

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022056.D
 Acq On : 29 Apr 2025 15:06
 Operator : SY/MD
 Sample : Q1906-03
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Apr 30 01:34:20 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	302789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	572110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	508939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146272	52.300	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.600%
35) Dibromofluoromethane	7.634	113	191351	50.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.260%
50) Toluene-d8	10.109	98	689571	48.393	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.780%
62) 4-Bromofluorobenzene	12.408	95	187442	39.076	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.160%

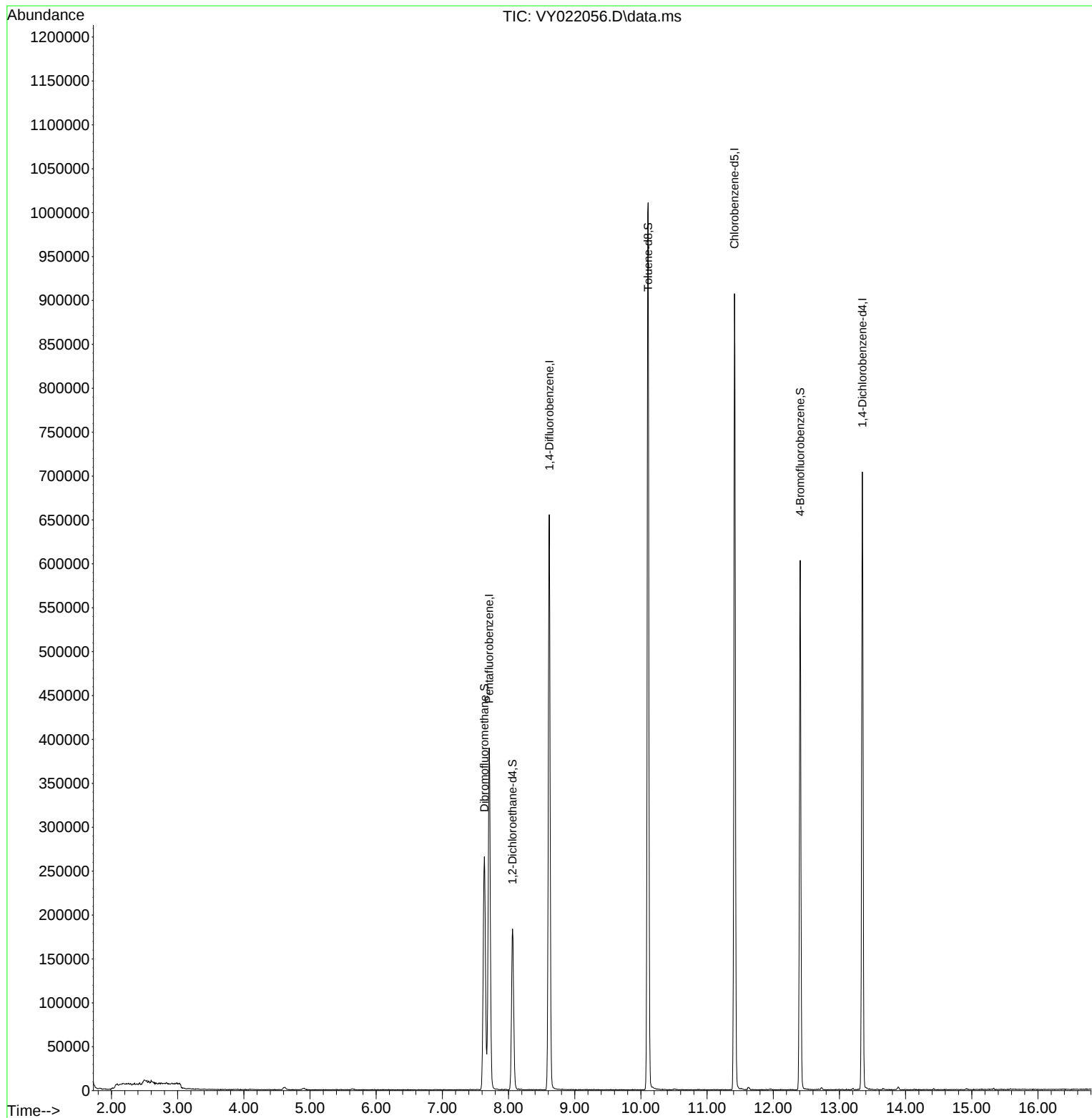
Target Compounds	Qvalue

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

