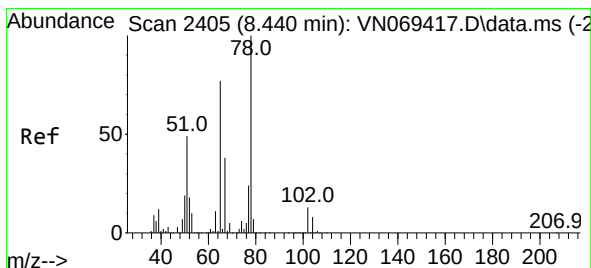
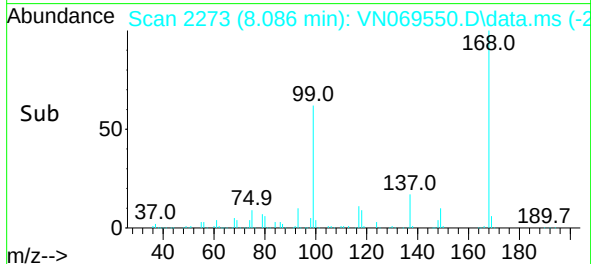
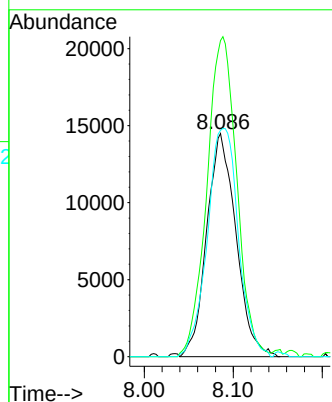
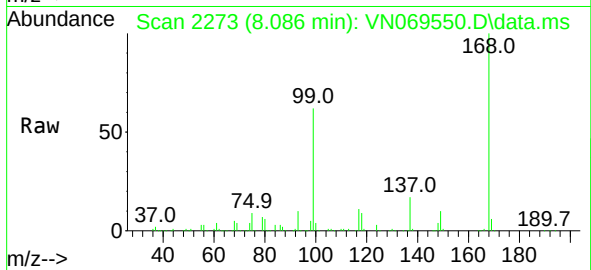




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

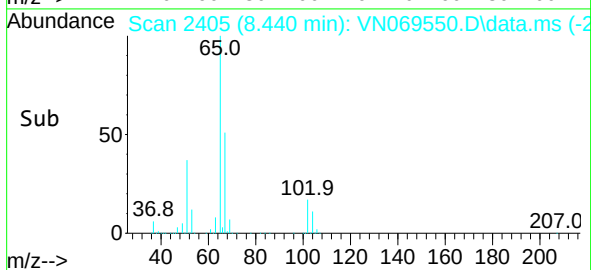
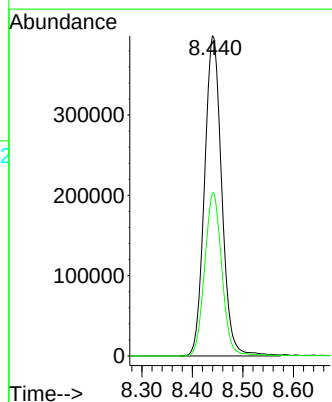
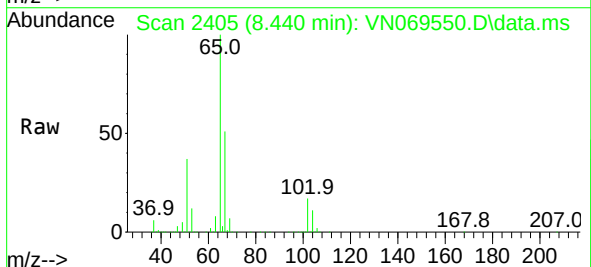
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MSVOA_N
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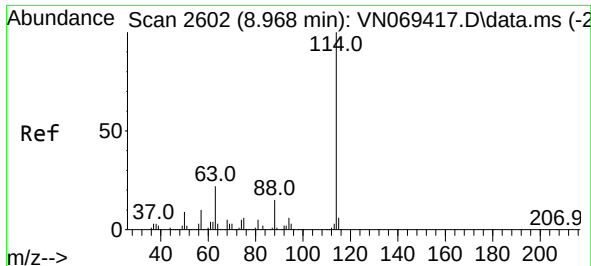
Tgt Ion: 56 Resp: 33061
Ion Ratio Lower Upper
56 100
69 140.1 27.1 40.7#
84 100.4 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.597 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

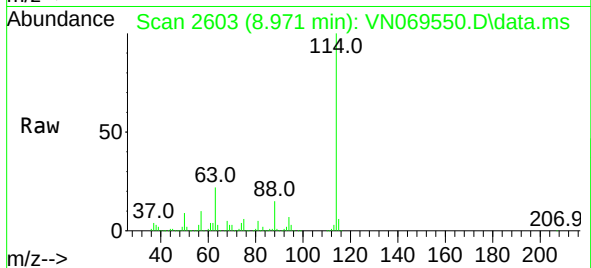
Tgt Ion: 65 Resp: 943843
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



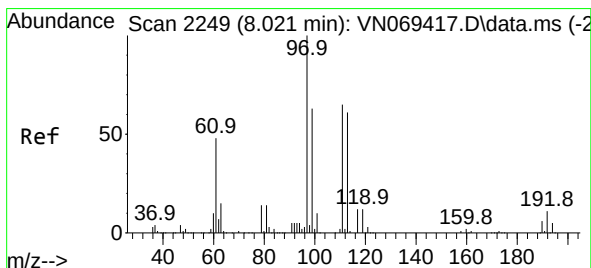
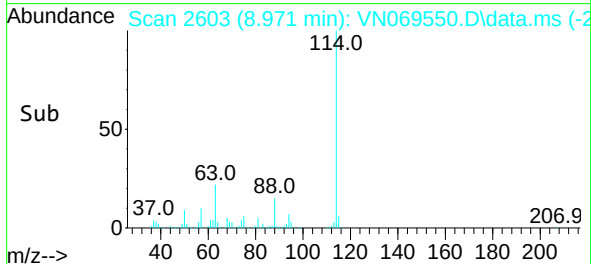
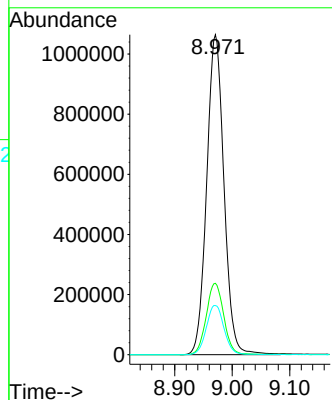


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 220605
Delta R.T. 0.003 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Instrument :
MSVOA_N
ClientSampleId :

