

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014209.D
 Acq On : 16 Jun 2023 17:34
 Operator : KP/MD
 Sample : 03229-03
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-402-VOC-09

Quant Time: Jun 16 23:23:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	304656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	555780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	587477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	304990	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	199938	47.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.260%
35) Dibromofluoromethane	7.716	113	180654	45.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.660%
50) Toluene-d8	10.179	98	683542	46.387	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.780%
62) 4-Bromofluorobenzene	12.483	95	271411	51.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.700%

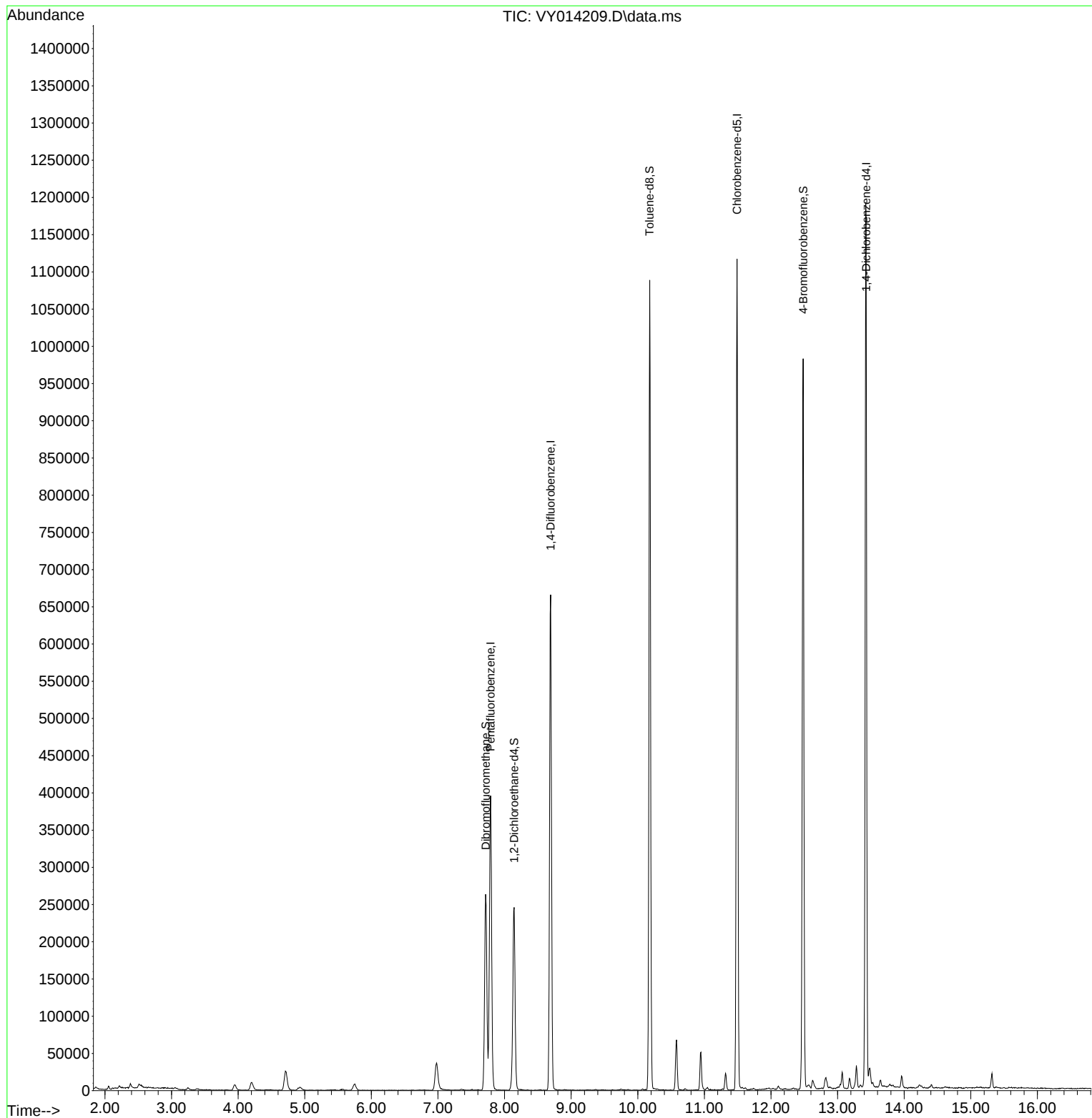
Target Compounds	Qvalue

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

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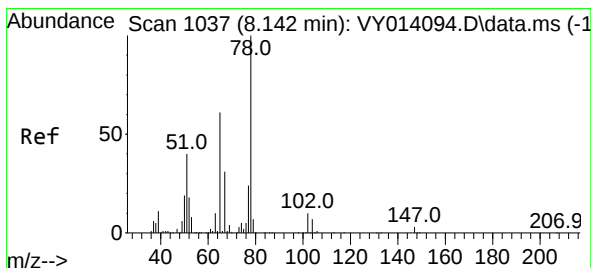
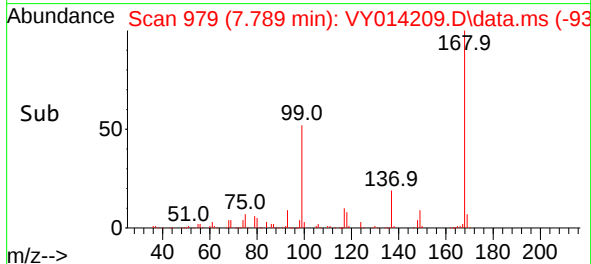
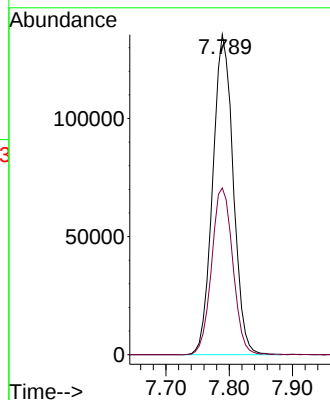
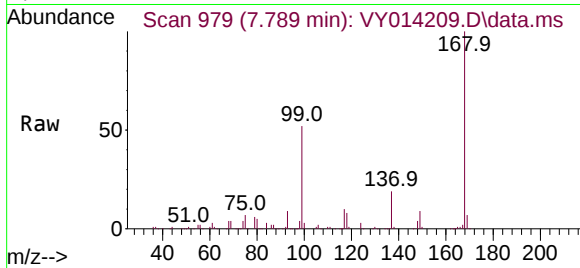




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

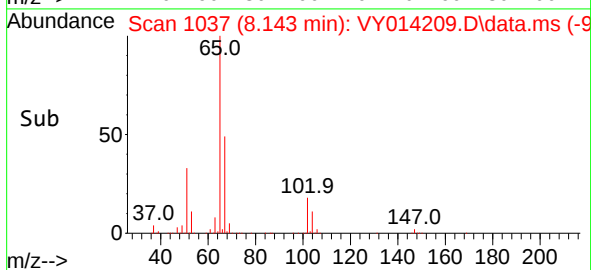
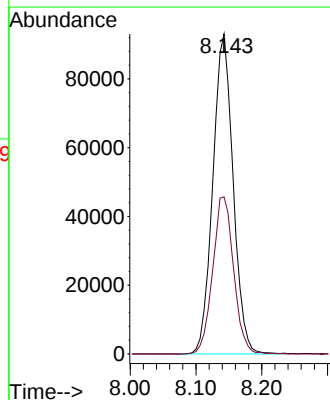
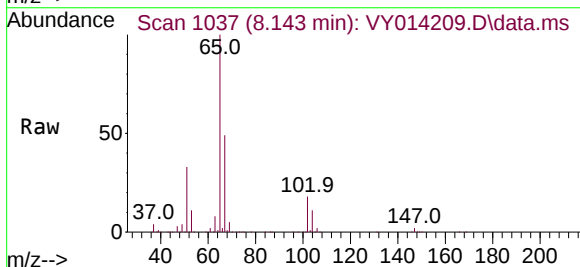
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

Tgt Ion:168 Resp: 304656
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 47.129 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion: 65 Resp: 199938
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-09