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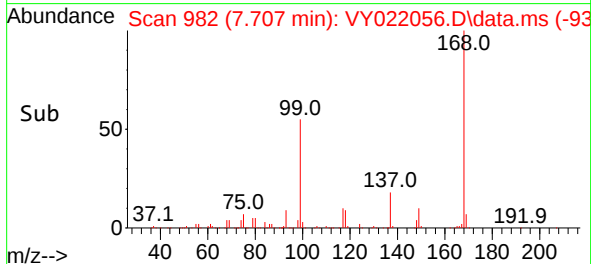
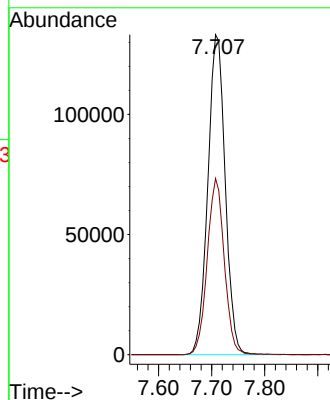
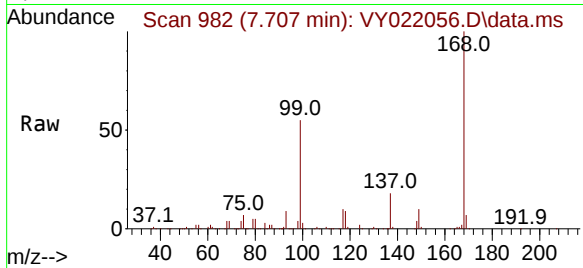




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

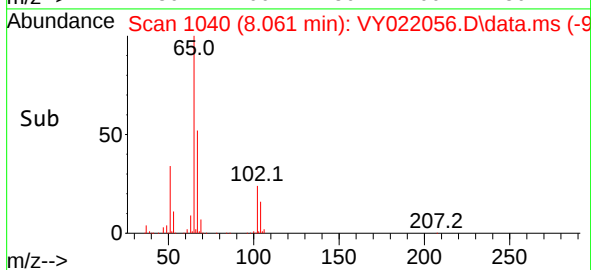
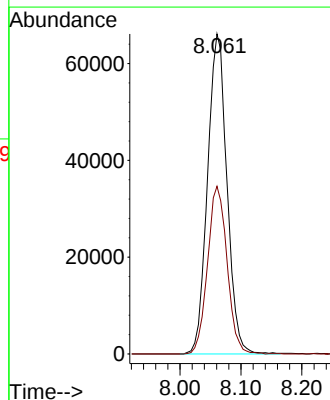
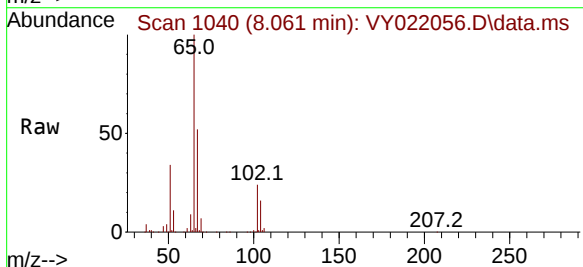
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion:168 Resp: 302789
Ion Ratio Lower Upper
168 100
99 55.1 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.300 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion: 65 Resp: 146272
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022056.D

Acq: 29 Apr 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

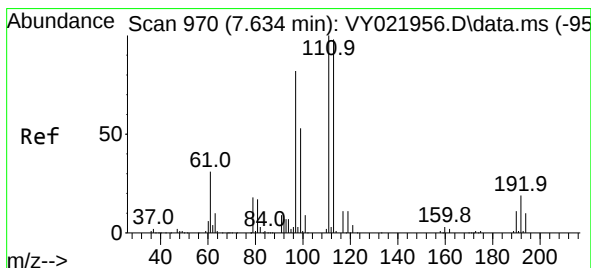
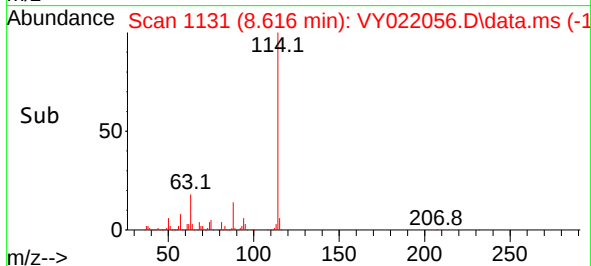
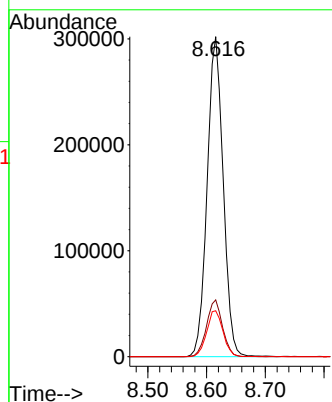
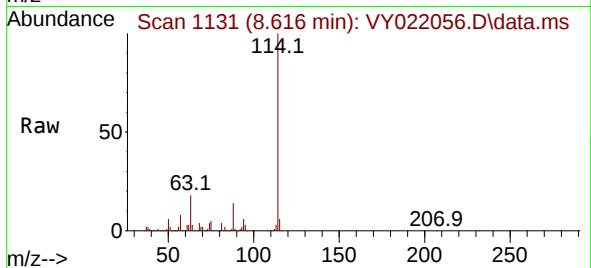
Tgt Ion:114 Resp: 572110