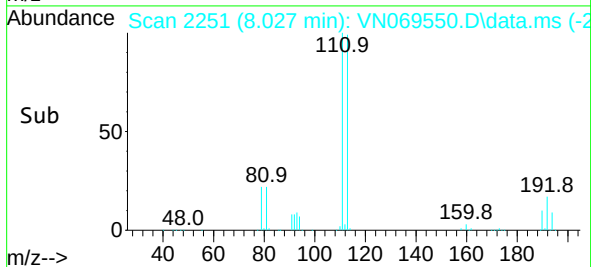
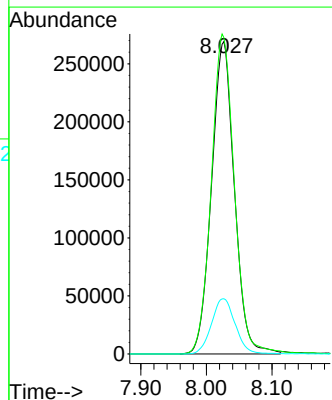
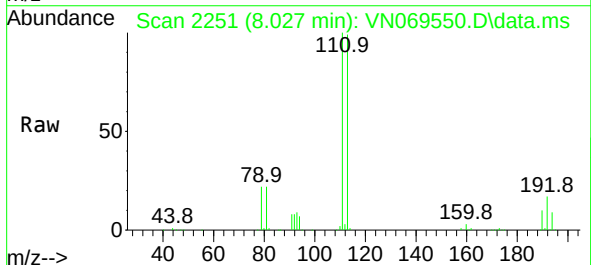


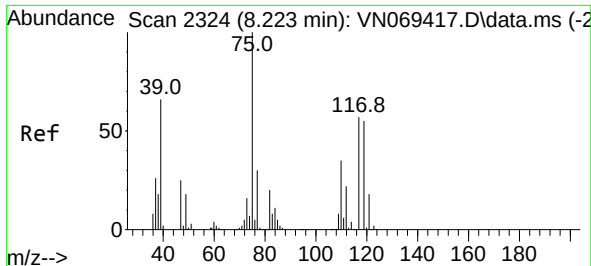
Tgt Ion:114 Resp: 2220605
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 15.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.831 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

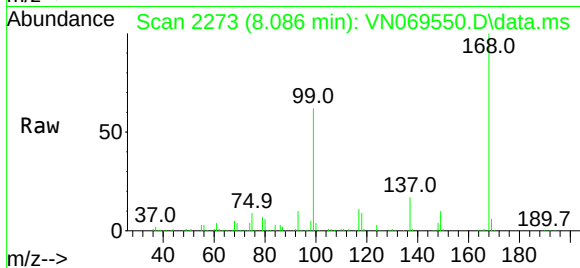
Tgt Ion:113 Resp: 650343
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.4 16.9 25.3



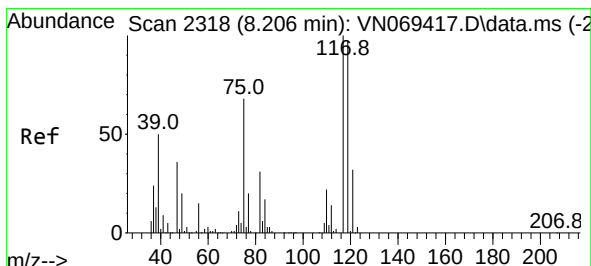
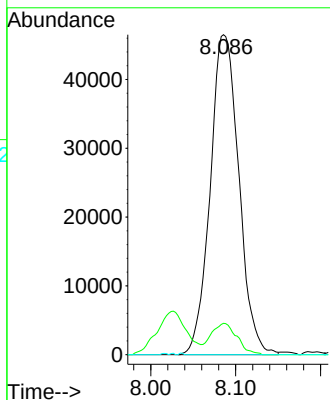
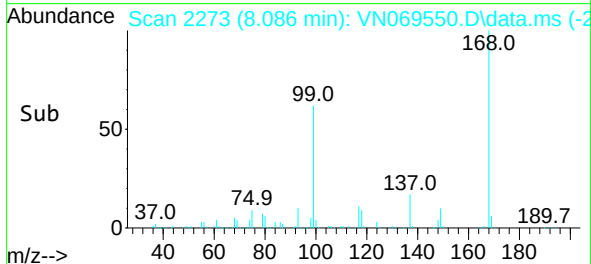


#36
 1,1-Dichloropropene
 Concen: 5.831 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN069550.D
 Acq: 18 Nov 2021 14:00

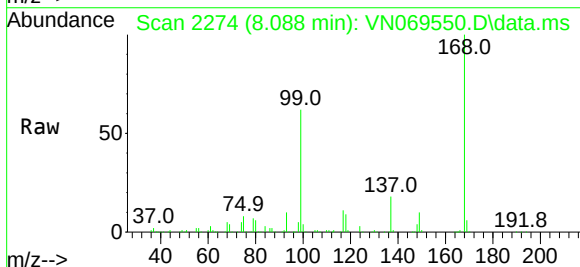
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 ClientSampleId :



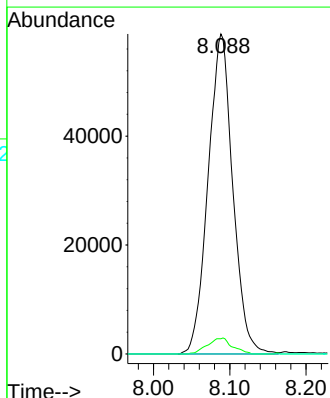
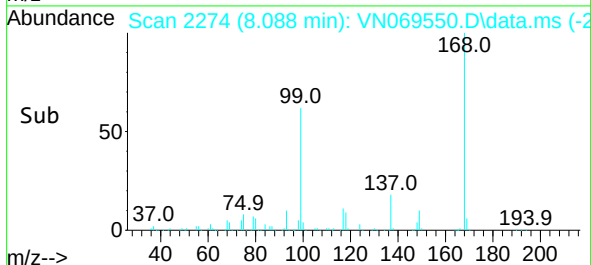
Tgt Ion: 75 Resp: 108961
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 24.4 36.6#

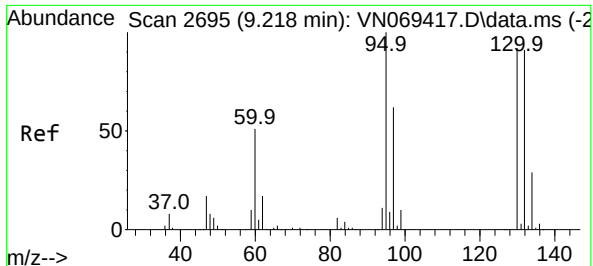


#38
 Carbon Tetrachloride
 Concen: 7.324 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN069550.D
 Acq: 18 Nov 2021 14:00



Tgt Ion: 117 Resp: 132126
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.1 114.1#
 121 0.0 24.2 36.2#

