

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022092.D
 Acq On : 30 Apr 2025 19:03
 Operator : SY/MD
 Sample : Q1917-03
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-JJ-VOC

Quant Time: May 01 01:41:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	378259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	725931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	272564	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195087	55.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.680%
35) Dibromofluoromethane	7.634	113	246518	51.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.800%
50) Toluene-d8	10.103	98	878129	48.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.140%
62) 4-Bromofluorobenzene	12.408	95	263362	43.269	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.540%

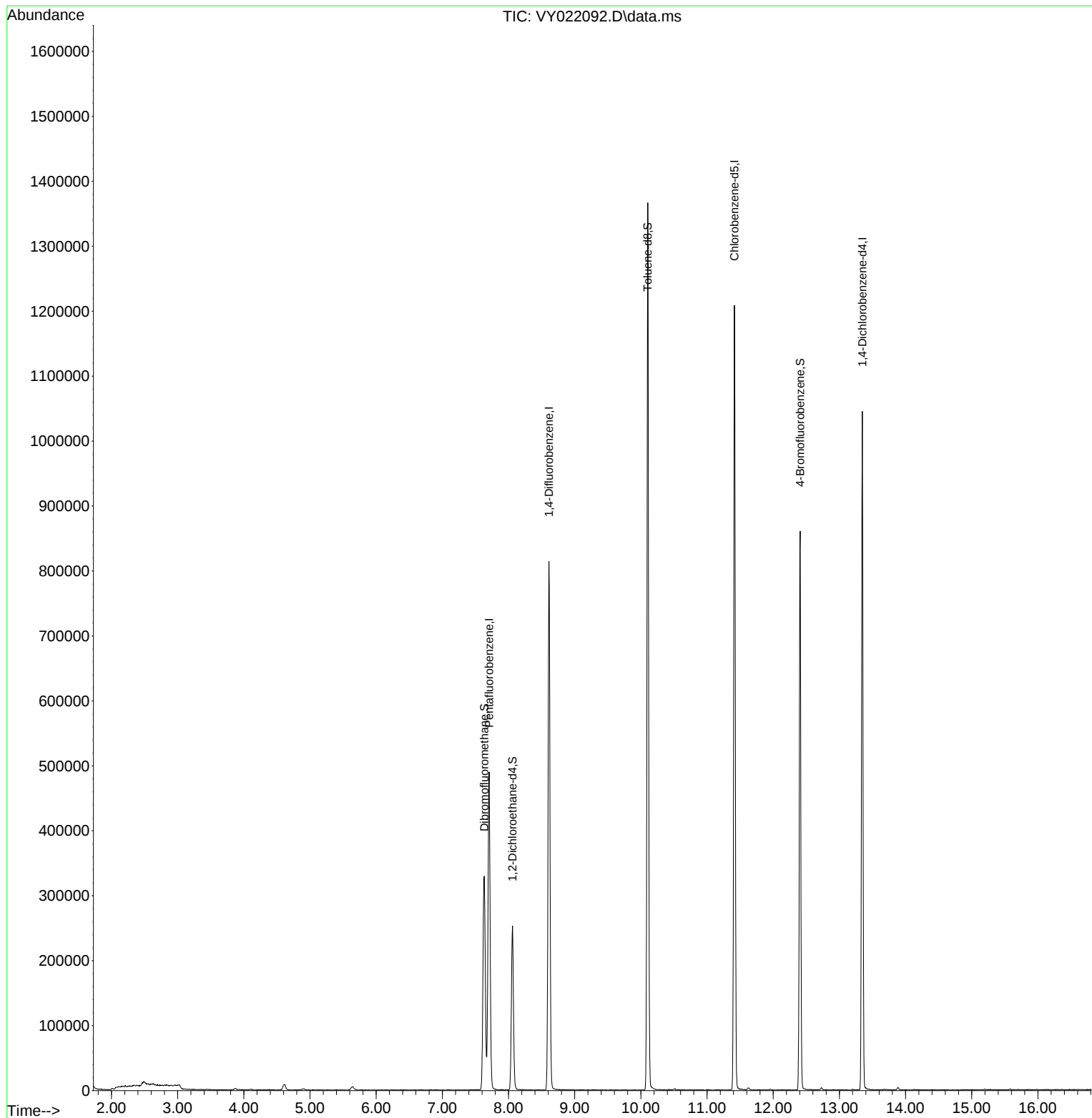
