

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072411.D
 Acq On : 24 Mar 2022 16:50
 Operator : VA/SY
 Sample : N2091-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MHB

Quant Time: Mar 25 02:56:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	365940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	619993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	701428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	355029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174713	42.841	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.680%
35) Dibromofluoromethane	7.908	113	191120	43.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.620%
50) Toluene-d8	10.338	98	783159	49.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.180%
62) 4-Bromofluorobenzene	12.626	95	340510	54.933	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.860%

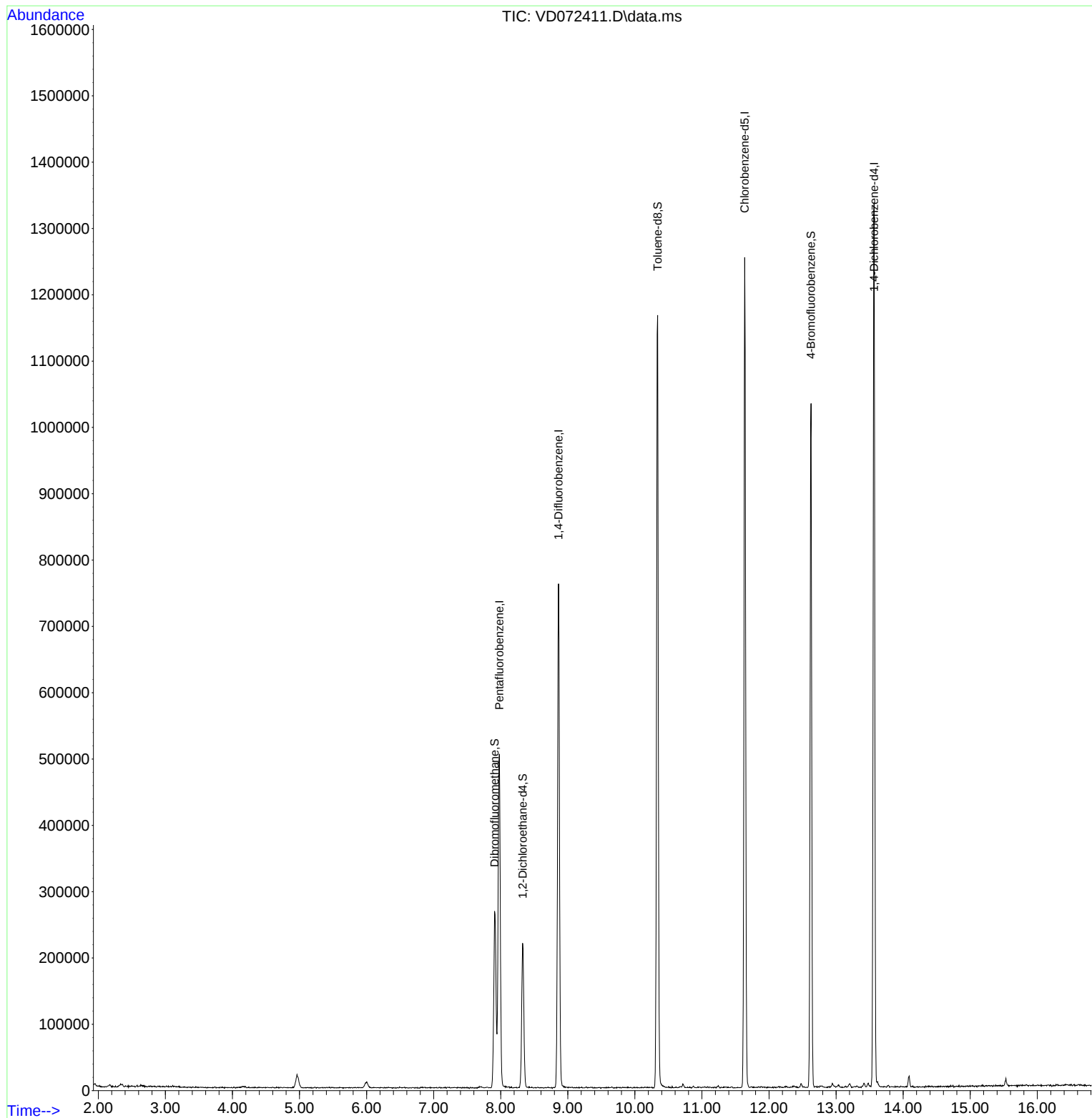
Target Compounds	Qvalue

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

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. 0.006 min

Lab File: VD072411.D

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Instrument :

MSVOA_D

ClientSampleId :