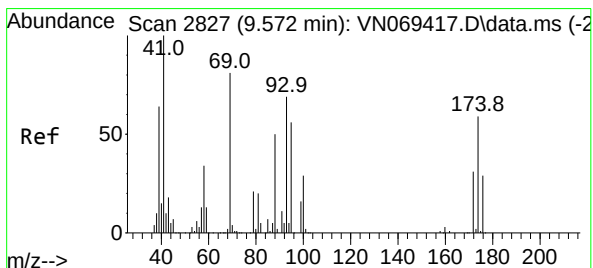
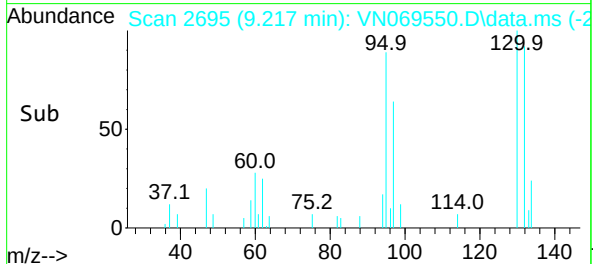
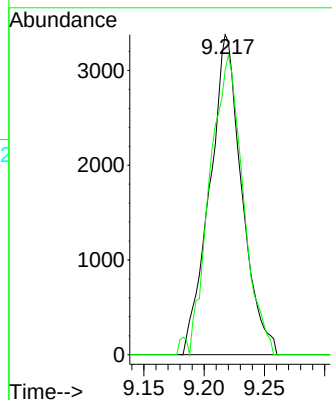
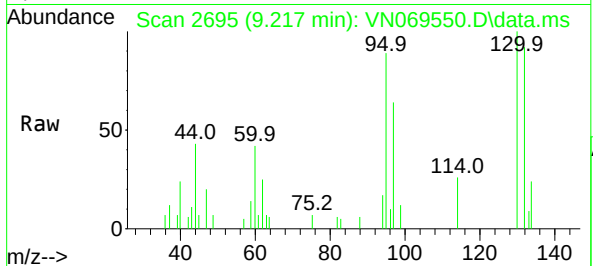




#44
Trichloroethene
Concen: 0.453 ug/l
RT: 9.217 min Scan# 2719
Delta R.T. -0.001 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

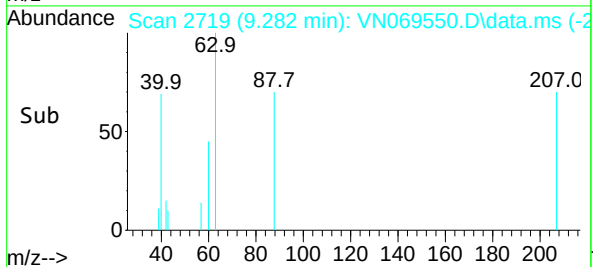
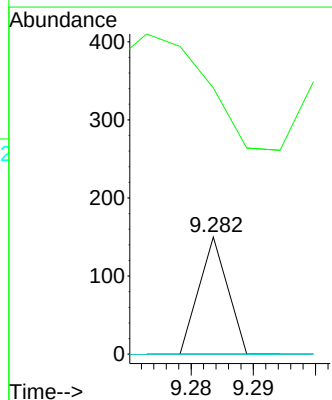
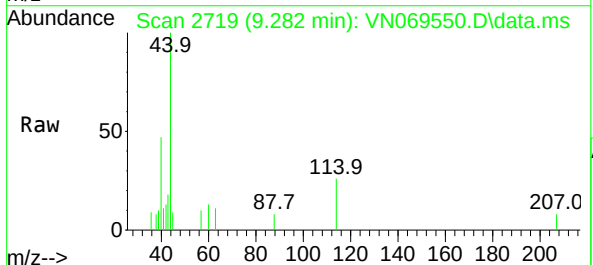
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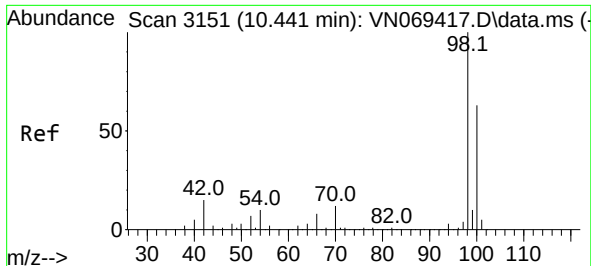
Tgt Ion:130 Resp: 6257
Ion Ratio Lower Upper
130 100
95 88.8 0.0 191.2



#49
1,4-Dioxane
Concen: 39.120 ug/l
RT: 9.282 min Scan# 2719
Delta R.T. -0.290 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

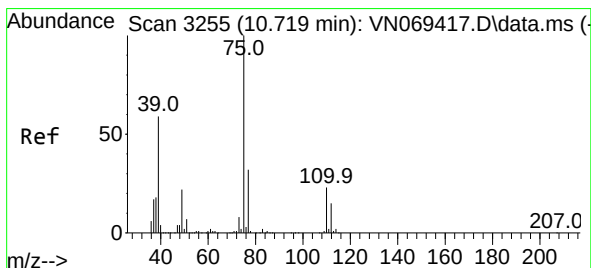
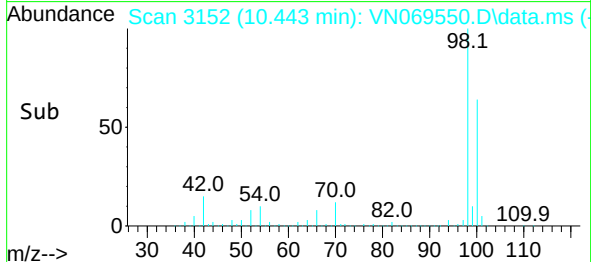
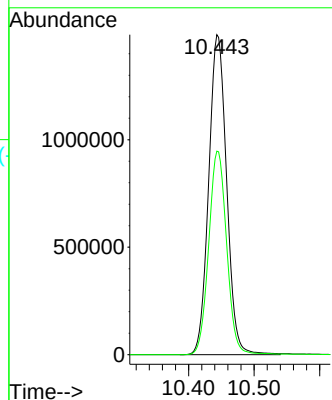
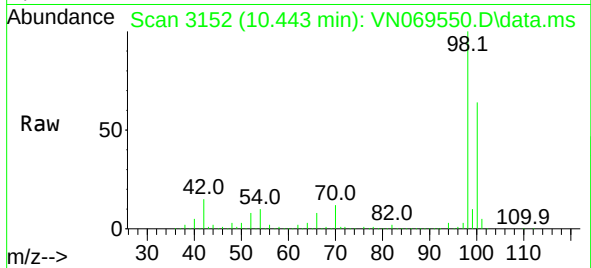




#50
Toluene-d8
Concen: 53.956 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

