

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022569.D
 Acq On : 05 Jun 2025 13:09
 Operator : SY/MD
 Sample : Q2219-01
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11995

Quant Time: Jun 06 01:23:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	18823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	28733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	16584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	3426	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	7514	35.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.380%
35) Dibromofluoromethane	7.634	113	5276	30.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	61.520%
50) Toluene-d8	10.103	98	29639	42.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.540%
62) 4-Bromofluorobenzene	12.402	95	4973	24.086	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	48.180%

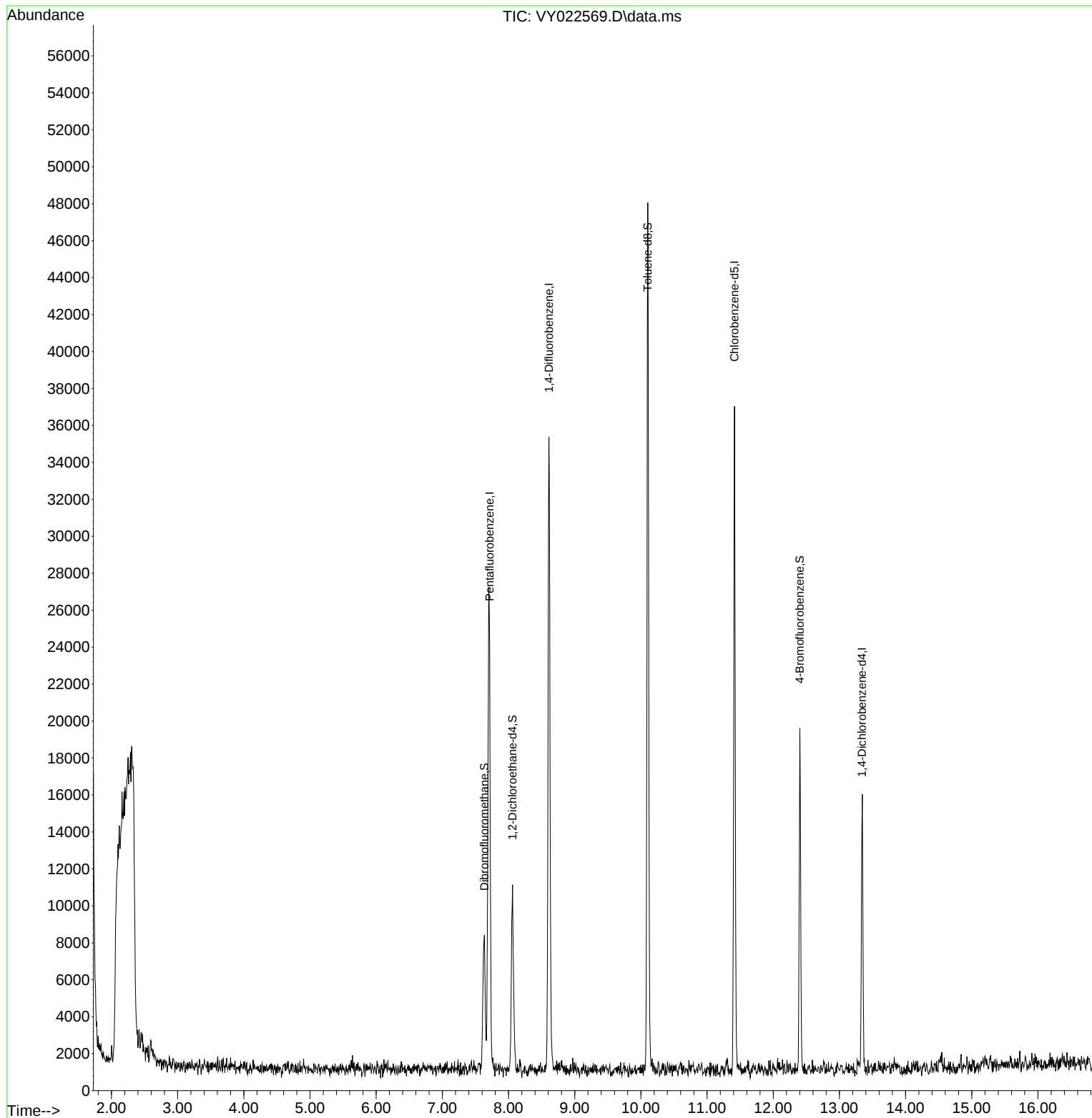
