

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022567.D
 Acq On : 05 Jun 2025 12:22
 Operator : SY/MD
 Sample : Q2195-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-060325RE

Quant Time: Jun 06 01:23:06 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	7.707	168	57455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	97249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	68751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	22019	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	30105	46.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.700%
35) Dibromofluoromethane	7.628	113	28937	49.852	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.103	98	108939	46.447	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.401	95	25244	36.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.240%

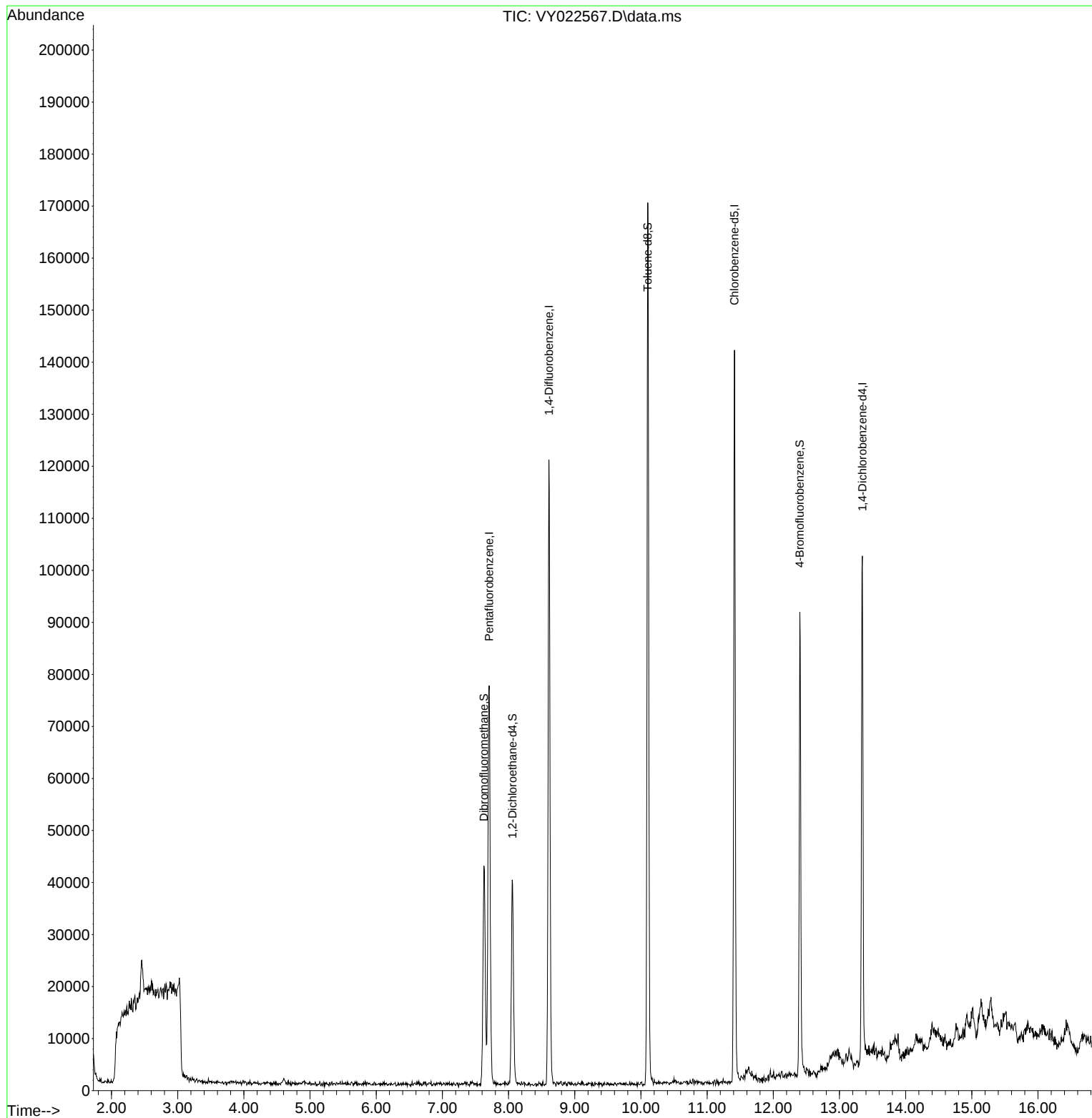
Target Compounds	Qvalue

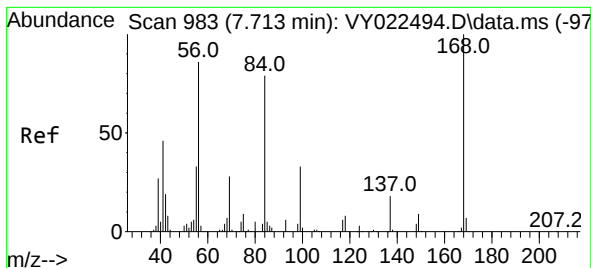
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022567.D

Acq: 05 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

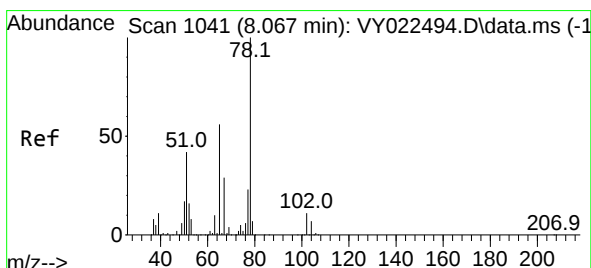
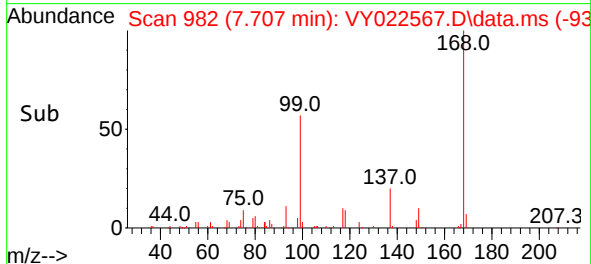
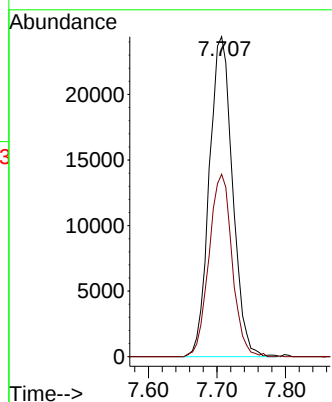
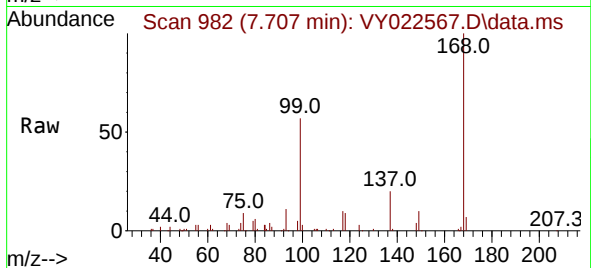
OK-01-060325RE

Tgt Ion:168 Resp: 57455

Ion Ratio Lower Upper

168 100

99 57.0 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 46.849 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. -0.007 min

