

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013609.D
 Acq On : 04 May 2023 18:46
 Operator : KP/MD
 Sample : 02588-11
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-D-3-6-05022023

Quant Time: May 05 01:01:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	210328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	343294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	157509	68.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.620%
35) Dibromofluoromethane	7.716	113	120015	54.008	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.020%
50) Toluene-d8	10.179	98	437813	55.383	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.760%
62) 4-Bromofluorobenzene	12.477	95	140104	52.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.140%

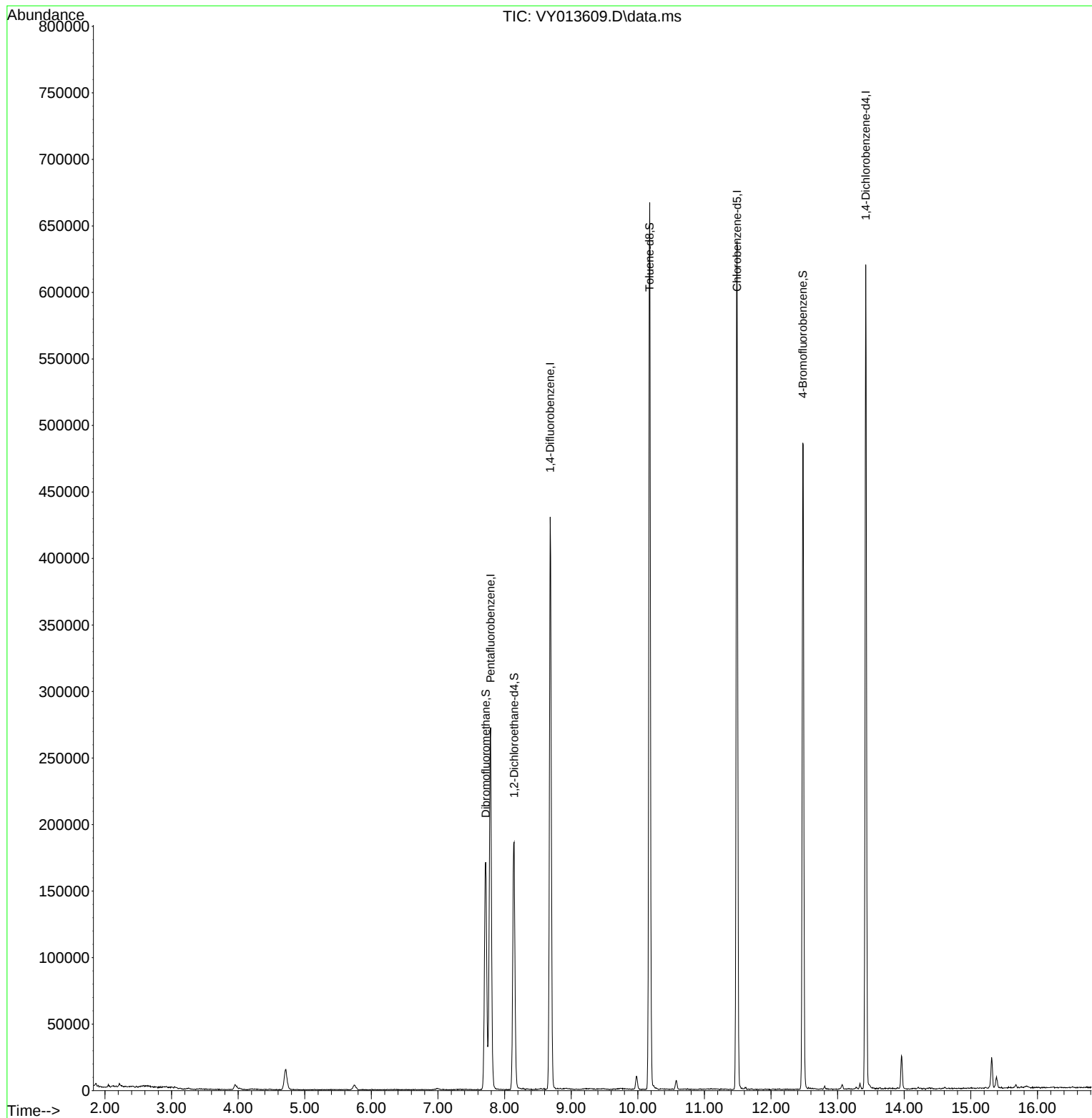
Target Compounds	Qvalue

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

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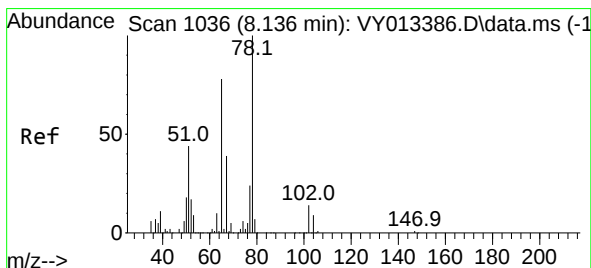