Target Compounds	Qvalue

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

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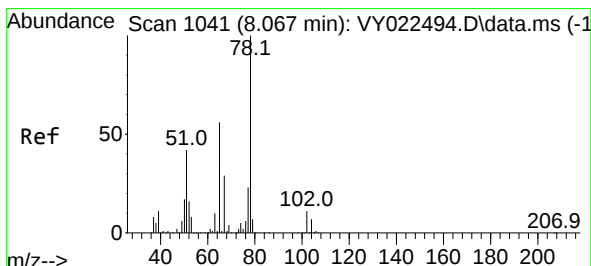
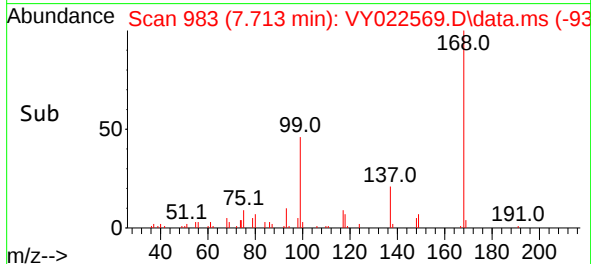
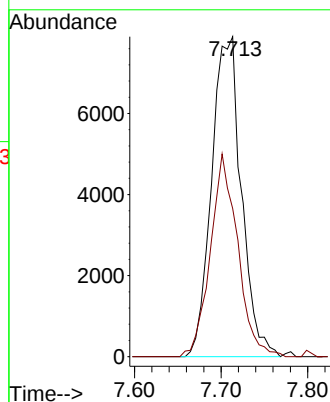
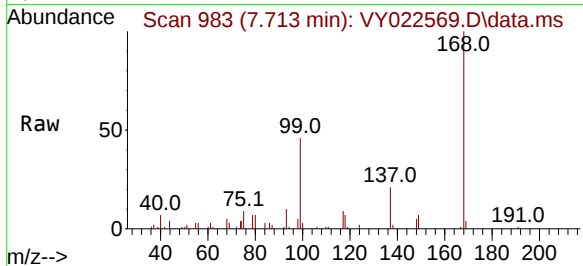




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022569.D
Acq: 05 Jun 2025 13:09

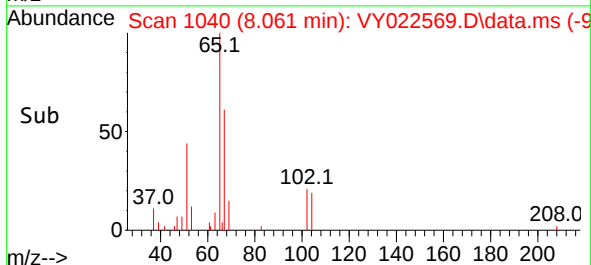
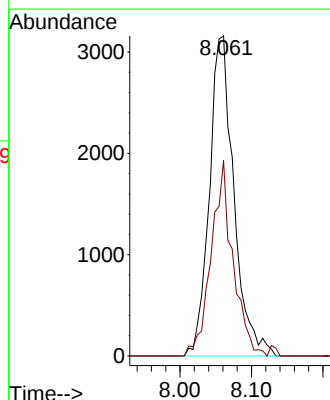
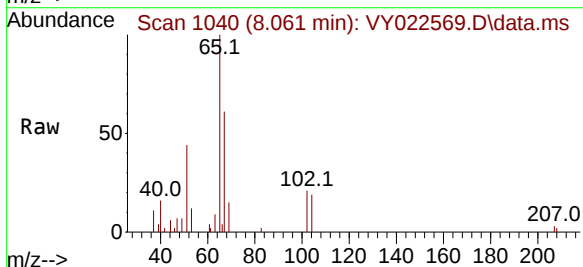
Instrument :
MSVOA_Y
ClientSampleId :
72-11995

Tgt Ion:168 Resp: 18823
Ion Ratio Lower Upper
168 100
99 46.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 35.692 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022569.D
Acq: 05 Jun 2025 13:09

Tgt Ion: 65 Resp: 7514
Ion Ratio Lower Upper
65 100
67 54.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022569.D