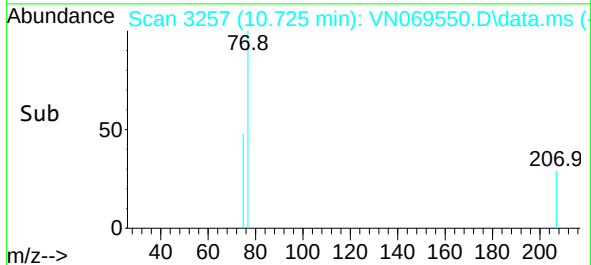
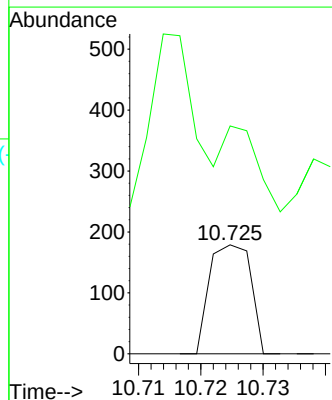
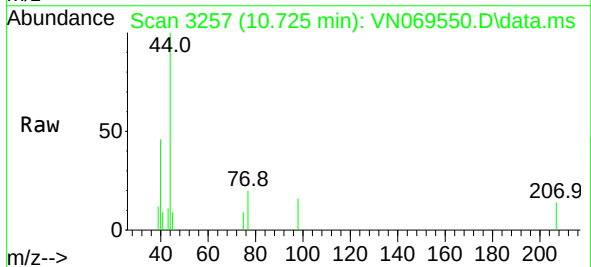
Instrument :
MSVOA_N
ClientSampleId :

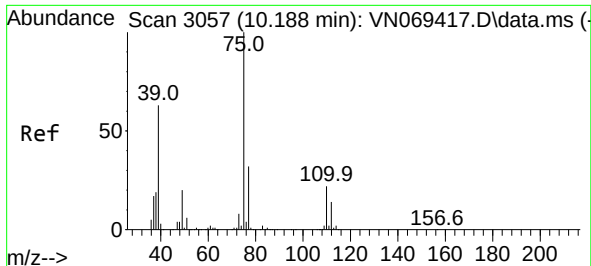
Tgt Ion: 98 Resp: 2826239
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.641 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

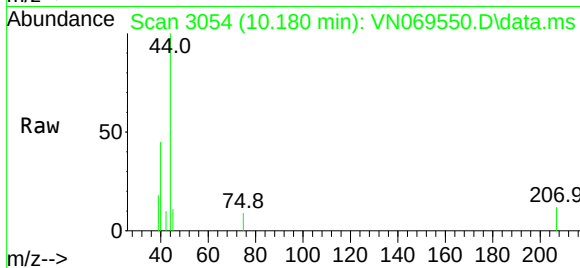
Tgt Ion: 75 Resp: 82
Ion Ratio Lower Upper
75 100
77 78.8 25.6 38.4#



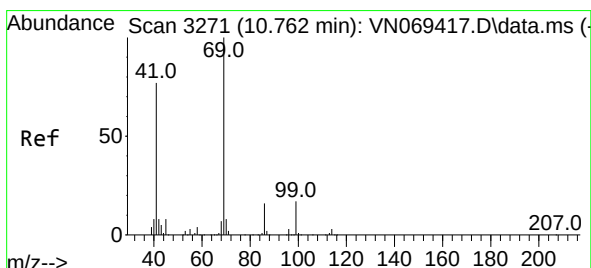
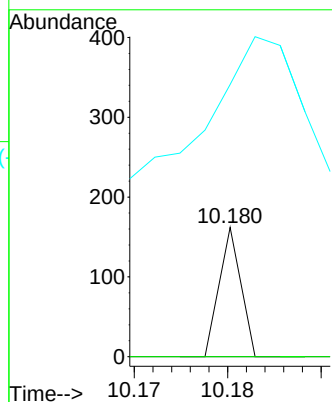
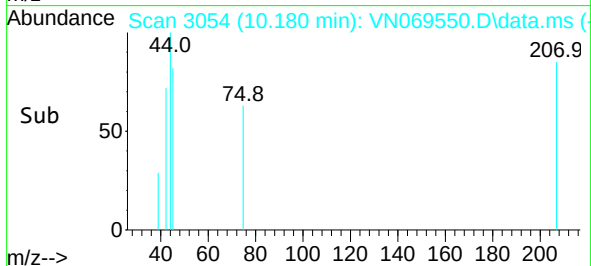


#54
 cis-1,3-Dichloropropene
 Concen: 1.734 ug/l
 RT: 10.180 min Scan# 3054
 Delta R.T. -0.008 min
 Lab File: VN069550.D
 Acq: 18 Nov 2021 14:00

Instrument :
 MSVOA_N
 ClientSampleId :

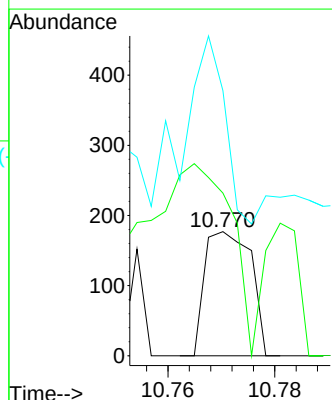
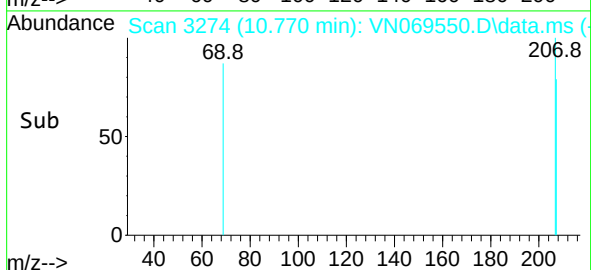
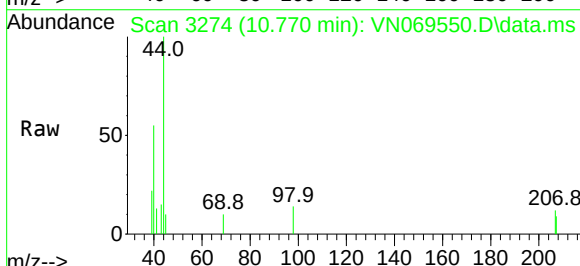


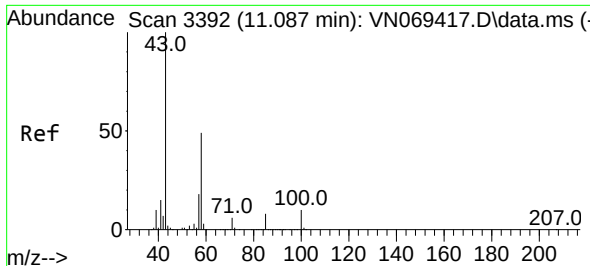
Tgt Ion: 75 Resp: 26
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 53.1 42.5 63.7



#56
 Ethyl methacrylate
 Concen: 2.057 ug/l
 RT: 10.770 min Scan# 3274
 Delta R.T. 0.008 min
 Lab File: VN069550.D
 Acq: 18 Nov 2021 14:00

Tgt Ion: 69 Resp: 106
 Ion Ratio Lower Upper
 69 100
 41 297.2 51.4 77.0#
 39 146.2 34.6 52.0#