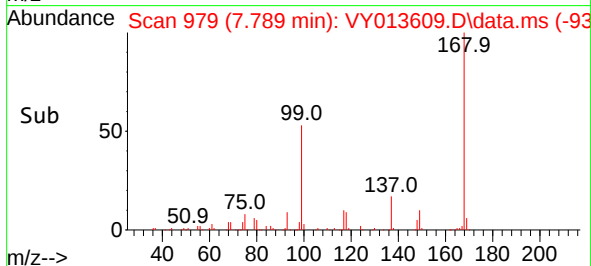
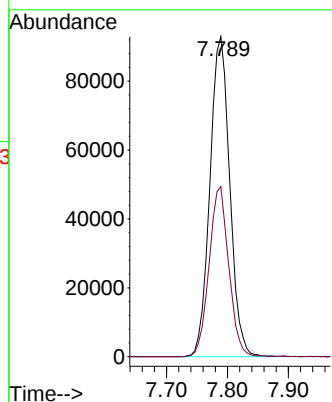
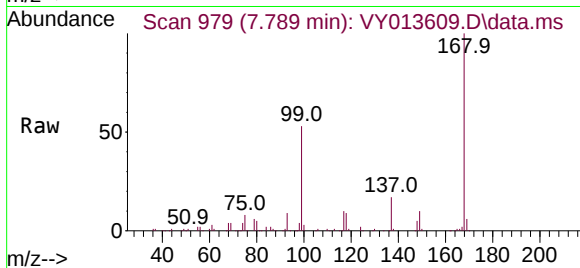




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013609.D
Acq: 04 May 2023 18:46

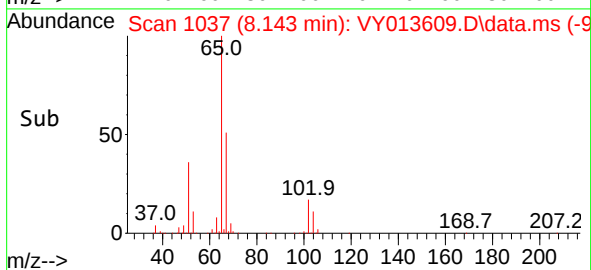
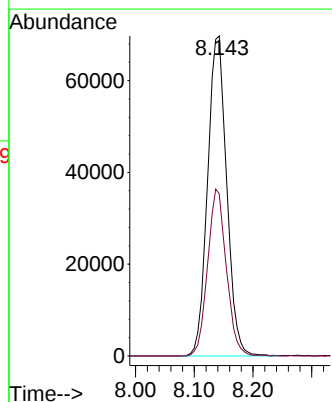
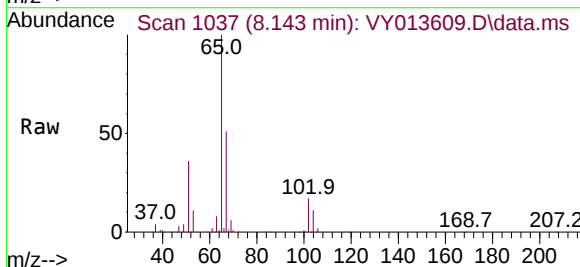
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-3-6-05022023

Tgt Ion:168 Resp: 210328
Ion Ratio Lower Upper
168 100
99 53.1 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 68.314 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013609.D
Acq: 04 May 2023 18:46

Tgt Ion: 65 Resp: 157509
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013609.D

Acq: 04 May 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-D-3-6-05022023

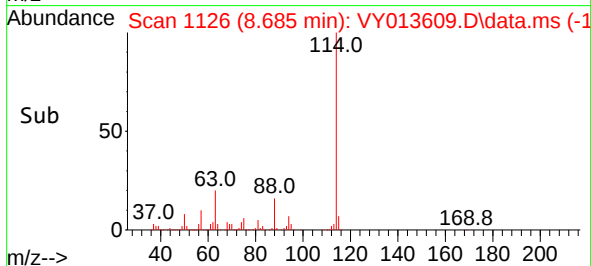
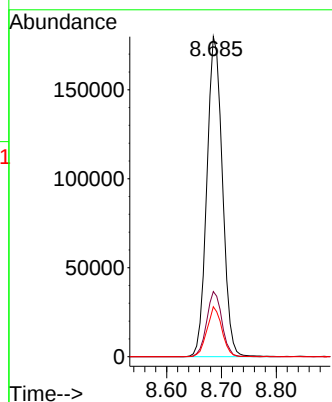
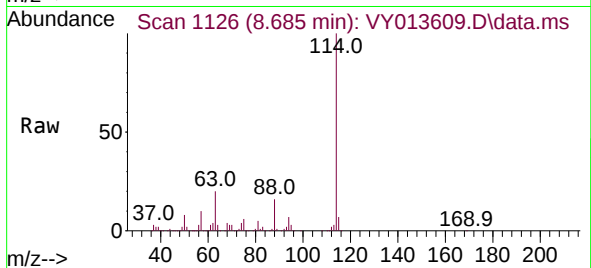
Tgt Ion:114 Resp: 353310

Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.6

88 15.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 54.008 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013609.D

Acq: 04 May 2023 18:46

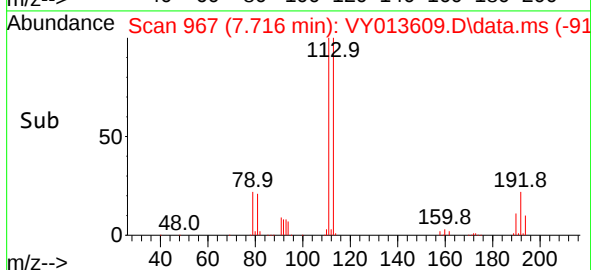
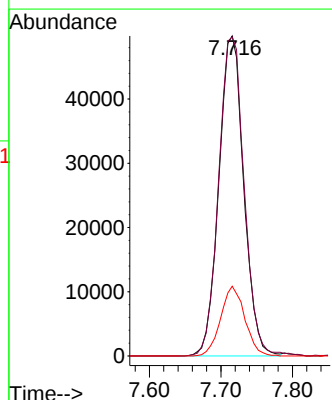
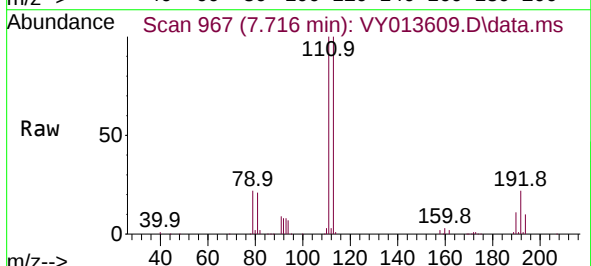
Tgt Ion:113 Resp: 120015

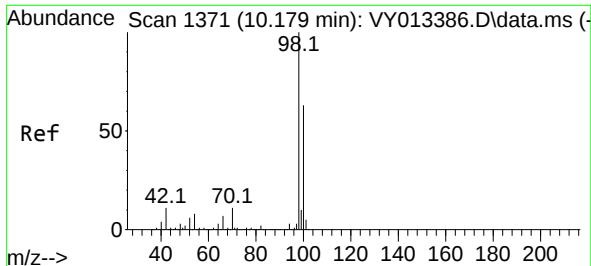
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 21.2 16.7 25.1

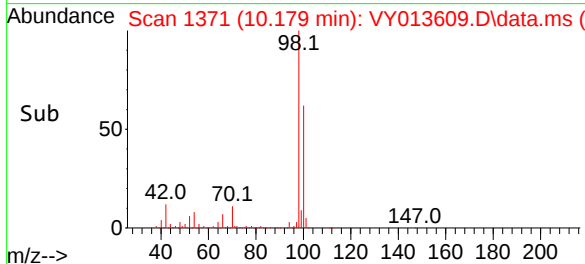
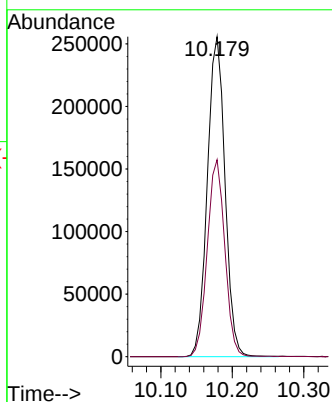
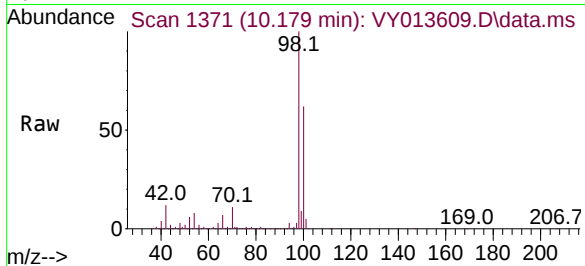




#50
Toluene-d8
Concen: 55.383 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013609.D
Acq: 04 May 2023 18:46

