

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022209.D
 Acq On : 12 May 2025 08:57
 Operator : SY/MD
 Sample : VY0512SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBL01

Quant Time: May 13 02:14:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	193895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	329289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128920	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109786	61.300	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.600%
35) Dibromofluoromethane	7.634	113	119443	54.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.800%
50) Toluene-d8	10.109	98	406054	49.510	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.407	95	117168	42.438	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.880%

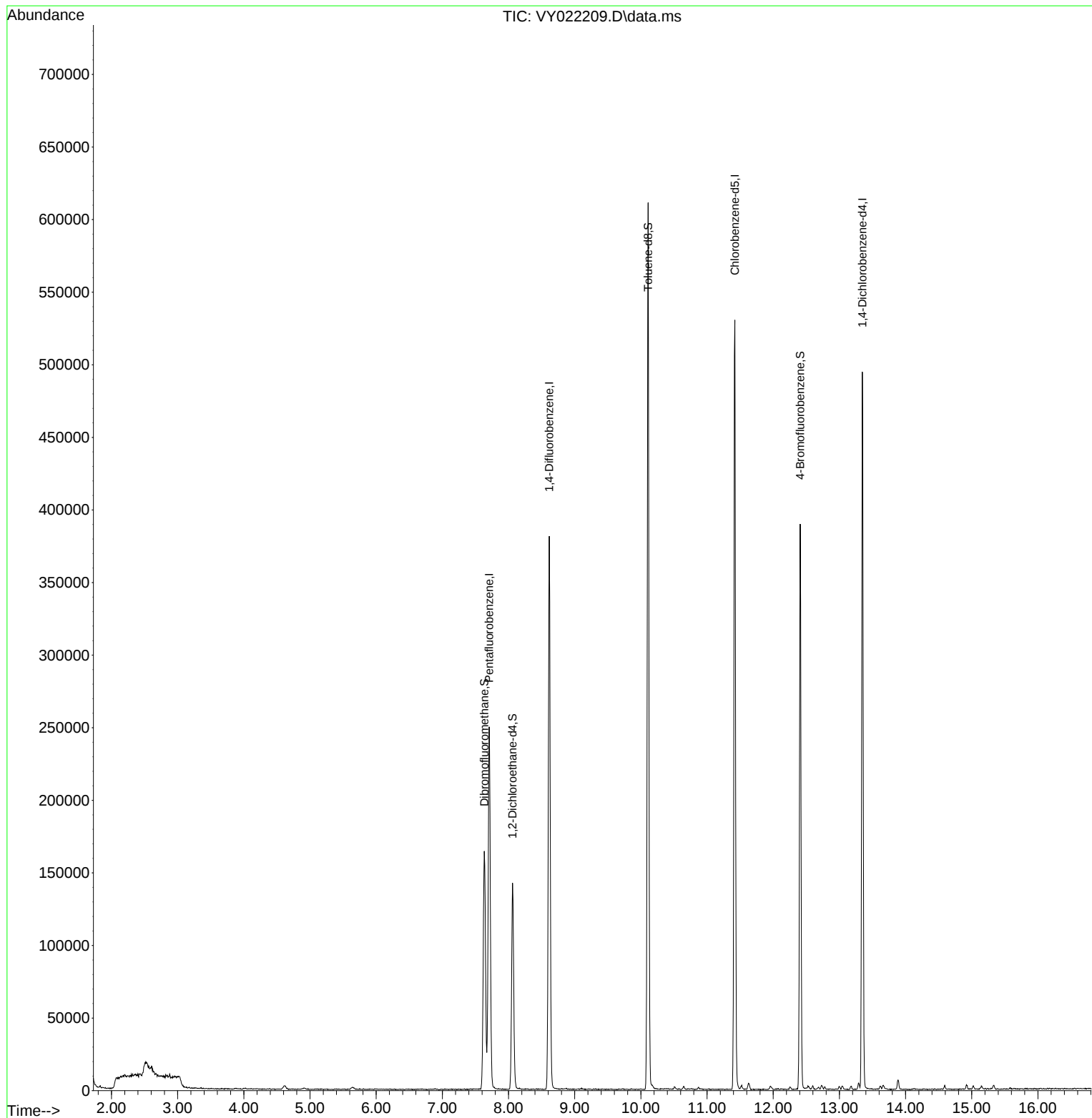
Target Compounds	Qvalue

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

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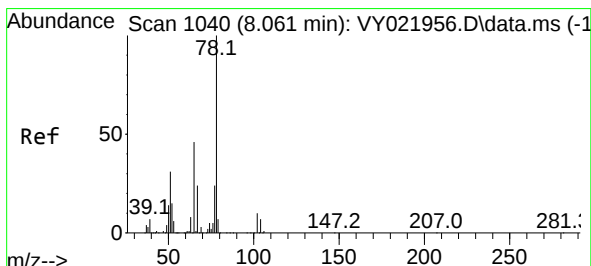
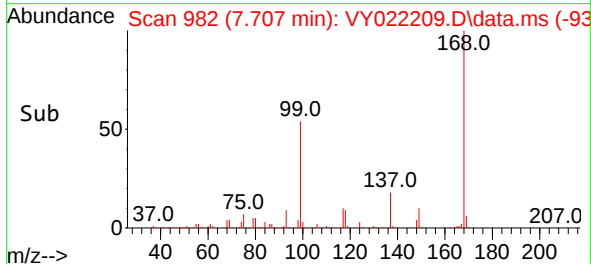
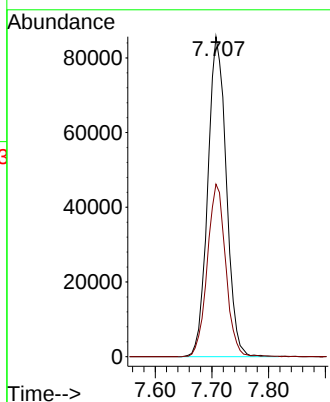
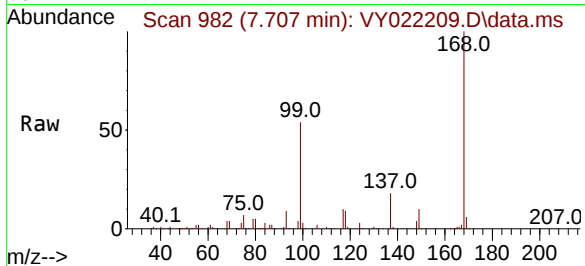




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

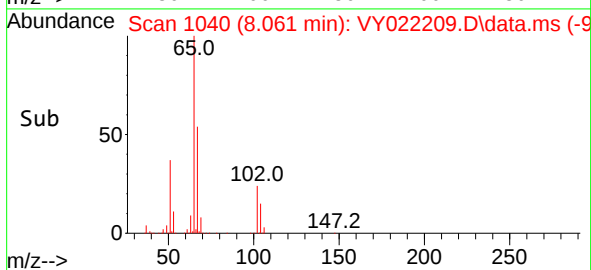
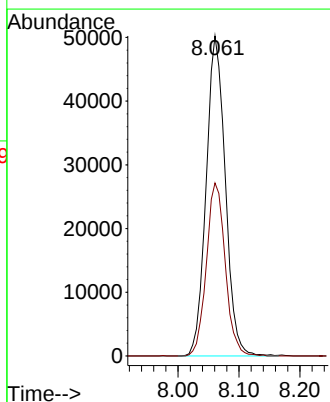
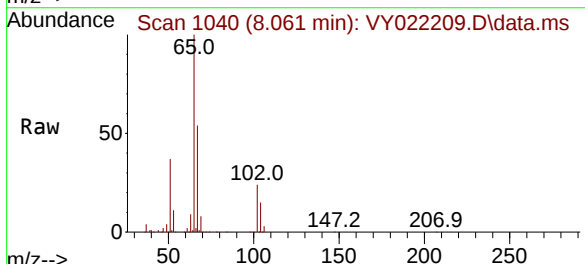
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:168 Resp: 193895
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 61.300 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 65 Resp: 109786
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022209.D

