

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084188.D
 Acq On : 26 Sep 2024 19:52
 Operator : JC\MD
 Sample : P4165-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Sep 27 01:14:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

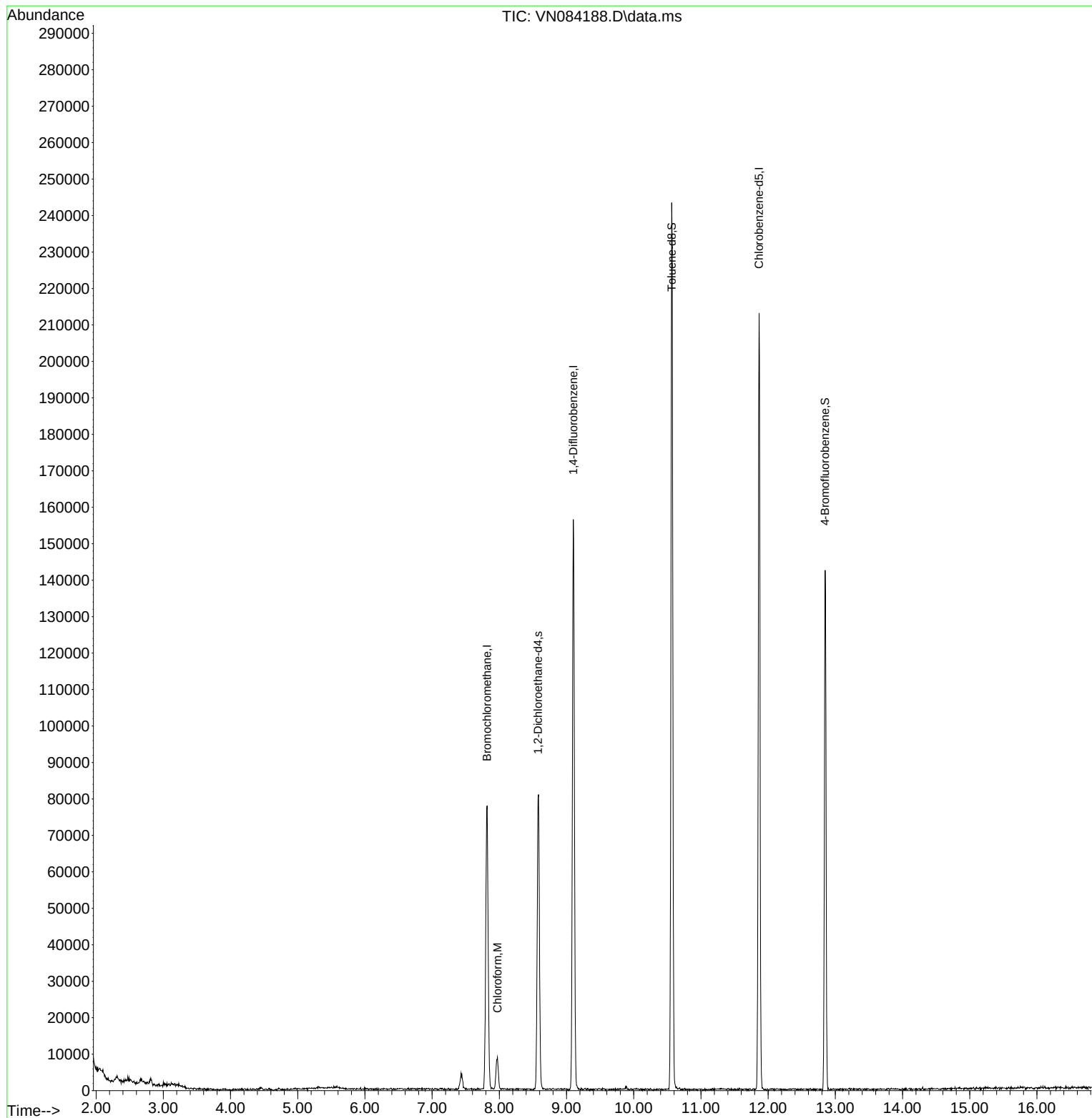
Internal Standards						
1) Bromochloromethane	7.818	128	26238	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	129408	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120436	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68873	28.717	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.733%
60) 4-Bromofluorobenzene	12.847	95	50239	24.204	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.667%
63) Toluene-d8	10.565	98	167050	29.955	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
25) Chloroform	7.971	83	8952	2.562	ug/l	Qvalue 91