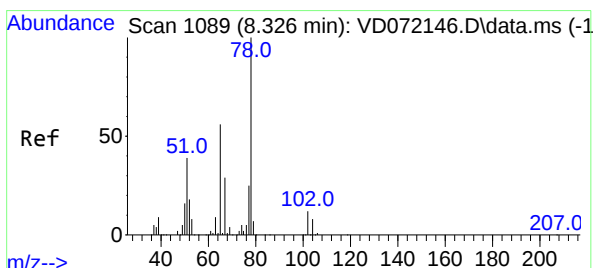
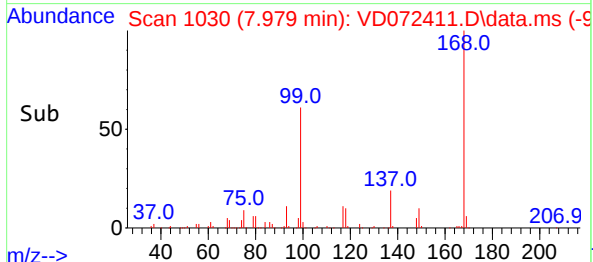
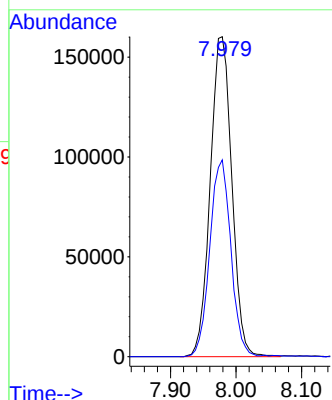
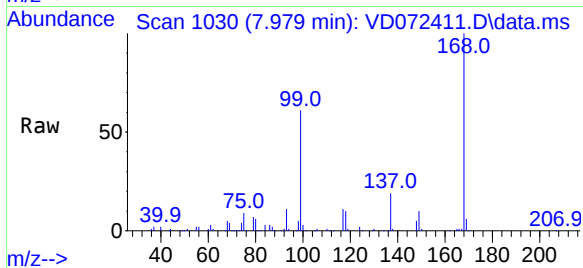
MHB

Tgt Ion:168 Resp: 365940

Ion Ratio Lower Upper

168 100

99 61.5 49.8 74.6



1,2-Dichloroethane-d4

Concen: 42.841 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072411.D

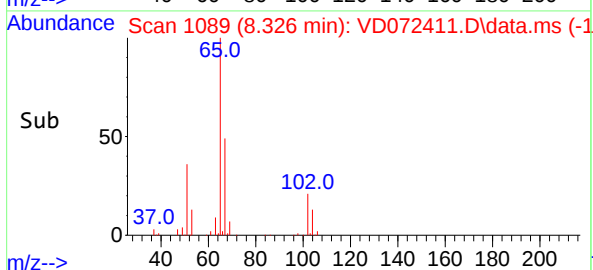
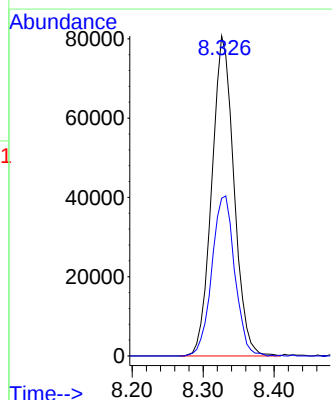
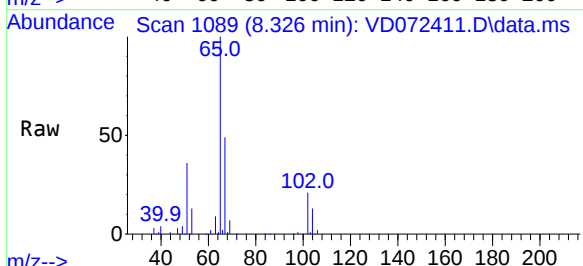
Acq: 24 Mar 2022 16:50

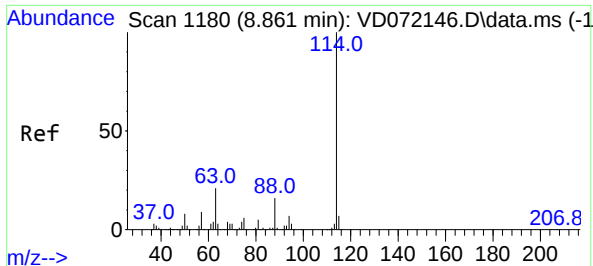
Tgt Ion: 65 Resp: 174713

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072411.D

Acq: 24 Mar 2022 16:50

Instrument :

MSVOA_D

ClientSampleId :