Lab File: VY022567.D

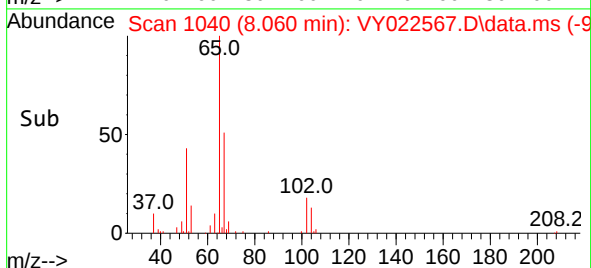
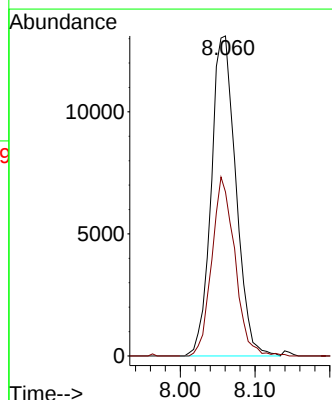
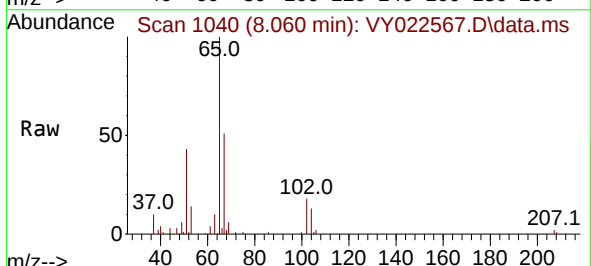
Acq: 05 Jun 2025 12:22

Tgt Ion: 65 Resp: 30105

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4

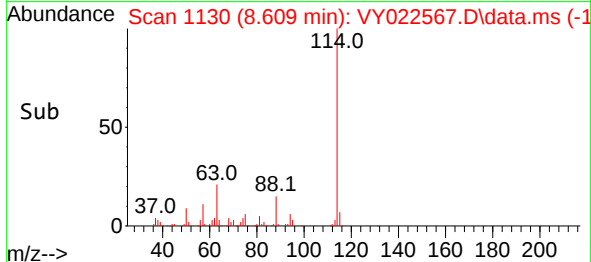
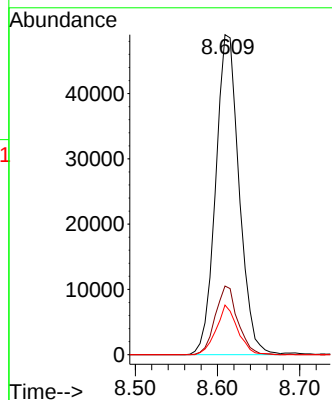
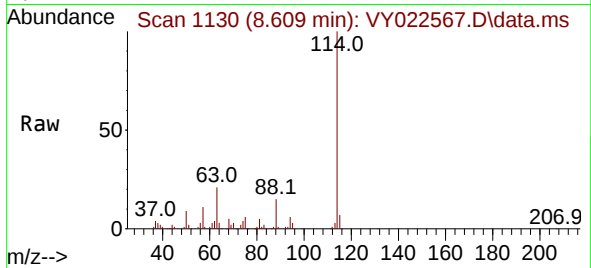




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VY022567.D
Acq: 05 Jun 2025 12:22

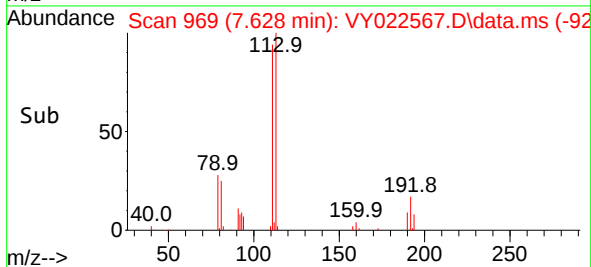
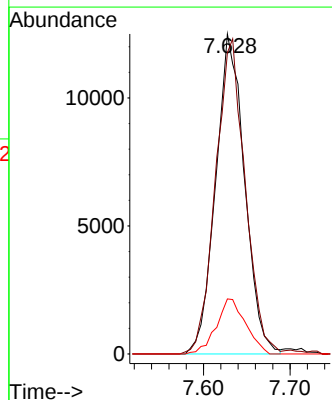
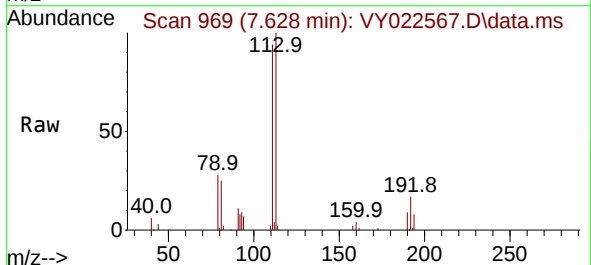
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-060325RE

