

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077814.D
 Acq On : 11 Dec 2023 16:35
 Operator : JC/SY
 Sample : 05639-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E8965C-CC-001

Quant Time: Dec 11 17:05:26 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	140568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	331457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85348	51.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.060%
35) Dibromofluoromethane	7.810	113	108342	46.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.320%
50) Toluene-d8	10.269	98	445254	47.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.760%
62) 4-Bromofluorobenzene	12.575	95	118336	42.565	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.120%

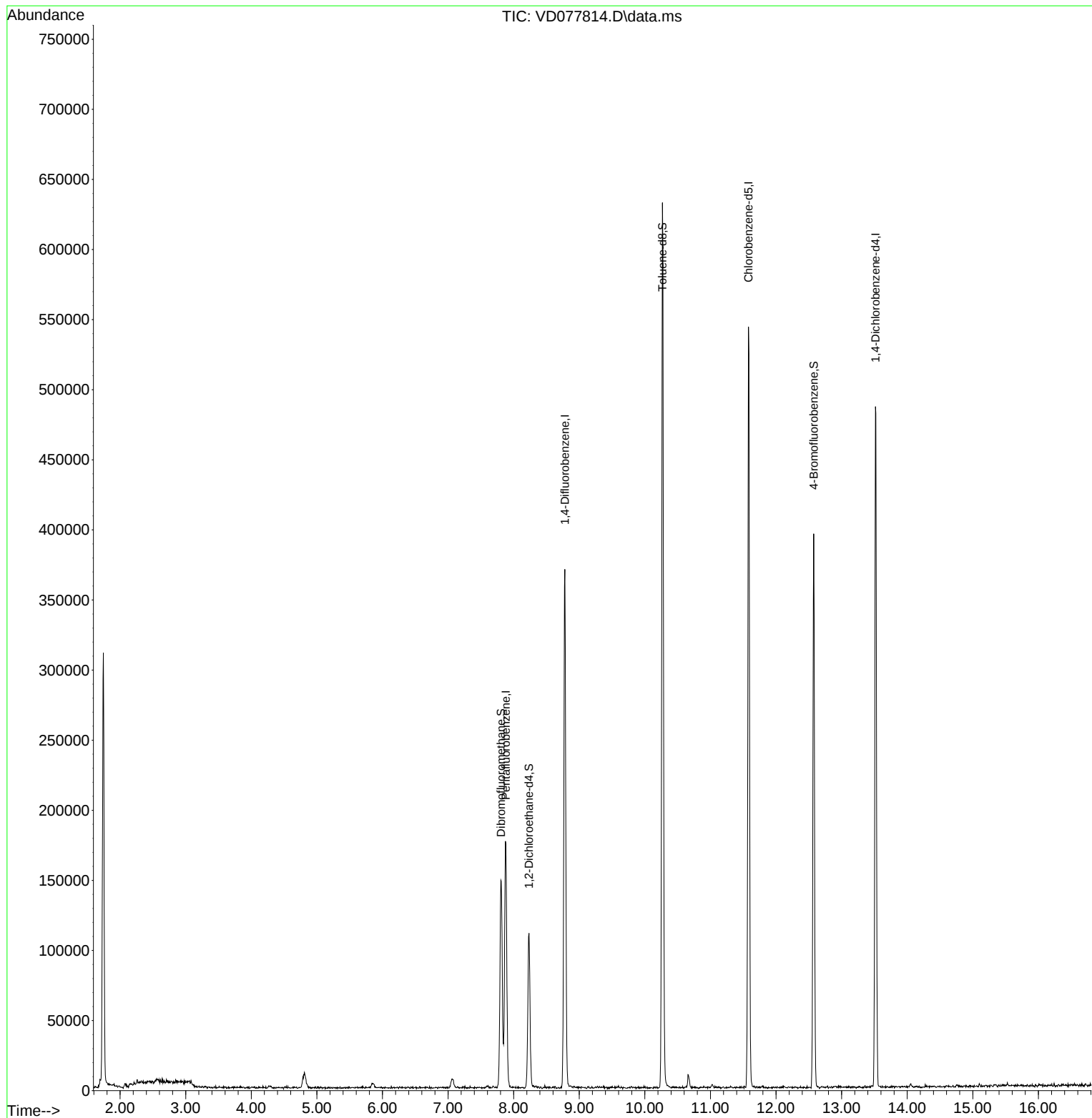
Target Compounds	Qvalue

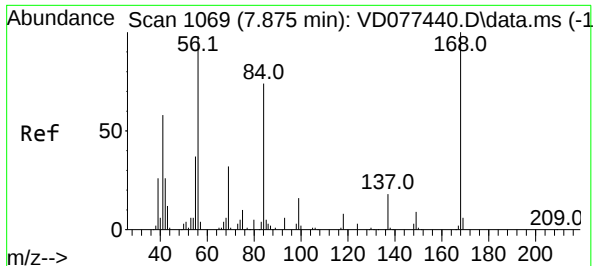
