

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022977.D
 Acq On : 08 Jul 2025 15:50
 Operator : SY/MD
 Sample : Q2514-05
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-97

Quant Time: Jul 09 02:33:09 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	262340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	502677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	237990	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164423	56.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.320%
35) Dibromofluoromethane	7.628	113	159115	52.049	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.100%
50) Toluene-d8	10.103	98	628415	51.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.600%
62) 4-Bromofluorobenzene	12.401	95	233252	59.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.620%

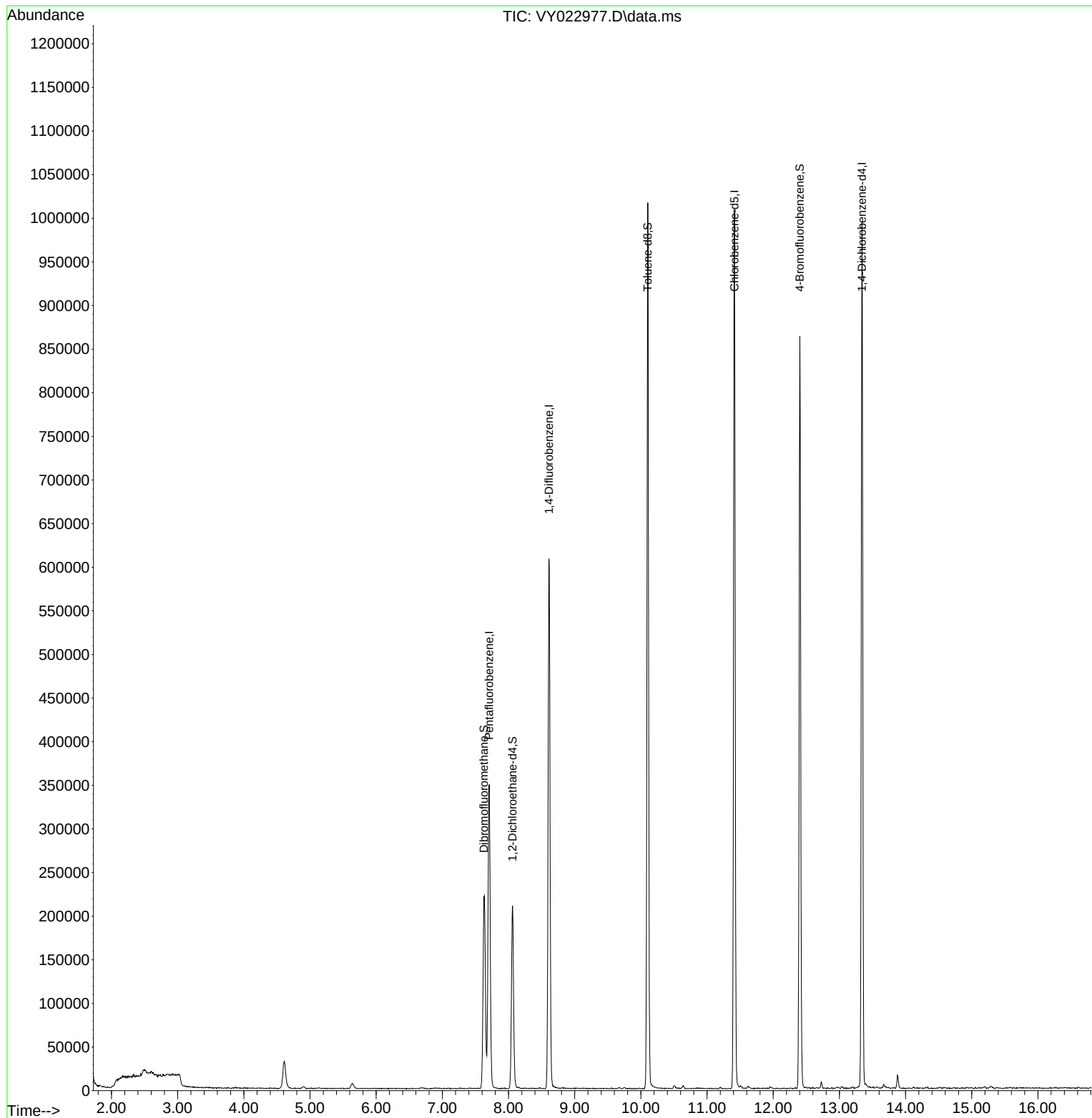
Target Compounds	Qvalue

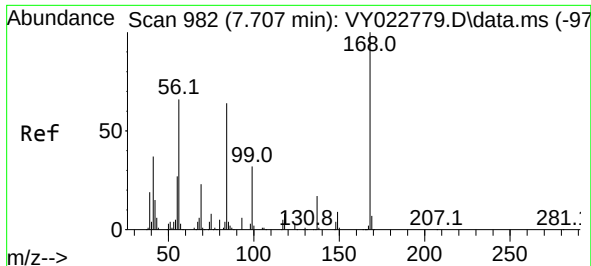
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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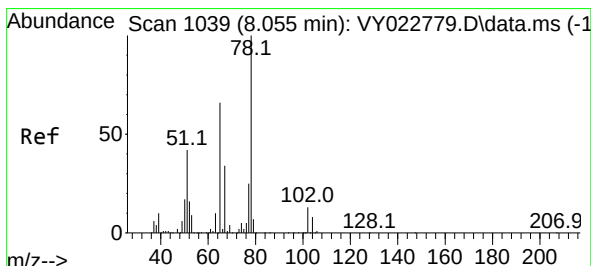
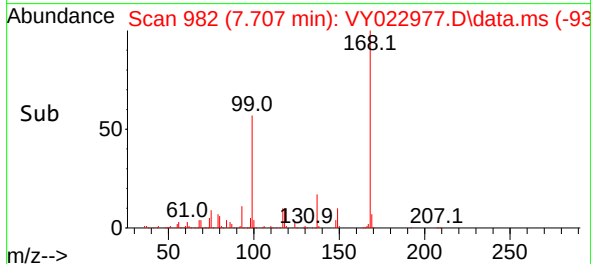
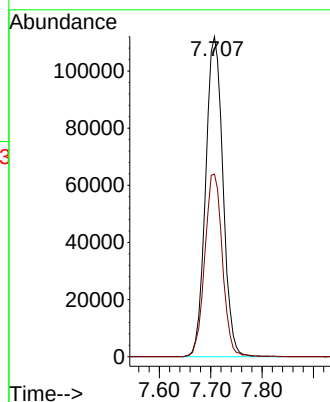
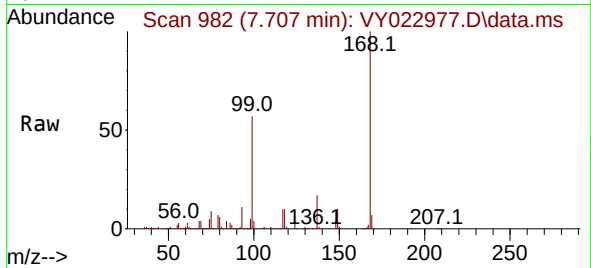




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

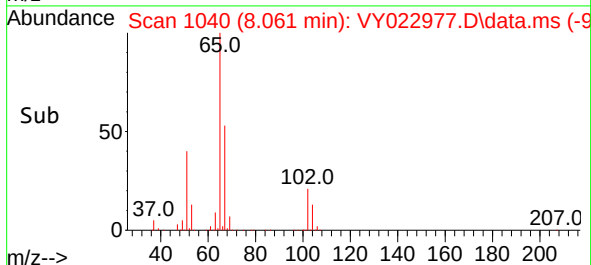
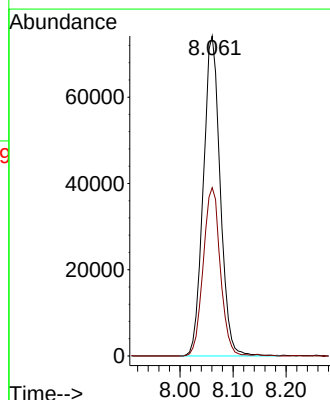
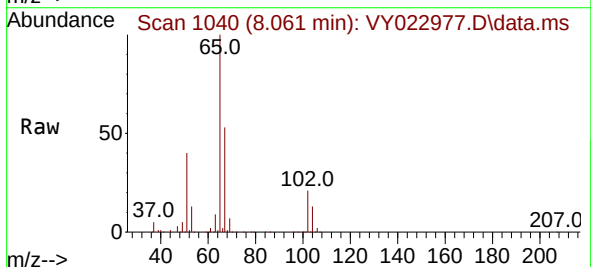
Instrument :
MSVOA_Y
ClientSampleId :
TP-97