Target Compounds	Qvalue

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

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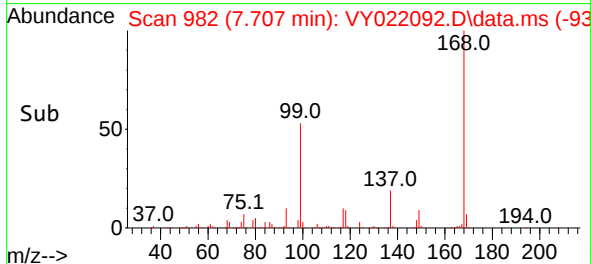
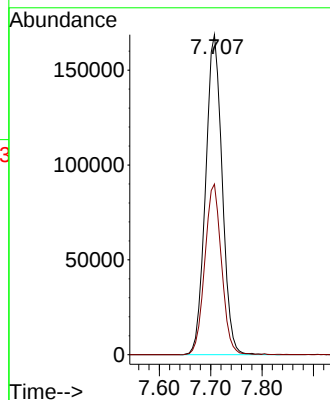
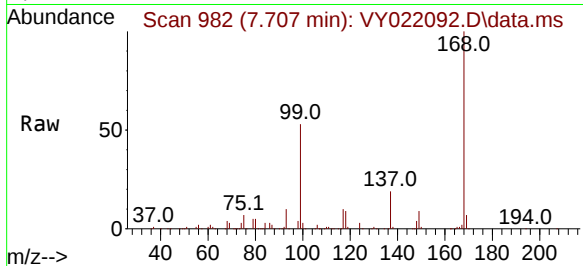




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

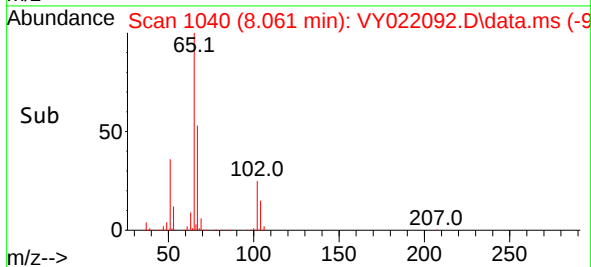
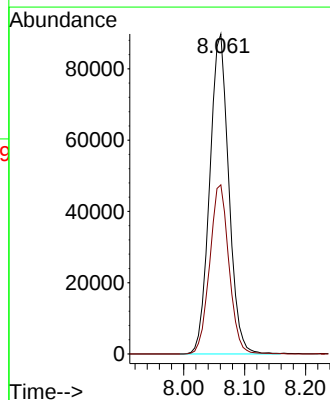
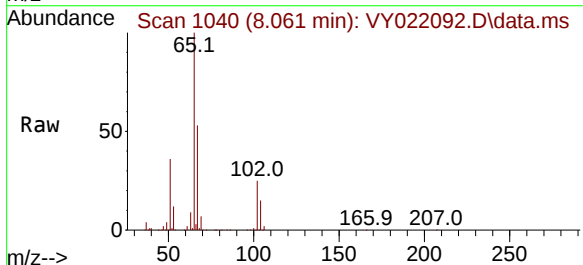
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

Tgt Ion:168 Resp: 378259
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.836 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion: 65 Resp: 195087
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8

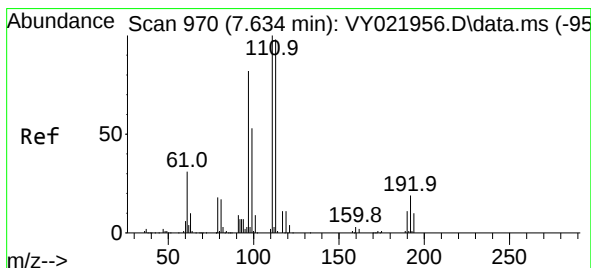
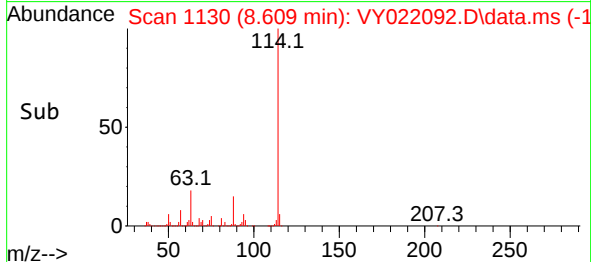
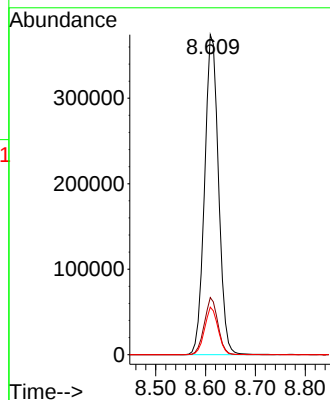
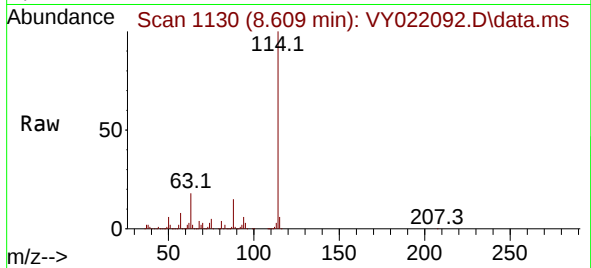