Acq: 05 Jun 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

72-11995

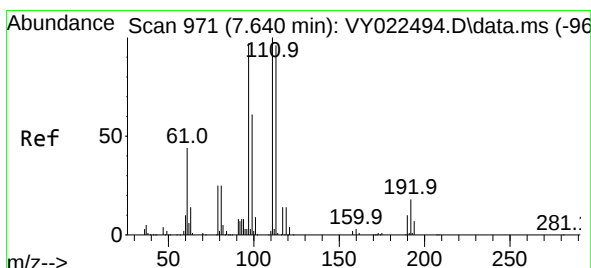
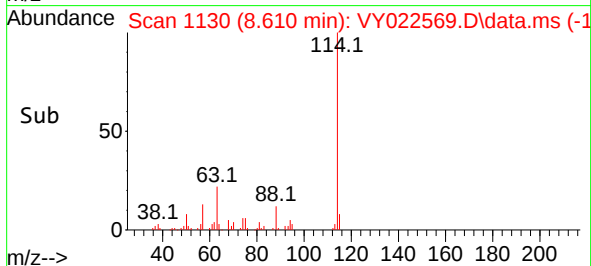
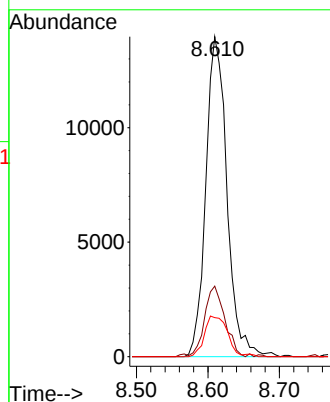
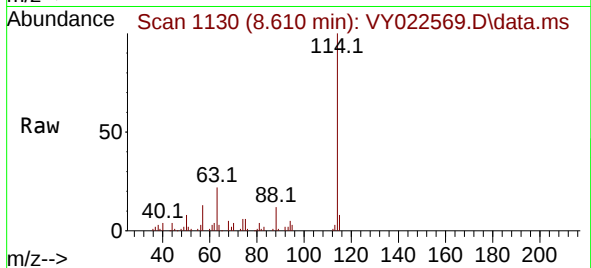
Tgt Ion:114 Resp: 28733

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

88 12.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 30.764 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022569.D

Acq: 05 Jun 2025 13:09

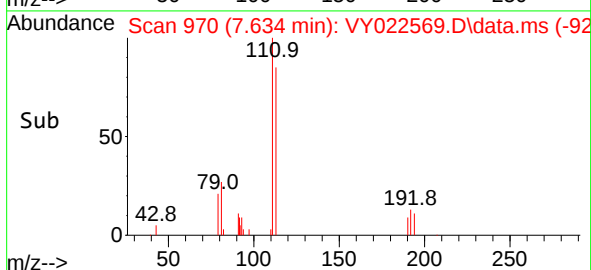
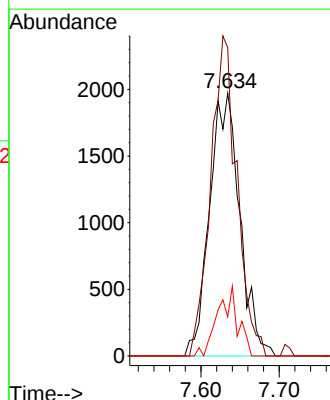
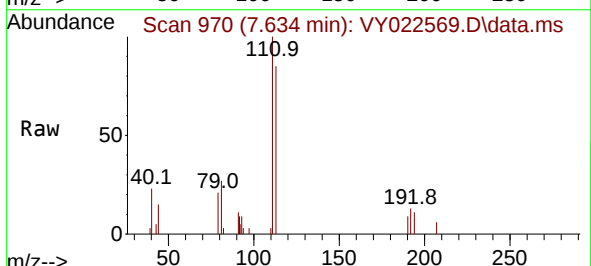
Tgt Ion:113 Resp: 5276

Ion Ratio Lower Upper

113 100

111 106.0 81.1 121.7

192 17.6 14.2 21.2

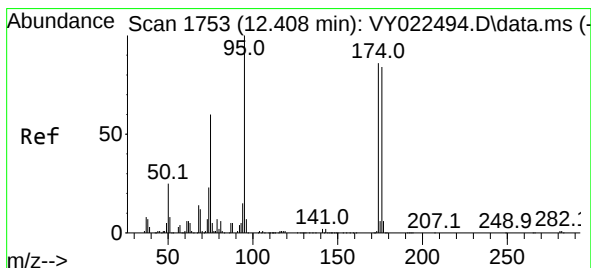
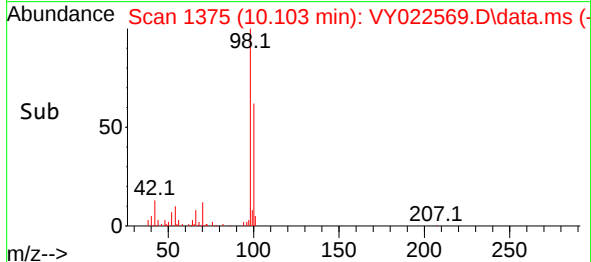
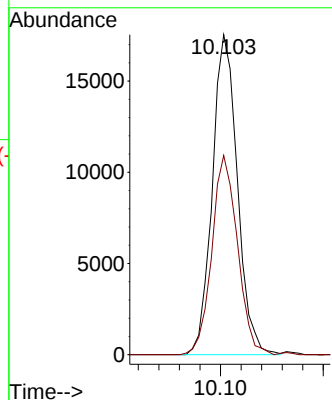
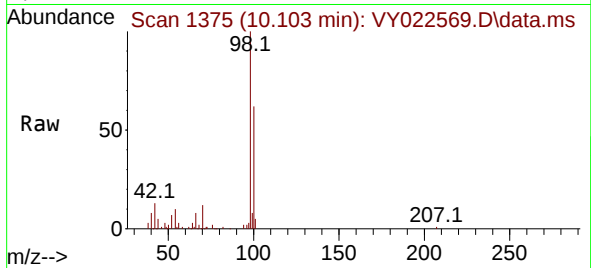




