

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022914.D
 Acq On : 02 Jul 2025 15:56
 Operator : SY/MD
 Sample : Q2458-07
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-62

Quant Time: Jul 03 02:23:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	277237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	246603	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180233	58.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.500%
35) Dibromofluoromethane	7.634	113	171976	52.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.500%
50) Toluene-d8	10.103	98	656357	50.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.402	95	242137	58.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.460%

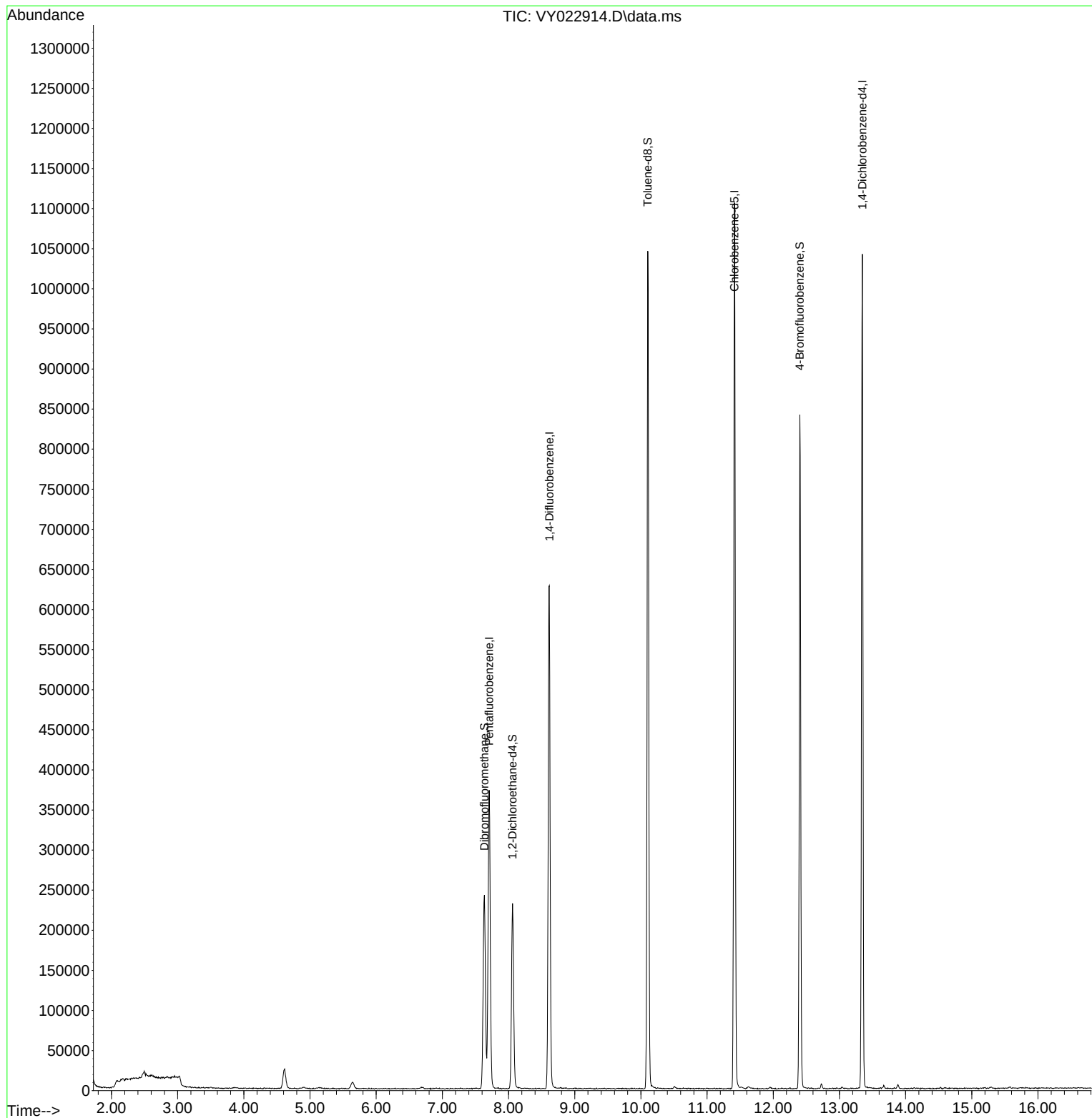
Target Compounds	Qvalue

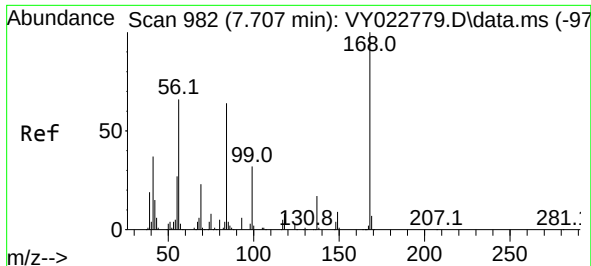
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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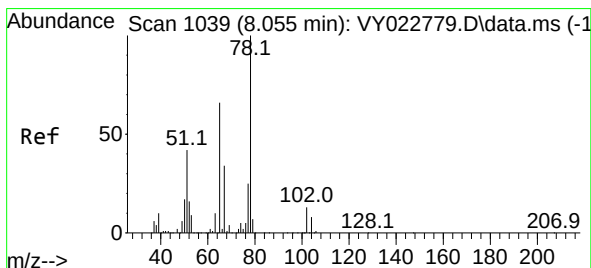
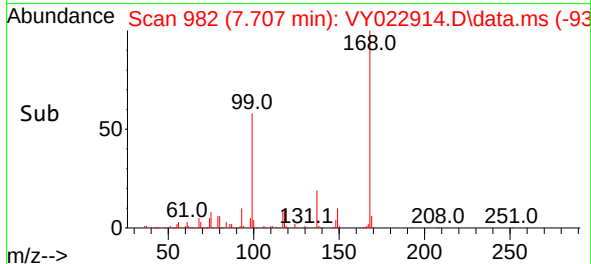
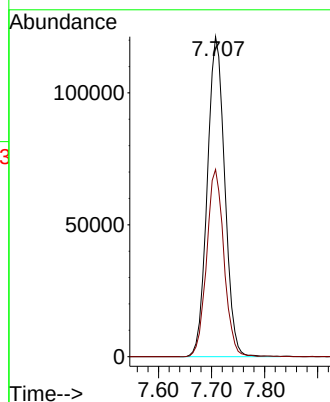
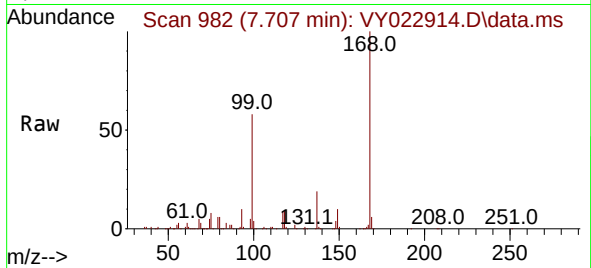




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

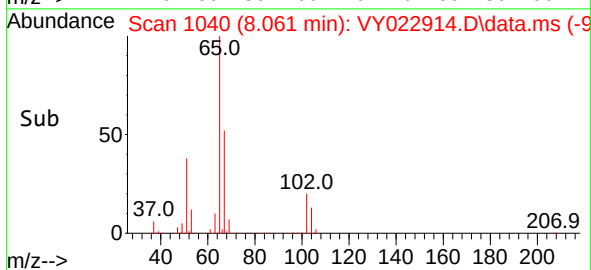
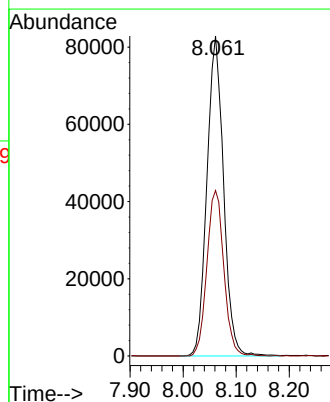
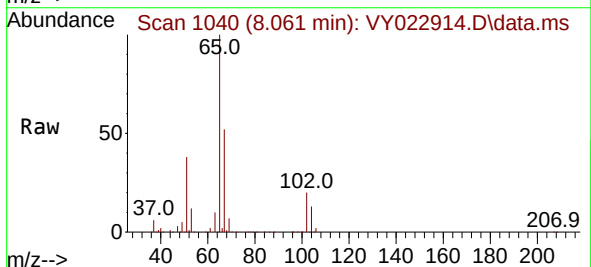
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

