

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022550.D
 Acq On : 04 Jun 2025 15:00
 Operator : SY/MD
 Sample : Q2199-04
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-231

Quant Time: Jun 05 04:16:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	1944	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	2975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1390	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1427	65.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.260%
35) Dibromofluoromethane	7.634	113	815	45.897	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.800%
50) Toluene-d8	10.109	98	2536	35.345	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.680%
62) 4-Bromofluorobenzene	12.407	95	390	18.243	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.480%

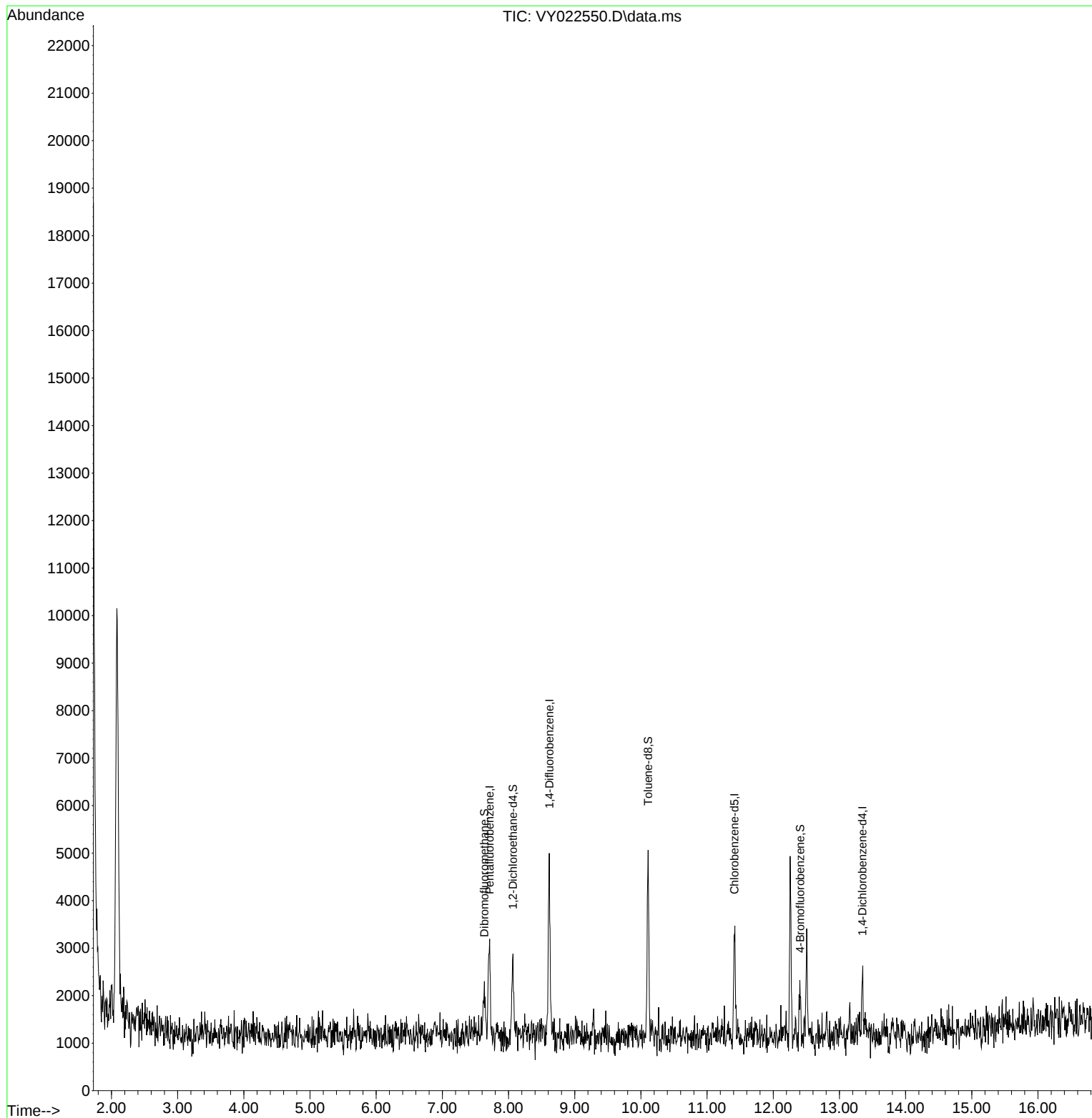
Target Compounds	Qvalue

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

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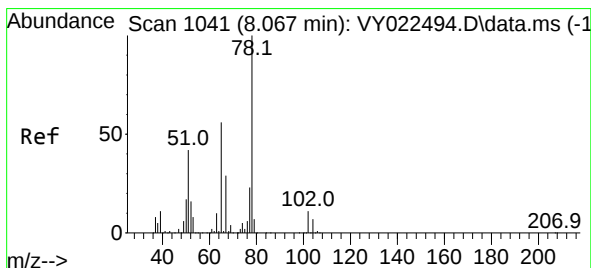
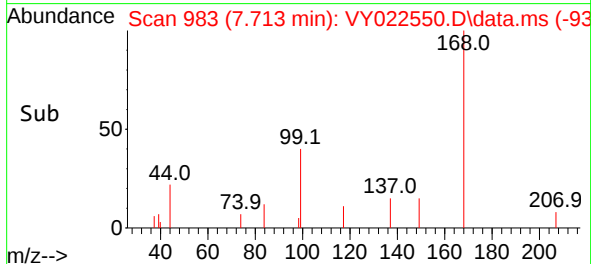
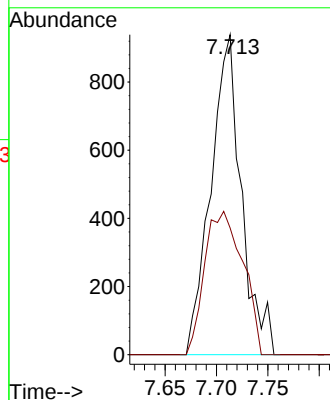
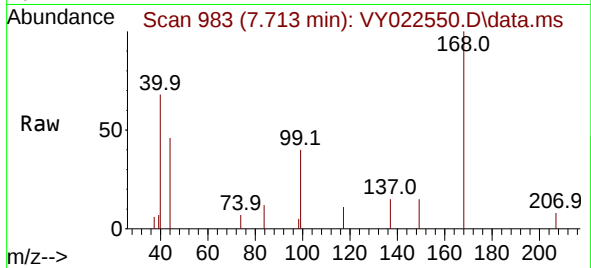




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

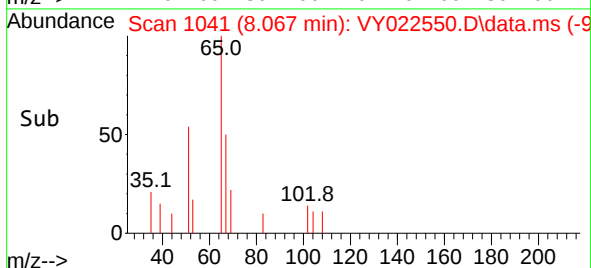
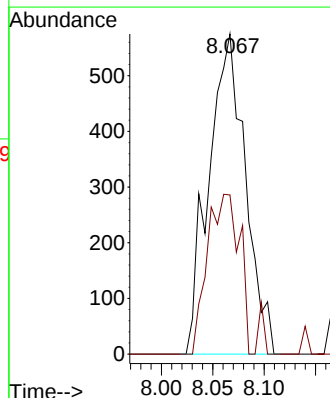
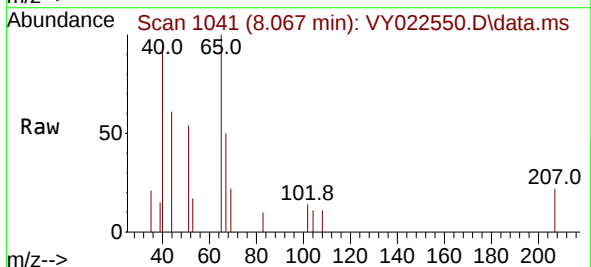
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

Tgt Ion:168 Resp: 1944
Ion Ratio Lower Upper
168 100
99 39.6 44.3 66.5#



#33
1,2-Dichloroethane-d4
Concen: 65.632 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