Acq: 12 May 2025 08:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

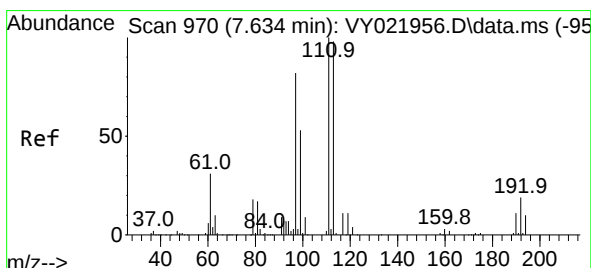
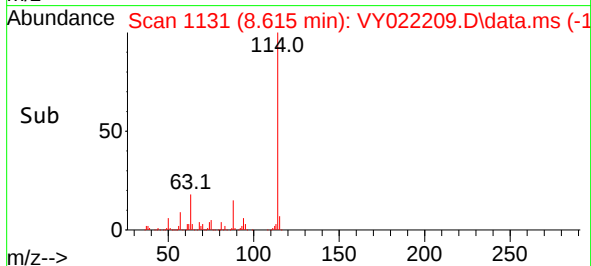
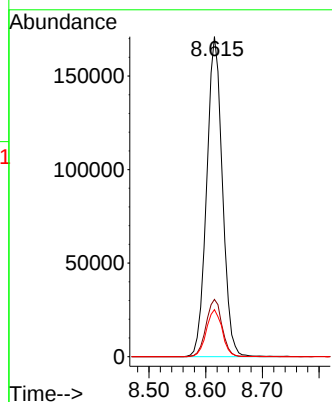
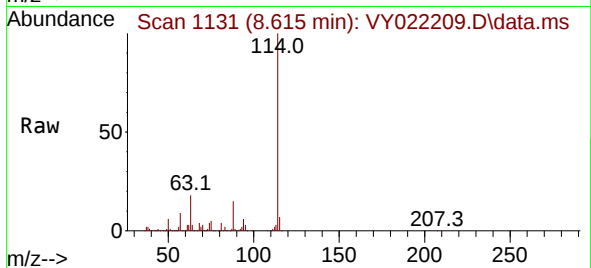
Tgt Ion:114 Resp: 329289

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.905 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022209.D

Acq: 12 May 2025 08:57

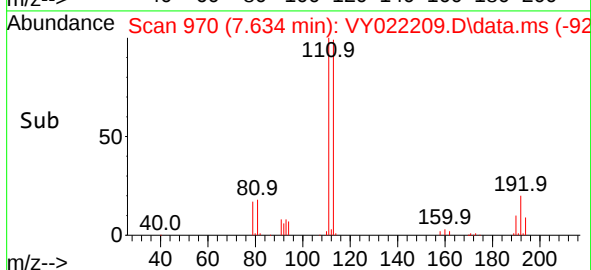
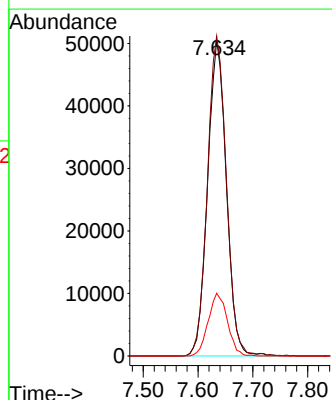
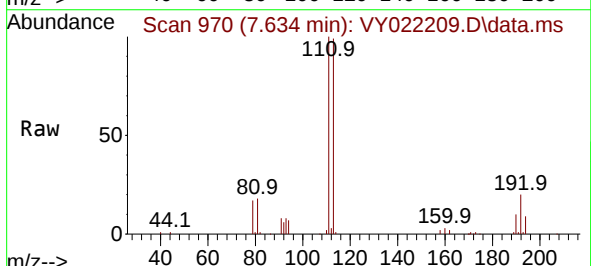
Tgt Ion:113 Resp: 119443

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 20.4 15.6 23.4

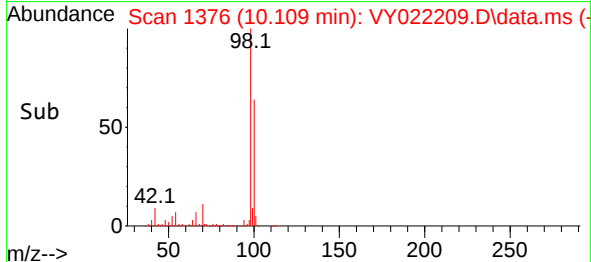
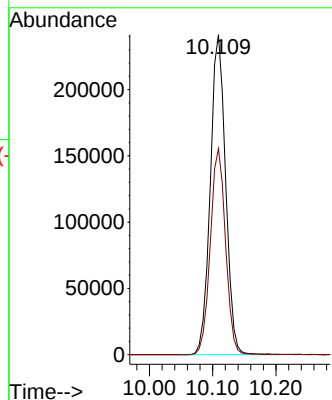
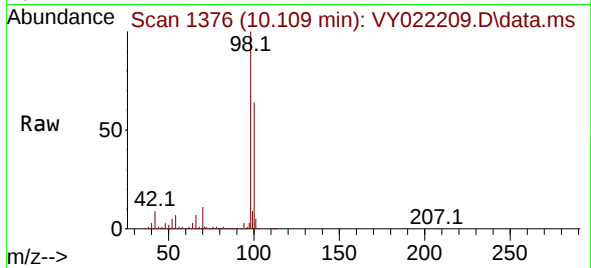




#50
Toluene-d8
Concen: 49.510 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

