

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077857.D
 Acq On : 13 Dec 2023 12:56
 Operator : RP/MD
 Sample : 05767-03
 Misc : 5.38G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-E1-GRAB

Quant Time: Dec 14 01:52:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	193304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	339275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128163	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79692	34.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.980%
35) Dibromofluoromethane	7.811	113	95436	40.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.320%
50) Toluene-d8	10.269	98	428863	45.057	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.120%
62) 4-Bromofluorobenzene	12.575	95	113806	39.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.980%

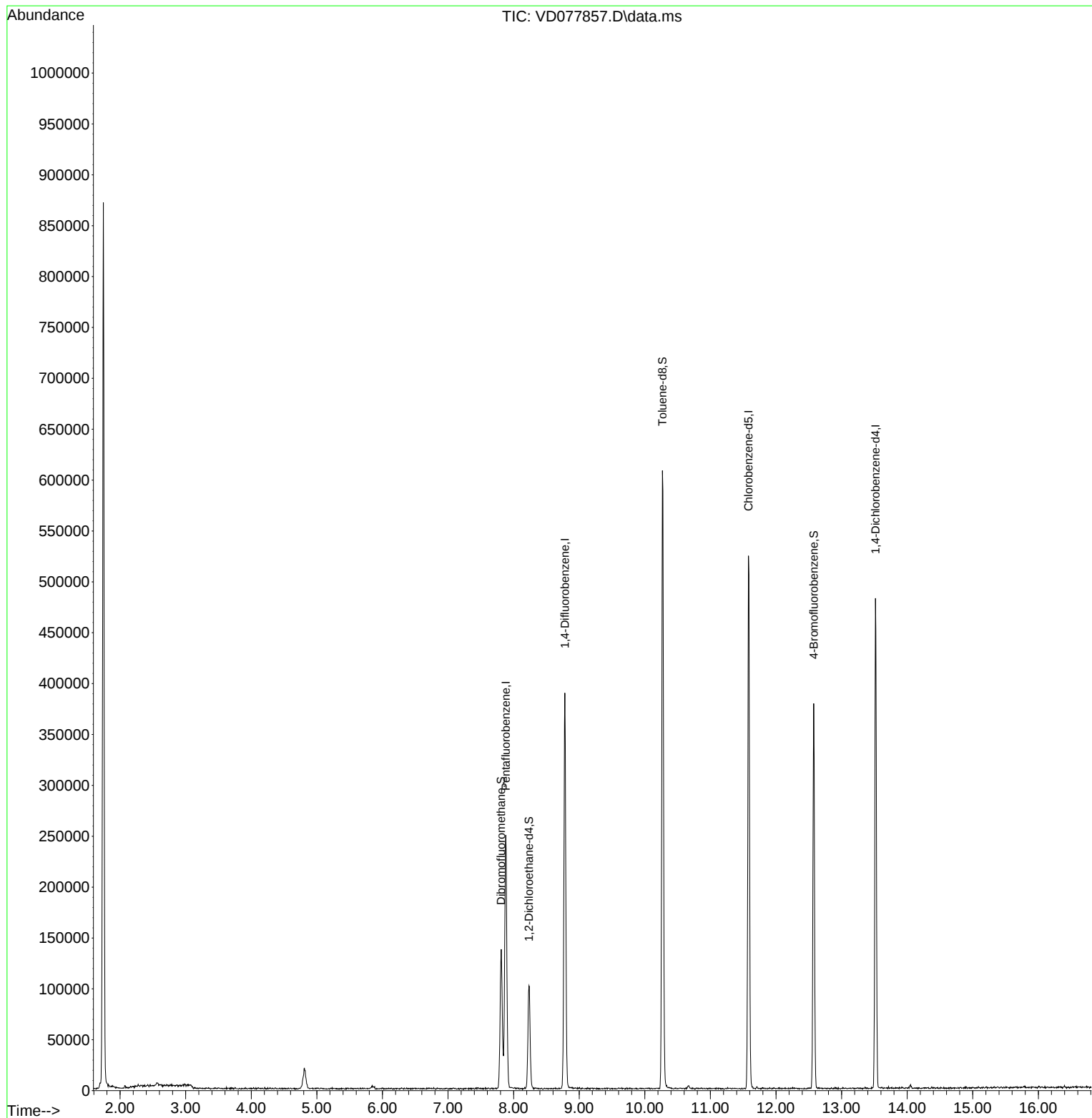