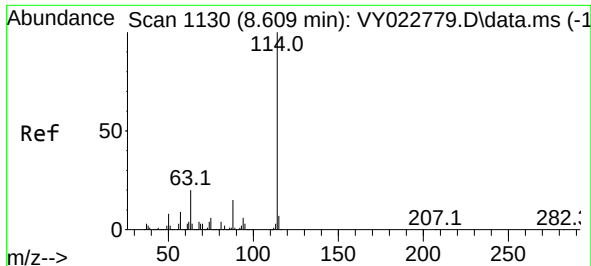
Tgt Ion:168 Resp: 262340
Ion Ratio Lower Upper
168 100
99 57.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 56.156 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Tgt Ion: 65 Resp: 164423
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022977.D

Acq: 08 Jul 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-97

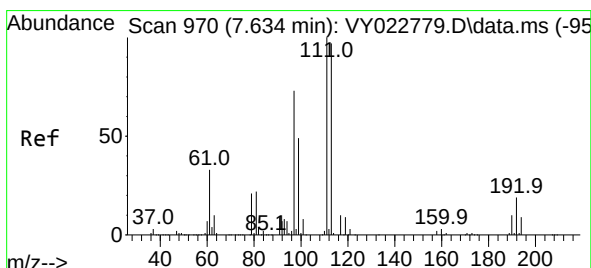
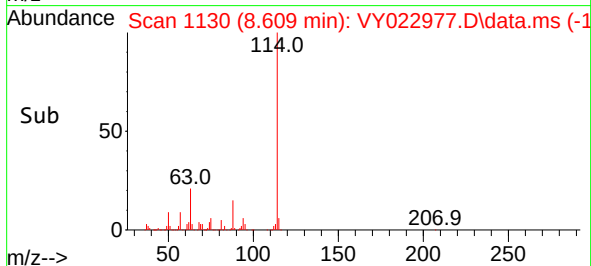
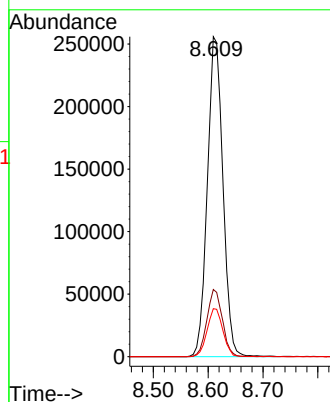
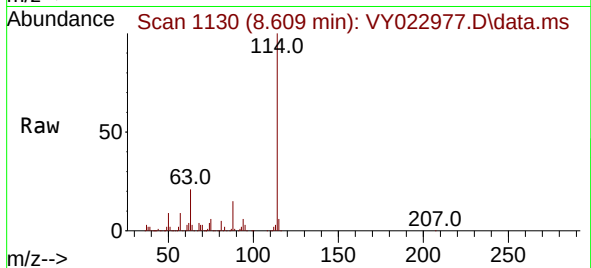
Tgt Ion:114 Resp: 502677

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.049 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022977.D

