

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022782.D
 Acq On : 23 Jun 2025 15:54
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 24 03:10:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	303233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	538905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	454273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	179903	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	176346	52.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.220%
35) Dibromofluoromethane	7.628	113	172737	52.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.420%
50) Toluene-d8	10.103	98	651224	50.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.140%
62) 4-Bromofluorobenzene	12.401	95	185488	44.368	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.740%

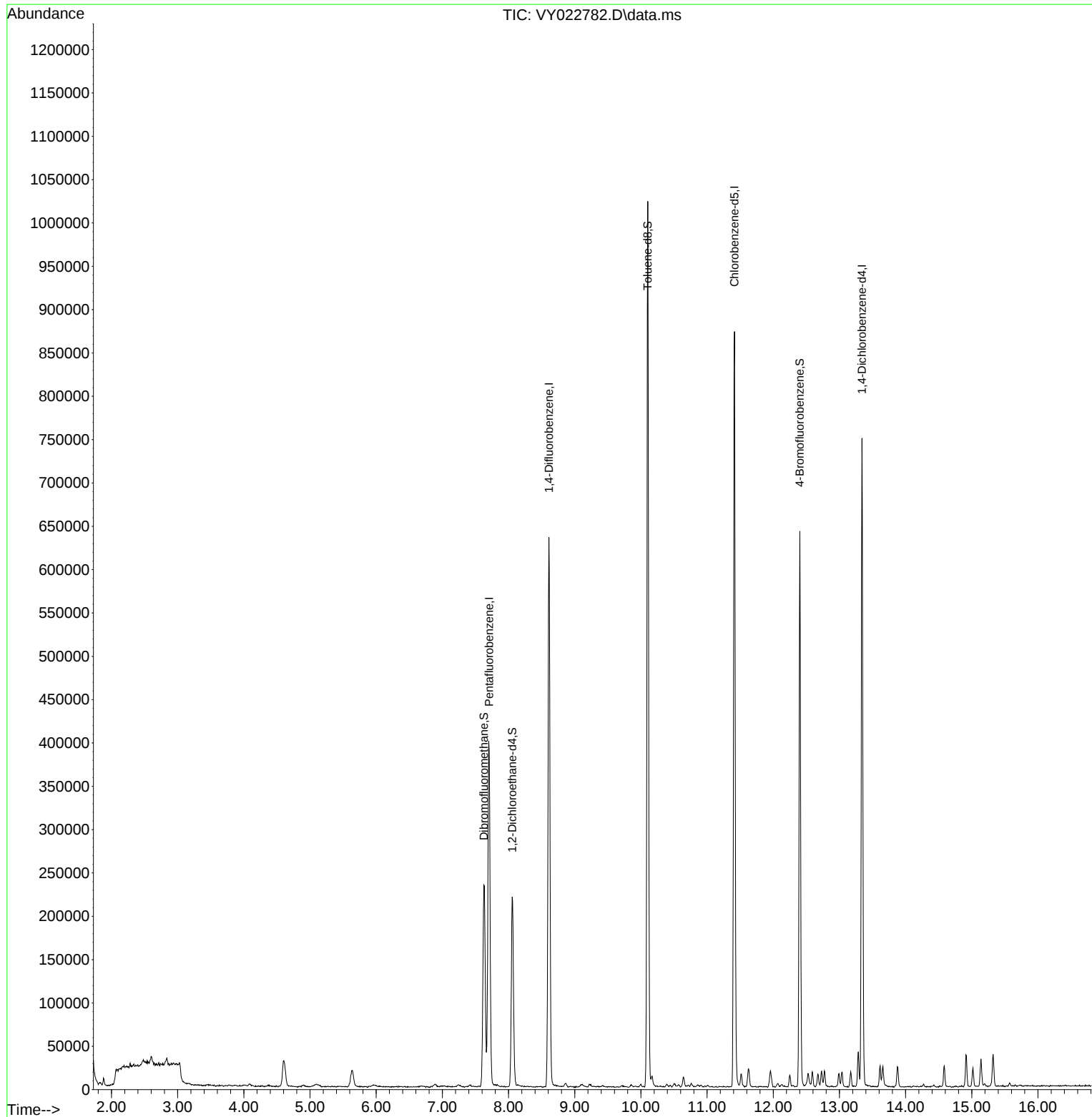
Target Compounds	Qvalue

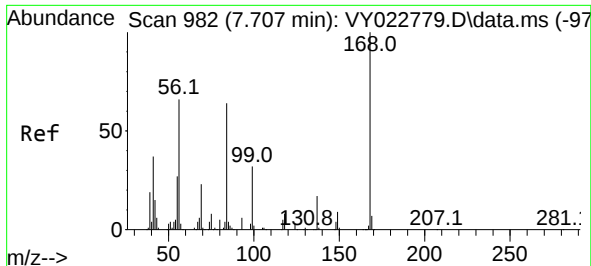
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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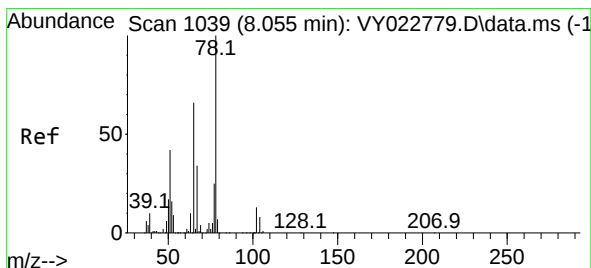
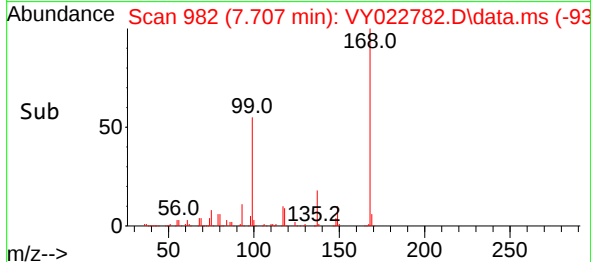
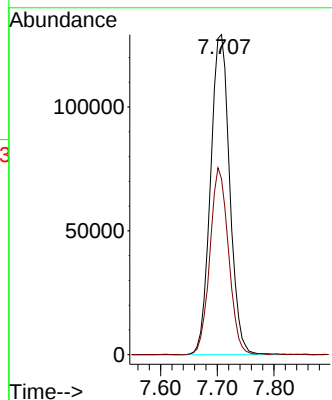
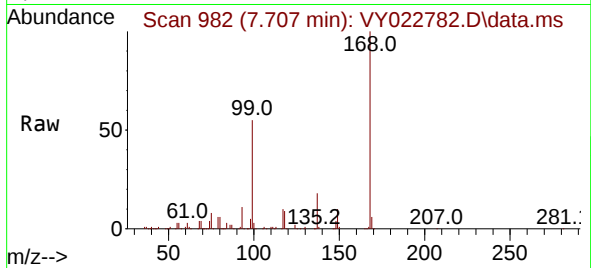




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022782.D
Acq: 23 Jun 2025 15:54

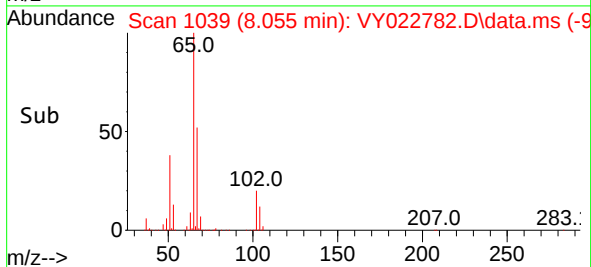
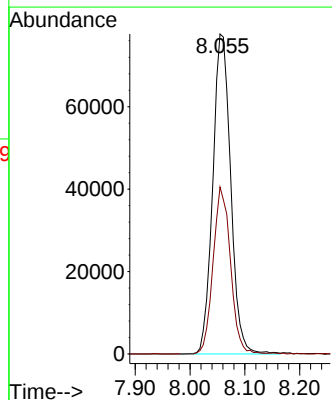
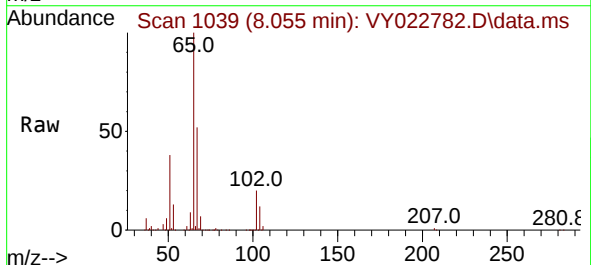
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