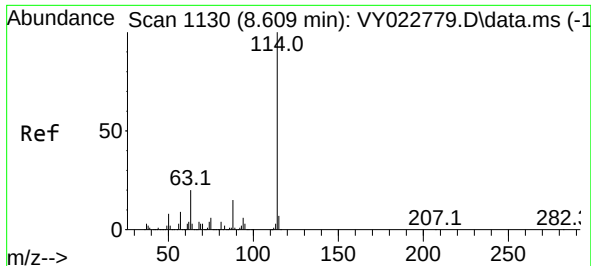
Tgt Ion:168 Resp: 277237
Ion Ratio Lower Upper
168 100
99 58.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 58.248 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion: 65 Resp: 180233
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-62

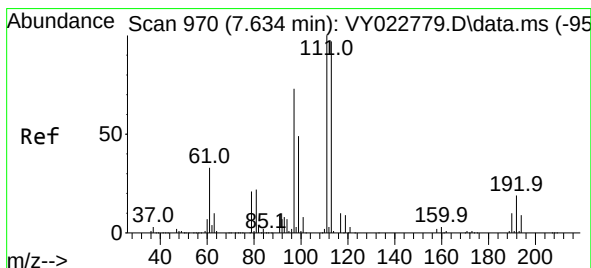
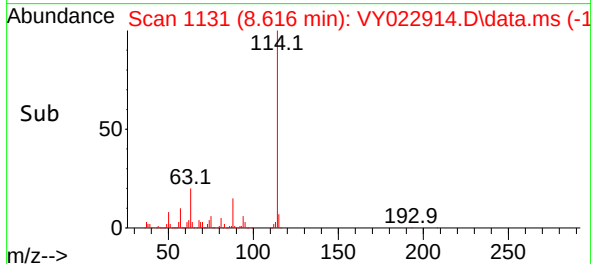
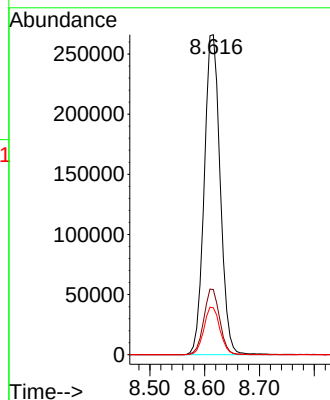
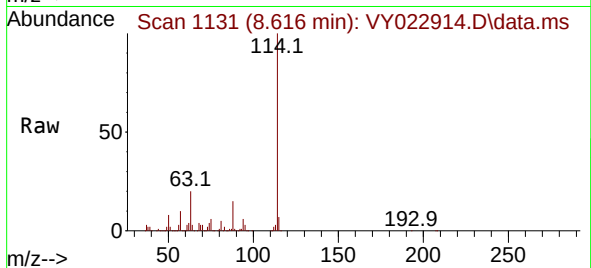
Tgt Ion:114 Resp: 536046

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.754 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

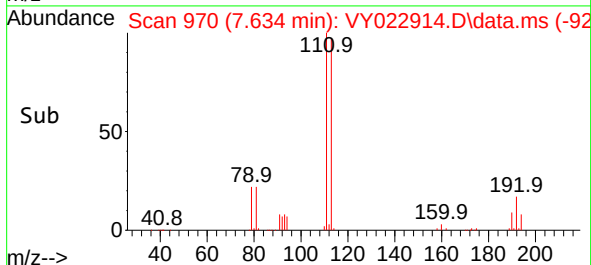
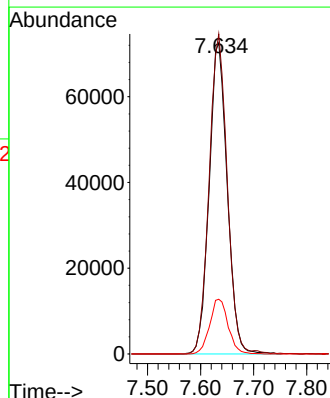
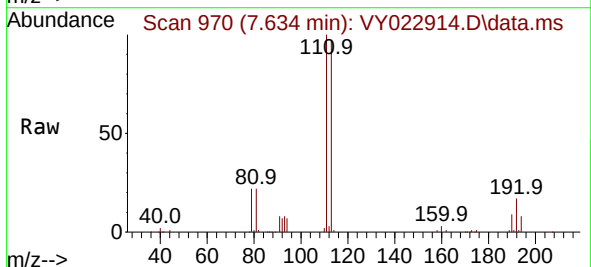
Tgt Ion:113 Resp: 171976