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.626 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022056.D

Acq: 29 Apr 2025 15:06

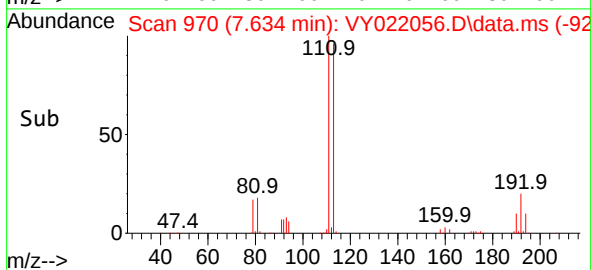
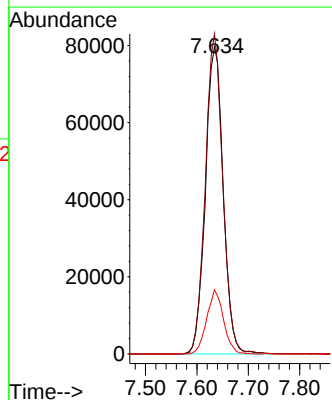
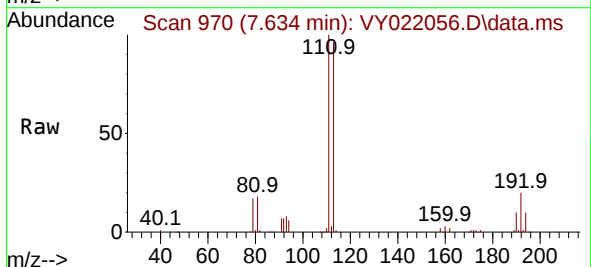
Tgt Ion:113 Resp: 191351

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 19.7 15.6 23.4

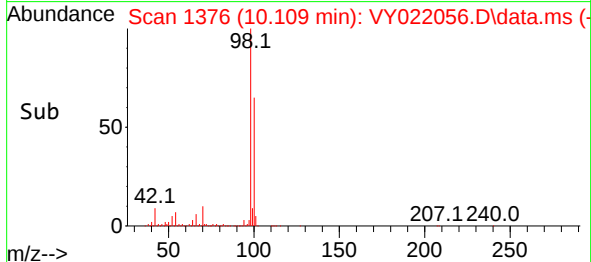
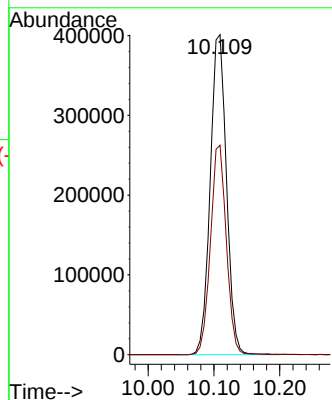
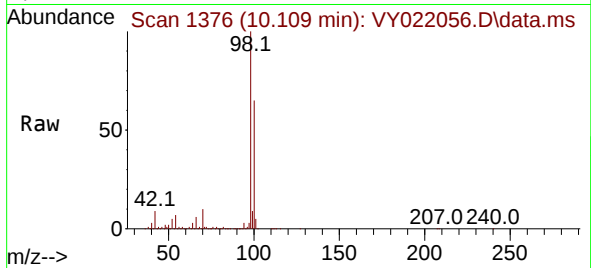




#50
Toluene-d8
Concen: 48.393 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

