

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084951.D
 Acq On : 19 Nov 2024 16:52
 Operator : JC\MD
 Sample : P4845-20RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

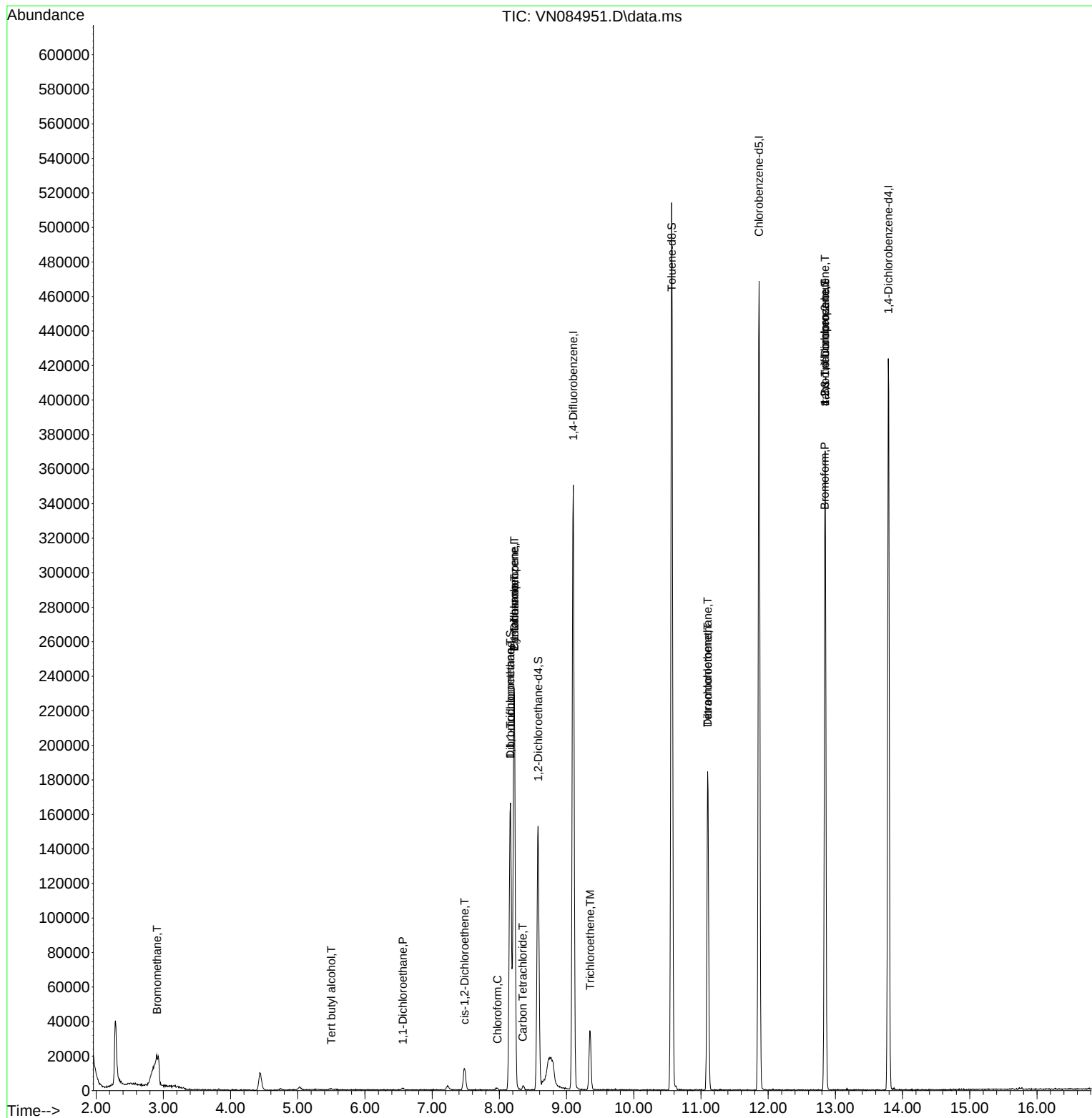
Quant Time: Nov 20 00:31:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124632	52.373	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.740%	
35) Dibromofluoromethane	8.165	113	100118	48.820	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.640%	
50) Toluene-d8	10.565	98	348683	46.156	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.320%	
62) 4-Bromofluorobenzene	12.847	95	128826	45.629	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.260%	
Target Compounds						Qvalue
3) Chloromethane	2.371	50	750	Below Cal	#	41
5) Bromomethane	2.906	94	296	0.274	ug/l #	4
6) Chloroethane	3.101	64	515	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	234	0.745	ug/l #	73
16) Acetone	4.436	43	1371	Below Cal		99
18) Methyl Acetate	5.024	43	3665	Below Cal	#	78
24) 1,1-Dichloroethane	6.565	63	1890	0.521	ug/l #	83
27) cis-1,2-Dichloroethene	7.483	96	7815	3.474	ug/l	91
30) Chloroform	7.971	83	1309	0.354	ug/l #	71
31) Cyclohexane	8.224	56	3860	1.175	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	23575	7.011	ug/l	97
36) 1,1-Dichloropropene	8.224	75	14524	5.107	ug/l #	50
38) Carbon Tetrachloride	8.347	117	1959	0.616	ug/l #	81
44) Trichloroethene	9.353	130	13508	6.412	ug/l	78
60) Dibromochloromethane	11.100	129	41296	18.007	ug/l #	11
64) Tetrachloroethene	11.100	164	42179	23.809	ug/l	97
71) Bromoform	12.841	173	322	0.206	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	69067	31.088	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69067	73.753	ug/l #	11

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

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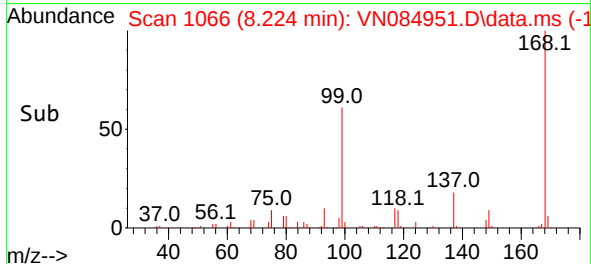
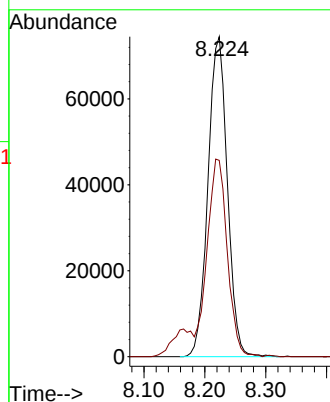
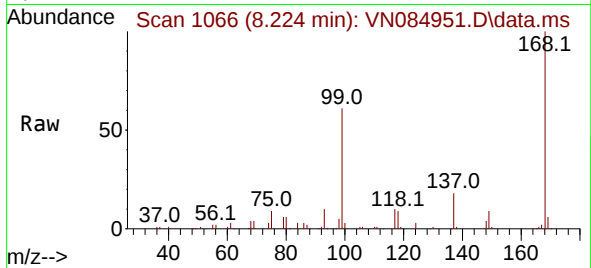




