

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022975.D
 Acq On : 08 Jul 2025 15:03
 Operator : SY/MD
 Sample : Q2514-03
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-94

Quant Time: Jul 09 02:32:16 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	274589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	526595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	522704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	228112	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163927	53.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.980%
35) Dibromofluoromethane	7.634	113	168959	52.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.520%
50) Toluene-d8	10.103	98	650457	51.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.380%
62) 4-Bromofluorobenzene	12.402	95	230529	56.430	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.860%

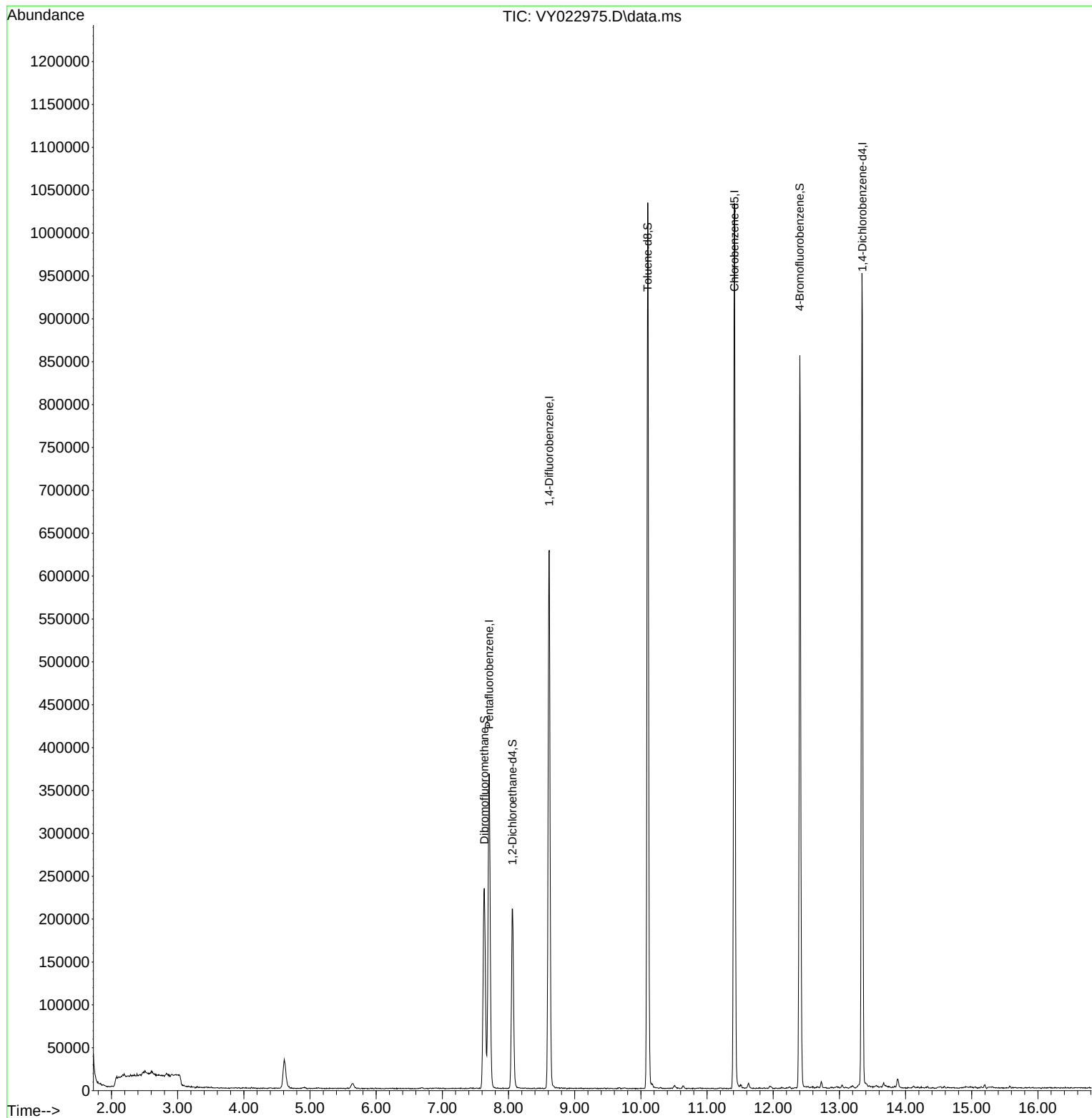
Target Compounds	Qvalue

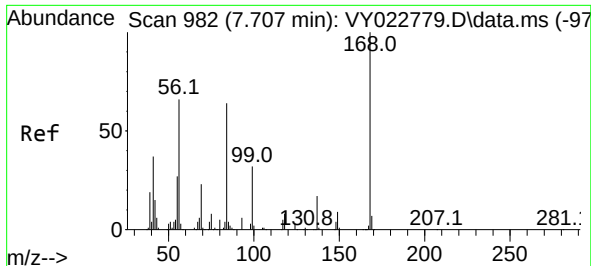
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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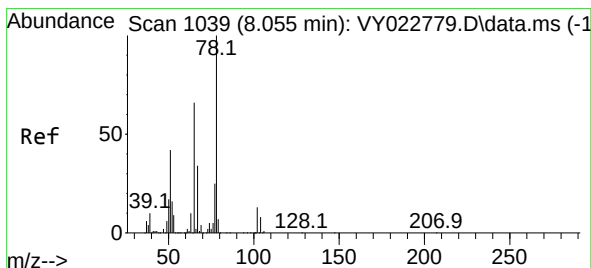
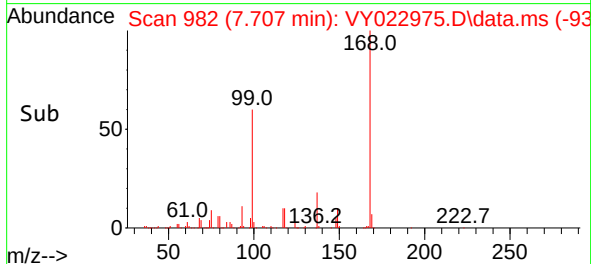
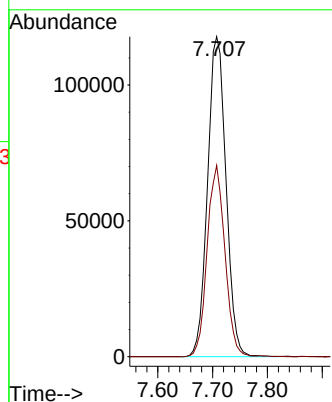
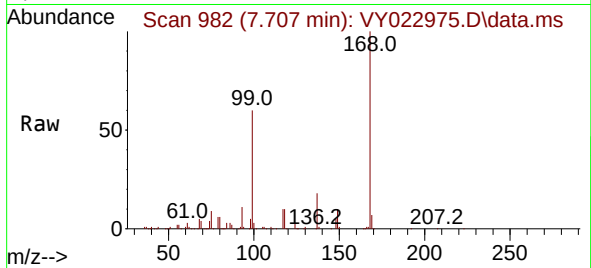




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

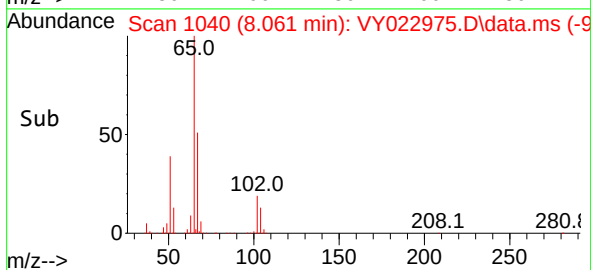
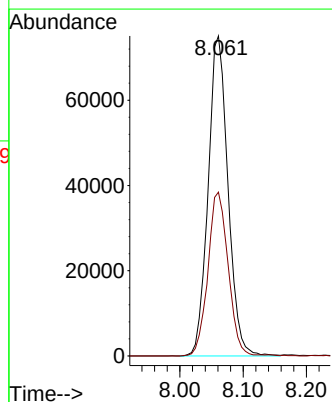
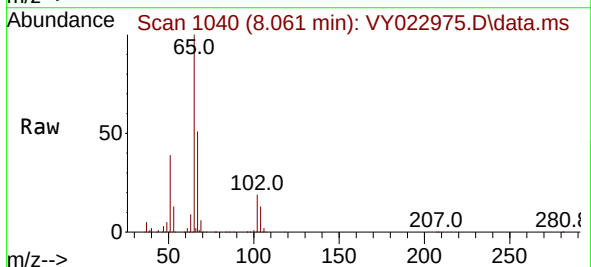
Instrument :
MSVOA_Y
ClientSampleId :
TP-94