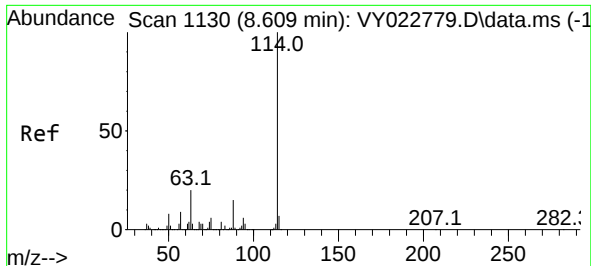
Tgt Ion:168 Resp: 303233
Ion Ratio Lower Upper
168 100
99 55.1 44.6 66.8



#33
1,2-Dichloroethane-d4
Concen: 52.106 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY022782.D
Acq: 23 Jun 2025 15:54

Tgt Ion: 65 Resp: 176346
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY022782.D

Acq: 23 Jun 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

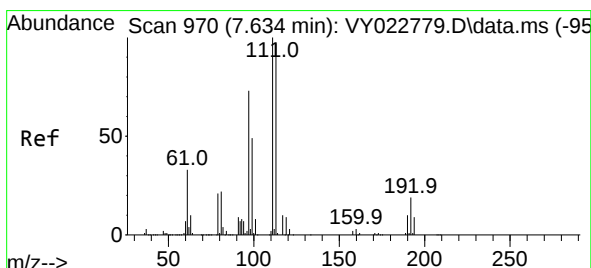
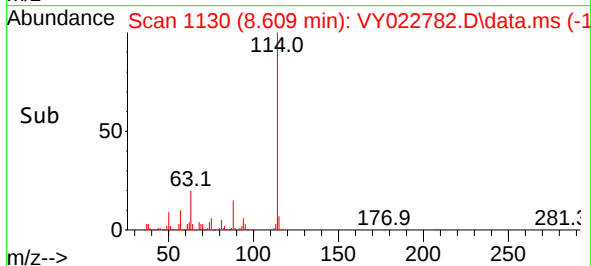
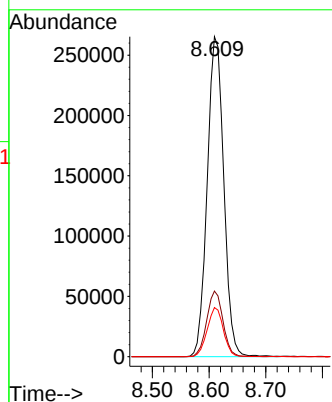
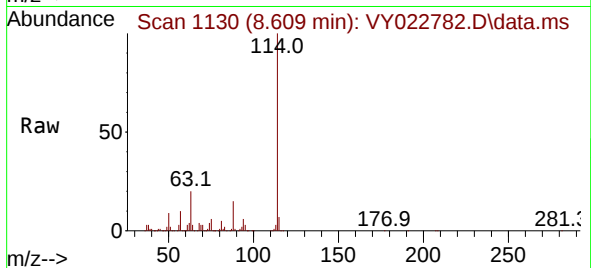
Tgt Ion:114 Resp: 538905

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

88 15.4 0.0 30.4



#35

Dibromofluoromethane

Concen: 52.706 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022782.D

Acq: 23 Jun 2025 15:54

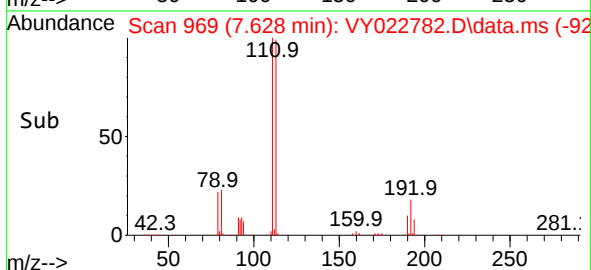
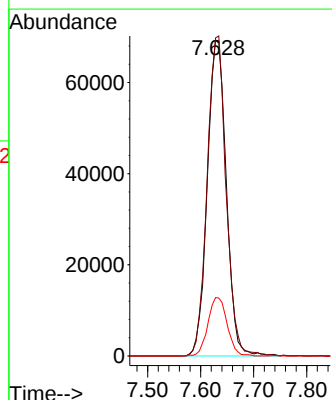
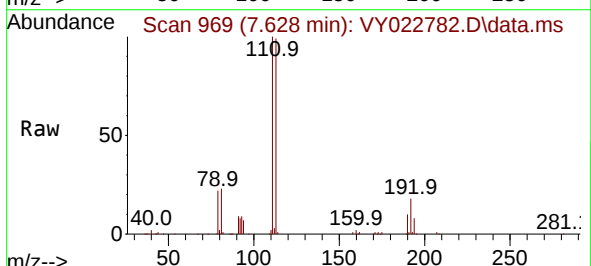
Tgt Ion:113 Resp: 172737

