

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078033.D
 Acq On : 21 Dec 2023 18:29
 Operator : RP/MD
 Sample : 05877-04
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COM16

Quant Time: Dec 22 05:29:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	171572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	302570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	283657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122900	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74182	36.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.380%
35) Dibromofluoromethane	7.810	113	90809	42.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.700%
50) Toluene-d8	10.269	98	383272	45.152	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.300%
62) 4-Bromofluorobenzene	12.575	95	106414	41.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.860%

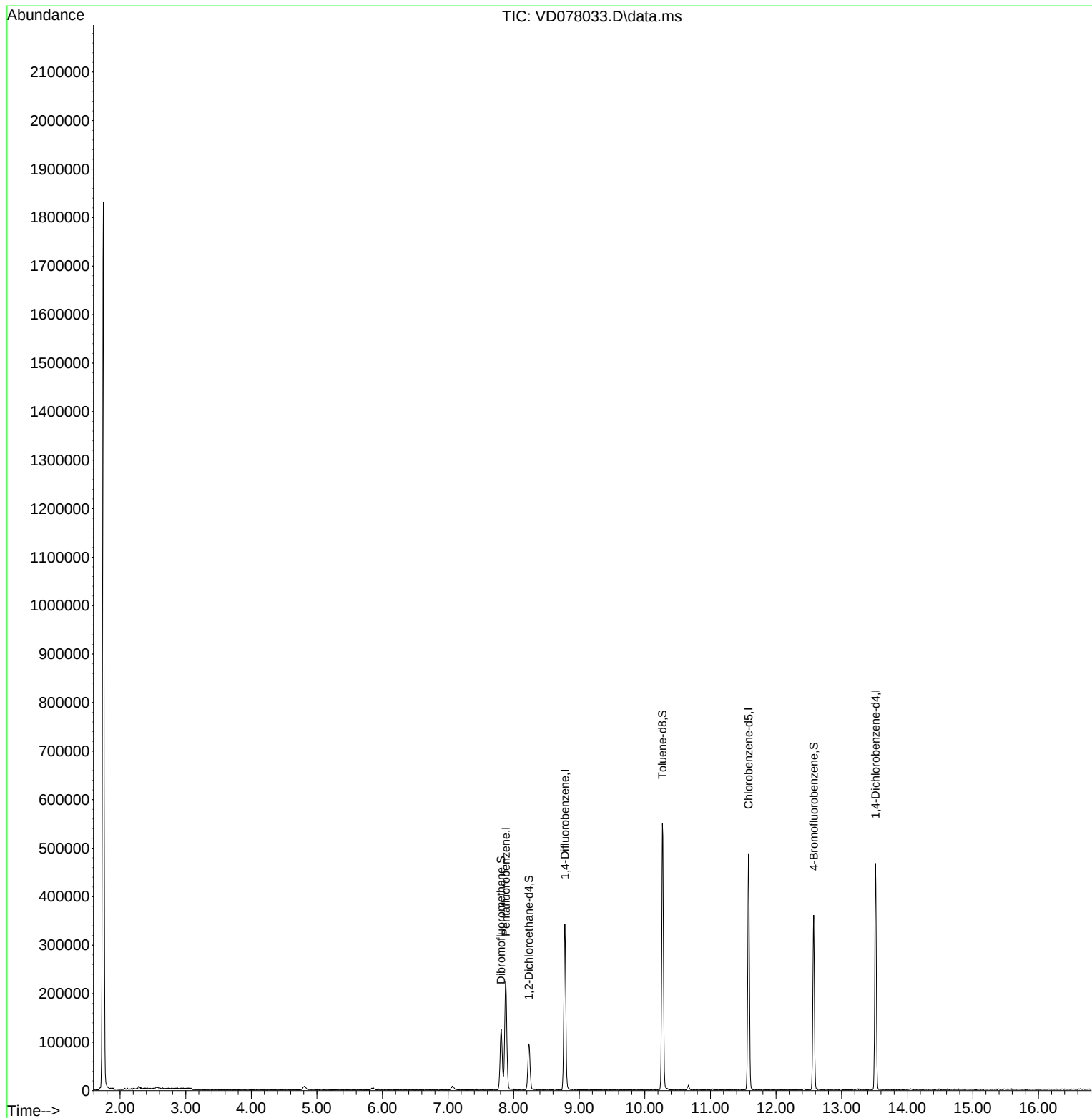
Target Compounds	Qvalue

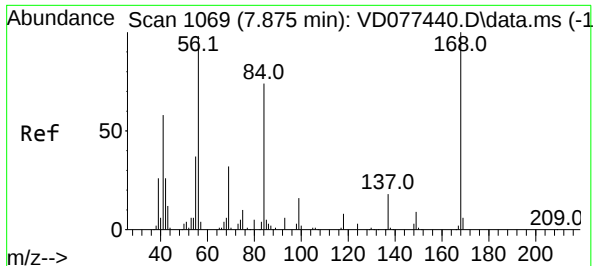
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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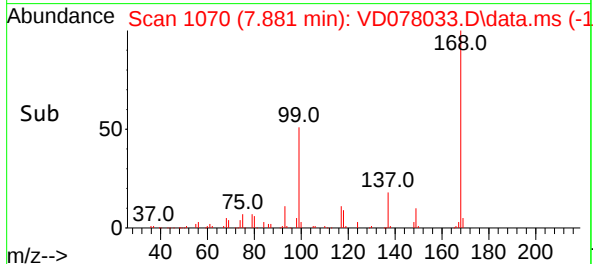
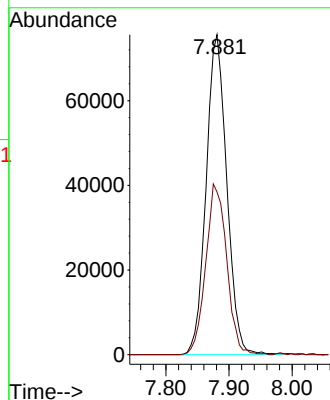
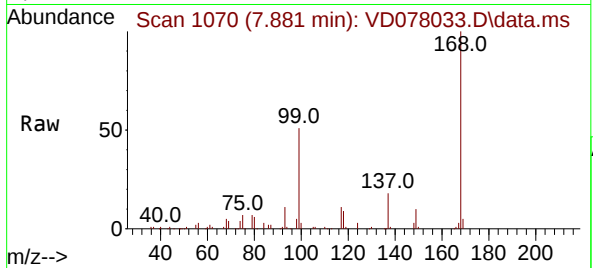




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

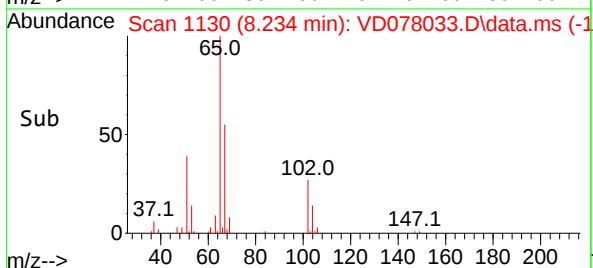
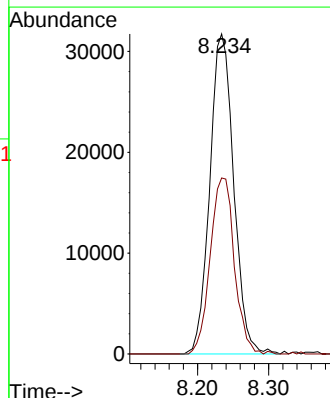
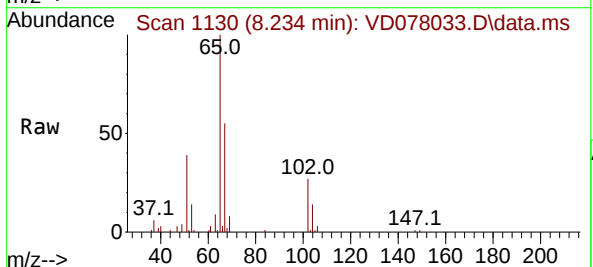
Instrument :
MSVOA_D
ClientSampleId :
COM16

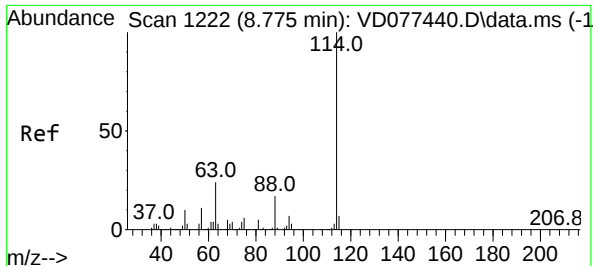
Tgt Ion:168 Resp: 171572
Ion Ratio Lower Upper
168 100
99 50.8 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 36.692 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion: 65 Resp: 74182
Ion Ratio Lower Upper
65 100
67 55.4 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: VD078033.D