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

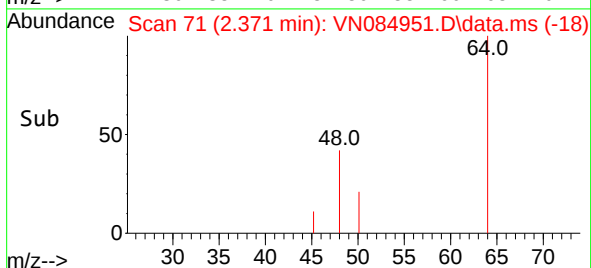
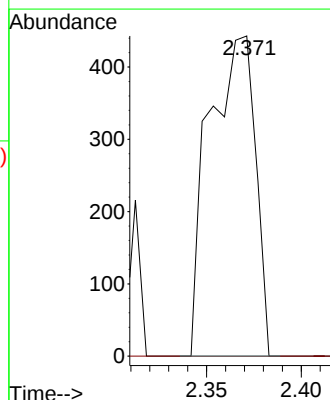
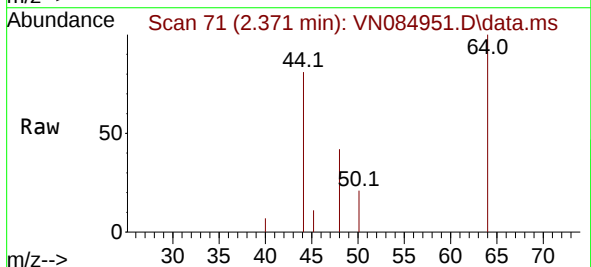
Instrument :
MSVOA_N
ClientSampleId :

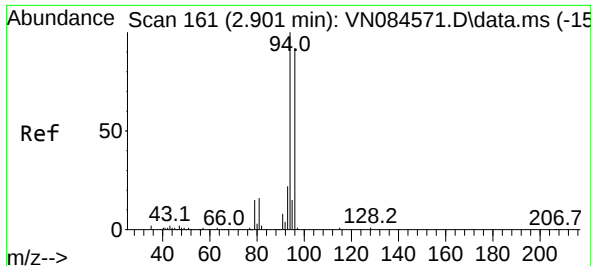
Tgt Ion:168 Resp: 164761
Ion Ratio Lower Upper
168 100
99 61.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

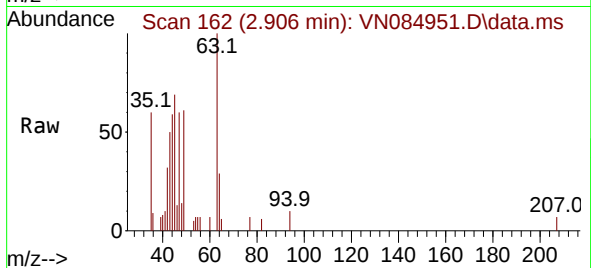
Tgt Ion: 50 Resp: 750
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



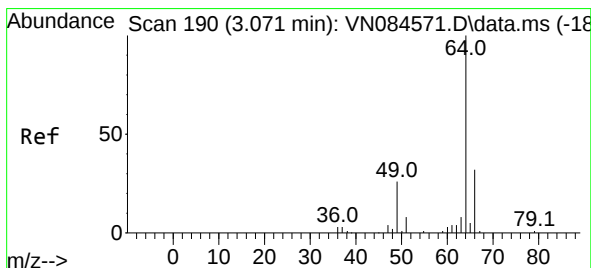
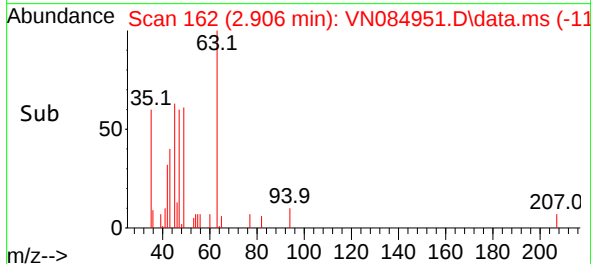
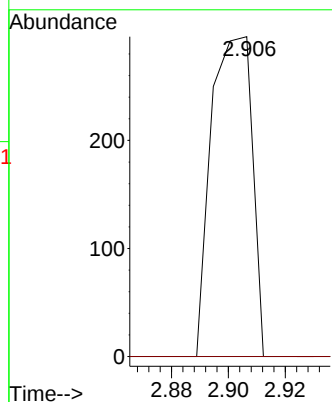


#5
Bromomethane
Concen: 0.274 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

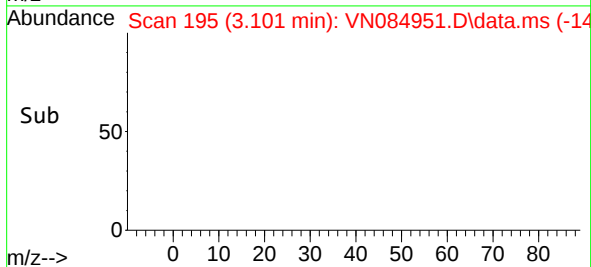
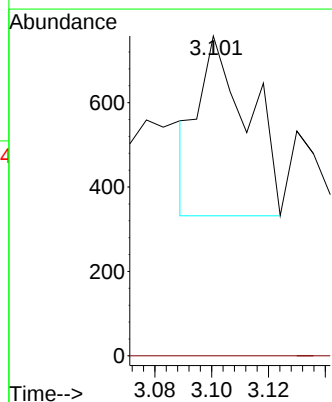
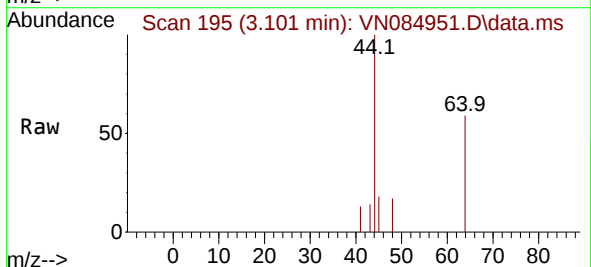


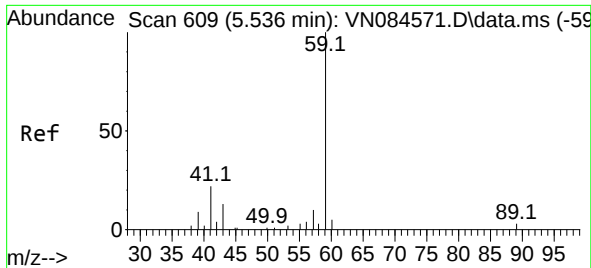
Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion: 64 Resp: 515
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

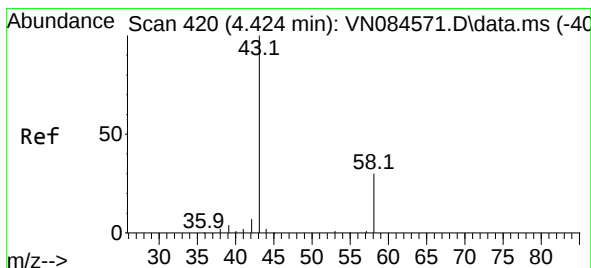
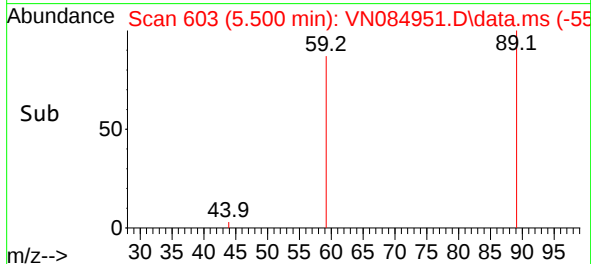
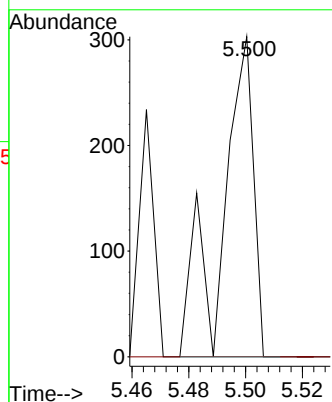
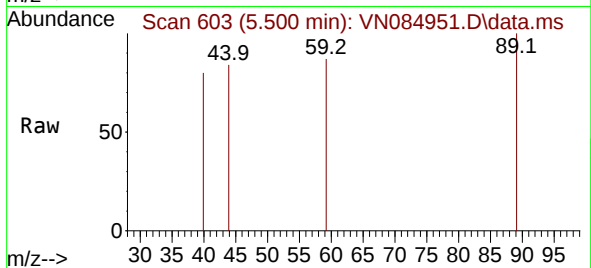