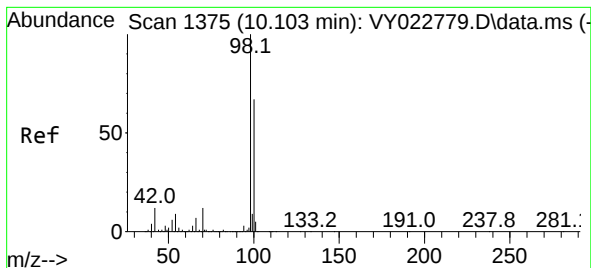
Ion Ratio Lower Upper

113 100

111 100.9 82.8 124.2

192 18.7 15.6 23.4





#50

Toluene-d8

Concen: 50.075 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022782.D

Acq: 23 Jun 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

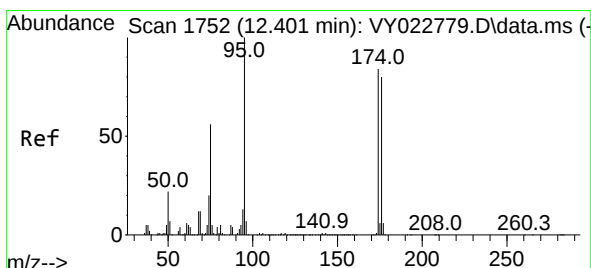
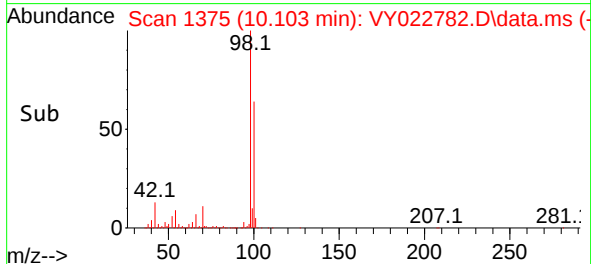
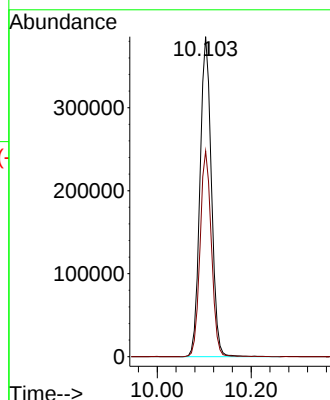
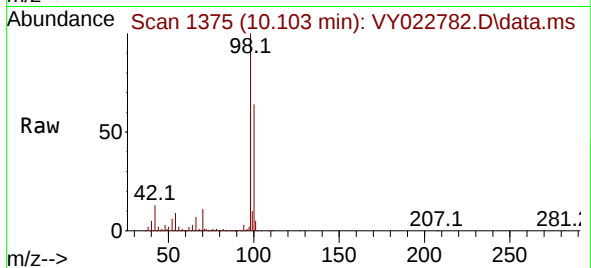
VIBLK

Tgt Ion: 98 Resp: 651224

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.368 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY022782.D

