

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023072.D
 Acq On : 13 Aug 2025 16:06
 Operator : SY/MD
 Sample : Q2819-10
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-S

Quant Time: Aug 14 01:25:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	616963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1186470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	951178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	298114	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	347001	59.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.020%
35) Dibromofluoromethane	7.628	113	378899	53.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.740%
50) Toluene-d8	10.103	98	1431015	51.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.200%
62) 4-Bromofluorobenzene	12.402	95	346712	38.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.740%

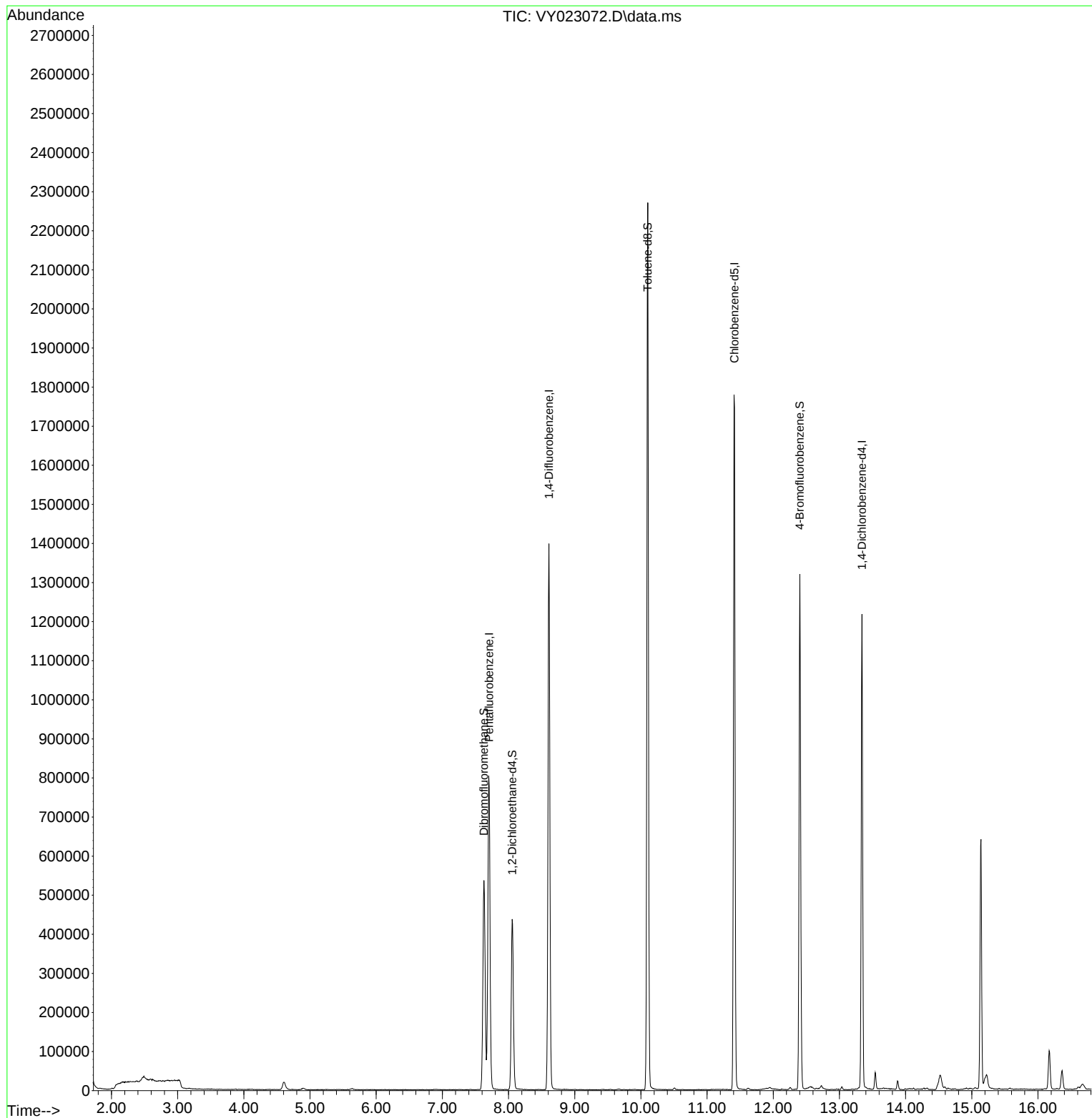
Target Compounds	Qvalue

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

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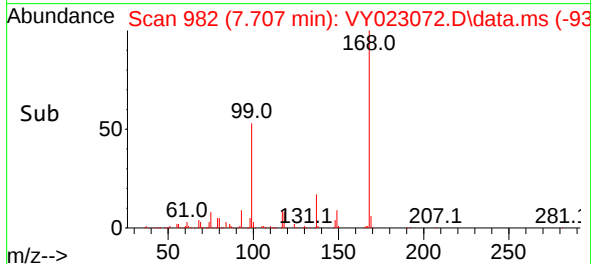
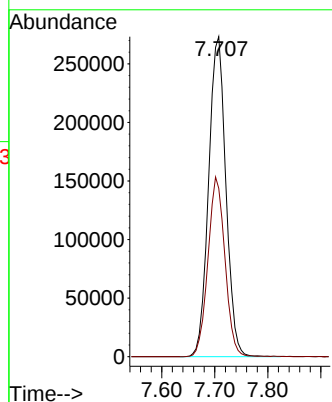
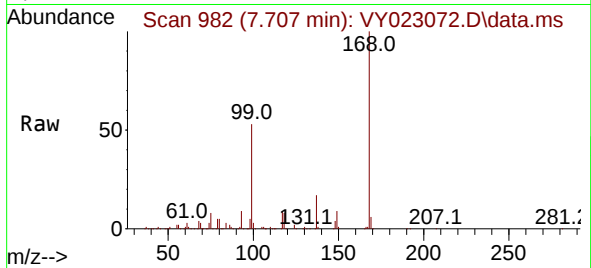




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

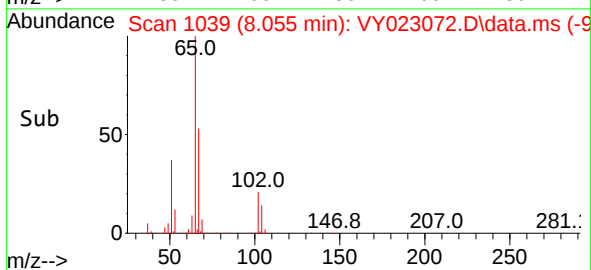
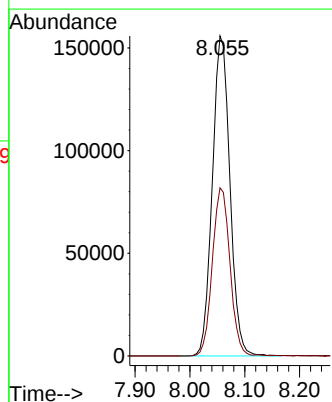
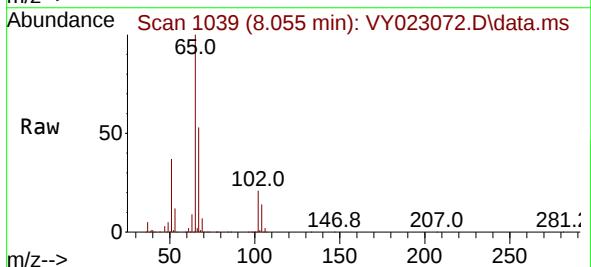
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

Tgt Ion:168 Resp: 616963
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.013 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion: 65 Resp: 347001
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8

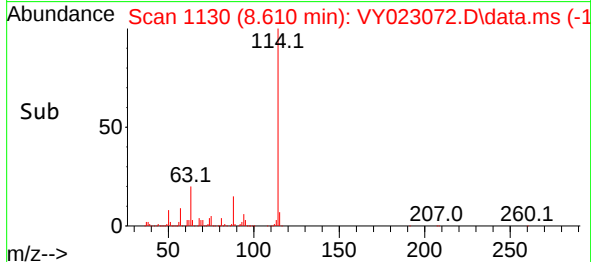
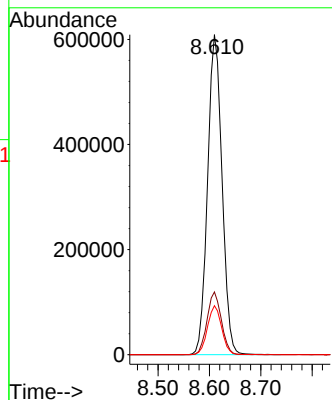
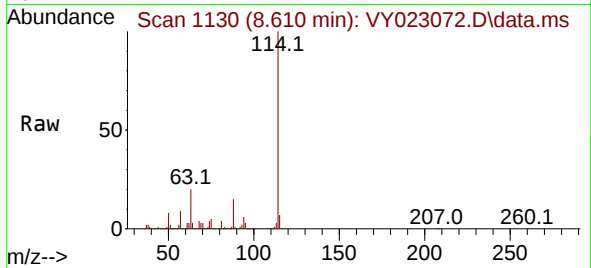