#11
Tert butyl alcohol
Concen: 0.745 ug/l
RT: 5.500 min Scan# 609
Delta R.T. -0.023 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

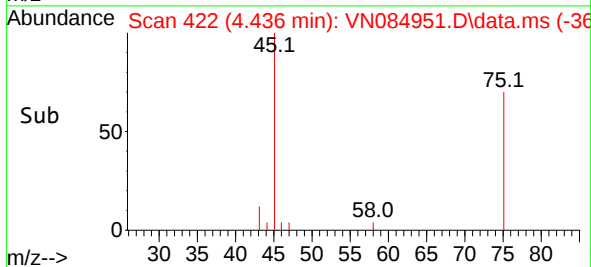
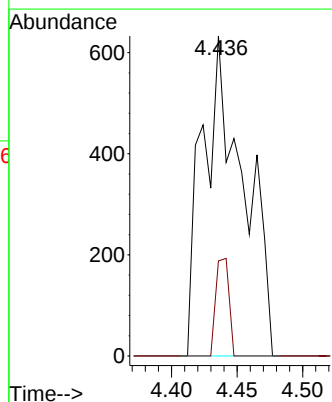
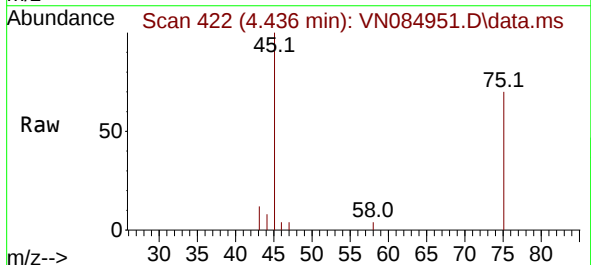
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 234
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
58 29.7 24.4 36.6





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

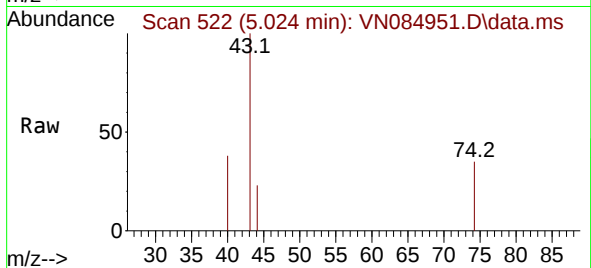
Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

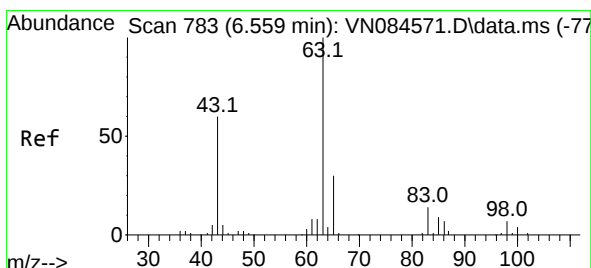
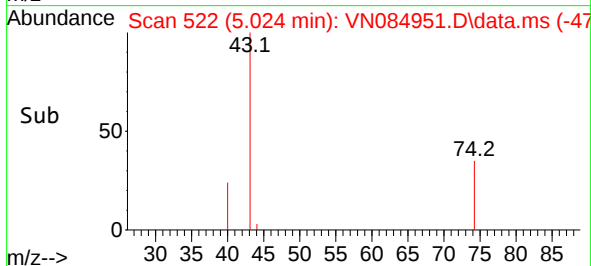
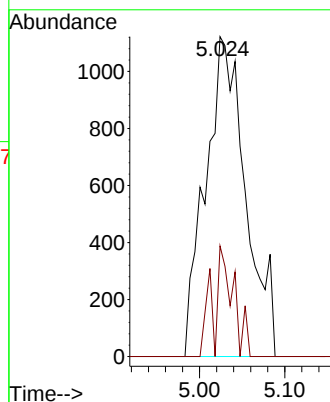


Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

43 100

74 13.1 19.2 28.8#



#24

1,1-Dichloroethane

Concen: 0.521 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

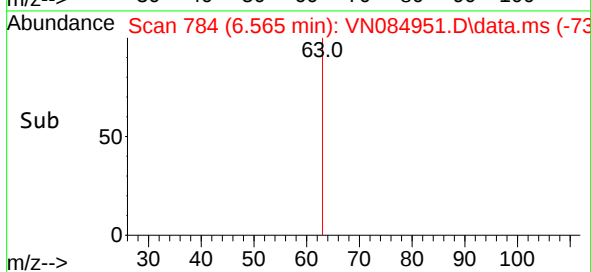
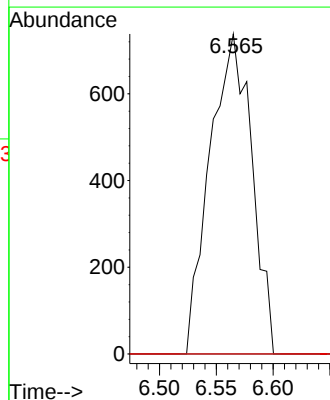
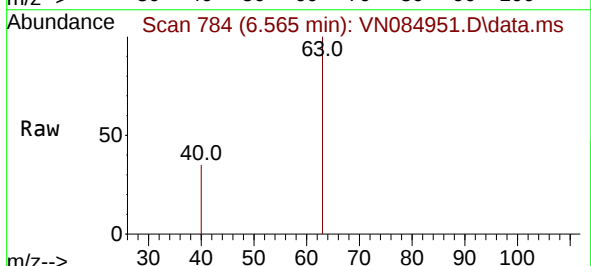
Tgt Ion: 63 Resp: 1890

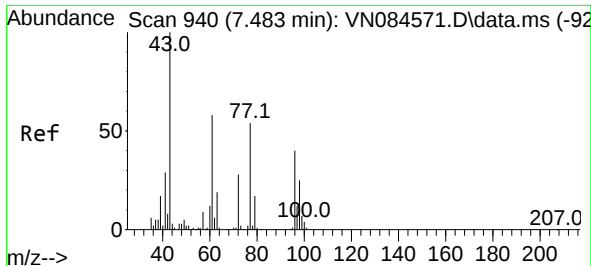
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.0 5.8#

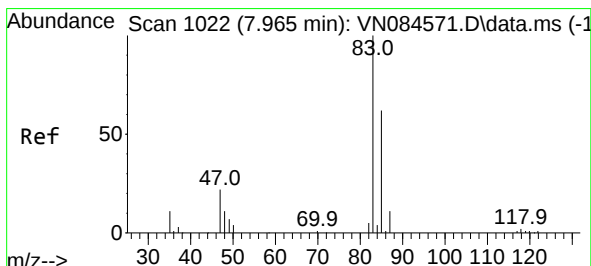
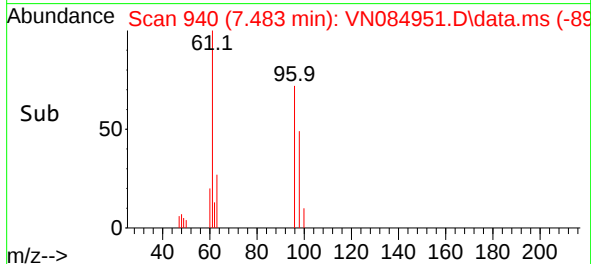
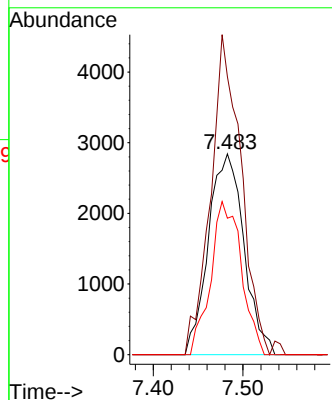
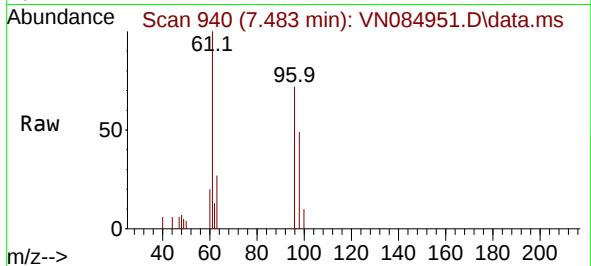