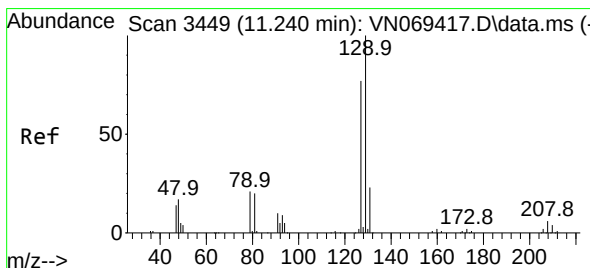
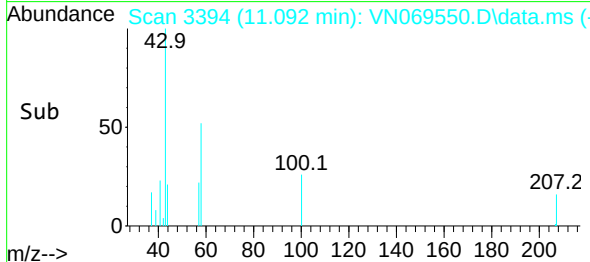
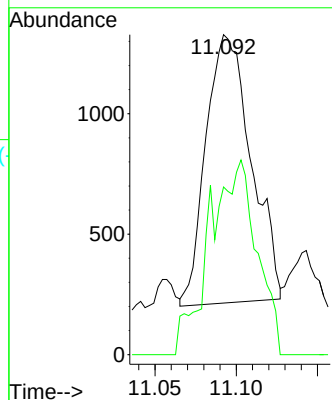
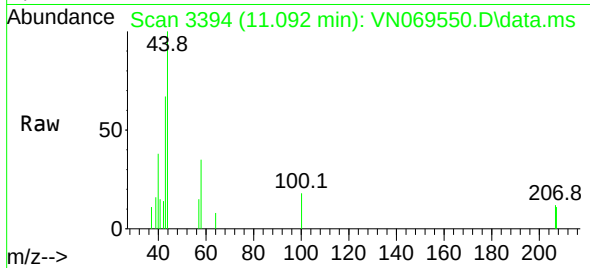




#59
2-Hexanone
Concen: 8.036 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

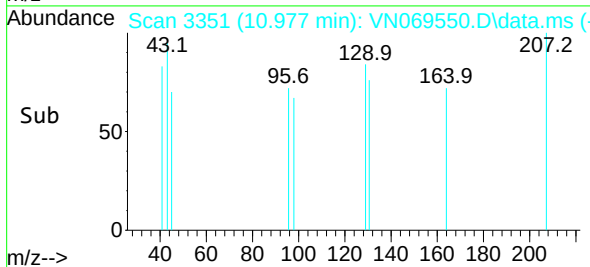
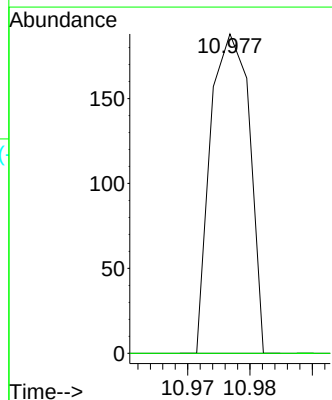
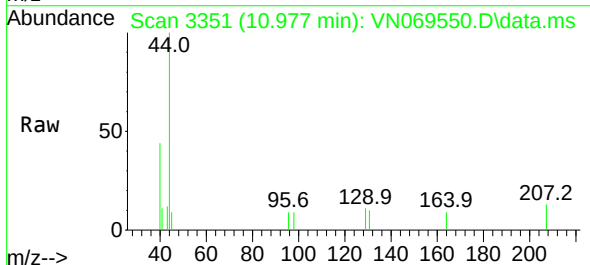
Instrument :
MSVOA_N
ClientSampleId :

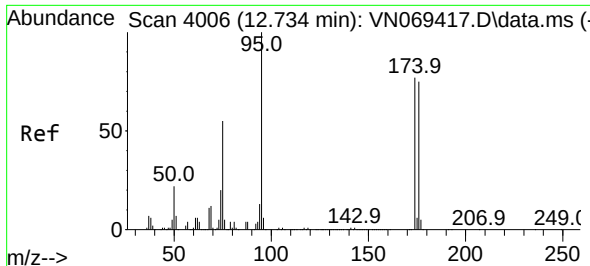
Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
58 20.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.422 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Tgt Ion: 129 Resp: 82
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

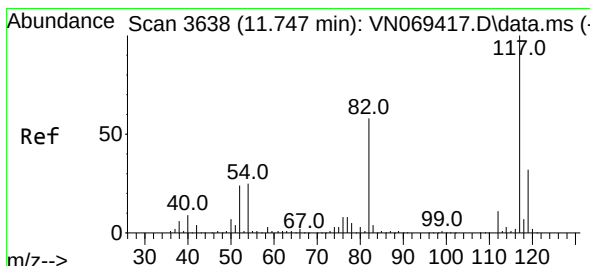
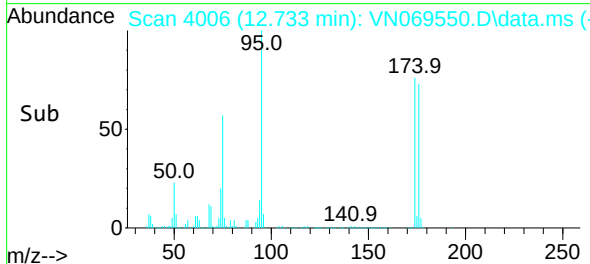
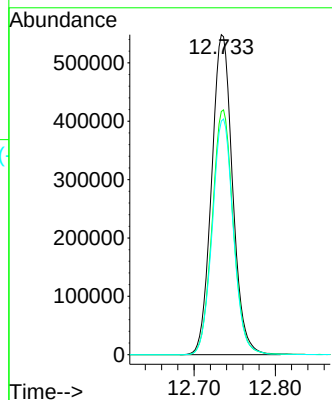
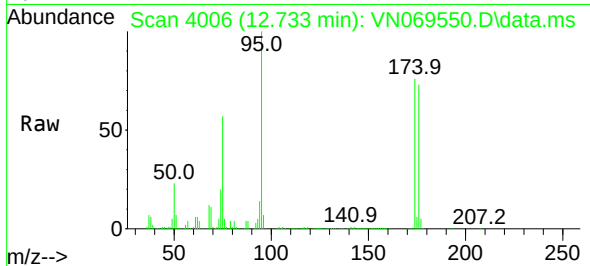




#62
4-Bromofluorobenzene
Concen: 51.247 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