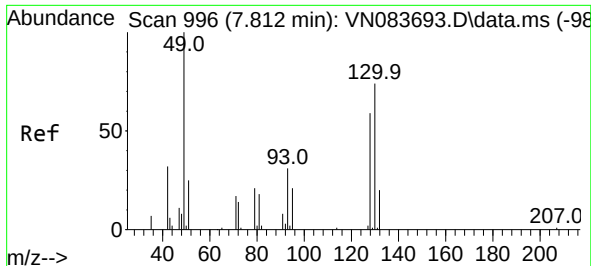
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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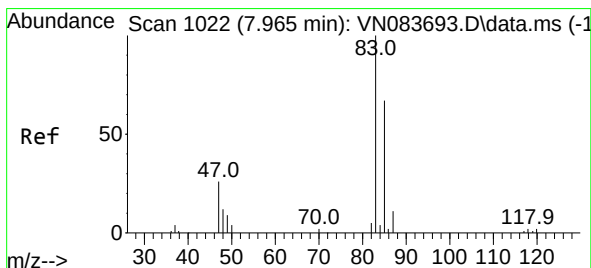
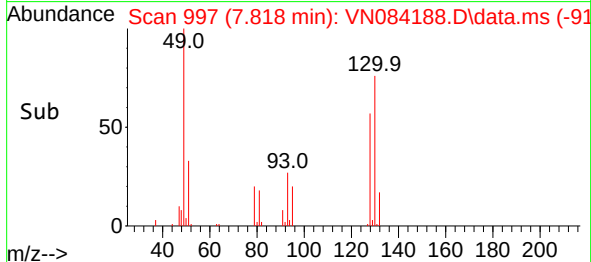
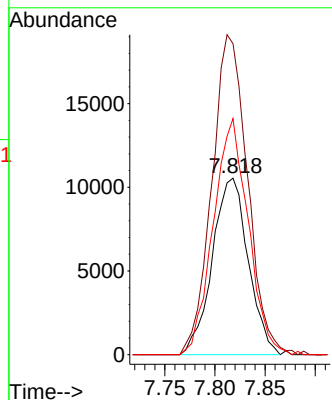
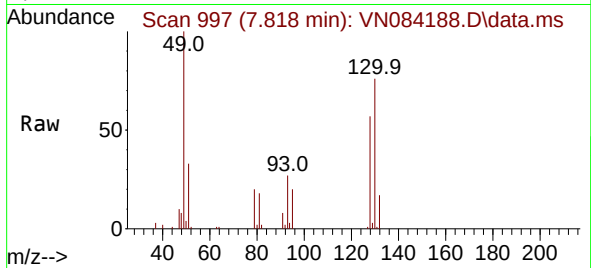




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084188.D
Acq: 26 Sep 2024 19:52