#27
 cis-1,2-Dichloroethene
 Concen: 3.474 ug/l
 RT: 7.483 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN084951.D
 Acq: 19 Nov 2024 16:52

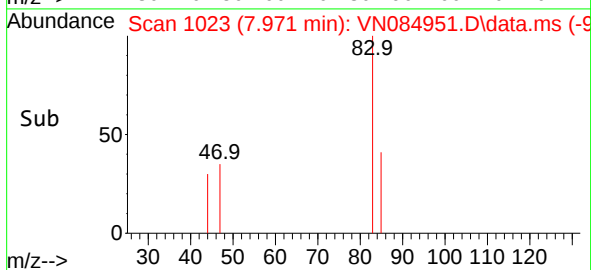
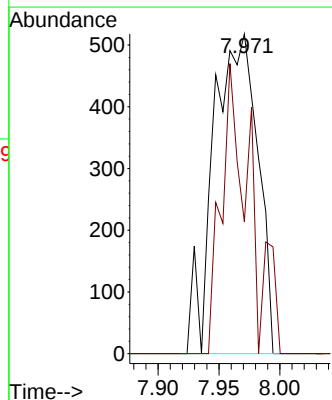
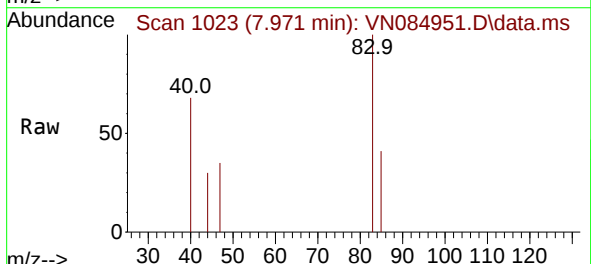
Instrument :
 MSVOA_N
 ClientSampleId :

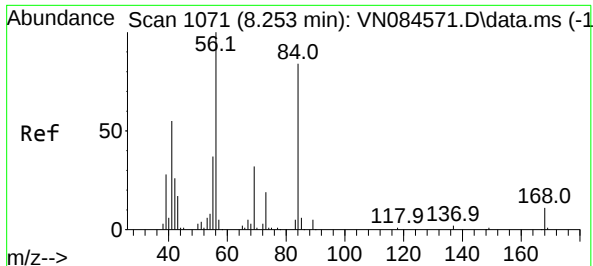
Tgt Ion: 96 Resp: 7815
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 301.8
 98 65.9 0.0 128.2



#30
 Chloroform
 Concen: 0.354 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.006 min
 Lab File: VN084951.D
 Acq: 19 Nov 2024 16:52

Tgt Ion: 83 Resp: 1309
 Ion Ratio Lower Upper
 83 100
 85 41.3 51.0 76.4#





#31

Cyclohexane

Concen: 1.175 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

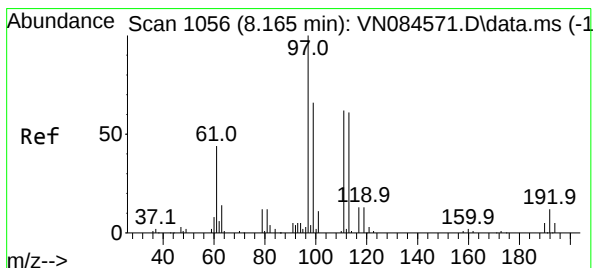
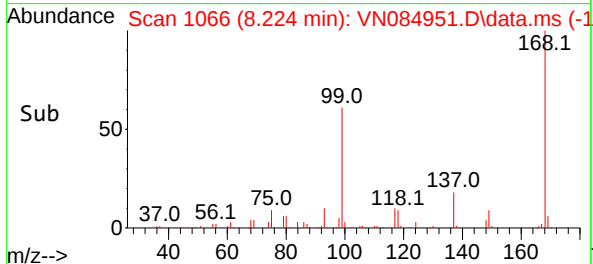
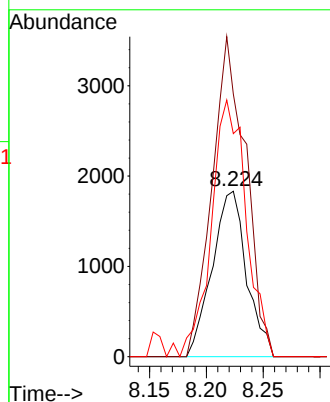
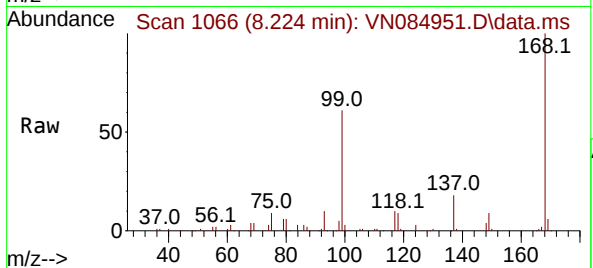
Tgt Ion: 56 Resp: 3860

Ion Ratio Lower Upper

56 100

69 158.7 23.8 35.6#

84 134.8 68.8 103.2#



#32

1,1,1-Trichloroethane

Concen: 7.011 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

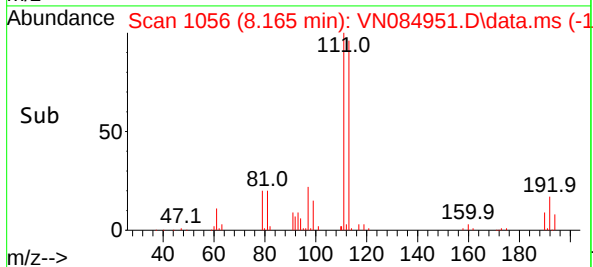
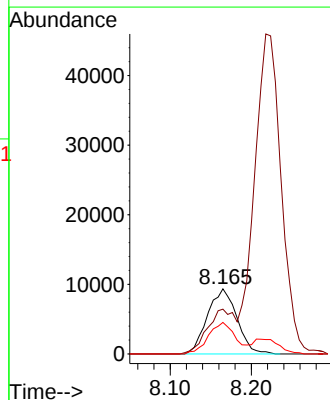
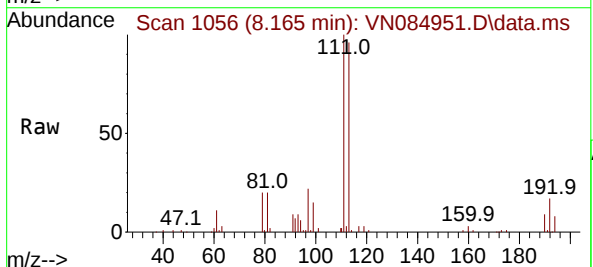
Tgt Ion: 97 Resp: 23575

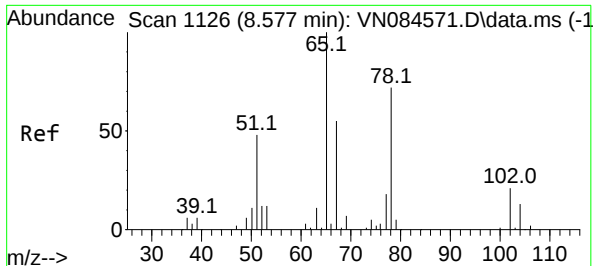
Ion Ratio Lower Upper

97 100

99 65.2 51.2 76.8

61 44.2 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 52.373 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

Instrument :