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

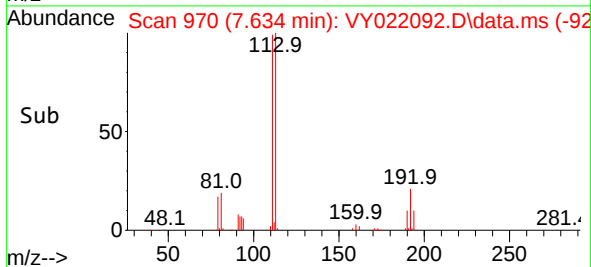
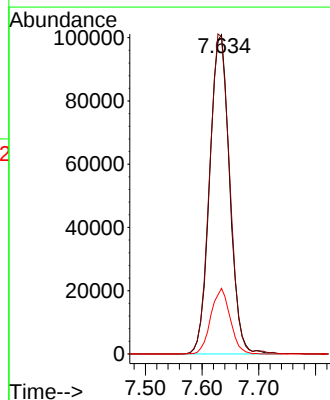
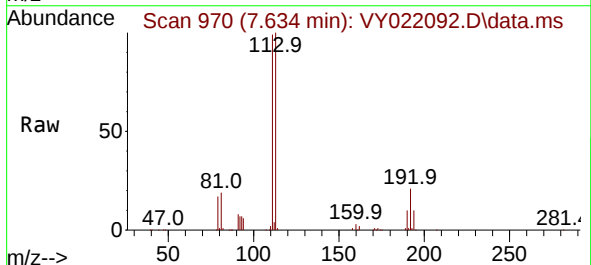
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

Tgt Ion:114 Resp: 725931
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.4
88 14.9 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.402 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion:113 Resp: 246518
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 19.9 15.6 23.4

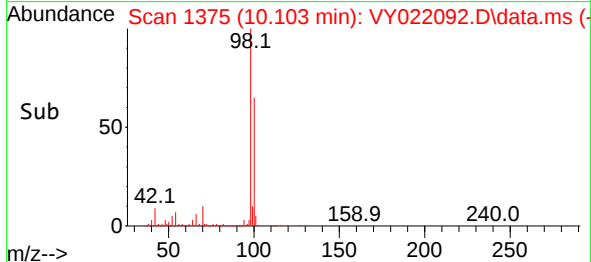
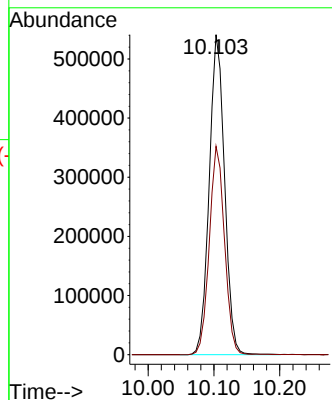
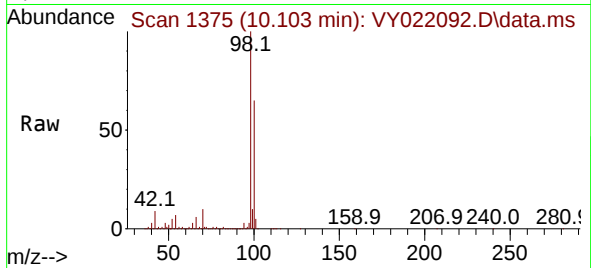




#50
Toluene-d8
Concen: 48.568 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

