

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077829.D
 Acq On : 11 Dec 2023 23:19
 Operator : JC/SY
 Sample : 05657-01
 Misc : 5.44G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 205-199

Quant Time: Dec 12 00:54:41 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	174613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	367334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	345203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	154472	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	97448	47.361	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.720%
35) Dibromofluoromethane	7.816	113	112875	43.868	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.740%
50) Toluene-d8	10.269	98	466046	45.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.440%
62) 4-Bromofluorobenzene	12.575	95	134619	43.693	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.380%

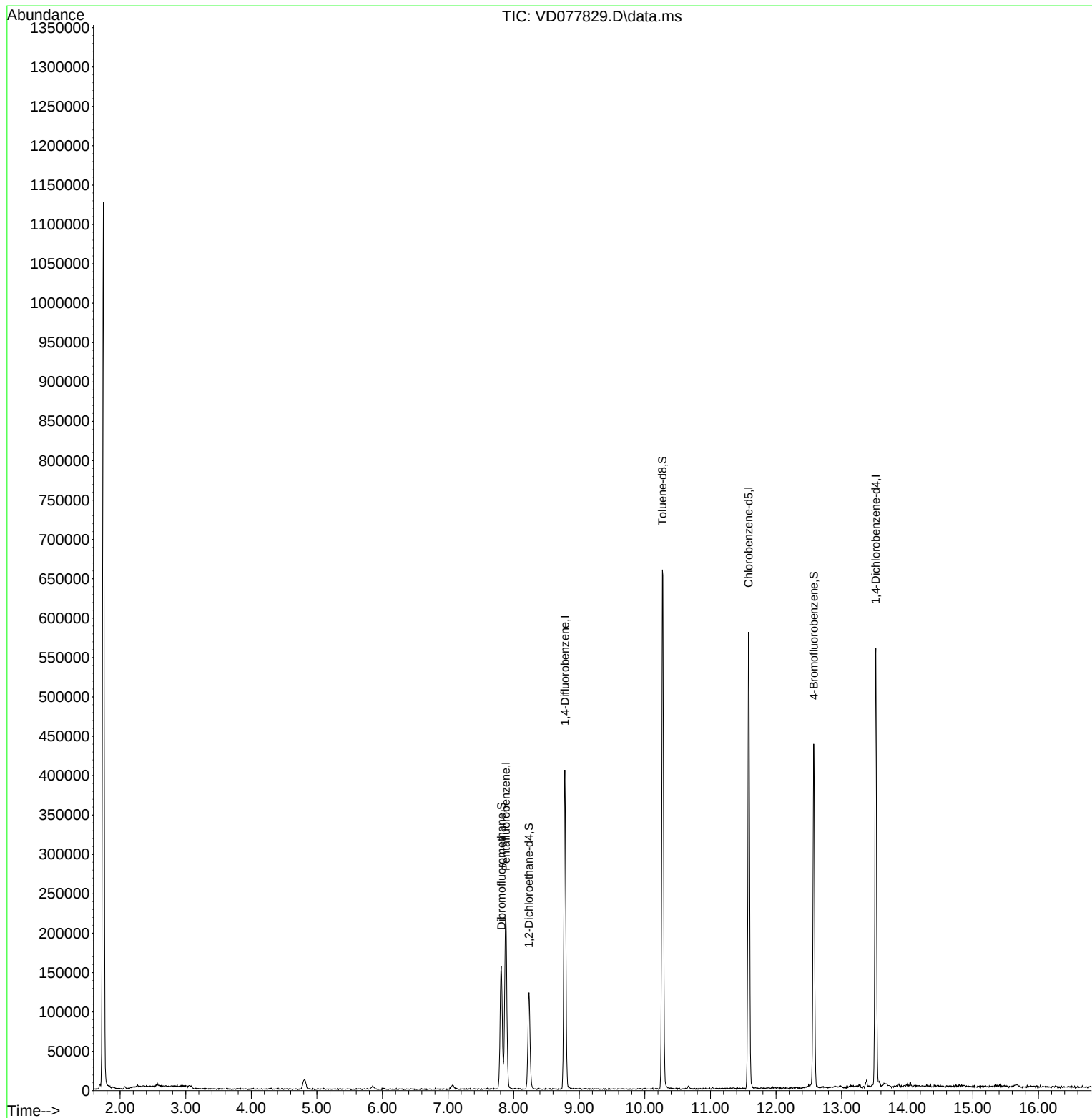