MSVOA_N

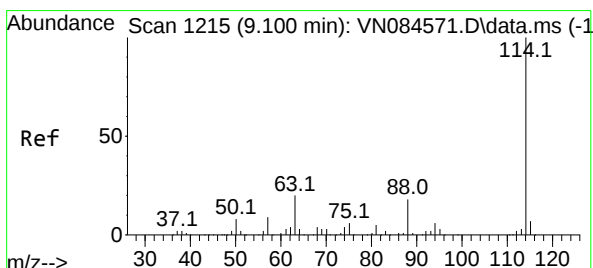
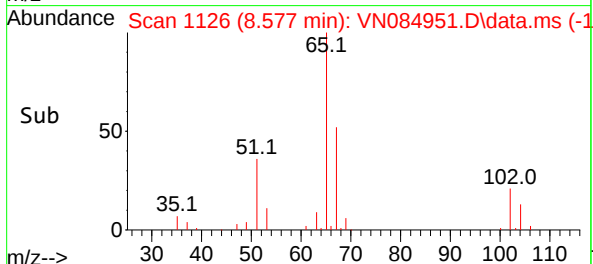
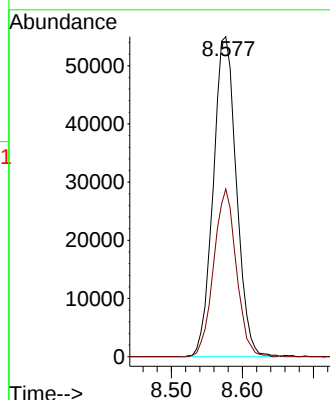
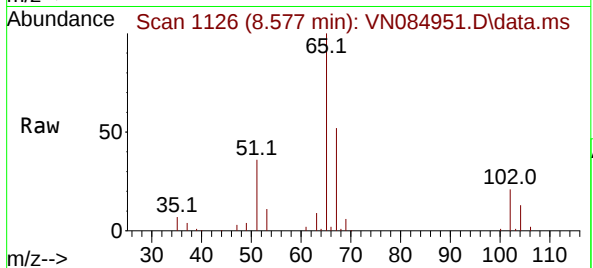
ClientSampleId :

Tgt Ion: 65 Resp: 124632

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

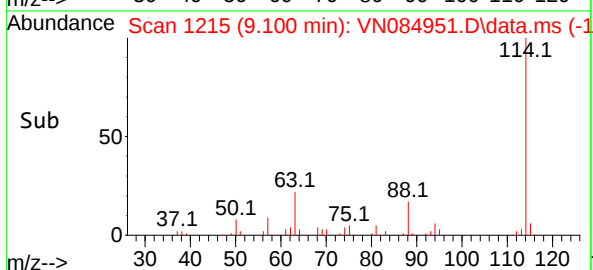
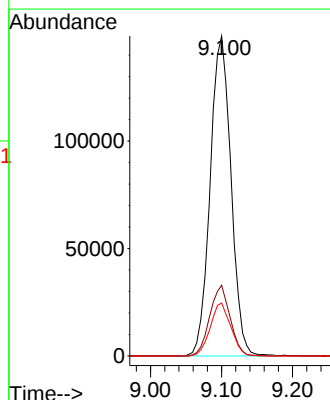
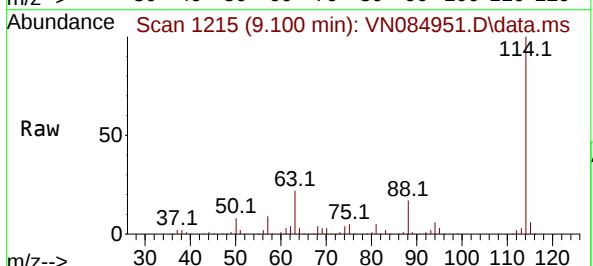
Tgt Ion: 114 Resp: 302975

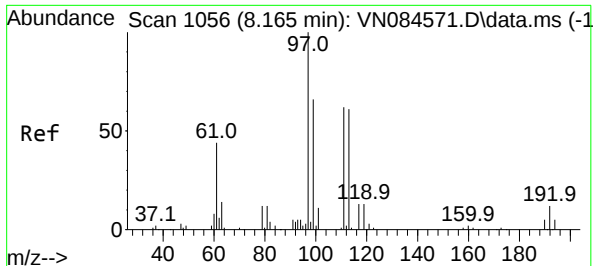
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.820 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

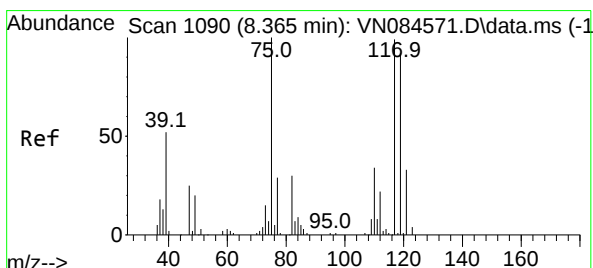
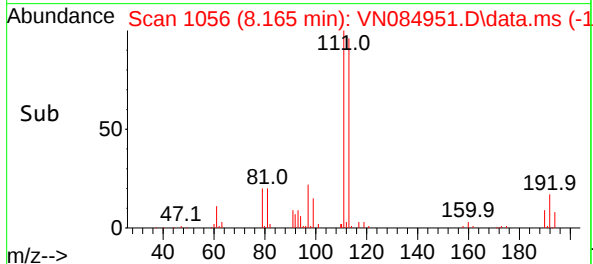
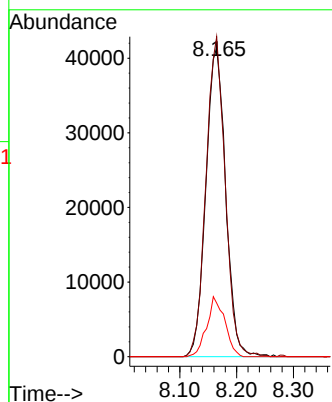
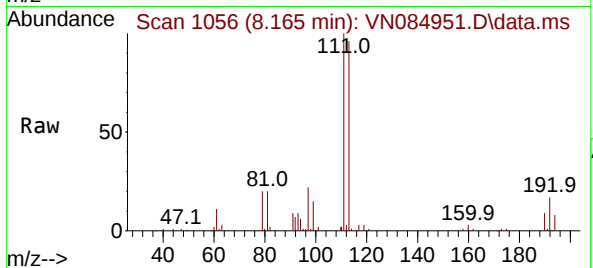
Tgt Ion:113 Resp: 100118

Ion Ratio Lower Upper

113 100

111 100.5 83.3 124.9

192 17.7 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.107 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

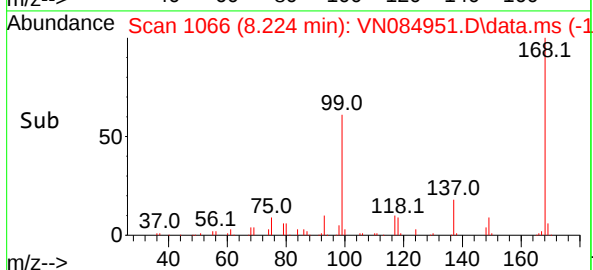
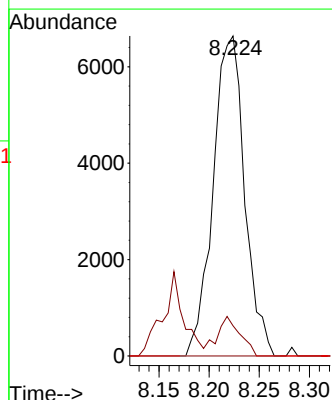
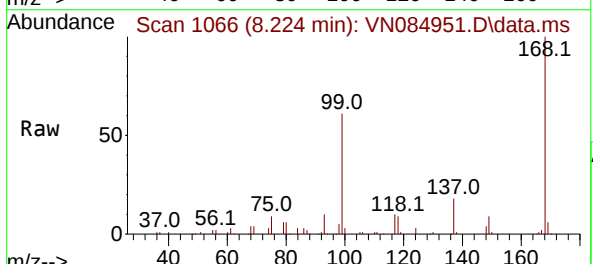
Tgt Ion: 75 Resp: 14524