Target Compounds	Qvalue

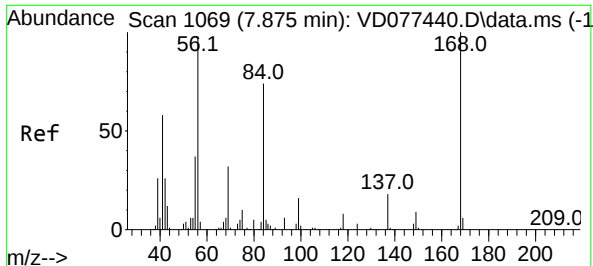
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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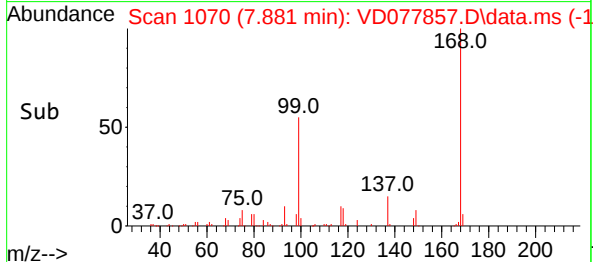
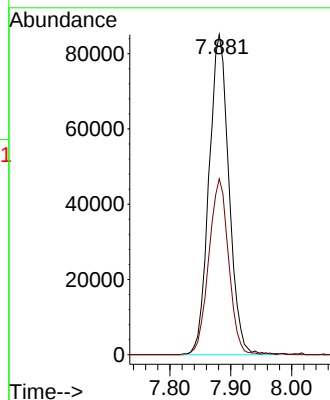
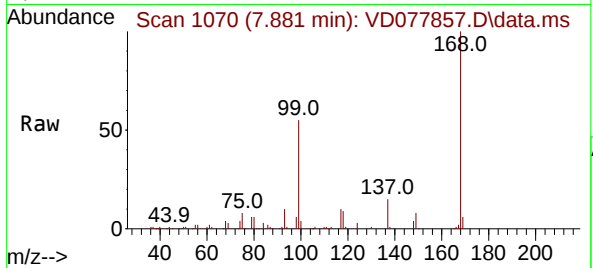




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

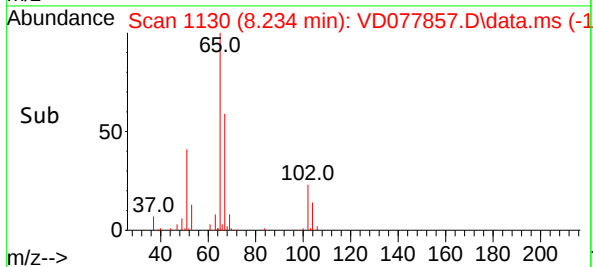
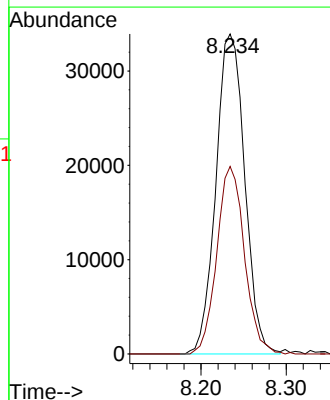
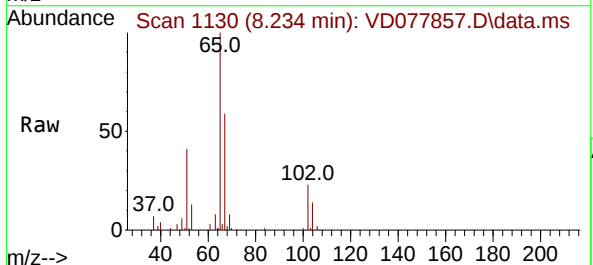
Instrument :
MSVOA_D
ClientSampleId :
SP-E1-GRAB

Tgt Ion:168 Resp: 193304
Ion Ratio Lower Upper
168 100
99 54.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 34.986 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion: 65 Resp: 79692
Ion Ratio Lower Upper
65 100
67 56.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077857.D

Acq: 13 Dec 2023 12:56

Instrument :

MSVOA_D

ClientSampleId :