#50
Toluene-d8
Concen: 42.771 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022569.D
Acq: 05 Jun 2025 13:09

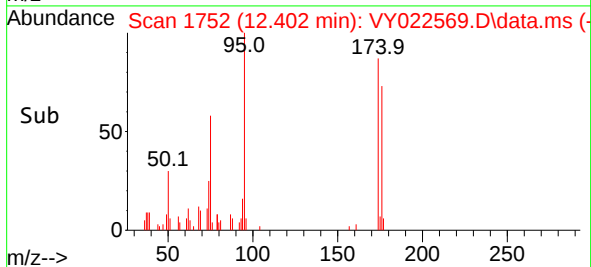
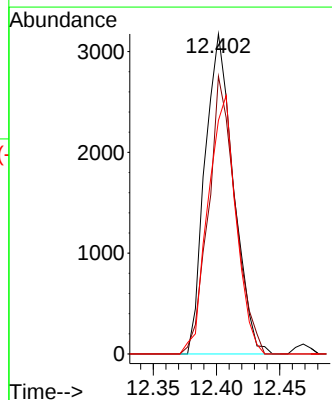
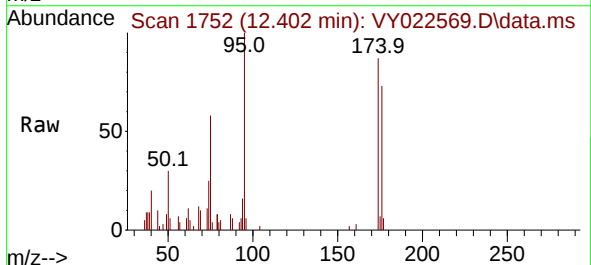
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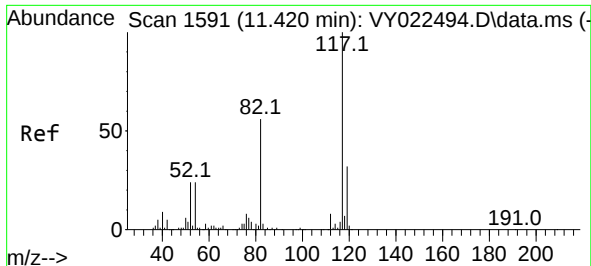
Tgt Ion: 98 Resp: 29639
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 24.086 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022569.D
Acq: 05 Jun 2025 13:09

Tgt Ion: 95 Resp: 4973
Ion Ratio Lower Upper
95 100
174 82.2 0.0 170.0
176 79.6 0.0 166.2

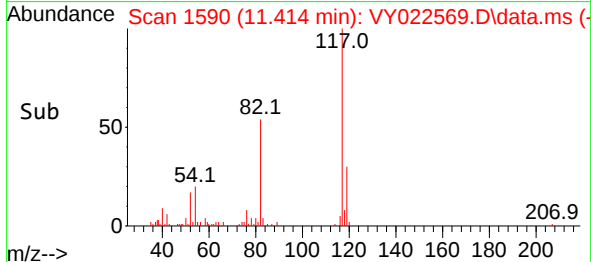
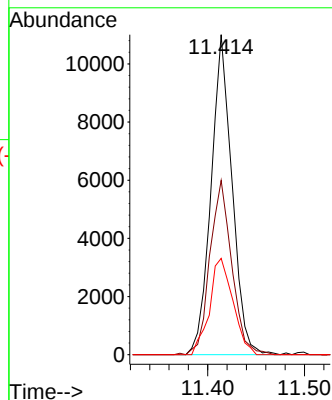
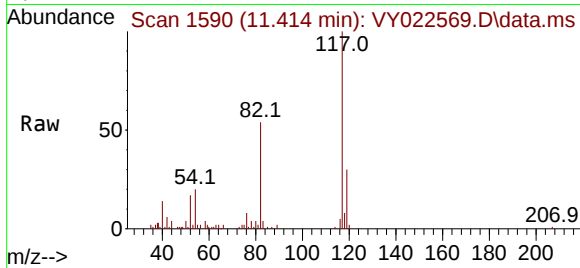




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022569.D
Acq: 05 Jun 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
72-11995

Tgt Ion:117 Resp: 16584
Ion Ratio Lower Upper
117 100
82 54.5 44.6 66.8
119 30.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022569.D
Acq: 05 Jun 2025 13:09

Tgt Ion:152 Resp: 3426
Ion Ratio Lower Upper
152 100
115 66.7 28.9 86.7
150 150.2 0.0 349.6