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

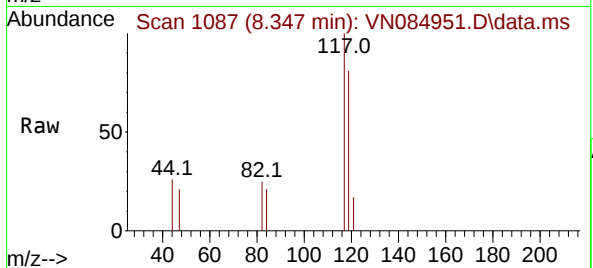
77 0.0 24.7 37.1#



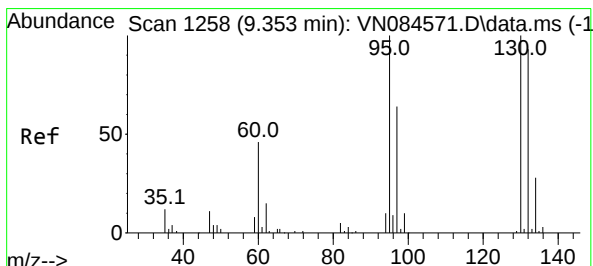
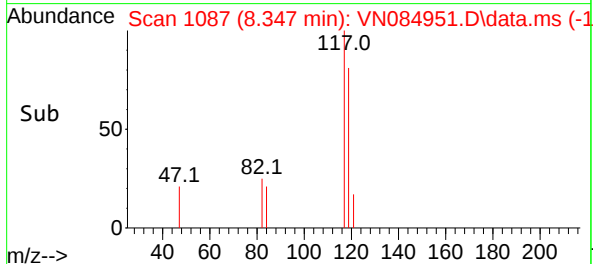
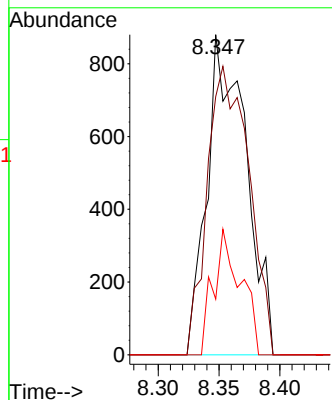


#38
Carbon Tetrachloride
Concen: 0.616 ug/l
RT: 8.347 min Scan# 117
Delta R.T. -0.012 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

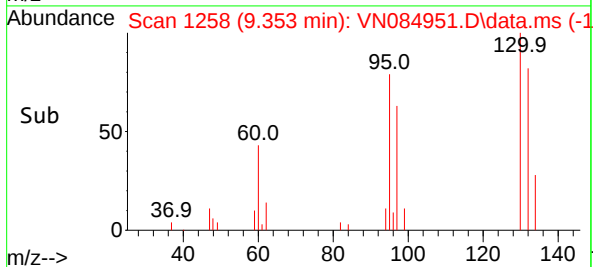
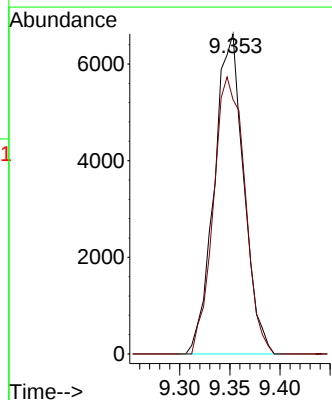
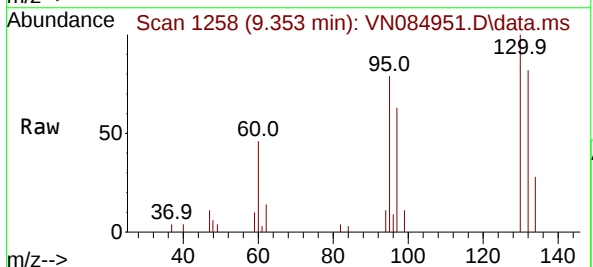


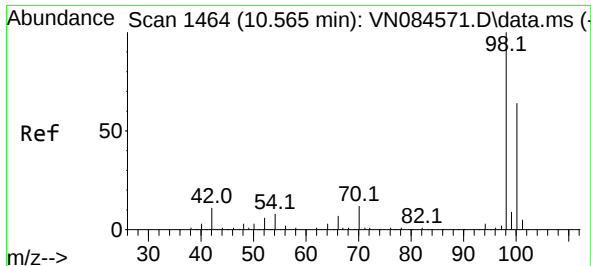
Tgt Ion:117 Resp: 1959
Ion Ratio Lower Upper
117 100
119 80.7 78.7 118.1
121 17.4 24.4 36.6#



#44
Trichloroethene
Concen: 6.412 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion:130 Resp: 13508
Ion Ratio Lower Upper
130 100
95 79.5 0.0 203.0

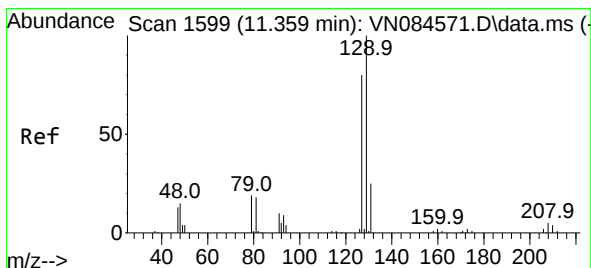
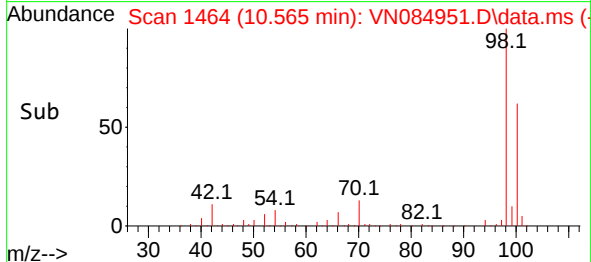
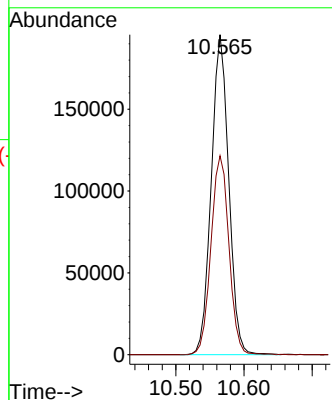
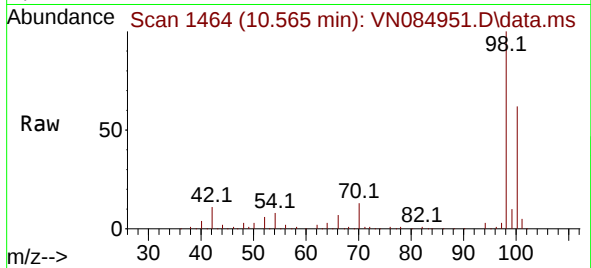




#50
Toluene-d8
Concen: 46.156 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

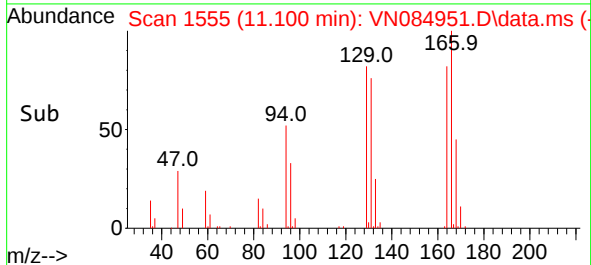
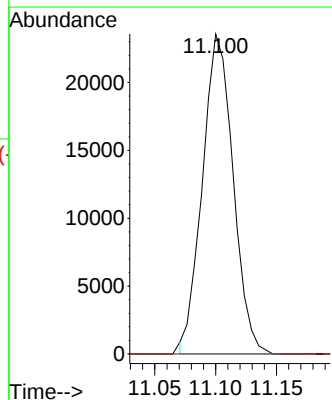
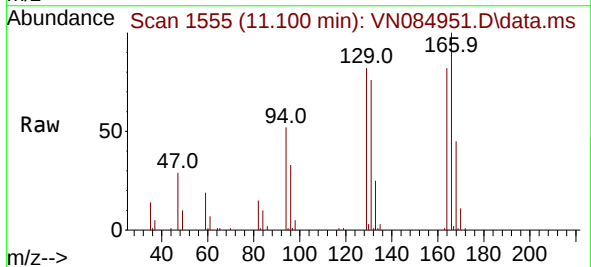
Instrument :
MSVOA_N
ClientSampleId :