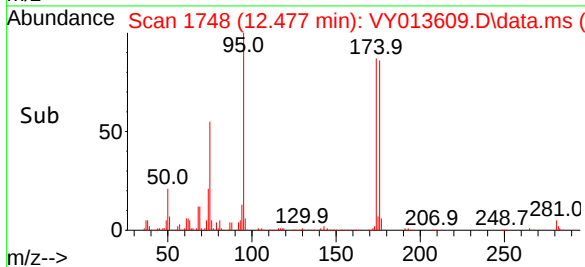
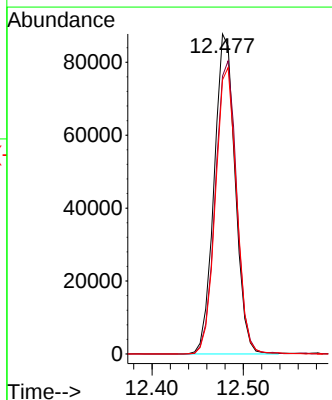
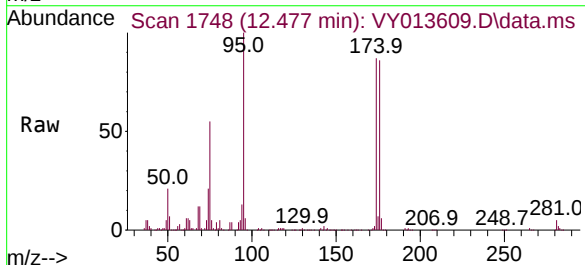
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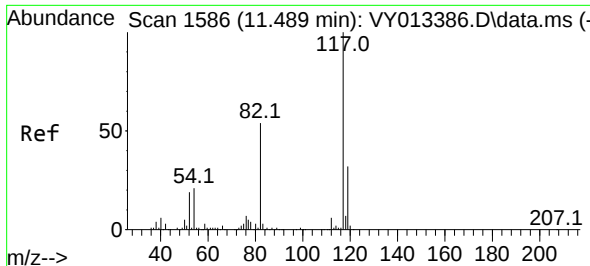
Tgt Ion: 98 Resp: 437813
Ion Ratio Lower Upper
98 100
100 61.3 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.572 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013609.D
Acq: 04 May 2023 18:46

Tgt Ion: 95 Resp: 140104
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.0
176 90.1 0.0 175.4

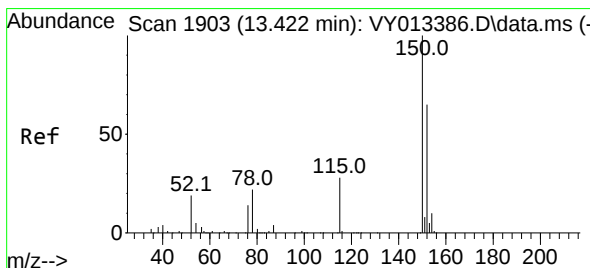
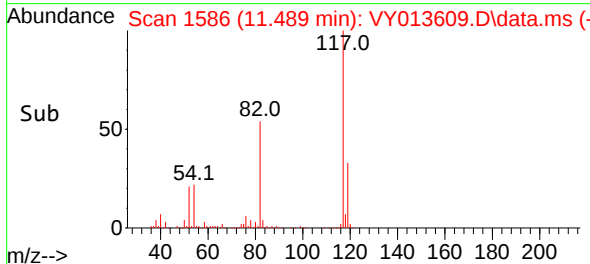
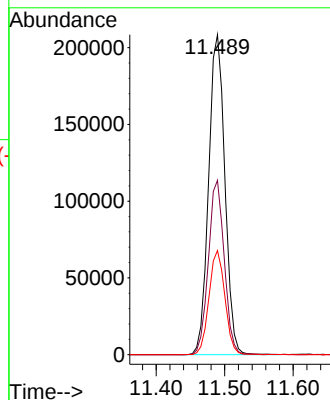
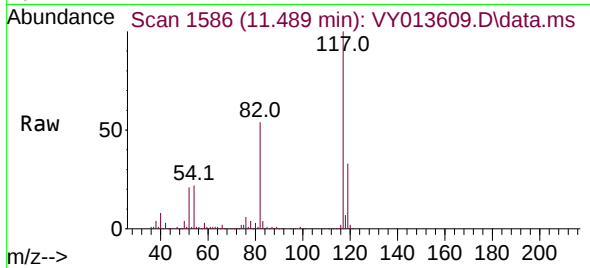




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013609.D
Acq: 04 May 2023 18:46

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-3-6-05022023

Tgt Ion:117 Resp: 343294
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.6
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013609.D
Acq: 04 May 2023 18:46

Tgt Ion:152 Resp: 154516
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.2
150 156.0 0.0 352.0