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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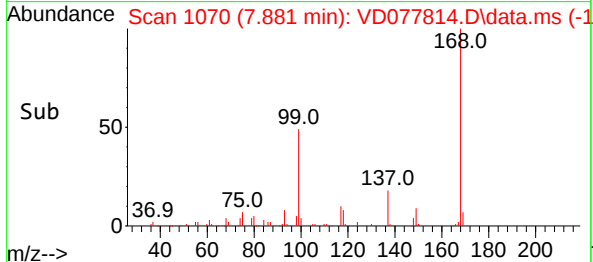
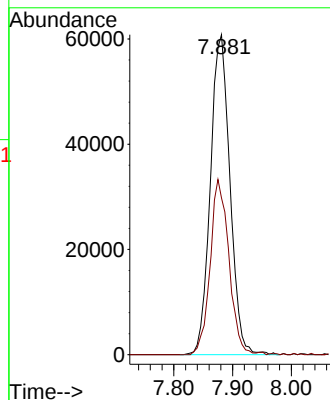
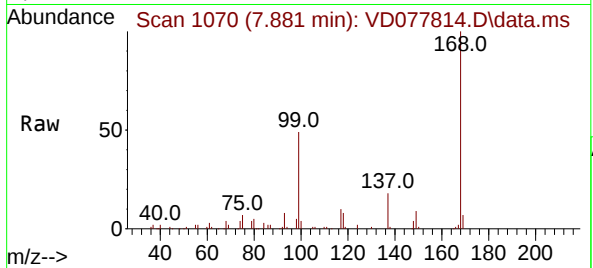




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

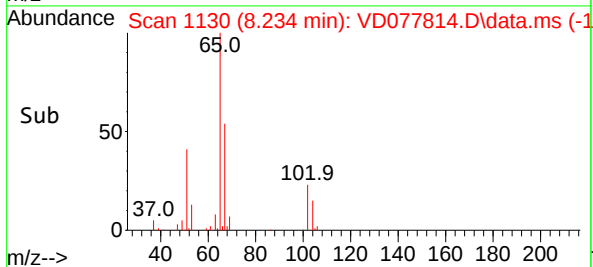
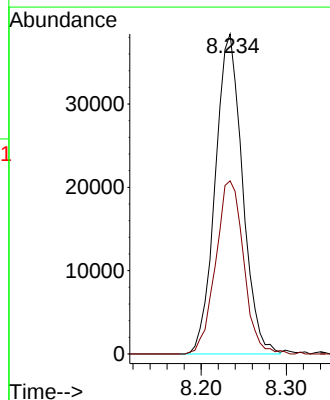
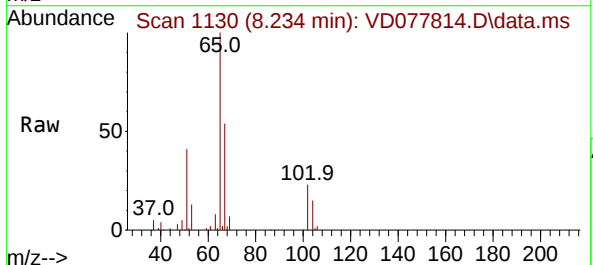
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

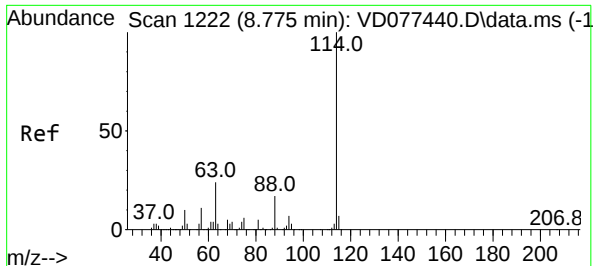
Tgt Ion:168 Resp: 140568
Ion Ratio Lower Upper
168 100
99 49.0 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 51.526 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 65 Resp: 85348
Ion Ratio Lower Upper
65 100
67 55.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077814.D

Acq: 11 Dec 2023 16:35

Instrument :

MSVOA_D

ClientSampleId :