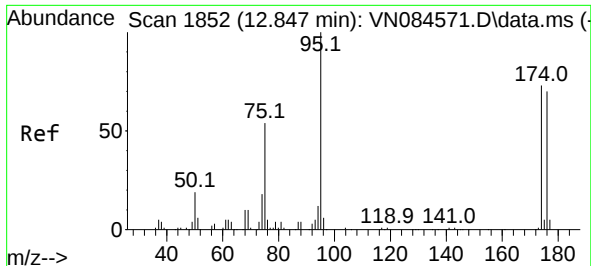
Tgt Ion: 98 Resp: 348683
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1



#60
Dibromochloromethane
Concen: 18.007 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion:129 Resp: 41296
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

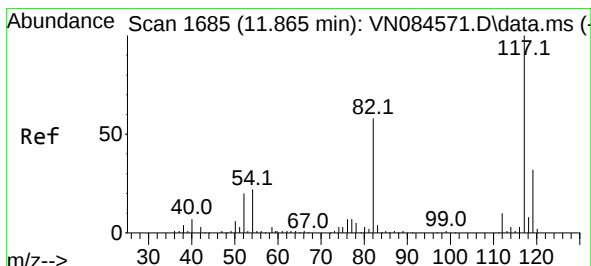
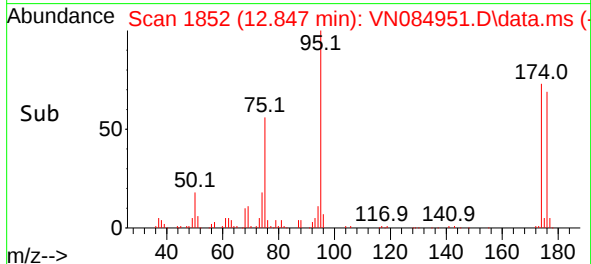
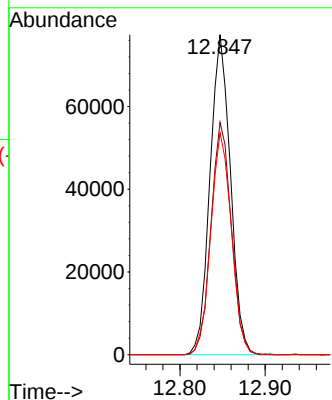
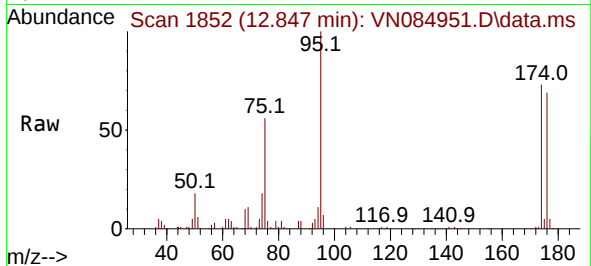




#62
4-Bromofluorobenzene
Concen: 45.629 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

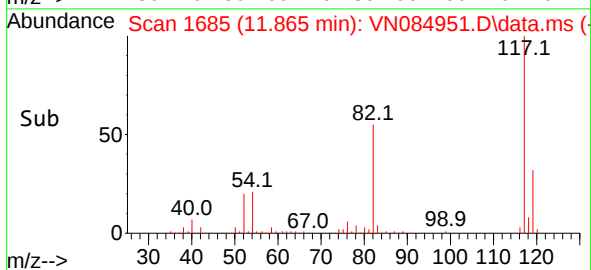
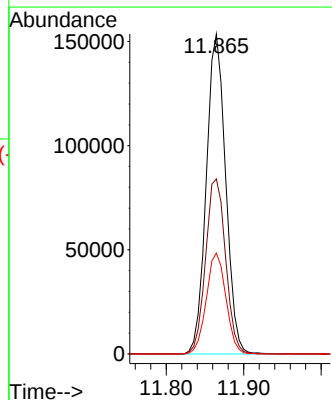
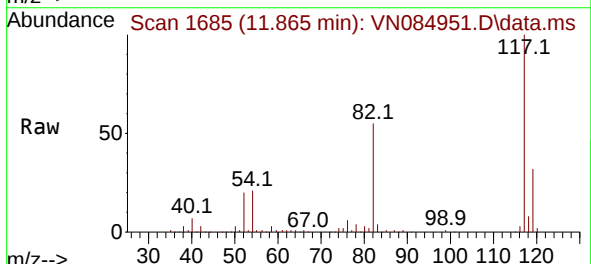
Instrument :
MSVOA_N
ClientSampleId :

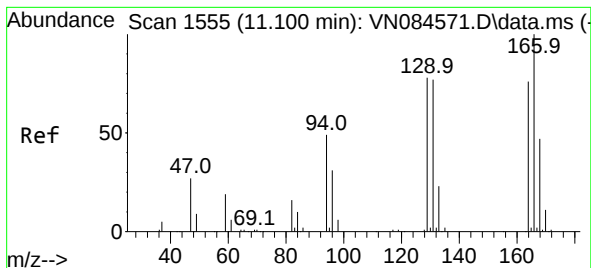
Tgt Ion: 95 Resp: 128826
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.2
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion: 117 Resp: 266331
Ion Ratio Lower Upper
117 100
82 54.7 47.2 70.8
119 31.6 25.4 38.0





#64

Tetrachloroethene

Concen: 23.809 ug/l

RT: 11.100 min Scan# 1

Delta R.T. 0.000 min

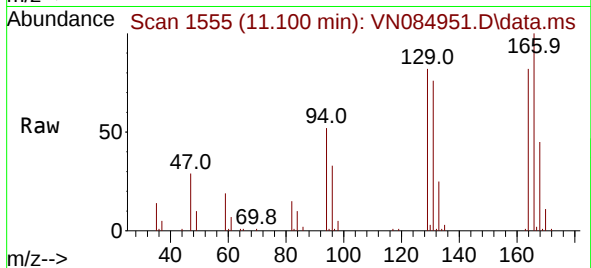
Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 42179

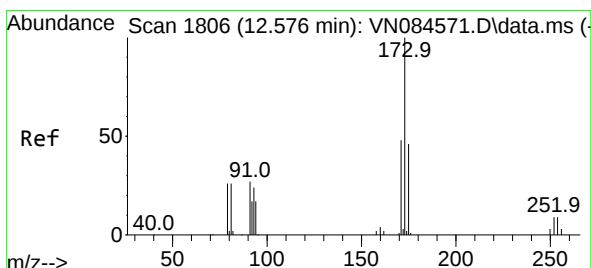
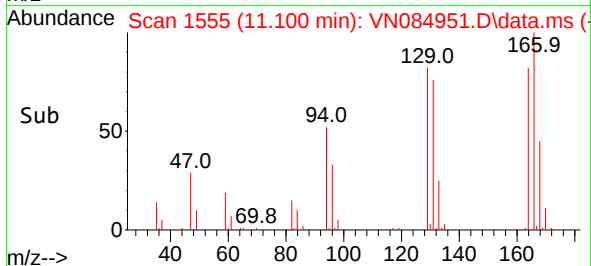
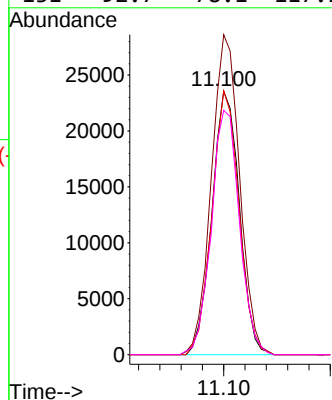
Ion Ratio Lower Upper