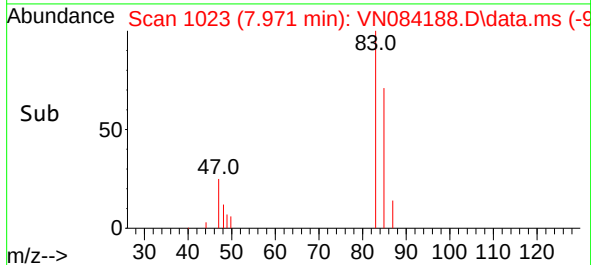
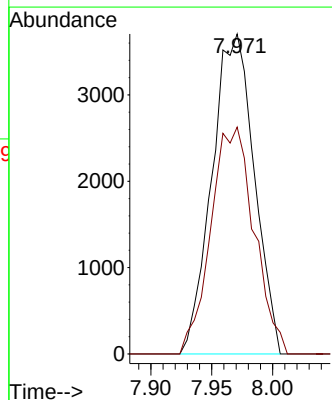
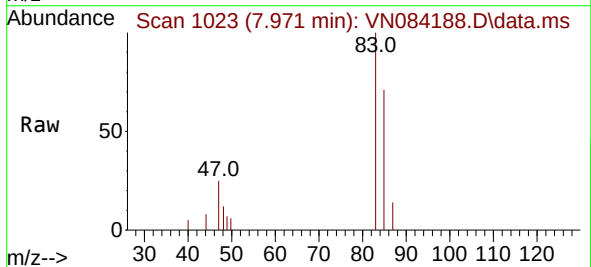
Instrument :
MSVOA_N
ClientSampleId :
14B-4

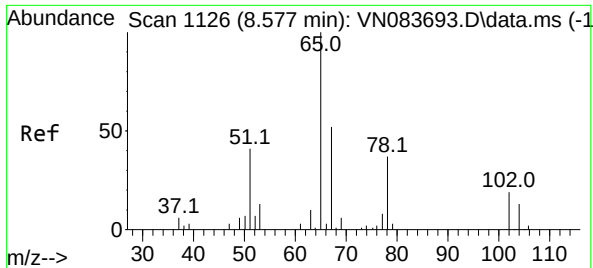
Tgt Ion	Ratio	Lower	Upper
128	100		
49	180.1	0.0	403.7
130	130.2	0.0	323.3



#25
Chloroform
Concen: 2.562 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084188.D
Acq: 26 Sep 2024 19:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.9	50.9	76.3

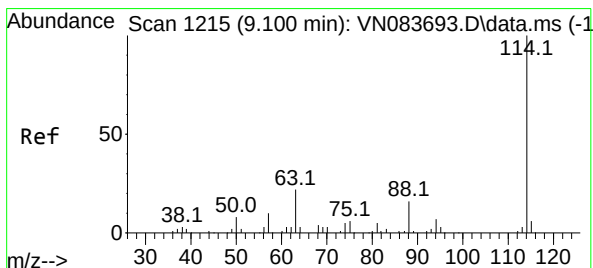
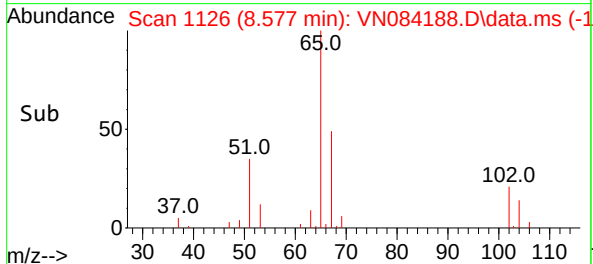
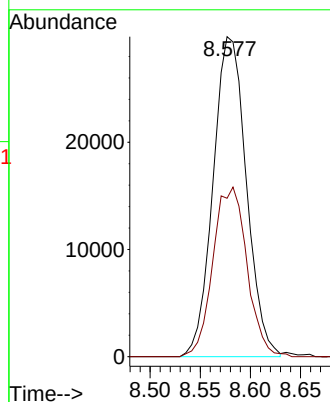
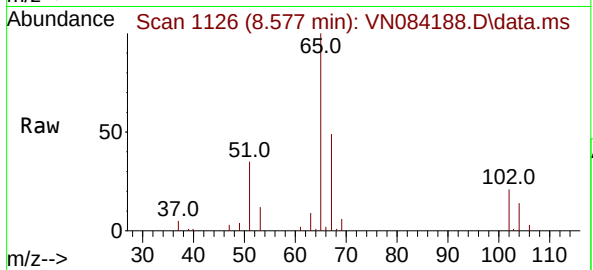