MHB

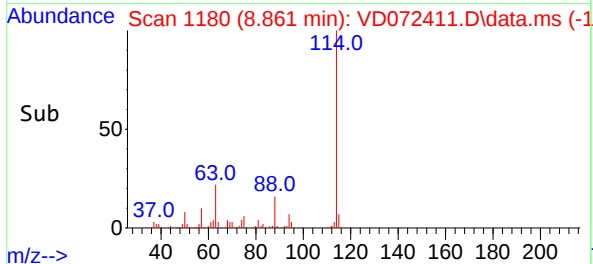
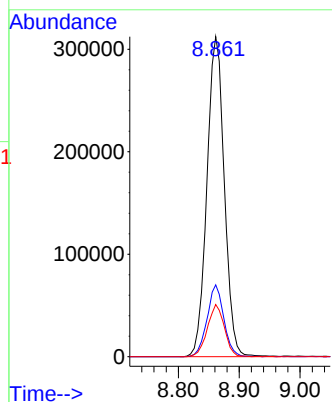
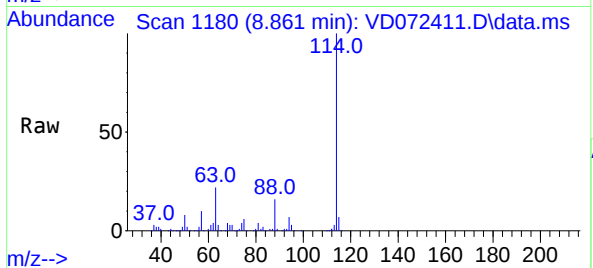
Tgt Ion:114 Resp: 619993

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.805 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072411.D

Acq: 24 Mar 2022 16:50

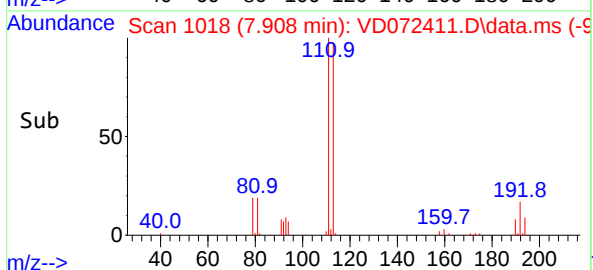
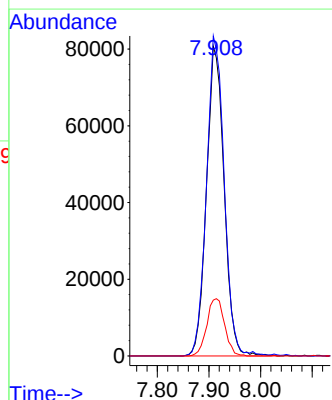
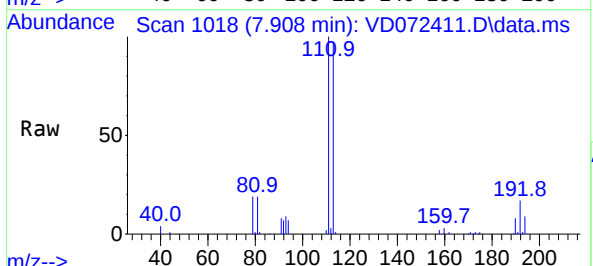
Tgt Ion:113 Resp: 191120

Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 18.6 14.6 21.8

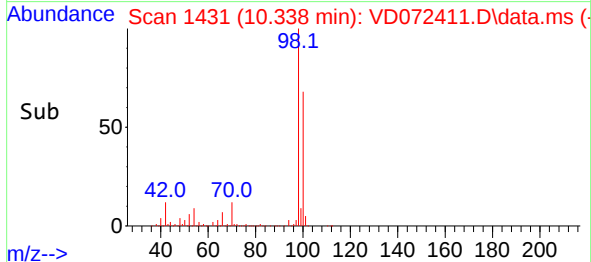
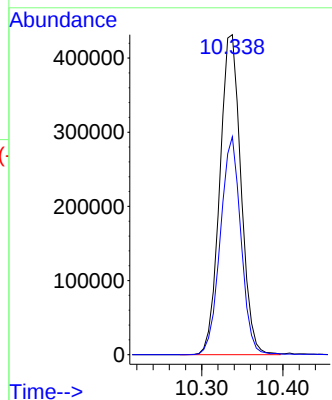
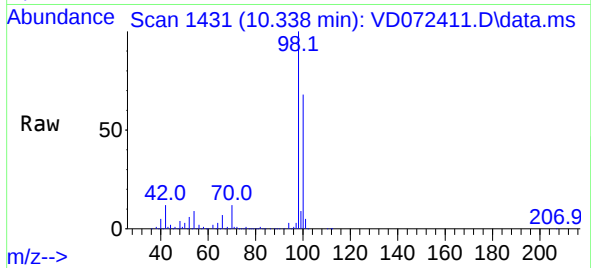




#50
Toluene-d8
Concen: 49.091 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072411.D
Acq: 24 Mar 2022 16:50