Acq: 21 Dec 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

COM16

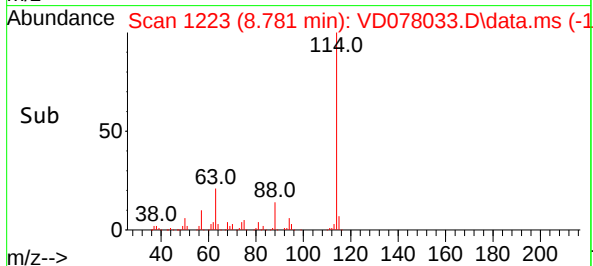
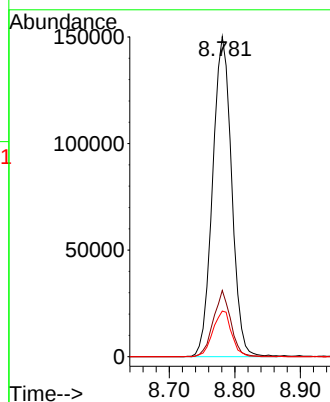
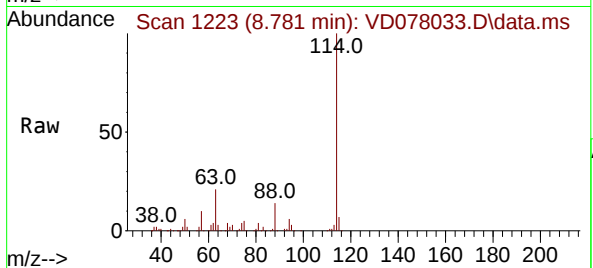
Tgt Ion:114 Resp: 302570

Ion Ratio Lower Upper

114 100

63 20.7 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.847 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078033.D

Acq: 21 Dec 2023 18:29

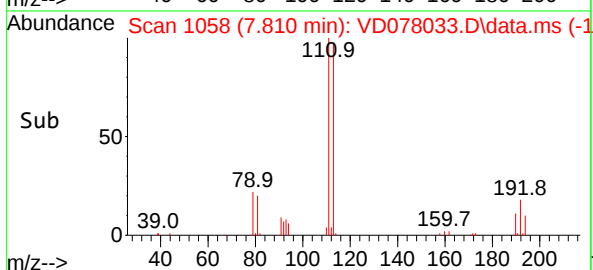
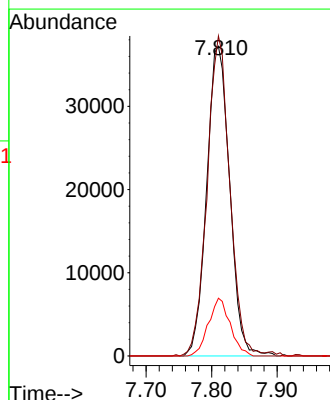
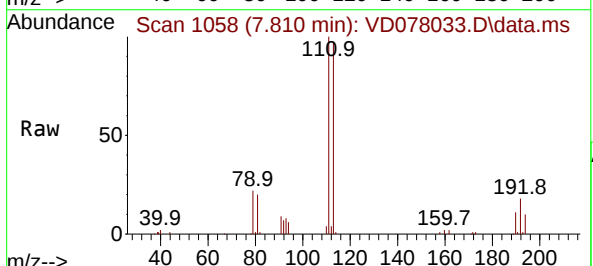
Tgt Ion:113 Resp: 90809

Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 17.6 16.8 25.2

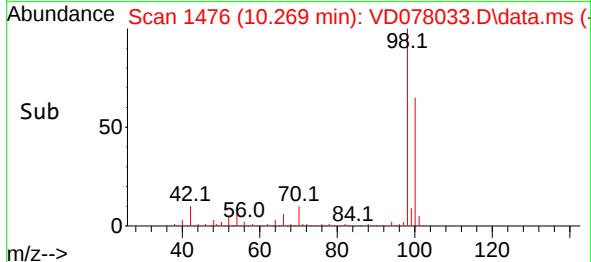
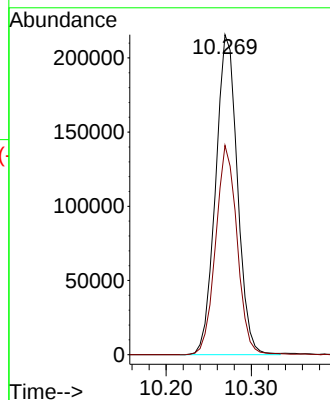
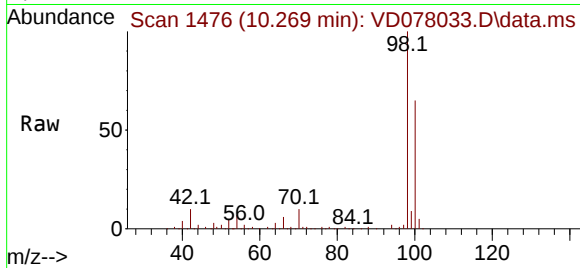




#50
Toluene-d8
Concen: 45.152 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