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

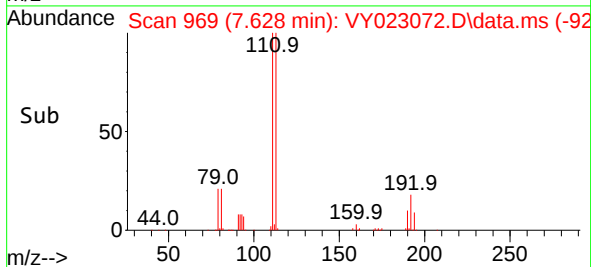
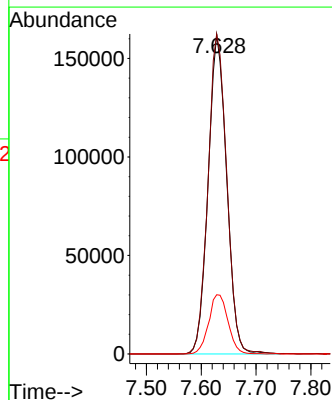
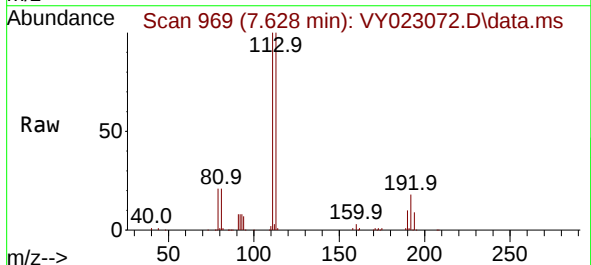
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

Tgt Ion:114 Resp: 1186470
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.4
88 15.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.370 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion:113 Resp: 378899
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 19.4 16.2 24.4

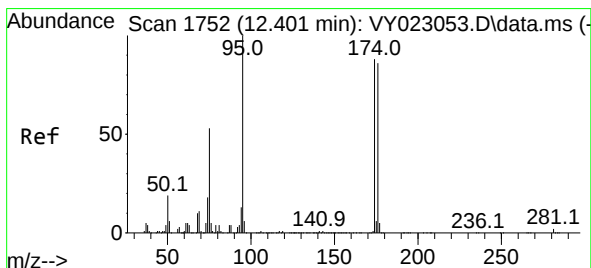
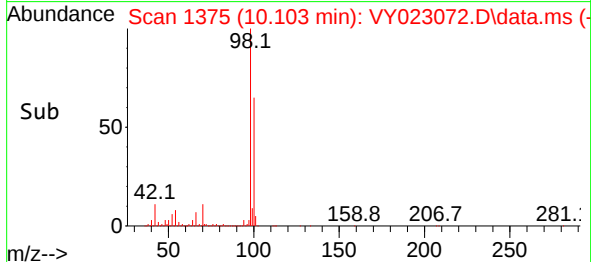
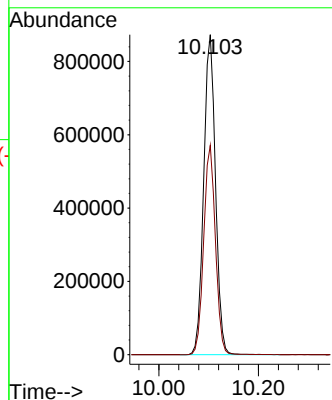
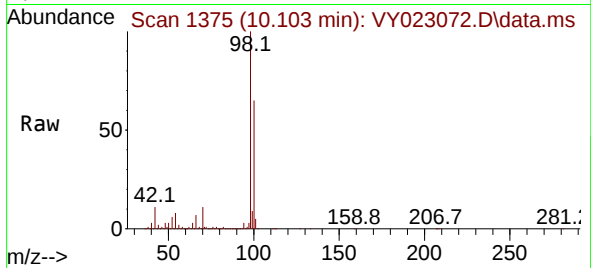




#50
Toluene-d8
Concen: 51.597 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