164 100

166 121.4 101.0 151.4

129 100.1 80.8 121.2

131 92.7 78.1 117.1



#71

Bromoform

Concen: 0.206 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN084951.D

Acq: 19 Nov 2024 16:52

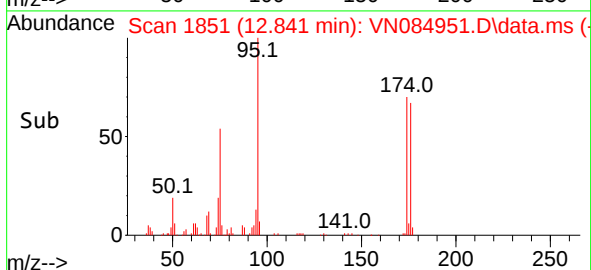
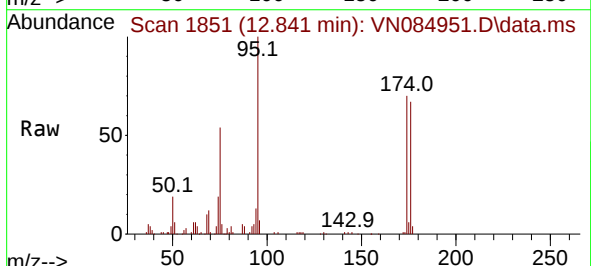
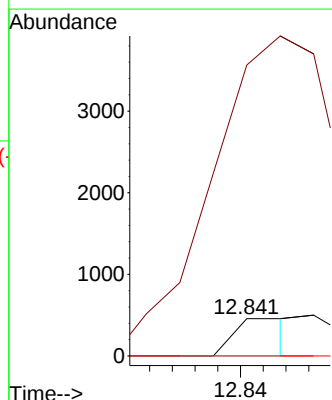
Tgt Ion:173 Resp: 322

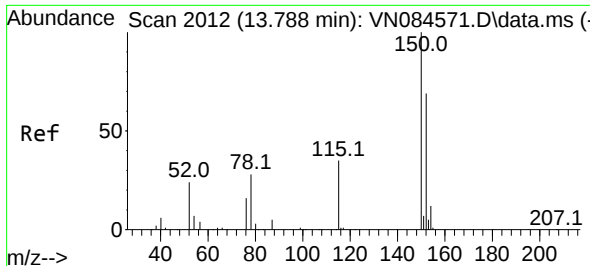
Ion Ratio Lower Upper

173 100

175 1627.0 23.5 70.6#

254 0.0 0.0 0.0

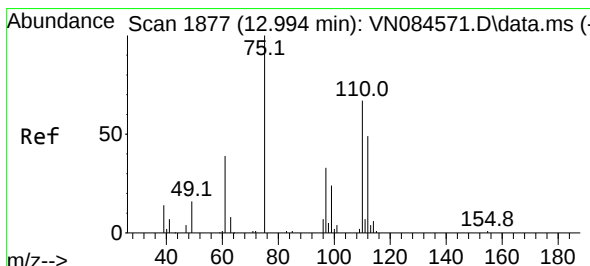
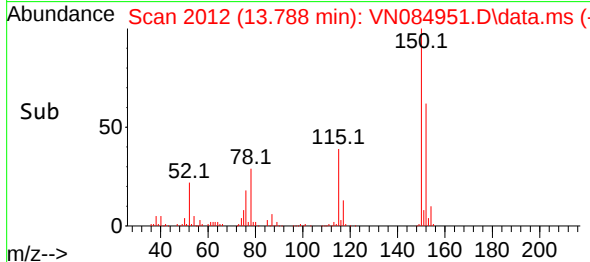
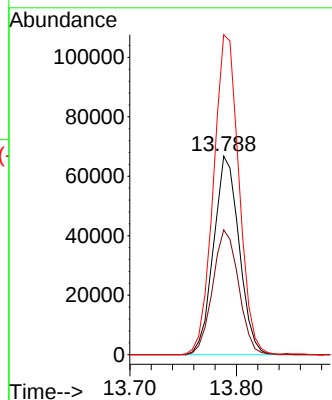
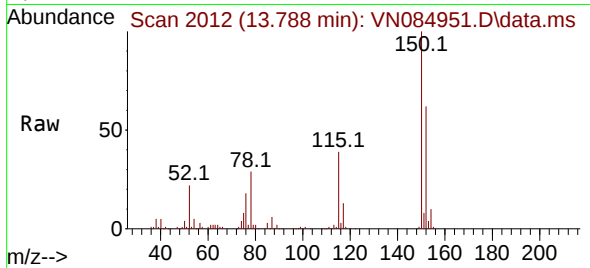




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084951.D
 Acq: 19 Nov 2024 16:52

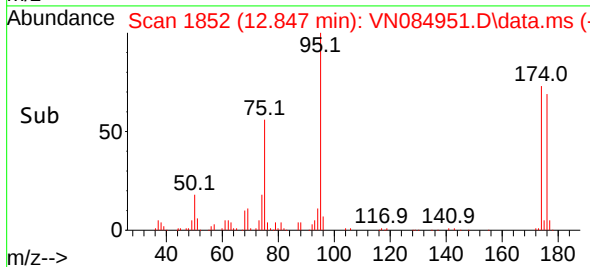
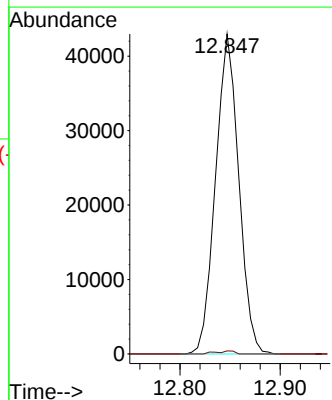
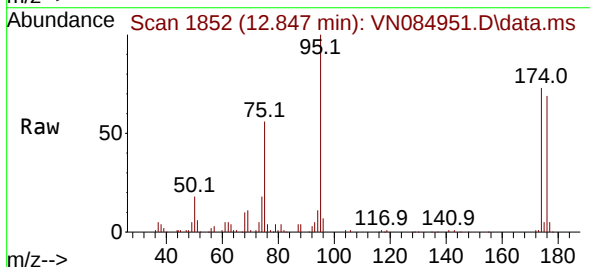
Instrument :
 MSVOA_N
 ClientSampleId :

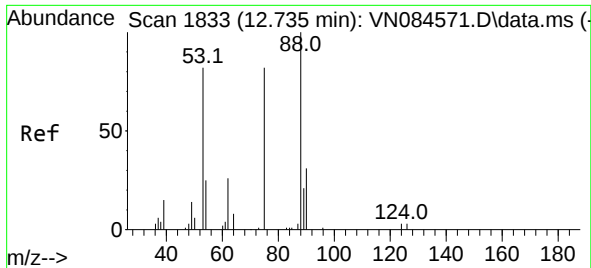
Tgt Ion:152 Resp: 111142
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.3 93.9
 150 161.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 31.088 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084951.D
 Acq: 19 Nov 2024 16:52

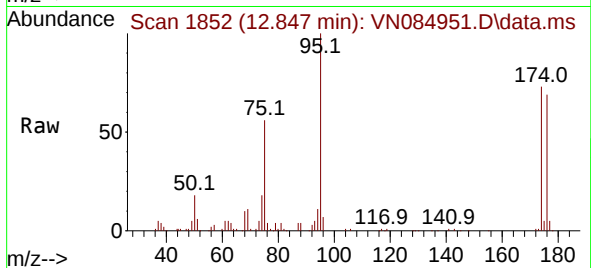
Tgt Ion: 75 Resp: 69067
 Ion Ratio Lower Upper
 75 100
 77 0.7 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.753 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084951.D
 Acq: 19 Nov 2024 16:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 69067
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