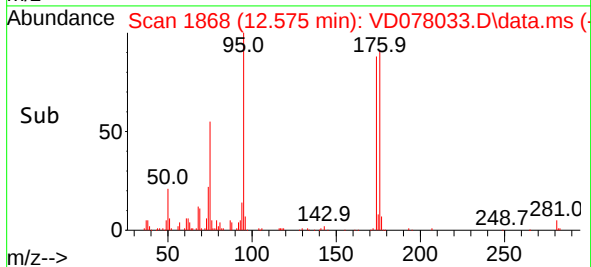
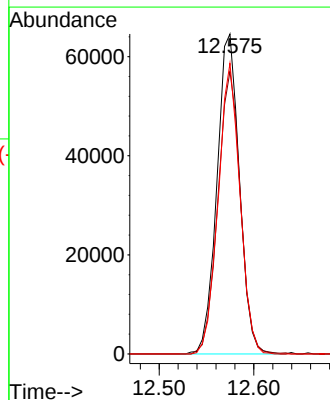
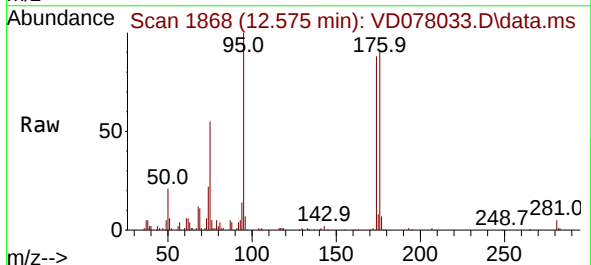
Instrument :
MSVOA_D
ClientSampleId :
COM16

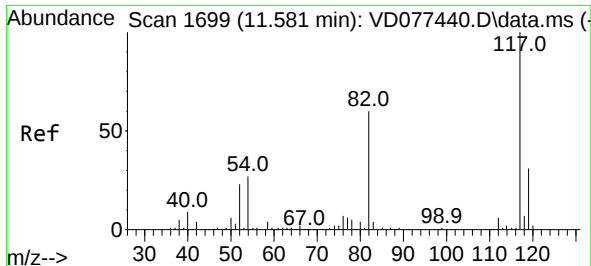
Tgt Ion: 98 Resp: 383272
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.931 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion: 95 Resp: 106414
Ion Ratio Lower Upper
95 100
174 88.6 0.0 201.8
176 87.7 0.0 191.8

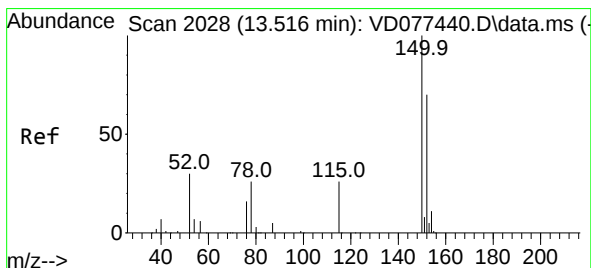
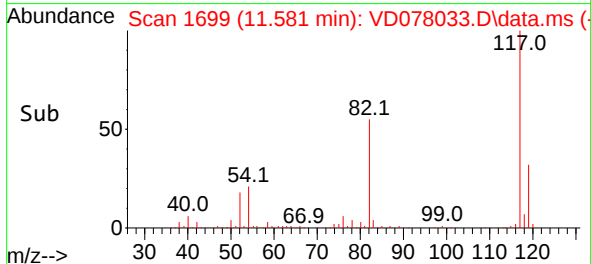
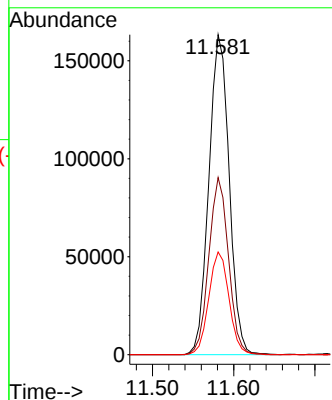
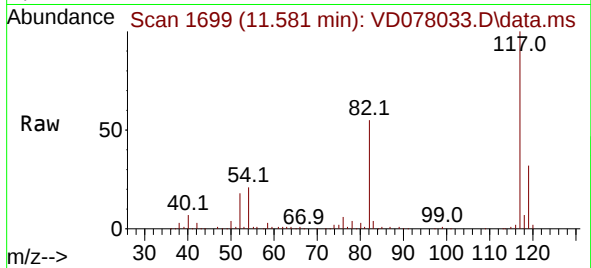




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Instrument :
MSVOA_D
ClientSampleId :
COM16

Tgt Ion:117 Resp: 283657
Ion Ratio Lower Upper
117 100
82 55.3 38.3 57.5
119 32.1 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: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion:152 Resp: 122900
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 157.4 0.0 353.6