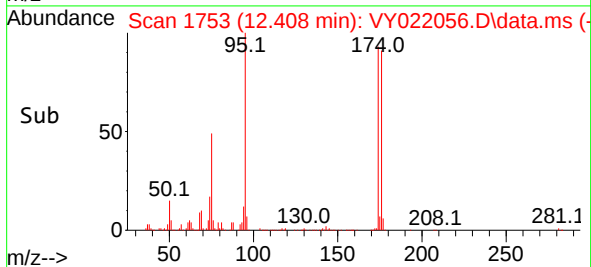
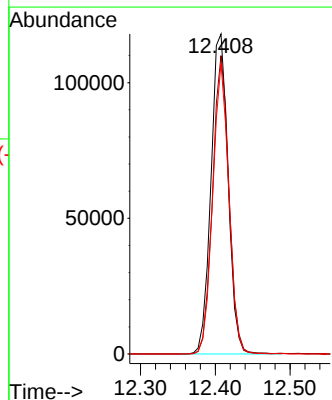
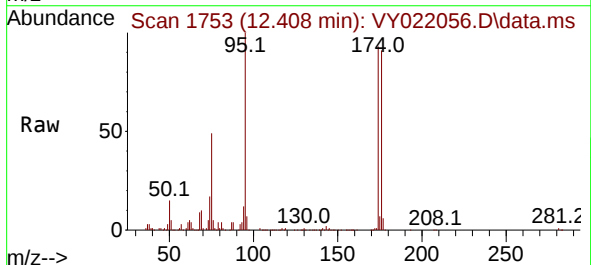
Instrument :
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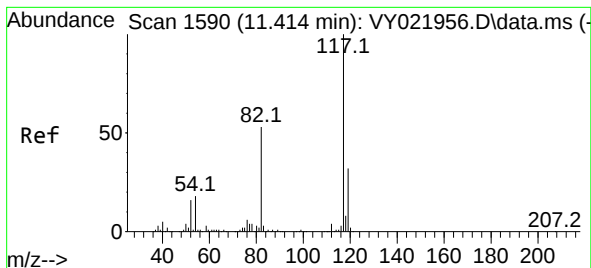
Tgt Ion: 98 Resp: 689571
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.076 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion: 95 Resp: 187442
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.0
176 85.6 0.0 171.8

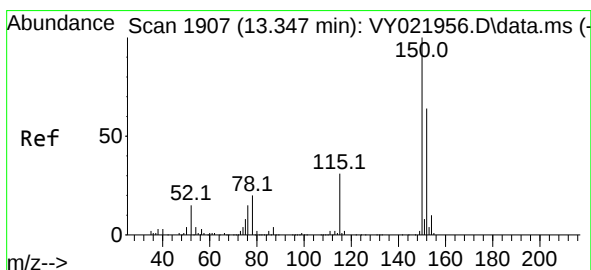
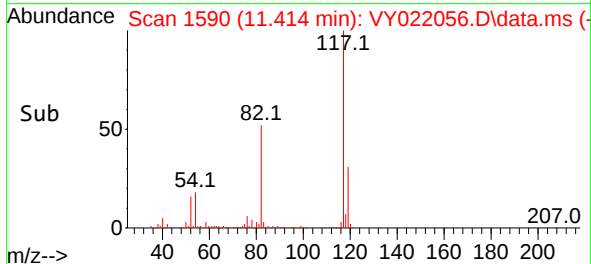
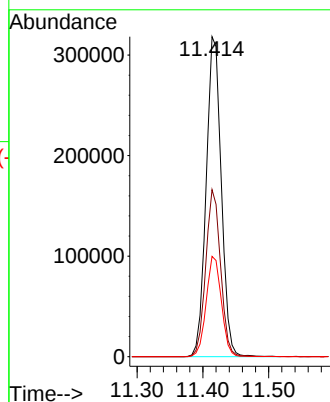
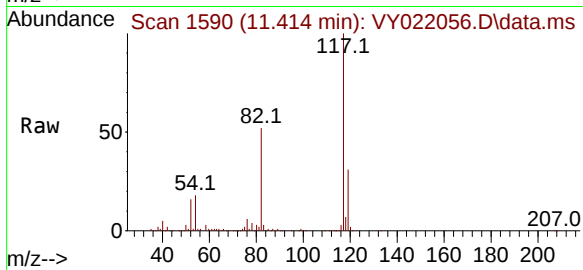




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion:117 Resp: 508939
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 31.4 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: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion:152 Resp: 187668
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 156.2 0.0 345.6