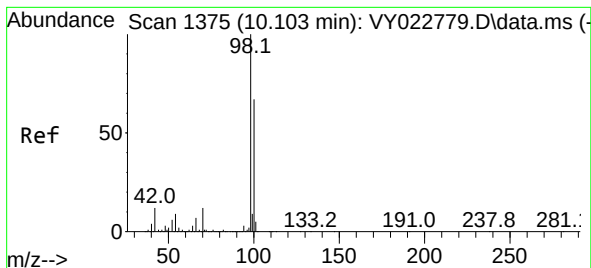
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 17.9 14.2 21.2





#50

Toluene-d8

Concen: 50.739 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

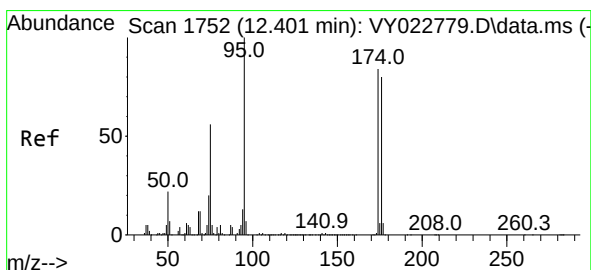
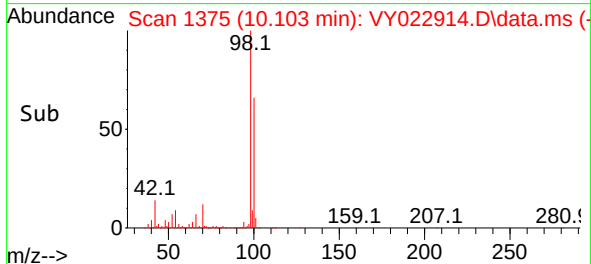
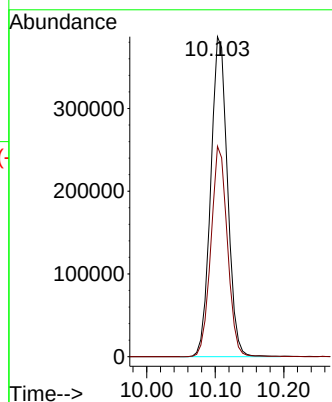
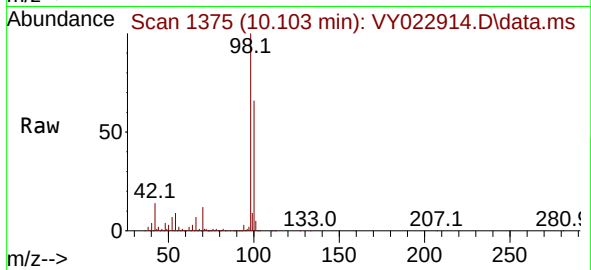
TP-62

Tgt Ion: 98 Resp: 656357

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 58.227 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