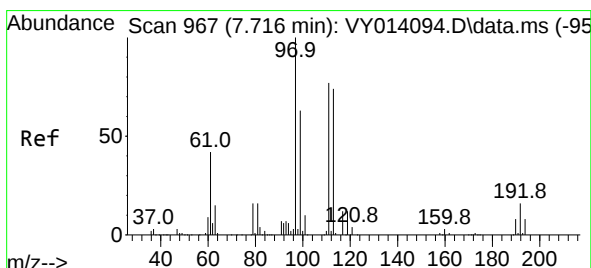
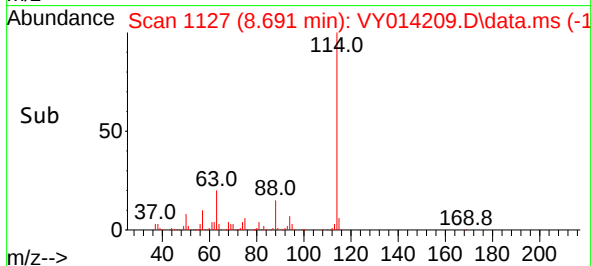
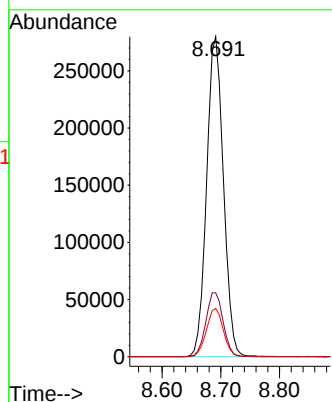
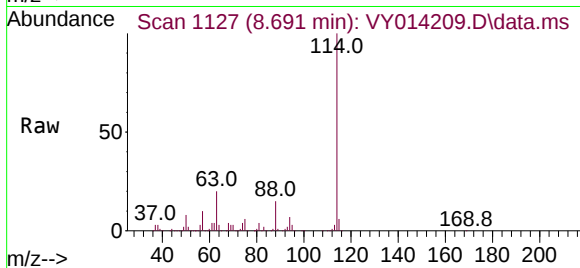
Tgt Ion:114 Resp: 555780

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.834 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

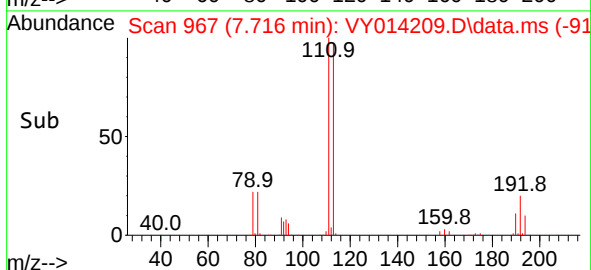
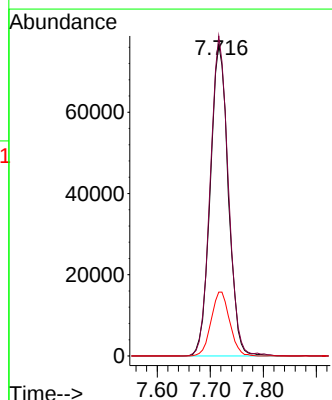
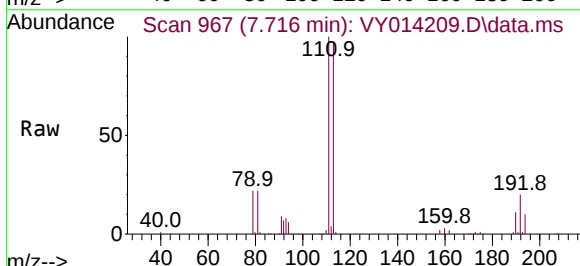
Tgt Ion:113 Resp: 180654

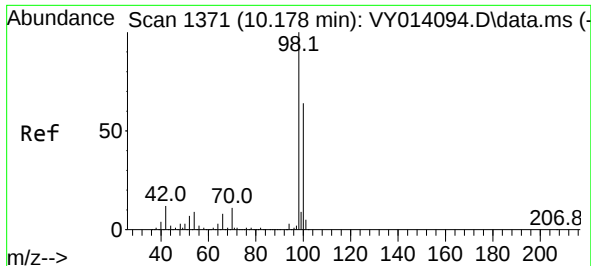
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 21.1 16.9 25.3

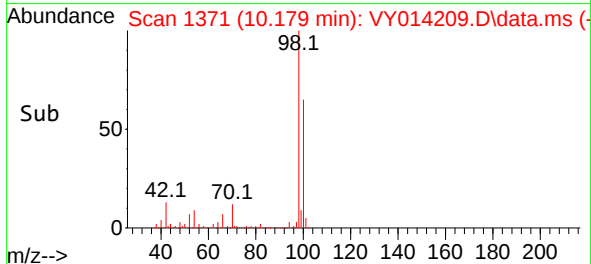
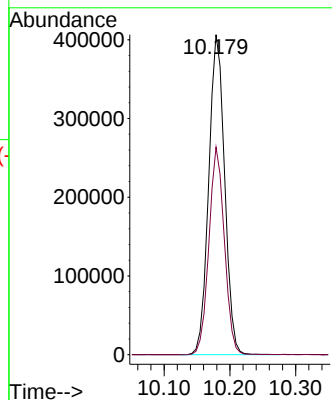
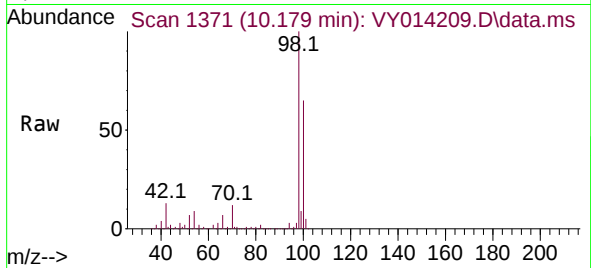