SP-E1-GRAB

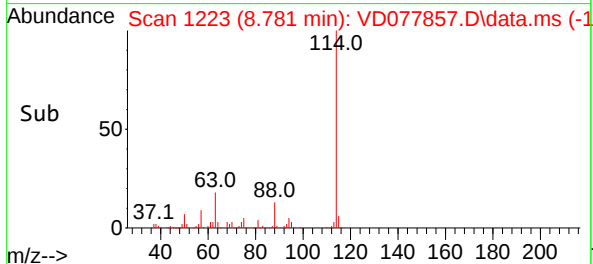
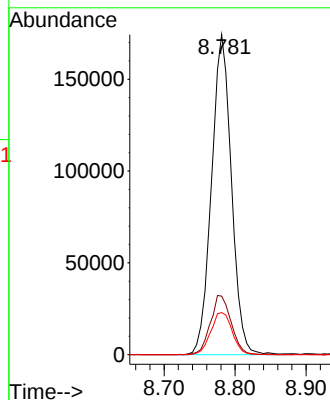
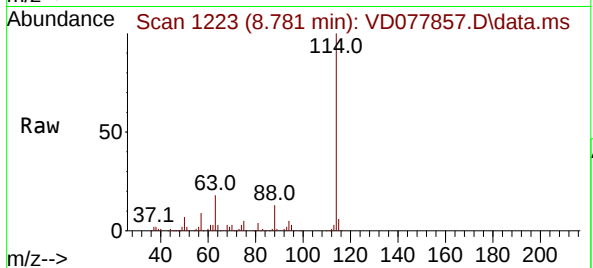
Tgt Ion:114 Resp: 339275

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 40.158 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD077857.D

Acq: 13 Dec 2023 12:56

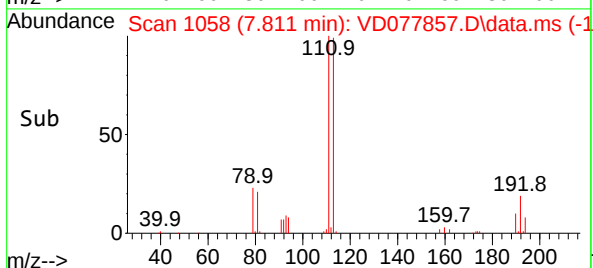
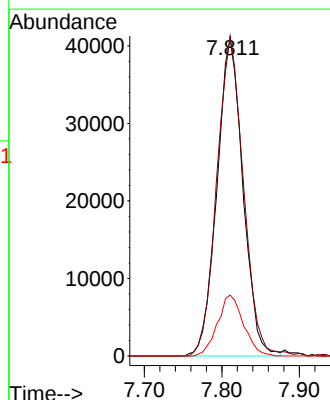
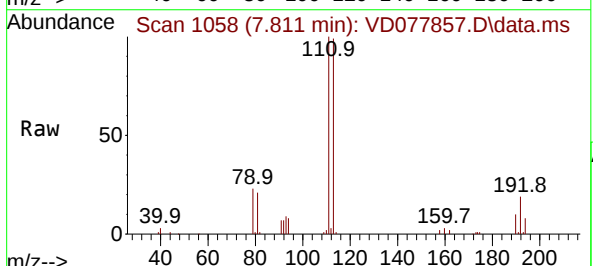
Tgt Ion:113 Resp: 95436

Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 19.1 16.8 25.2

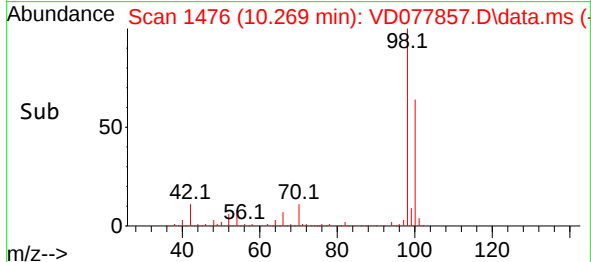
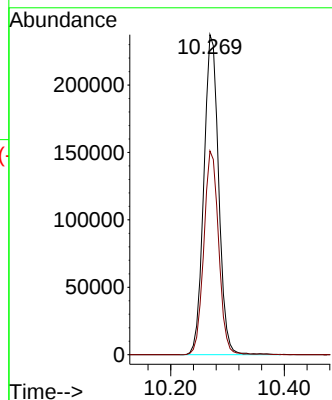
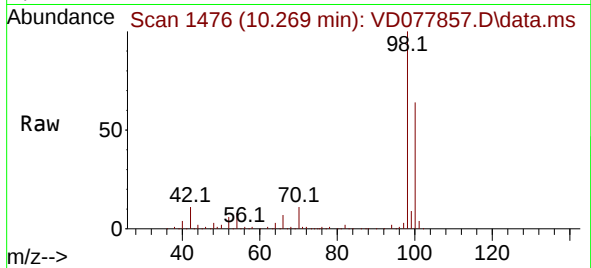




#50
Toluene-d8
Concen: 45.057 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