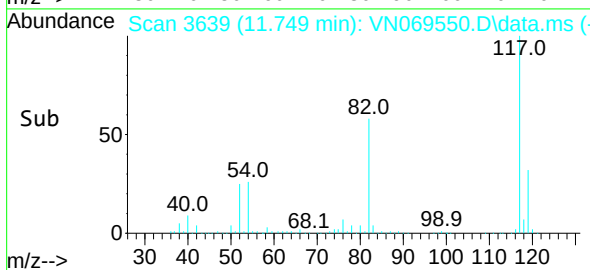
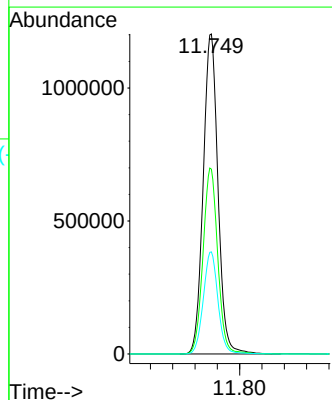
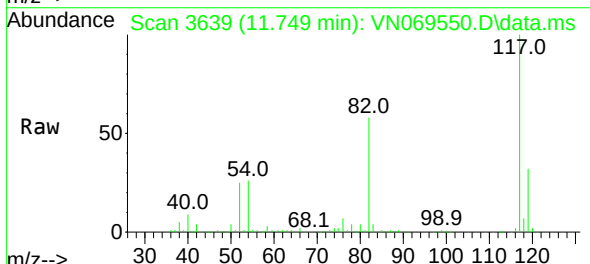
Instrument :
MSVOA_N
ClientSampleId :

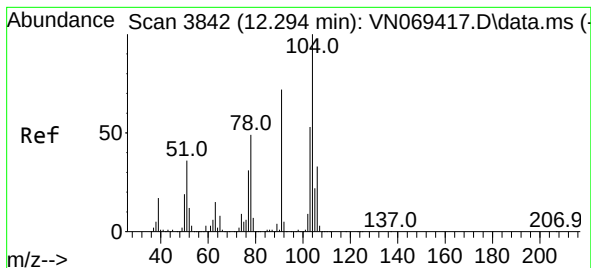
Tgt Ion: 95 Resp: 986127
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 73.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Tgt Ion: 117 Resp: 2214548
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 31.9 25.4 38.2





#70

Styrene

Concen: 1.522 ug/l

RT: 12.288 min Scan# 3840

Delta R.T. -0.006 min

Lab File: VN069550.D

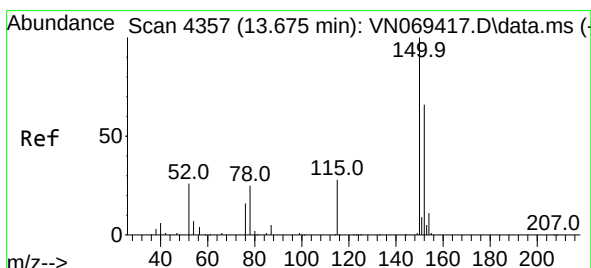
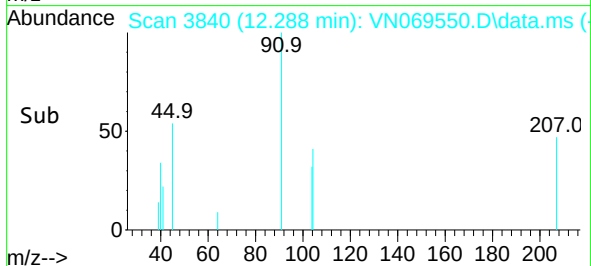
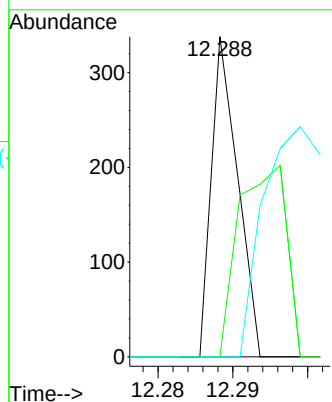
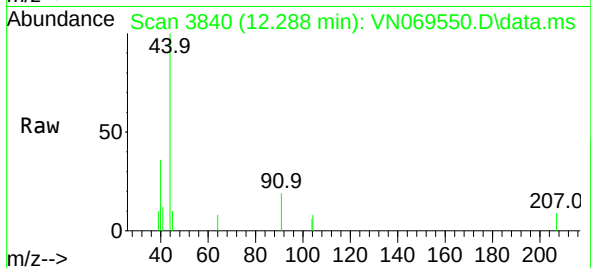
Acq: 18 Nov 2021 14:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:104	Resp:	82
Ion Ratio	Lower	Upper
104	100	
78	0.0	38.7 58.1#
103	0.0	45.0 67.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

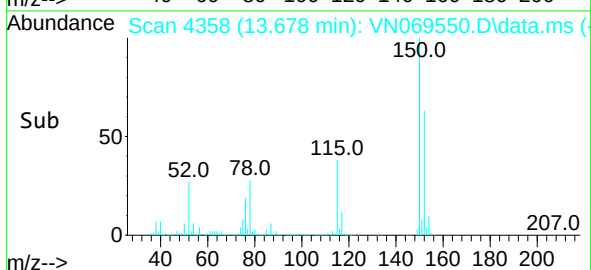
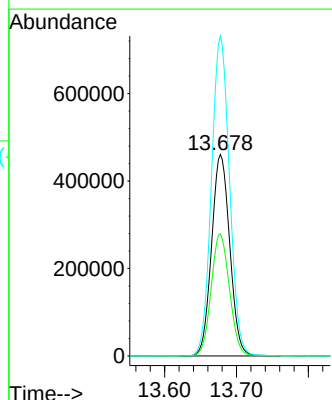
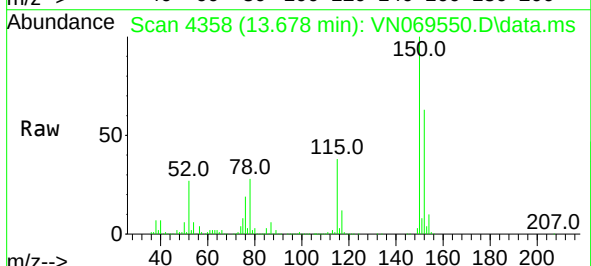
RT: 13.678 min Scan# 4358

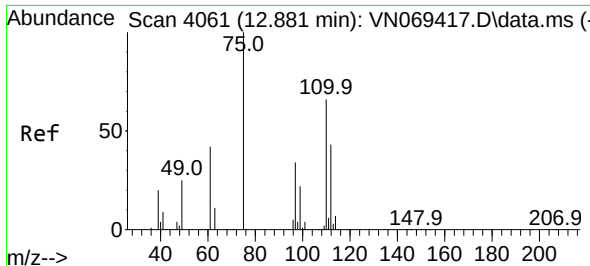
Delta R.T. 0.003 min

Lab File: VN069550.D

Acq: 18 Nov 2021 14:00

Tgt Ion:152	Resp:	809459
Ion Ratio	Lower	Upper
152	100	
115	61.2	27.5 82.5
150	157.3	0.0 344.4