Target Compounds	Qvalue

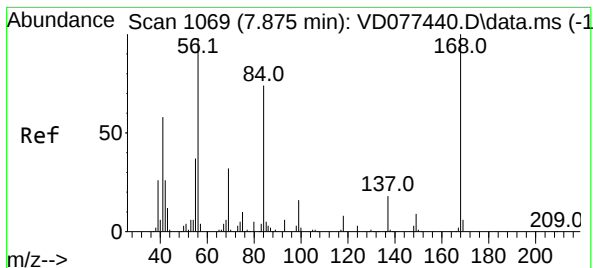
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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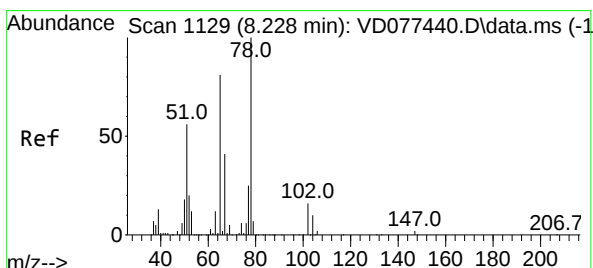
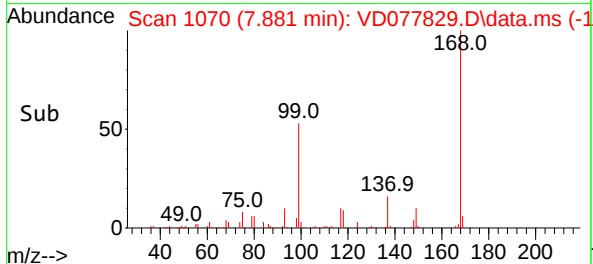
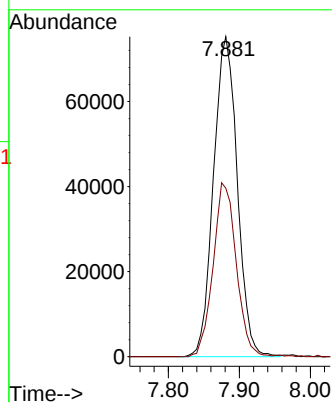
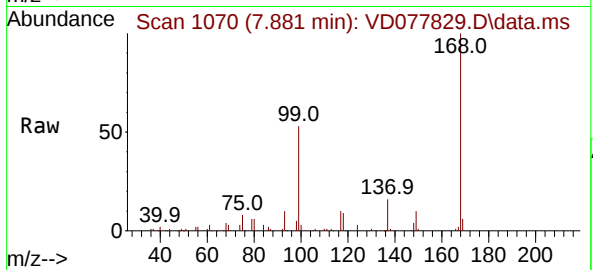




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

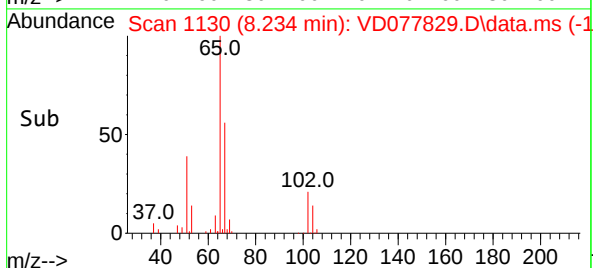
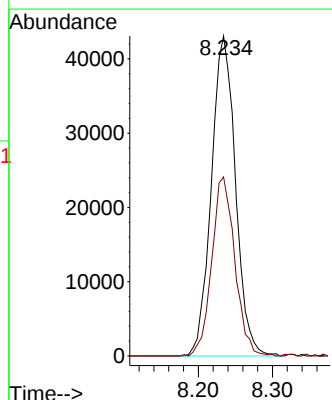
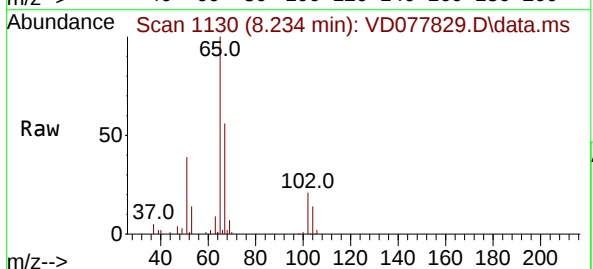
Instrument :
MSVOA_D
ClientSampleId :
205-199

Tgt Ion:168 Resp: 174613
Ion Ratio Lower Upper
168 100
99 52.7 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 47.361 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion: 65 Resp: 97448
Ion Ratio Lower Upper
65 100
67 53.5 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: VD077829.D

Acq: 11 Dec 2023 23:19

Instrument :

MSVOA_D

ClientSampleId :