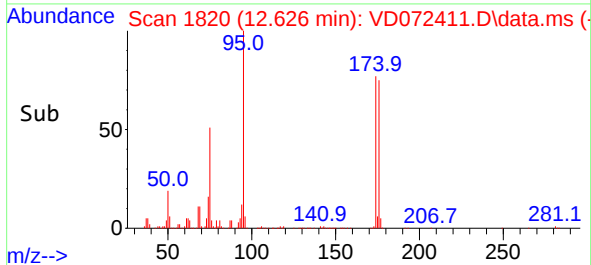
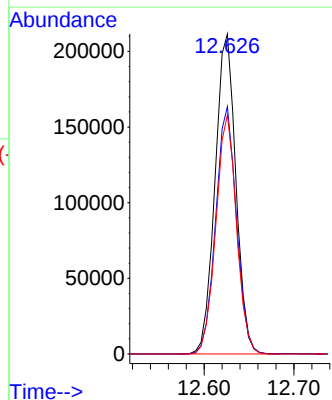
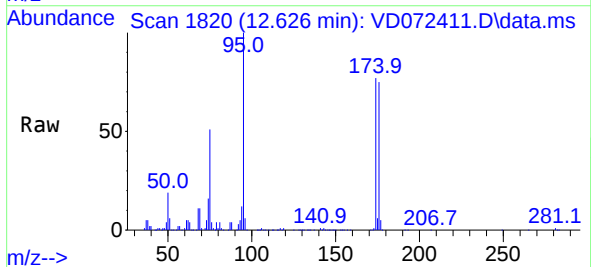
Instrument :
MSVOA_D
ClientSampleId :
MHB

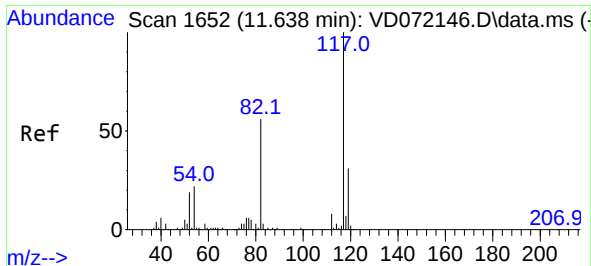
Tgt Ion: 98 Resp: 783159
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.933 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072411.D
Acq: 24 Mar 2022 16:50

Tgt Ion: 95 Resp: 340510
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 73.7 0.0 145.4

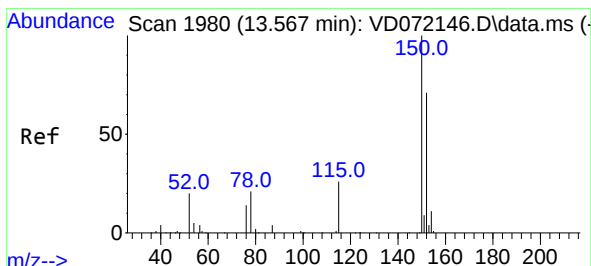
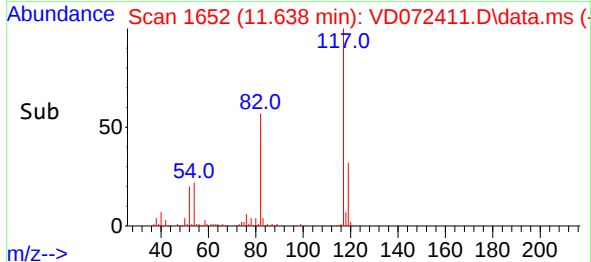
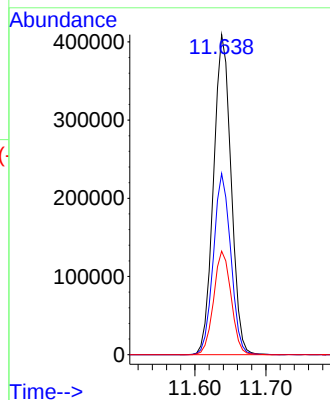
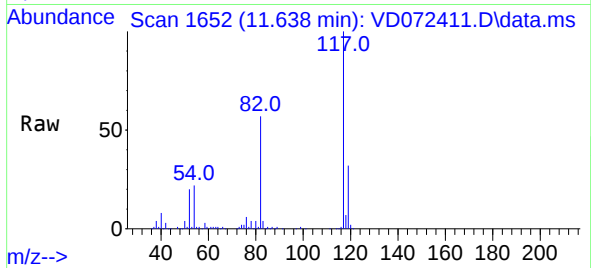




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072411.D
Acq: 24 Mar 2022 16:50

Instrument :
MSVOA_D
ClientSampleId :
MHB

Tgt Ion:117 Resp: 701428
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 32.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072411.D
Acq: 24 Mar 2022 16:50

Tgt Ion:152 Resp: 355029
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 156.4 0.0 348.6