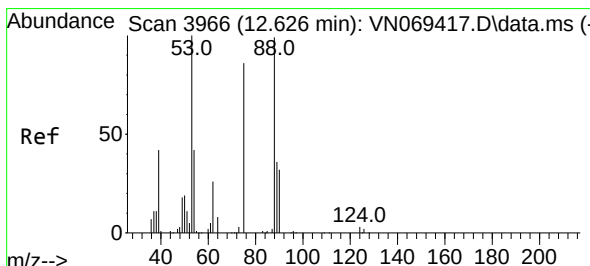
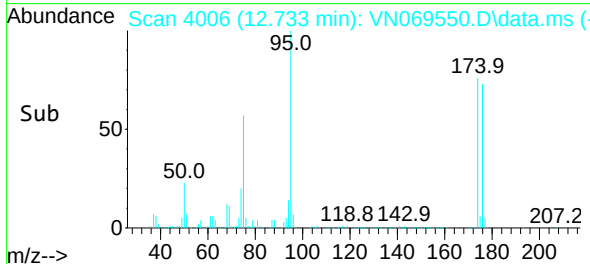
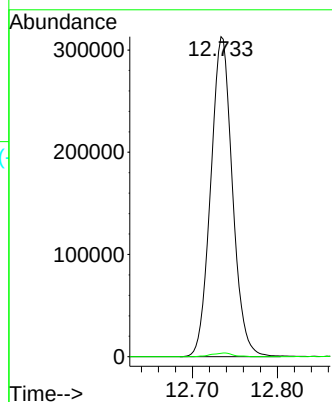
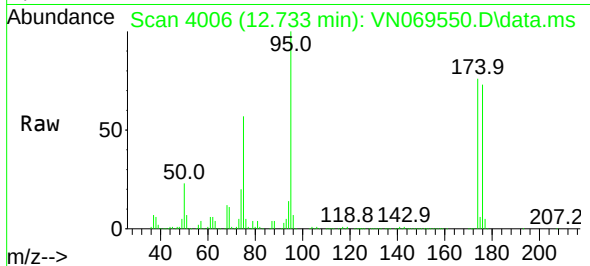




#76
1,2,3-Trichloropropane
Concen: 29.762 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

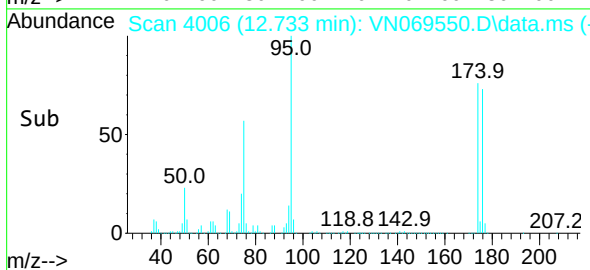
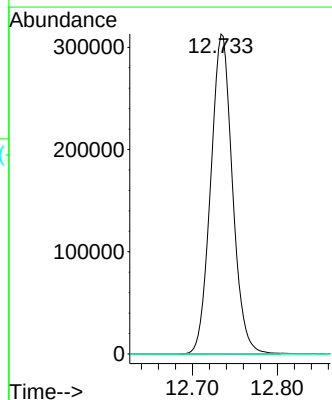
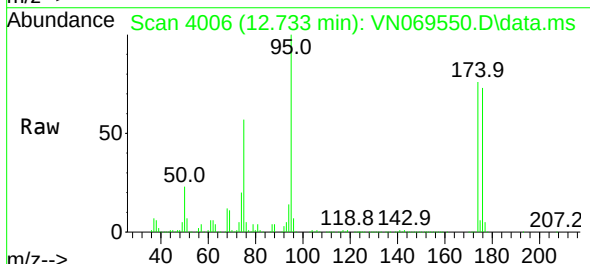
Instrument :
MSVOA_N
ClientSampleId :

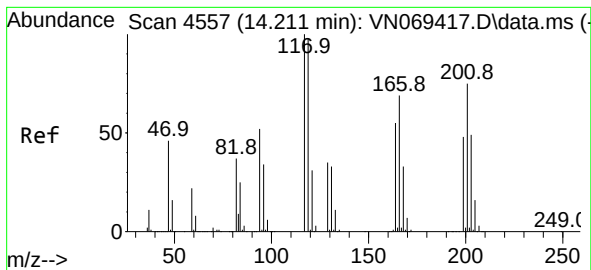
Tgt Ion: 75 Resp: 555975
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.126 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

Tgt Ion: 75 Resp: 555975
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#90

Hexachloroethane

Concen: 2.165 ug/l

RT: 14.294 min Scan# 41

Delta R.T. 0.083 min

Lab File: VN069550.D

Acq: 18 Nov 2021 14:00

Instrument :

MSVOA_N

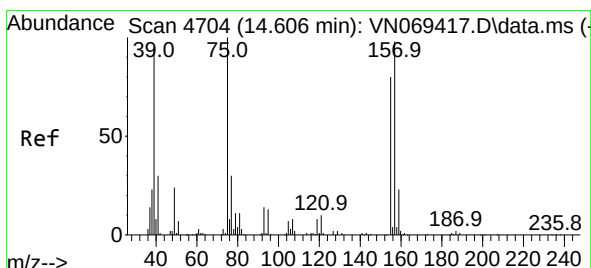
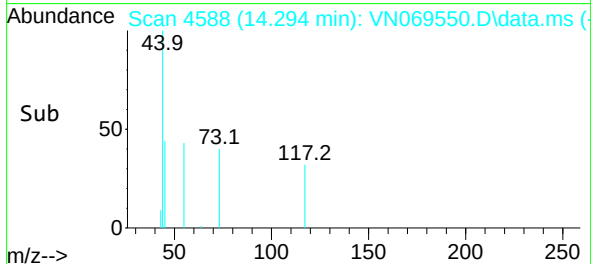
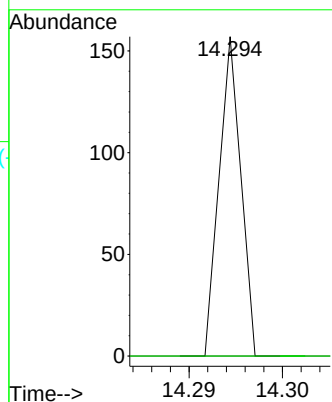
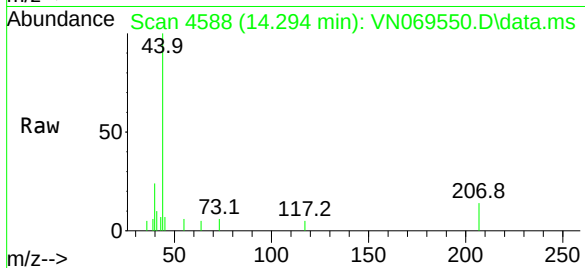
ClientSampleId :