205-199

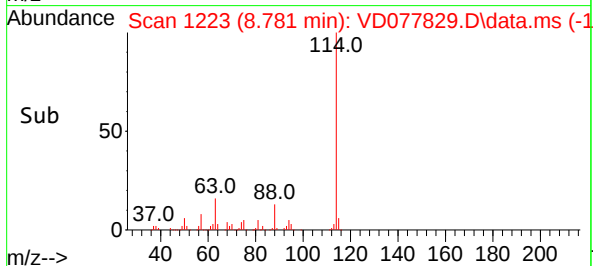
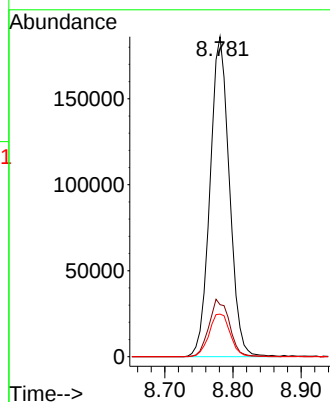
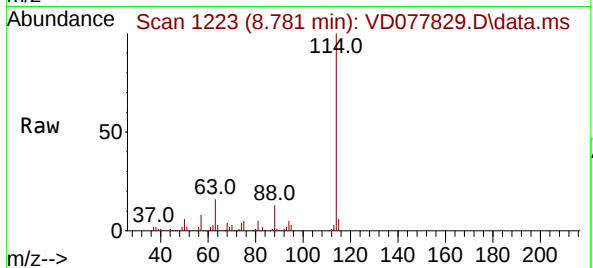
Tgt Ion:114 Resp: 367334

Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.868 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.012 min

Lab File: VD077829.D

Acq: 11 Dec 2023 23:19

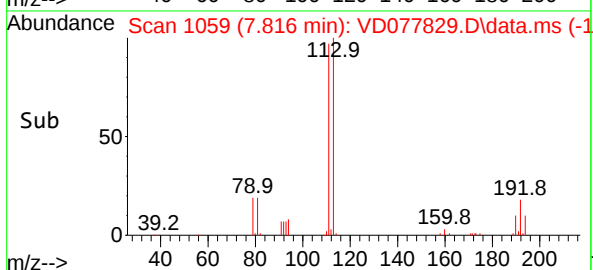
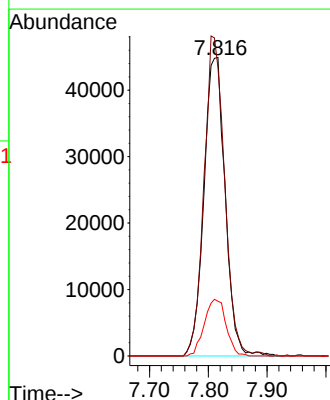
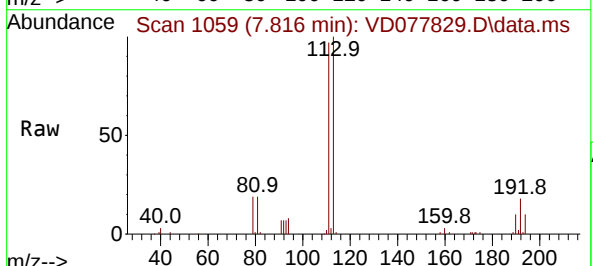
Tgt Ion:113 Resp: 112875

Ion Ratio Lower Upper

113 100

111 103.0 84.7 127.1

192 19.4 16.8 25.2

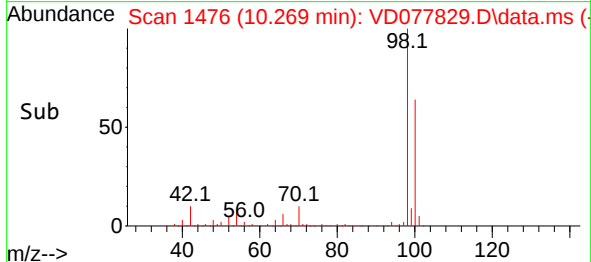
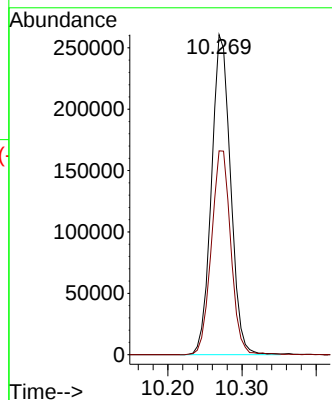
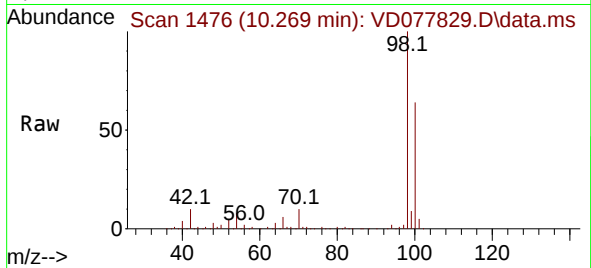




#50
Toluene-d8
Concen: 45.223 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