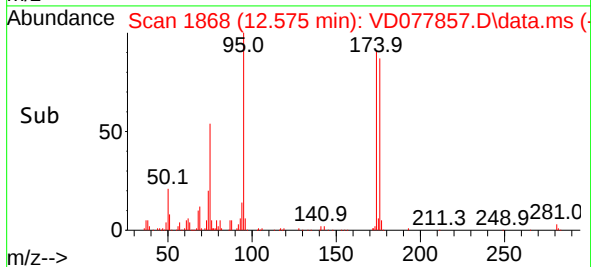
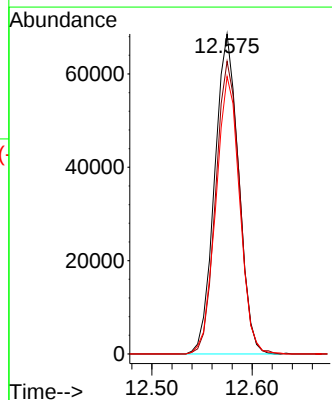
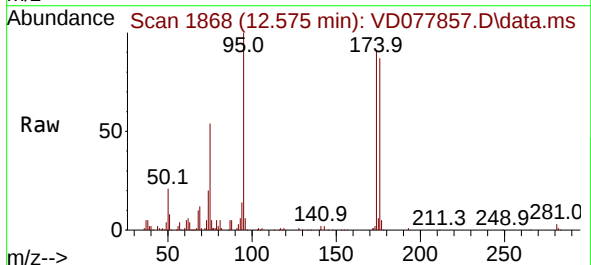
Instrument :
MSVOA_D
ClientSampleId :
SP-E1-GRAB

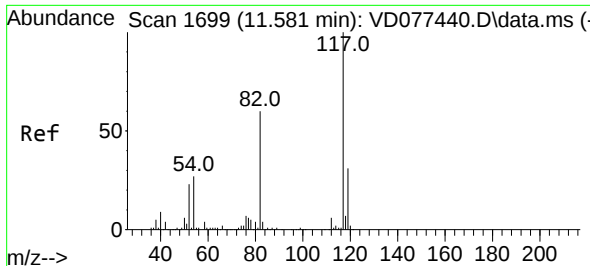
Tgt Ion: 98 Resp: 428863
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 39.992 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion: 95 Resp: 113806
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 86.2 0.0 191.8

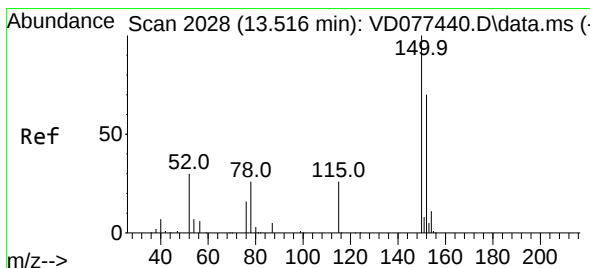
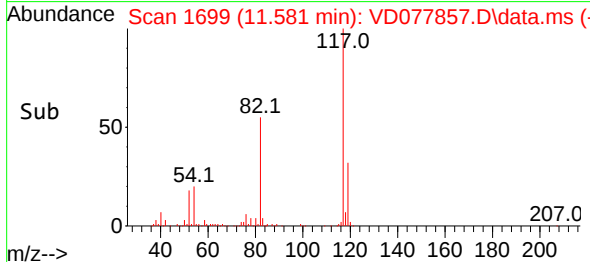
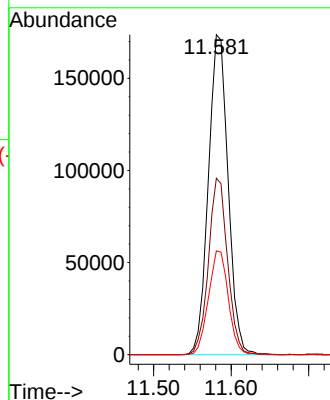
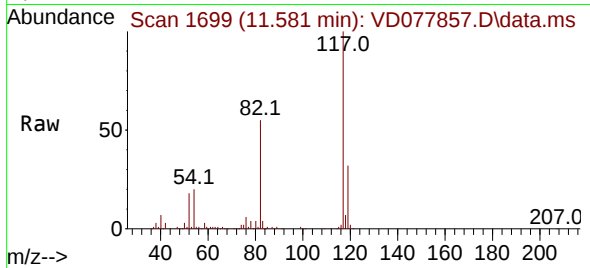




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Instrument :
MSVOA_D
ClientSampleId :
SP-E1-GRAB

Tgt Ion:117 Resp: 306503
Ion Ratio Lower Upper
117 100
82 55.2 38.3 57.5
119 32.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion:152 Resp: 128163
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 158.6 0.0 353.6