#27
 1,2-Dichloroethane-d4
 Concen: 28.717 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084188.D
 Acq: 26 Sep 2024 19:52

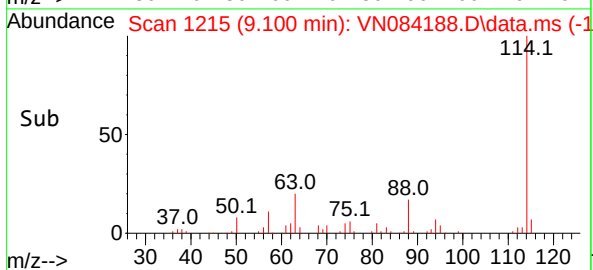
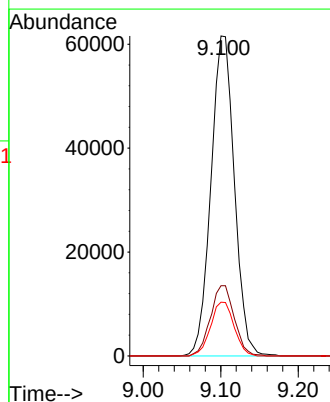
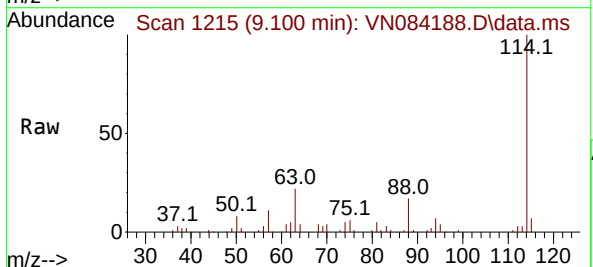
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

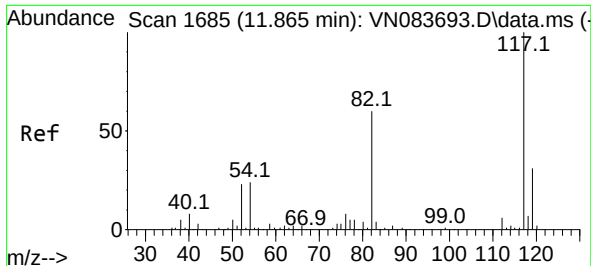
Tgt Ion: 65 Resp: 68873
 Ion Ratio Lower Upper
 65 100
 67 54.1 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084188.D
 Acq: 26 Sep 2024 19:52

Tgt Ion: 114 Resp: 129408
 Ion Ratio Lower Upper
 114 100
 63 22.3 15.9 23.9
 88 16.9 12.7 19.1