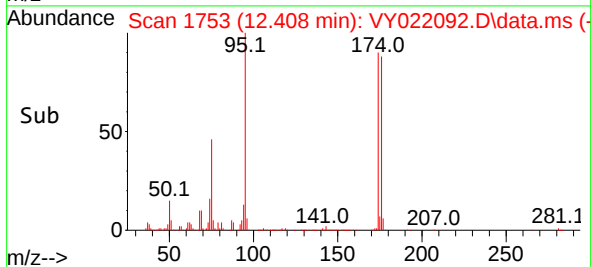
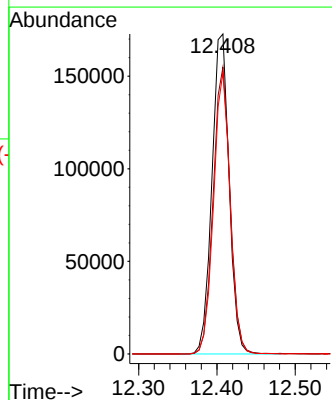
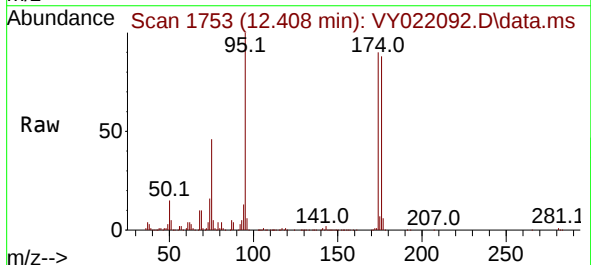
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

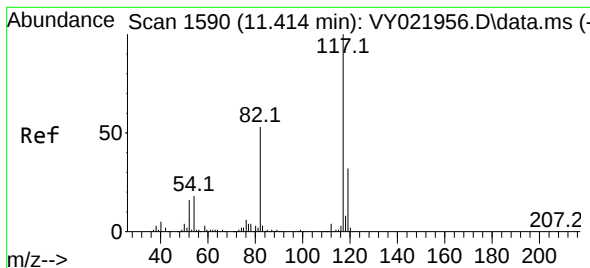
Tgt Ion: 98 Resp: 878129
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.269 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion: 95 Resp: 263362
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 84.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY022092.D

Acq: 30 Apr 2025 19:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-JJ-VOC

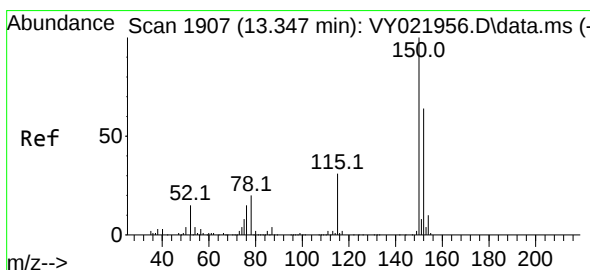
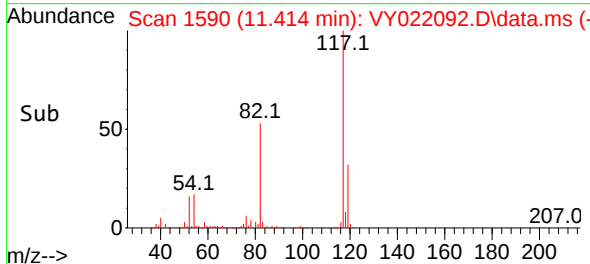
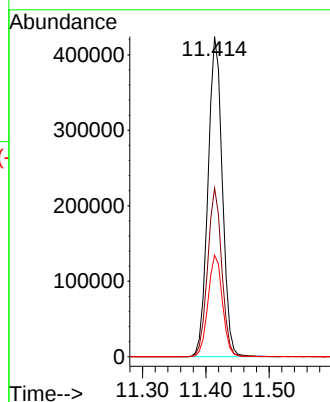
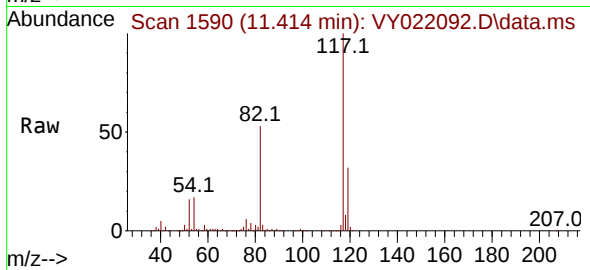
Tgt Ion:117 Resp: 669951

Ion Ratio Lower Upper

117 100

82 52.7 42.1 63.1

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022092.D

Acq: 30 Apr 2025 19:03

Tgt Ion:152 Resp: 272564

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 156.7 0.0 345.6