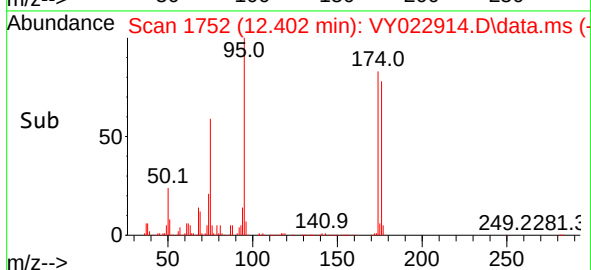
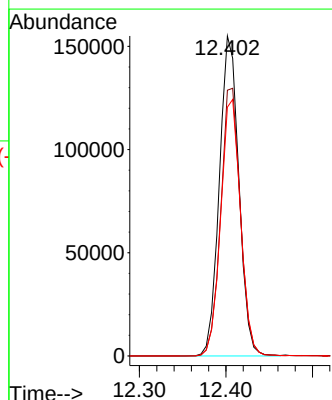
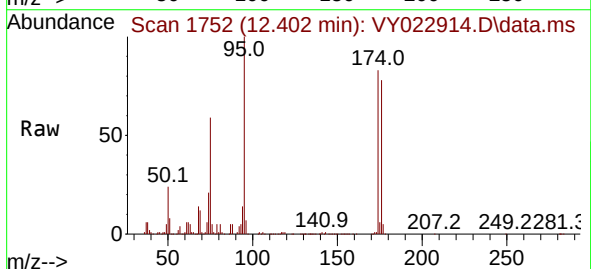
Tgt Ion: 95 Resp: 242137

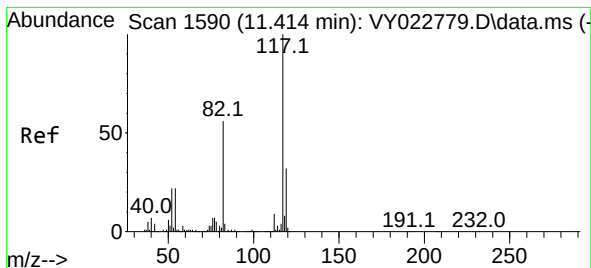
Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.0

176 81.9 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: VY022914.D

Acq: 02 Jul 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-62

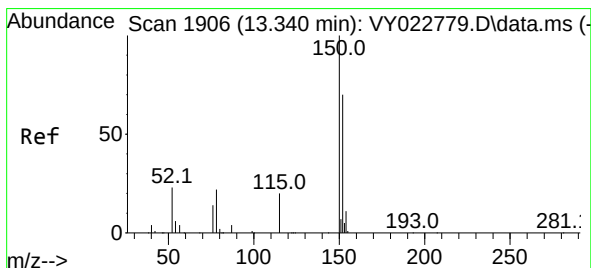
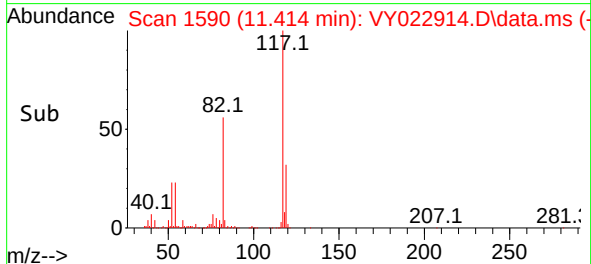
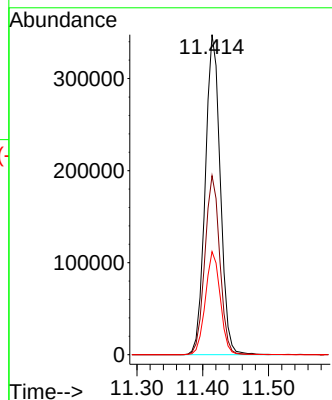
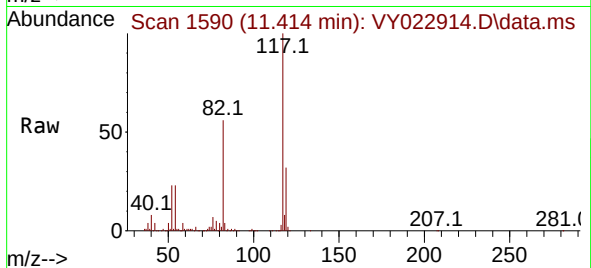
Tgt Ion:117 Resp: 553104

Ion Ratio Lower Upper

117 100

82 56.0 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Tgt Ion:152 Resp: 246603

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 157.5 0.0 349.6