Tgt Ion: 65 Resp: 1427
Ion Ratio Lower Upper
65 100
67 43.9 0.0 103.4

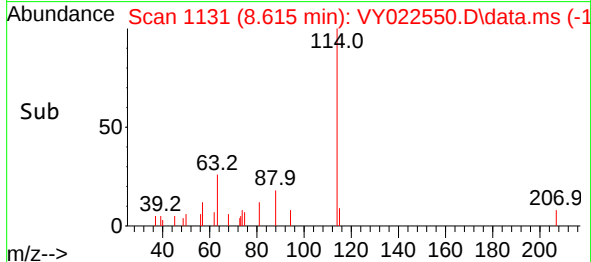
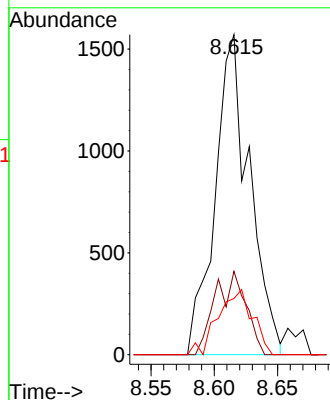
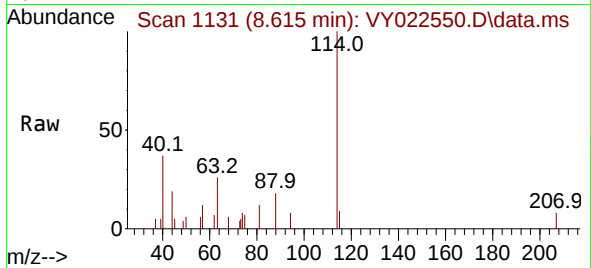




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

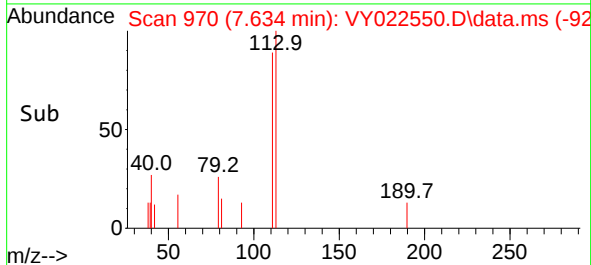
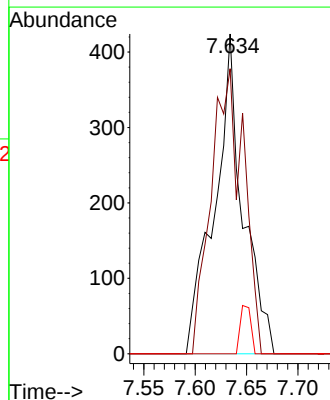
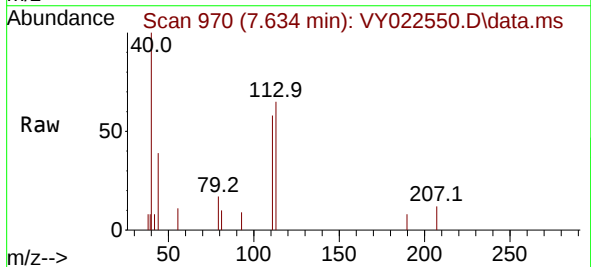
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

Tgt Ion:	114	Resp:	2975
Ion Ratio	Lower	Upper	
114	100		
63	26.0	0.0	40.8
88	17.6	0.0	27.8



#35
Dibromofluoromethane
Concen: 45.897 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

Tgt Ion:	113	Resp:	815
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.1	121.7
192	5.6	14.2	21.2

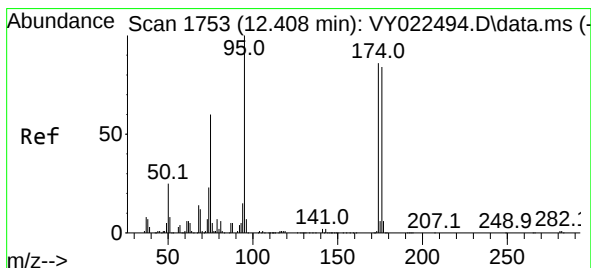
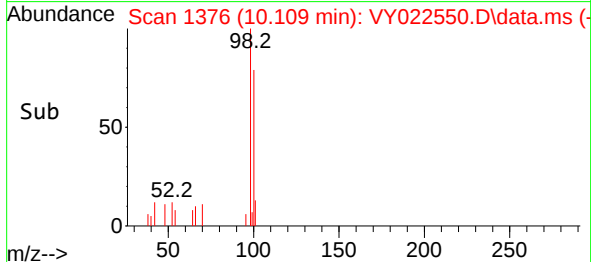
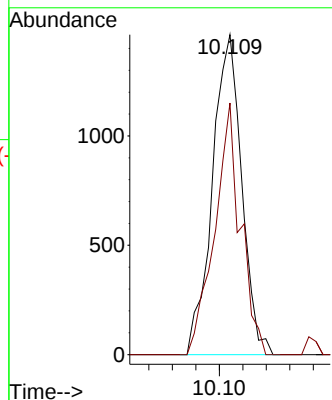
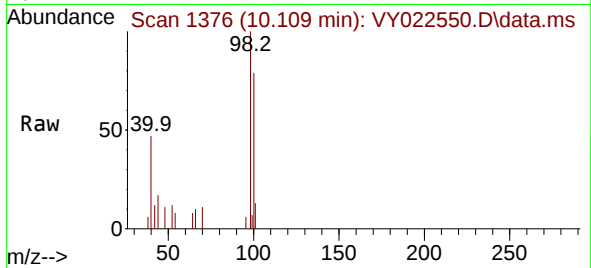