E8965C-CC-001

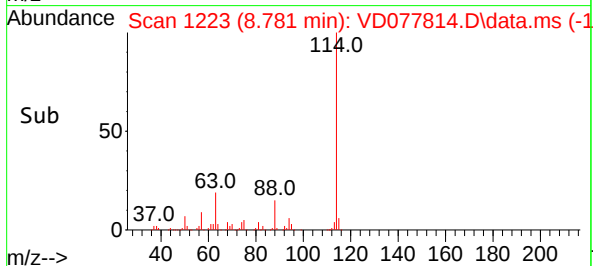
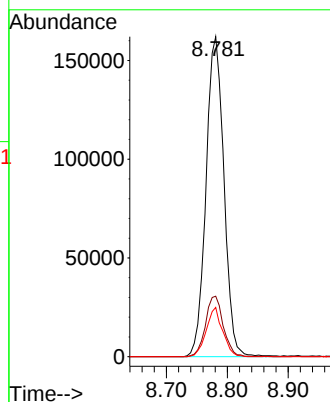
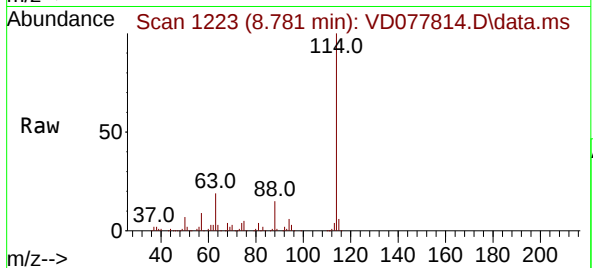
Tgt Ion:114 Resp: 331457

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 15.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.664 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077814.D

Acq: 11 Dec 2023 16:35

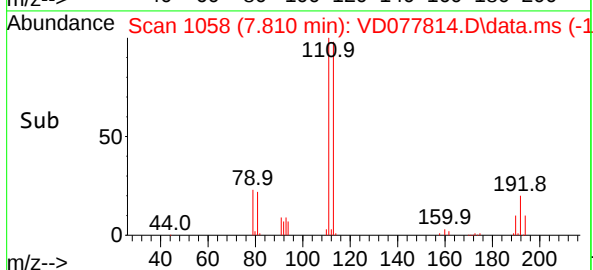
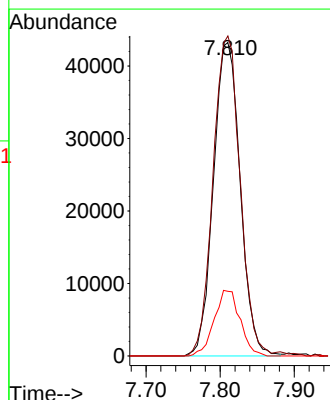
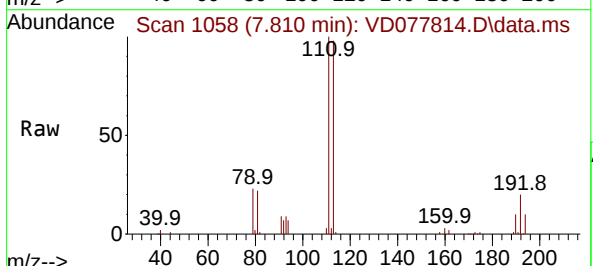
Tgt Ion:113 Resp: 108342

Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 20.3 16.8 25.2

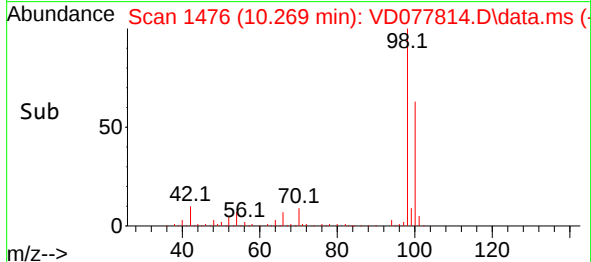
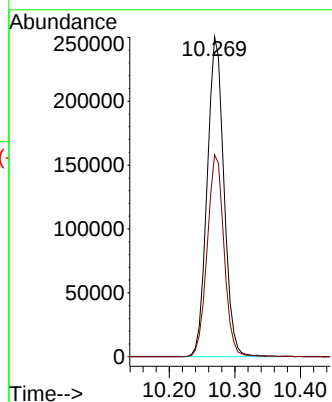
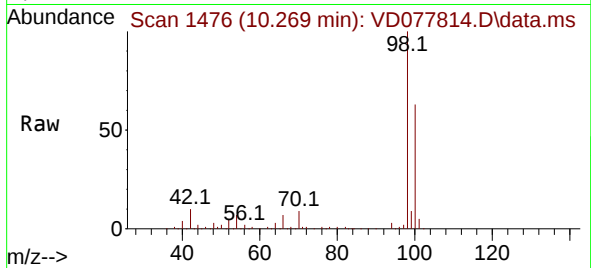