Acq: 23 Jun 2025 15:54

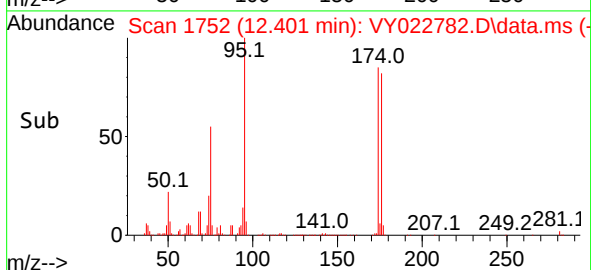
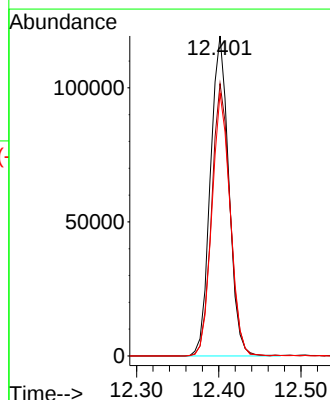
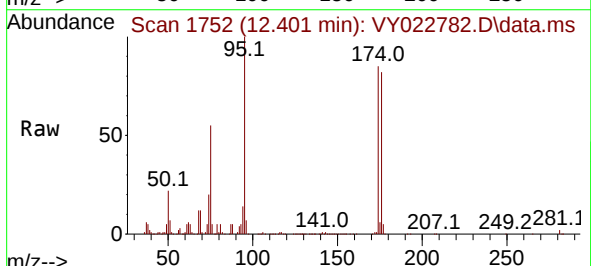
Tgt Ion: 95 Resp: 185488

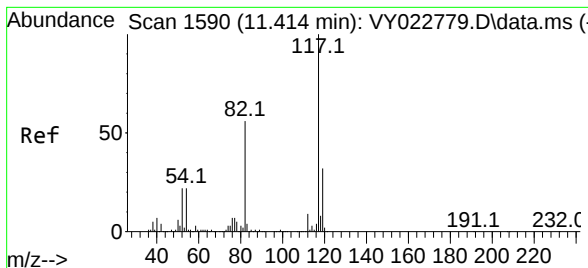
Ion Ratio Lower Upper

95 100

174 84.8 0.0 168.2

176 81.6 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022782.D

Acq: 23 Jun 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

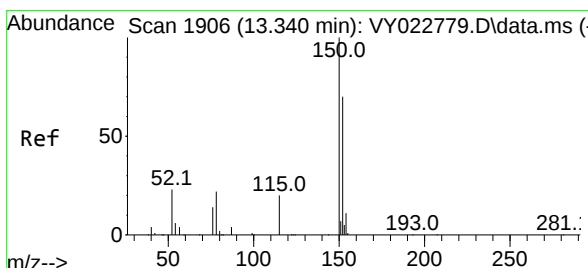
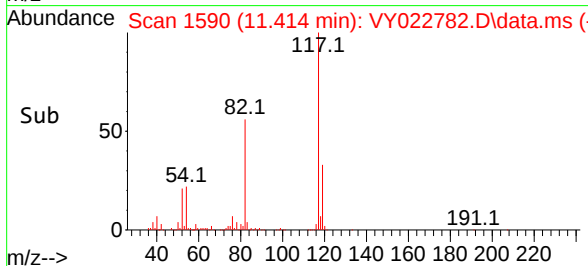
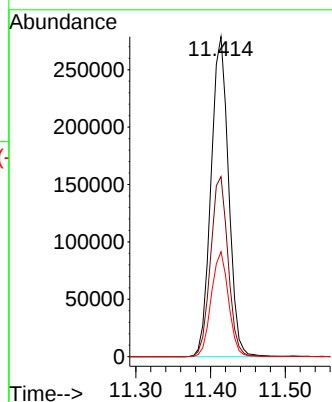
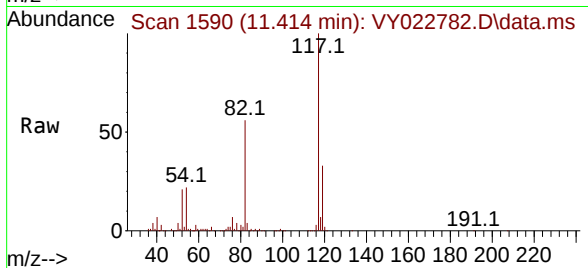
Tgt Ion:117 Resp: 454273

Ion Ratio Lower Upper

117 100

82 56.2 45.1 67.7

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY022782.D

Acq: 23 Jun 2025 15:54

Tgt Ion:152 Resp: 179903

Ion Ratio Lower Upper

152 100

115 57.9 28.1 84.3

150 157.9 0.0 346.4