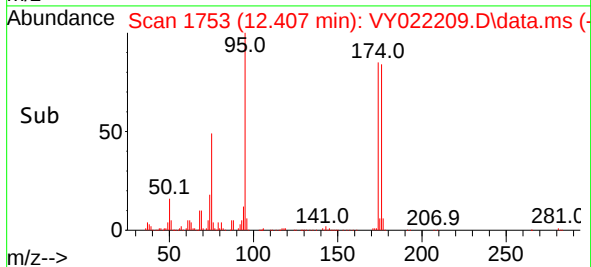
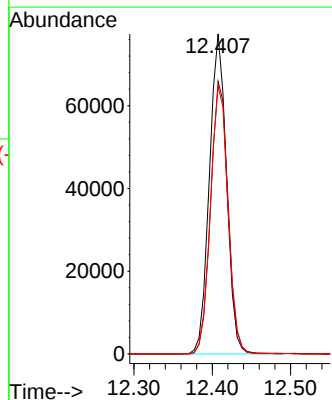
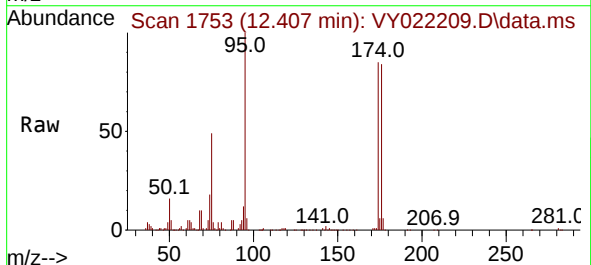
Instrument :
MSVOA_Y
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VY0512SBL01

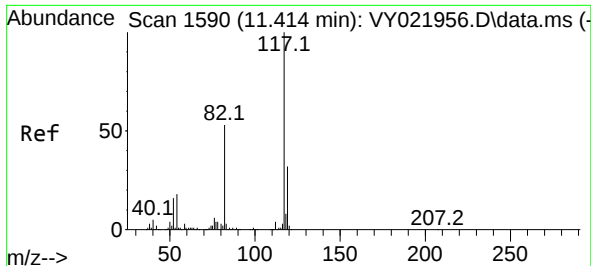
Tgt Ion: 98 Resp: 406054
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.438 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 95 Resp: 117168
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 85.8 0.0 171.8

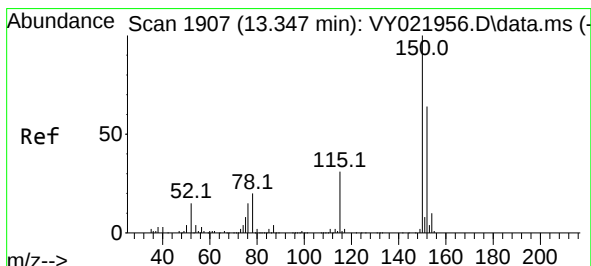
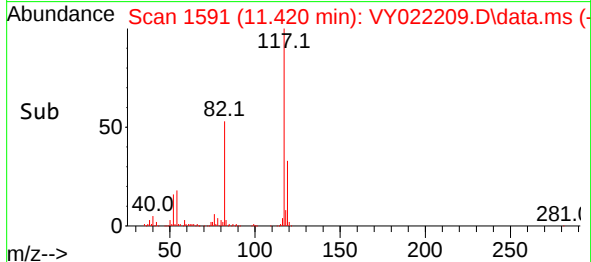
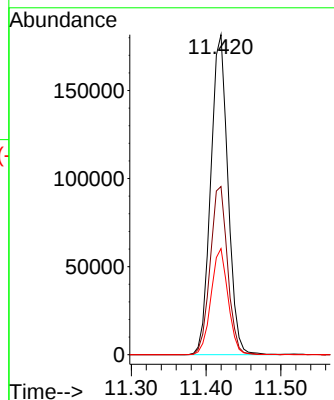
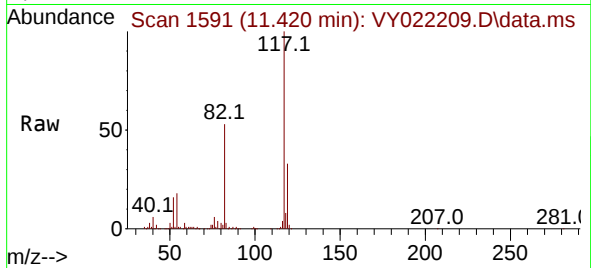




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:117 Resp: 290502
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 33.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:152 Resp: 128920
Ion Ratio Lower Upper
152 100
115 57.1 28.0 84.0
150 157.7 0.0 345.6