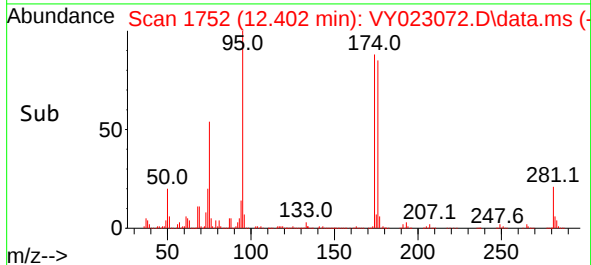
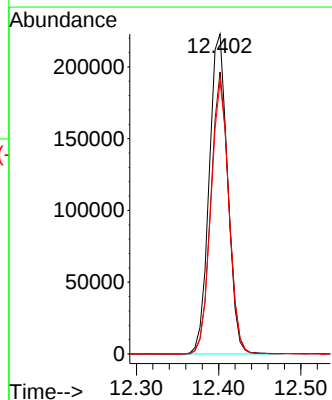
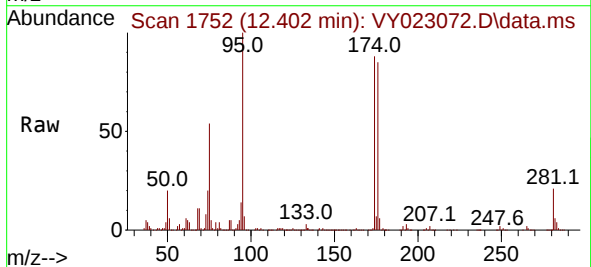
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

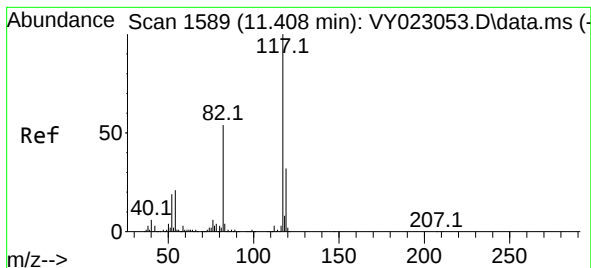
Tgt Ion: 98 Resp: 1431015
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.872 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion: 95 Resp: 346712
Ion Ratio Lower Upper
95 100
174 85.1 0.0 171.6
176 83.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023072.D

Acq: 13 Aug 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

84SB-S

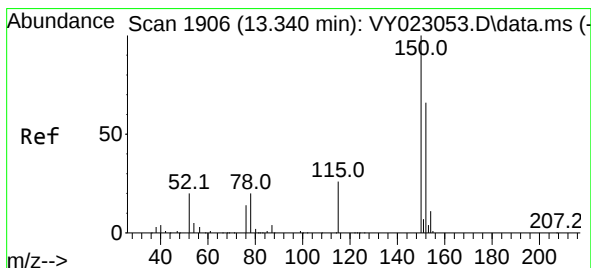
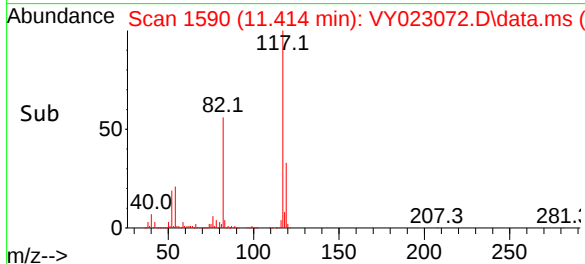
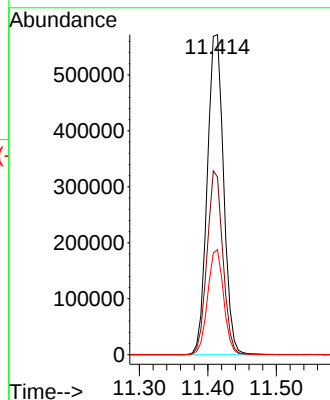
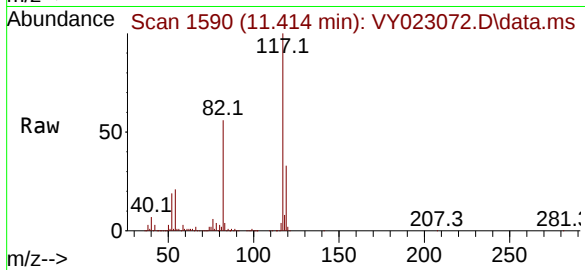
Tgt Ion:117 Resp: 951178

Ion Ratio Lower Upper

117 100

82 55.6 43.4 65.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023072.D

Acq: 13 Aug 2025 16:06

Tgt Ion:152 Resp: 298114

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.6

150 157.6 0.0 348.0