Acq: 08 Jul 2025 15:50

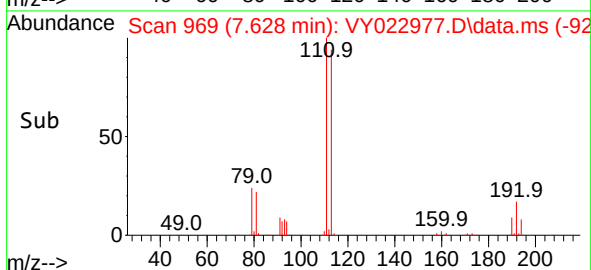
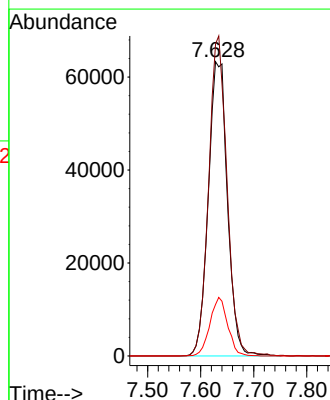
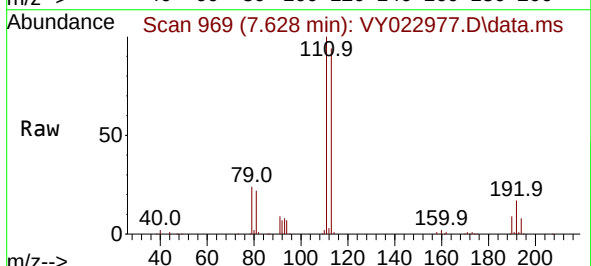
Tgt Ion:113 Resp: 159115

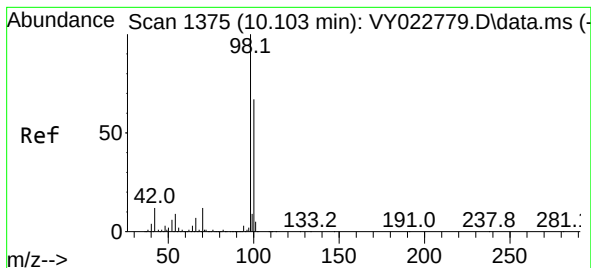
Ion Ratio Lower Upper

113 100

111 104.2 81.1 121.7

192 18.5 14.2 21.2





#50

Toluene-d8

Concen: 51.803 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022977.D

Acq: 08 Jul 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

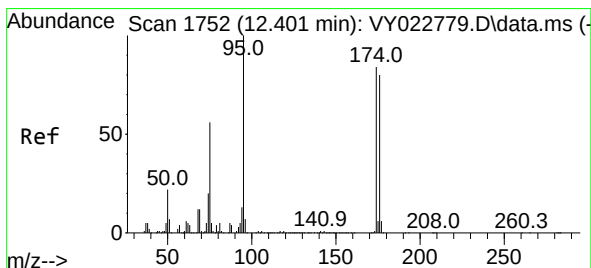
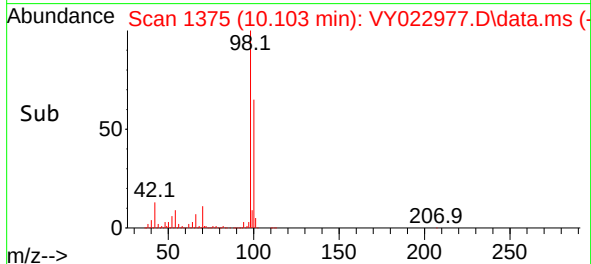
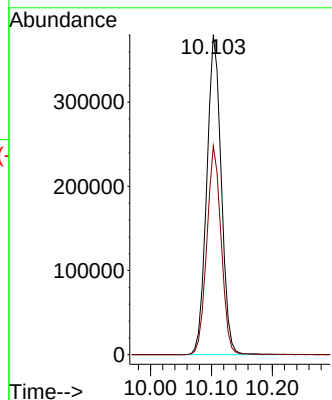
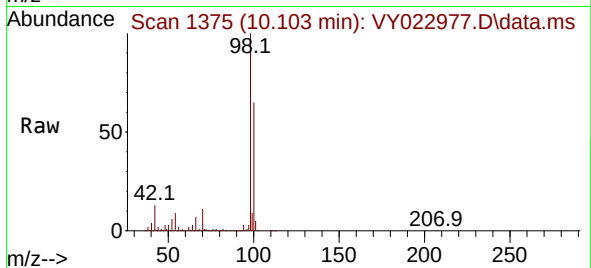
TP-97

Tgt Ion: 98 Resp: 628415

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 59.814 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022977.D