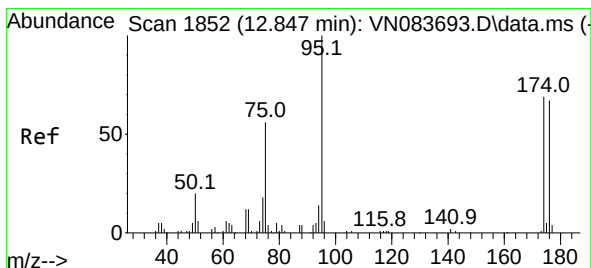
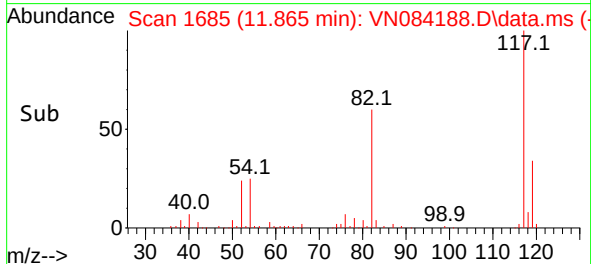
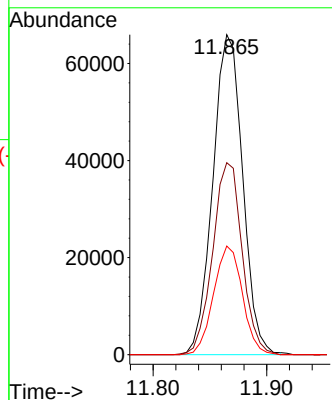
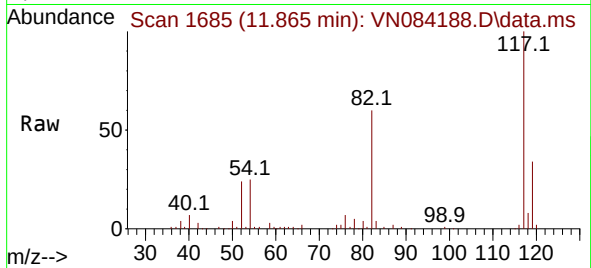




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084188.D
Acq: 26 Sep 2024 19:52

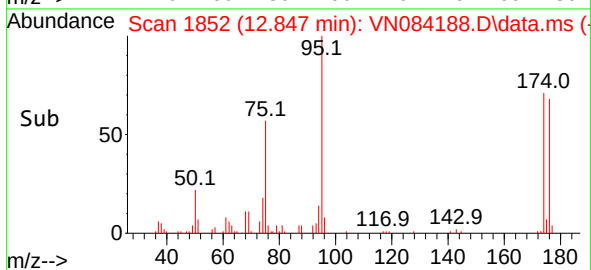
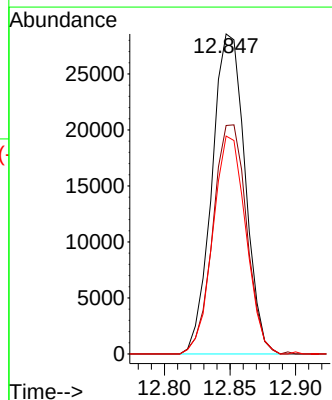
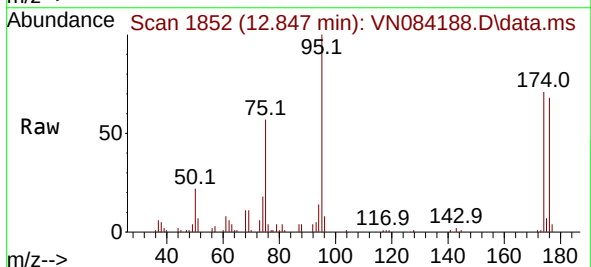
Instrument :
MSVOA_N
ClientSampleId :
14B-4

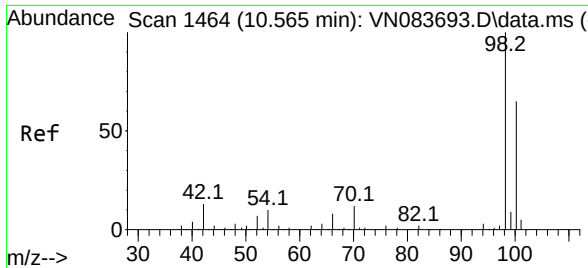
Tgt Ion:117 Resp: 120436
Ion Ratio Lower Upper
117 100
82 59.3 46.6 69.8
119 32.8 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 24.204 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084188.D
Acq: 26 Sep 2024 19:52

Tgt Ion: 95 Resp: 50239
Ion Ratio Lower Upper
95 100
174 72.6 60.5 90.7
176 67.9 57.8 86.6





#63
Toluene-d8
Concen: 29.955 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084188.D
Acq: 26 Sep 2024 19:52

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 98 Resp: 167050
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