#50
Toluene-d8
Concen: 35.345 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

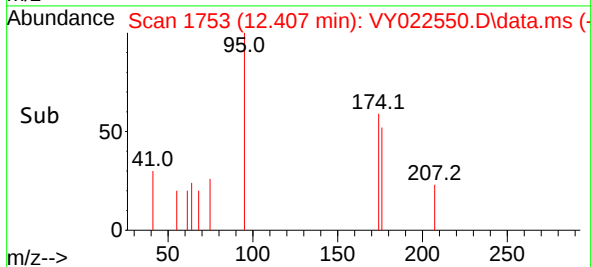
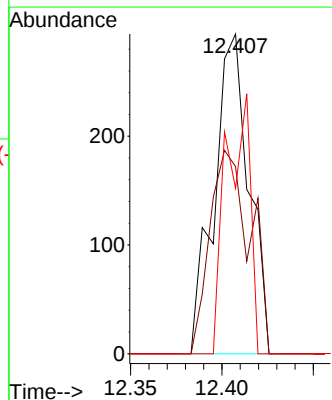
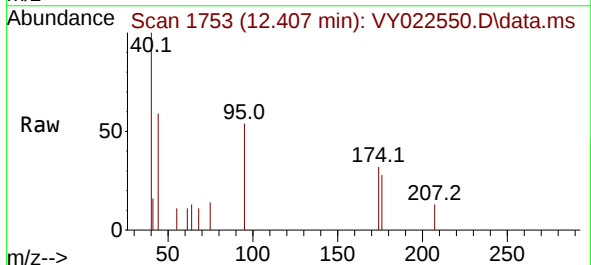
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

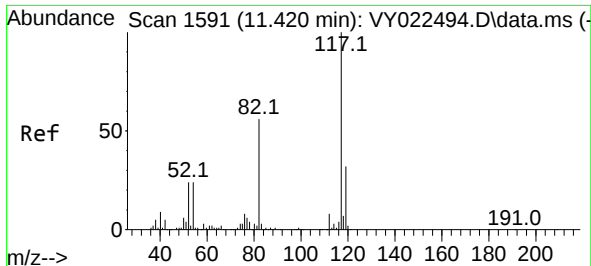
Tgt Ion: 98 Resp: 2536
Ion Ratio Lower Upper
98 100
100 69.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 18.243 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

Tgt Ion: 95 Resp: 390
Ion Ratio Lower Upper
95 100
174 73.8 0.0 170.0
176 55.9 0.0 166.2

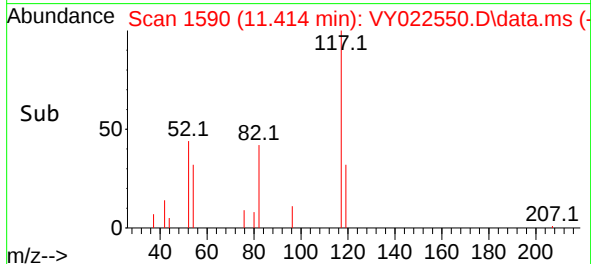
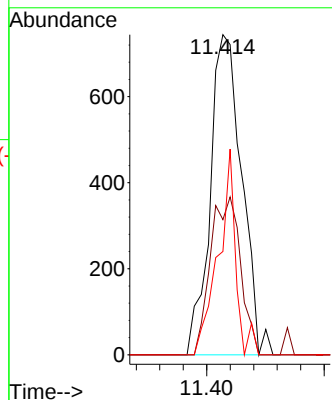
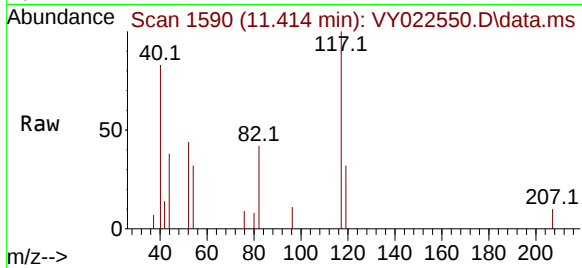




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

Tgt Ion:117 Resp: 1390
Ion Ratio Lower Upper
117 100
82 42.2 44.6 66.8#
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022550.D
Acq: 04 Jun 2025 15:00

Tgt Ion:152 Resp: 251
Ion Ratio Lower Upper
152 100
115 88.4 28.9 86.7#
150 250.2 0.0 349.6