#50
Toluene-d8
Concen: 47.882 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

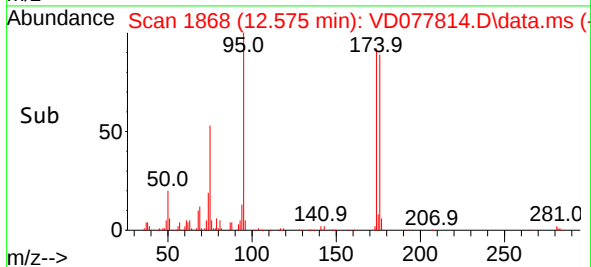
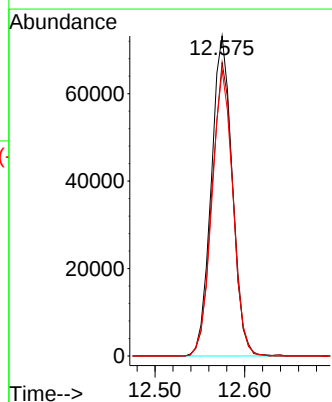
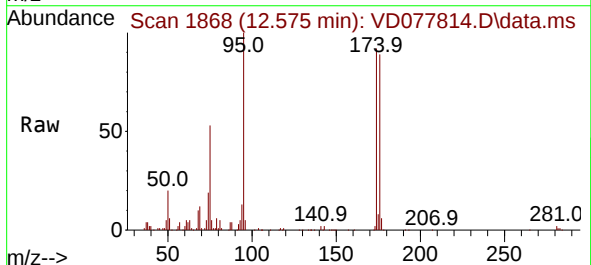
Instrument :
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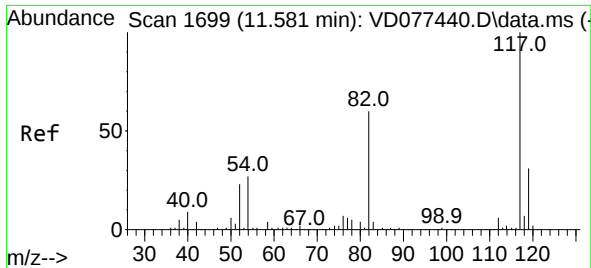
Tgt Ion: 98 Resp: 445254
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.565 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 95 Resp: 118336
Ion Ratio Lower Upper
95 100
174 92.1 0.0 201.8
176 89.4 0.0 191.8

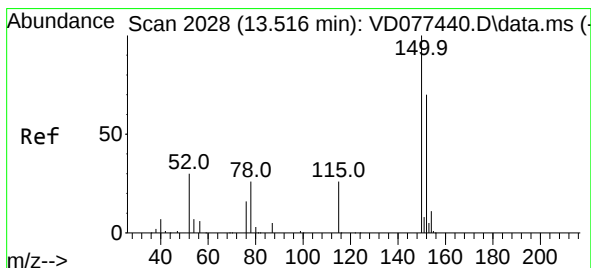
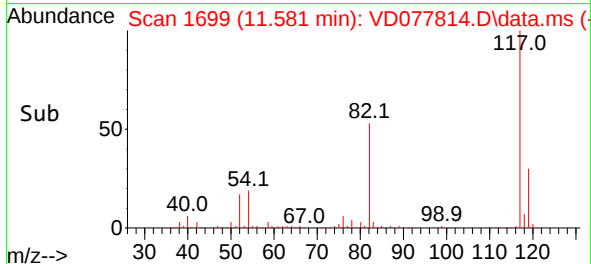
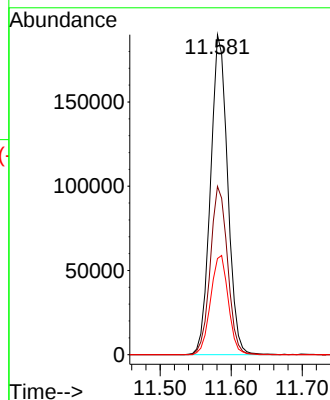
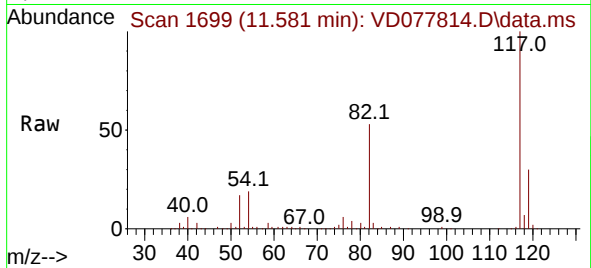




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

Tgt Ion:117 Resp: 317691
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 30.0 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: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion:152 Resp: 135826
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 156.5 0.0 353.6