#50
Toluene-d8
Concen: 46.387 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

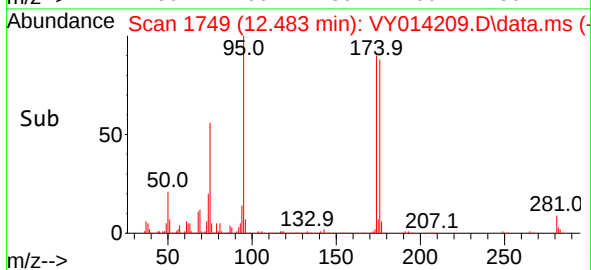
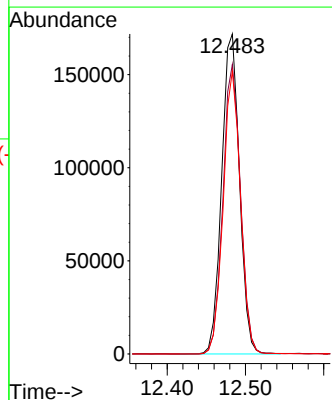
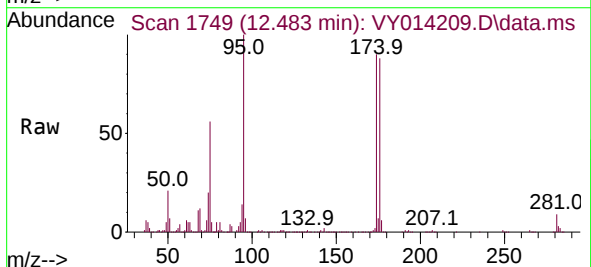
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

Tgt Ion: 98 Resp: 683542
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.850 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion: 95 Resp: 271411
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.2
176 86.4 0.0 173.8

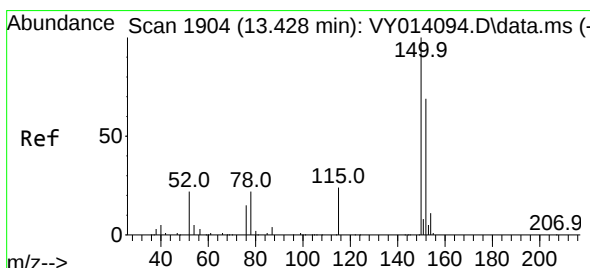
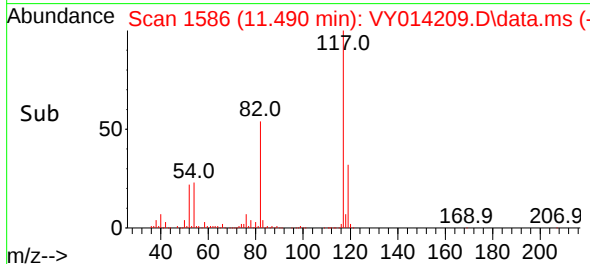
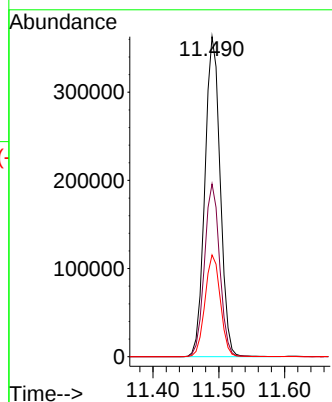
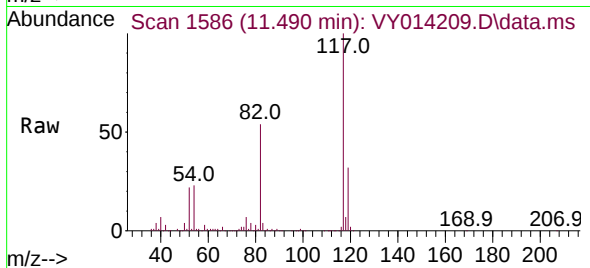




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

Tgt Ion:117 Resp: 587477
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion:152 Resp: 304990
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 155.3 0.0 348.8