Tgt Ion:117 Resp: 25

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.809 ug/l

RT: 14.576 min Scan# 4693

Delta R.T. -0.030 min

Lab File: VN069550.D

Acq: 18 Nov 2021 14:00

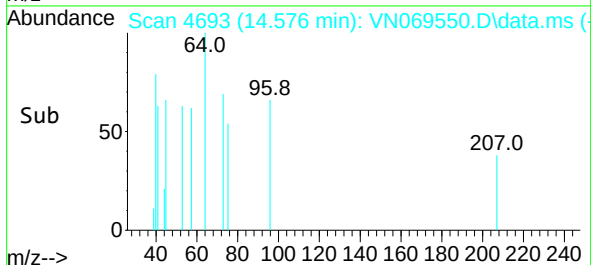
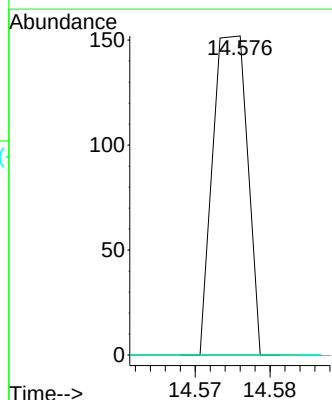
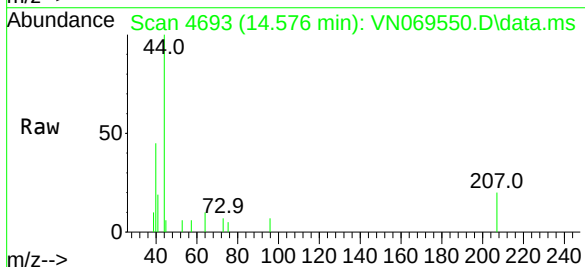
Tgt Ion: 75 Resp: 49

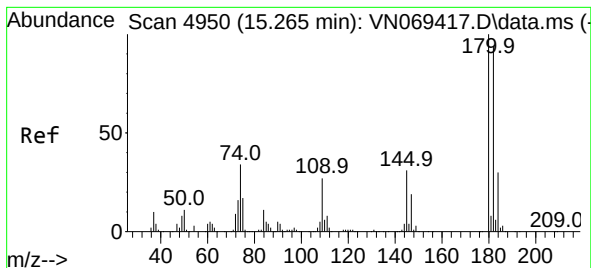
Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

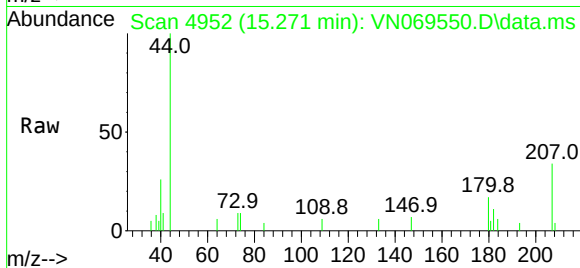
157 0.0 60.6 181.7#



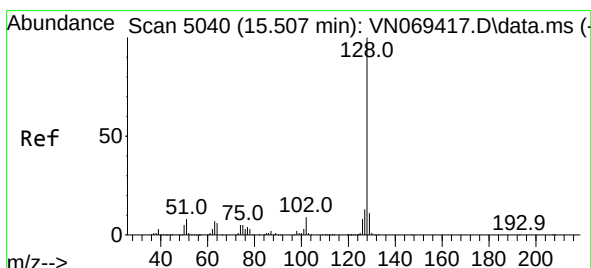
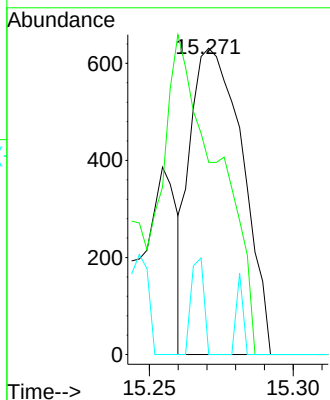
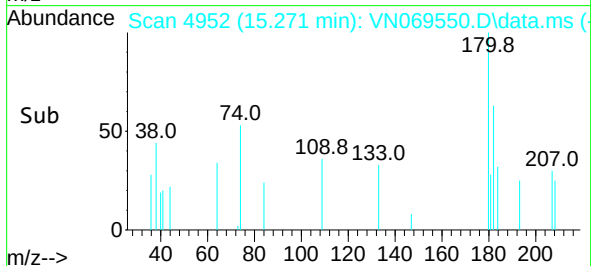


#93
1,2,4-Trichlorobenzene
Concen: 3.172 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.006 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00

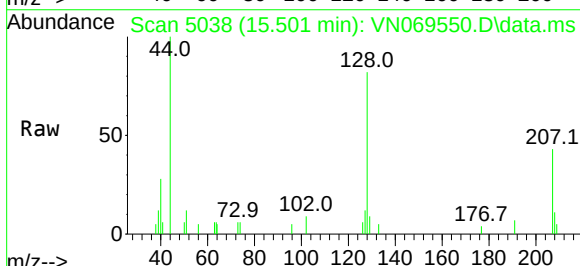
Instrument :
MSVOA_N
ClientSampleId :



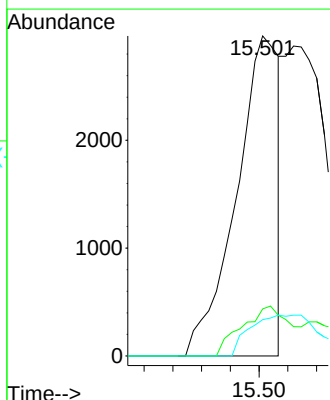
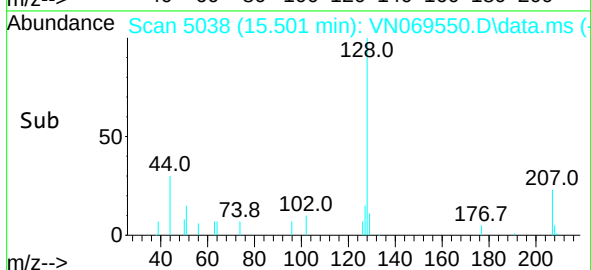
Tgt Ion:180 Resp: 799
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 7.6 14.5 43.5#

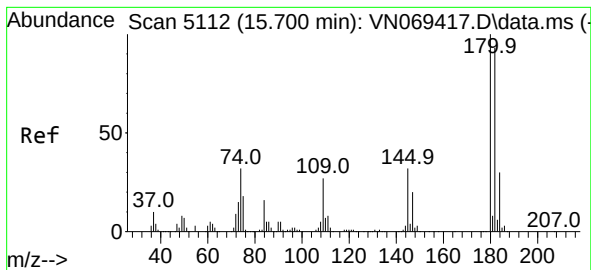


#95
Naphthalene
Concen: 4.528 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069550.D
Acq: 18 Nov 2021 14:00



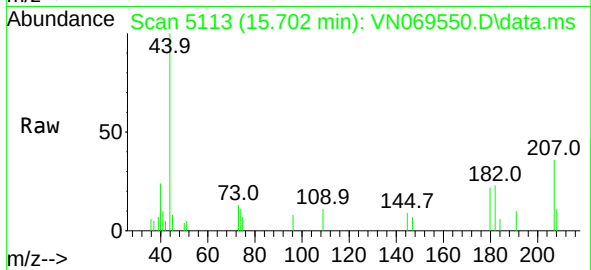
Tgt Ion:128 Resp: 3045
Ion Ratio Lower Upper
128 100
127 18.1 10.5 15.7#
129 20.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.278 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.002 min
 Lab File: VN069550.D
 Acq: 18 Nov 2021 14:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1410
Ion	Ratio	Lower	Upper
180	100		
182	85.7	47.4	142.2
145	19.0	15.0	45.1