Tgt Ion:114	Resp:	97249
Ion Ratio	Lower	Upper
114	100	
63	21.5	0.0 40.8
88	15.5	0.0 27.8



#35
Dibromofluoromethane
Concen: 49.852 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.013 min
Lab File: VY022567.D
Acq: 05 Jun 2025 12:22

Tgt Ion:113	Resp:	28937
Ion Ratio	Lower	Upper
113	100	
111	100.7	81.1 121.7
192	17.5	14.2 21.2

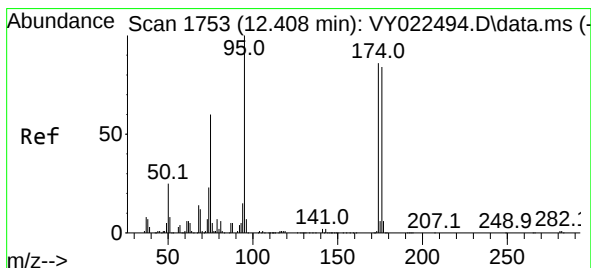
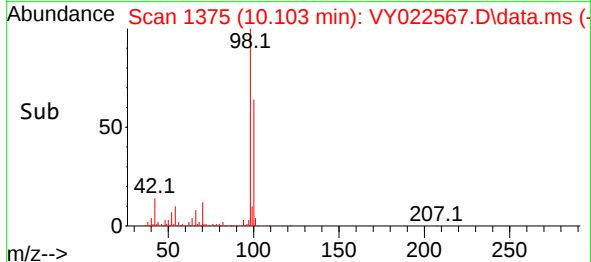
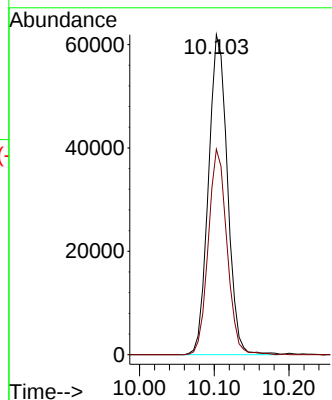
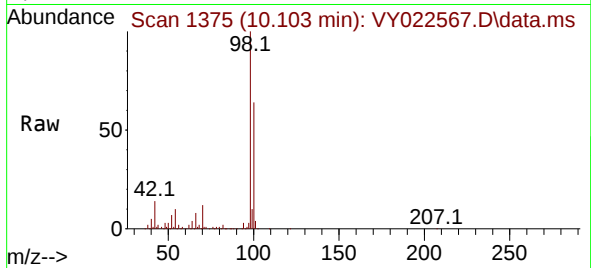




#50
Toluene-d8
Concen: 46.447 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022567.D
Acq: 05 Jun 2025 12:22