Acq: 08 Jul 2025 15:50

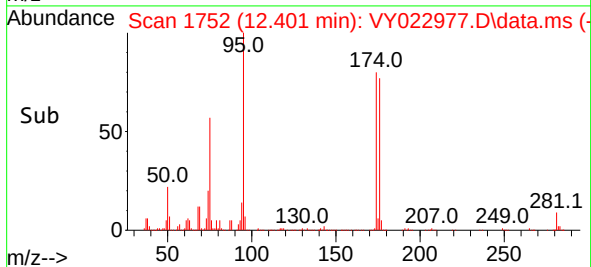
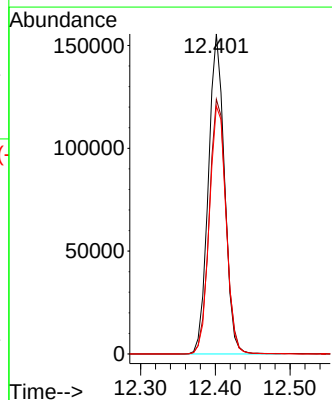
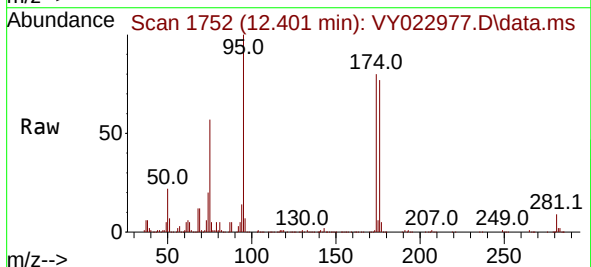
Tgt Ion: 95 Resp: 233252

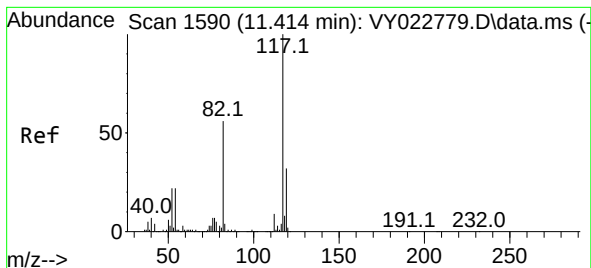
Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.0

176 80.3 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: VY022977.D

Acq: 08 Jul 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-97

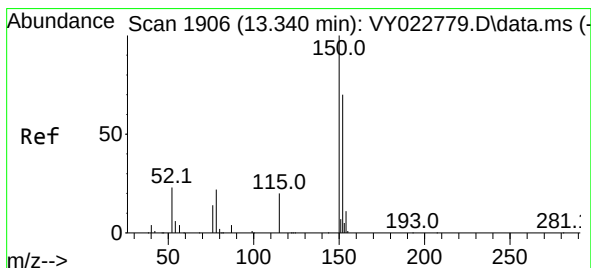
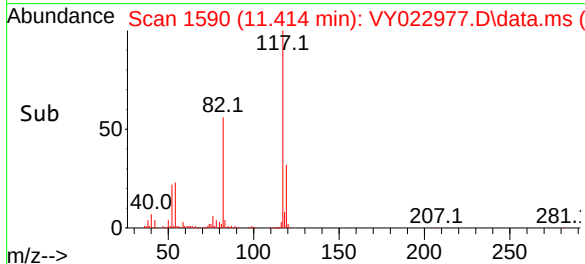
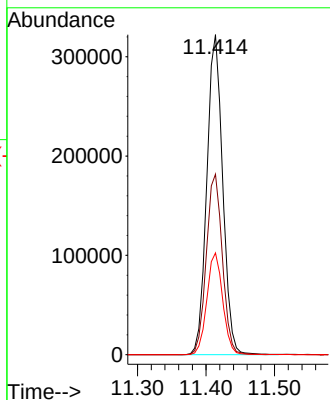
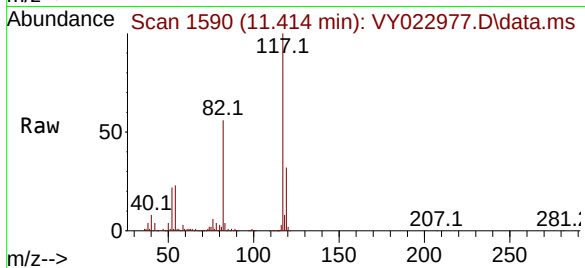
Tgt Ion:117 Resp: 519133

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022977.D

Acq: 08 Jul 2025 15:50

Tgt Ion:152 Resp: 237990

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 157.9 0.0 349.6