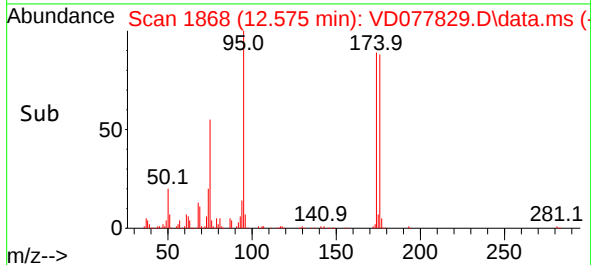
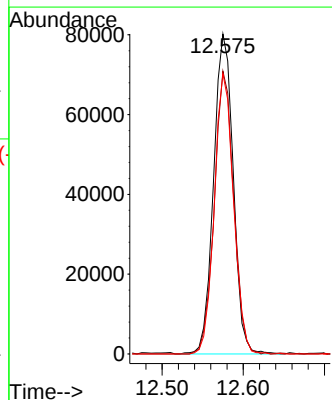
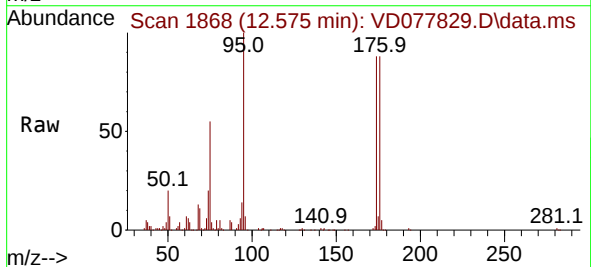
Instrument :
MSVOA_D
ClientSampleId :
205-199

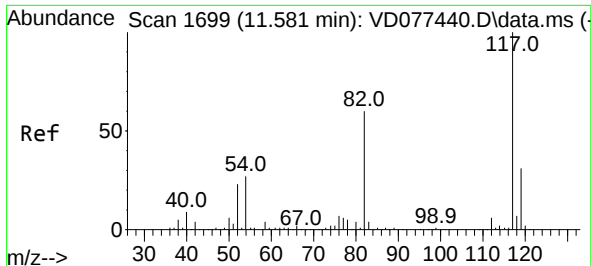
Tgt Ion: 98 Resp: 466046
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.693 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion: 95 Resp: 134619
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 85.9 0.0 191.8

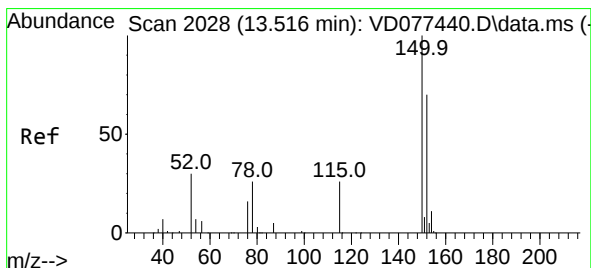
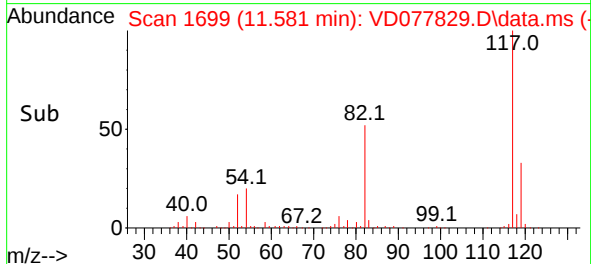
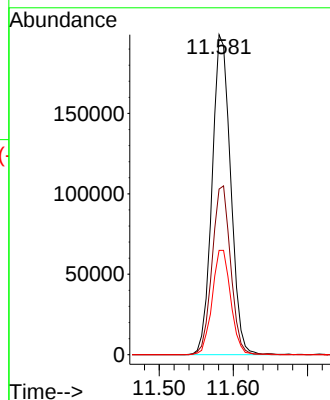
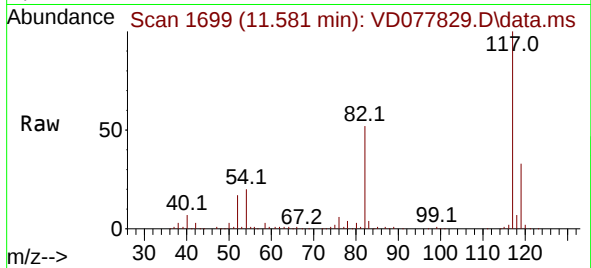




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Instrument :
MSVOA_D
ClientSampleId :
205-199

Tgt Ion:117 Resp: 345203
Ion Ratio Lower Upper
117 100
82 51.7 38.3 57.5
119 32.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077829.D
Acq: 11 Dec 2023 23:19

Tgt Ion:152 Resp: 154472
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 158.4 0.0 353.6