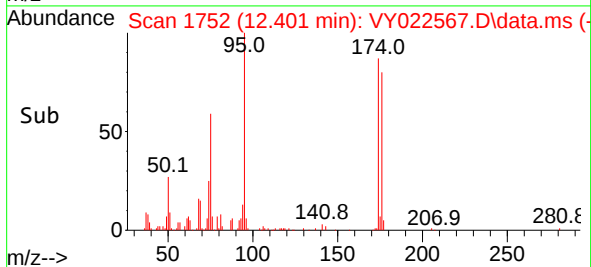
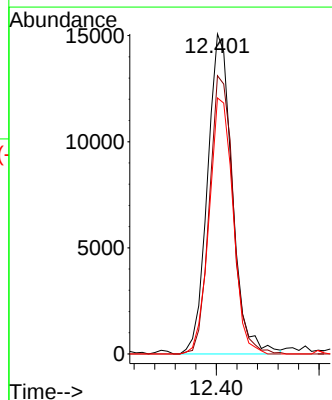
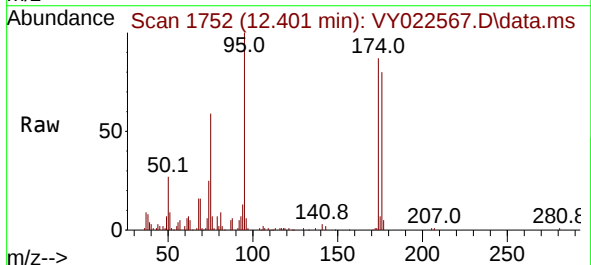
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-060325RE

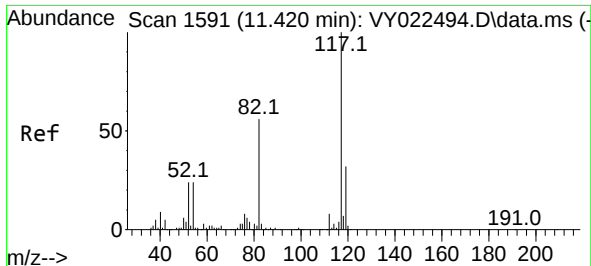
Tgt Ion: 98 Resp: 108939
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 36.124 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022567.D
Acq: 05 Jun 2025 12:22

Tgt Ion: 95 Resp: 25244
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.0
176 77.1 0.0 166.2

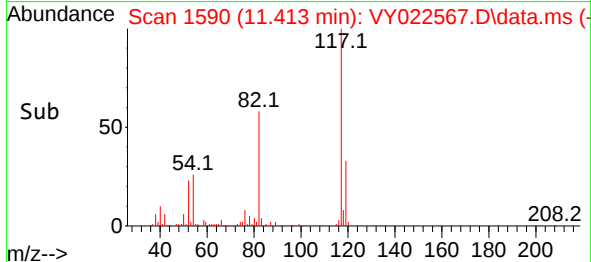
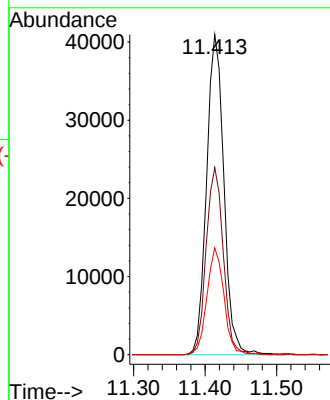
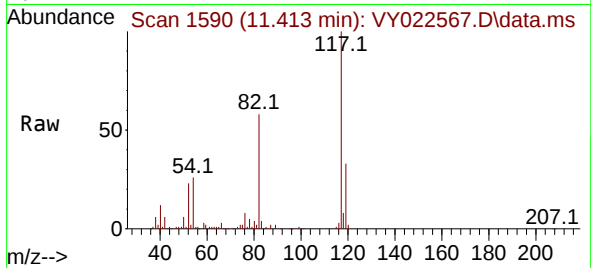




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY022567.D
Acq: 05 Jun 2025 12:22

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-060325RE

Tgt Ion:117 Resp: 68751
Ion Ratio Lower Upper
117 100
82 58.5 44.6 66.8
119 33.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022567.D
Acq: 05 Jun 2025 12:22

Tgt Ion:152 Resp: 22019
Ion Ratio Lower Upper
152 100
115 61.8 28.9 86.7
150 160.7 0.0 349.6