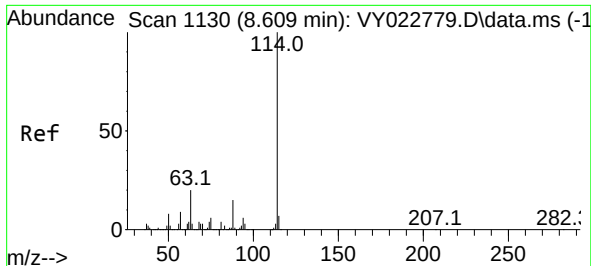
Tgt Ion:168 Resp: 274589
Ion Ratio Lower Upper
168 100
99 59.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.489 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 65 Resp: 163927
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

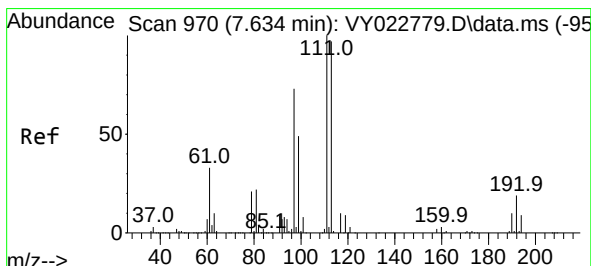
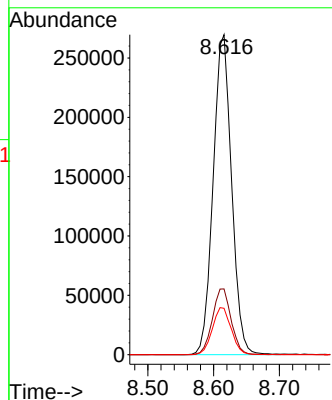
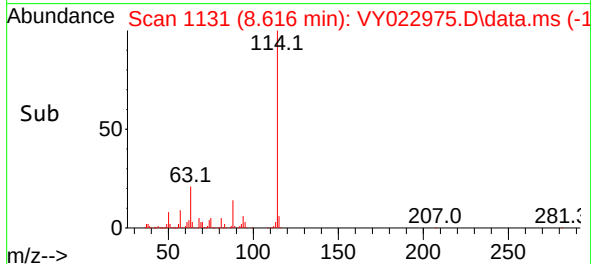
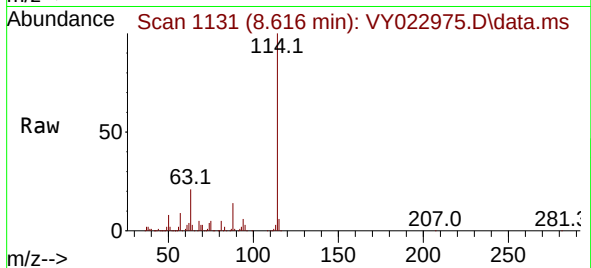




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

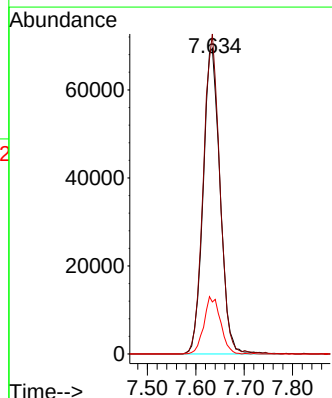
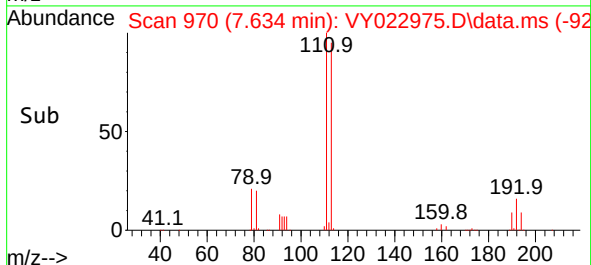
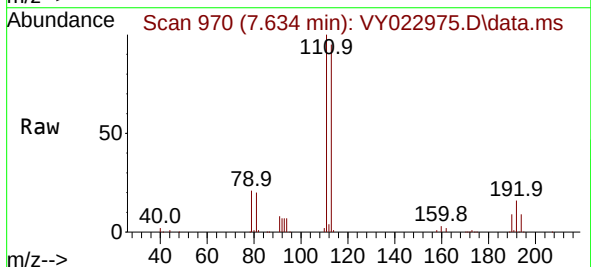
Instrument :
MSVOA_Y
ClientSampleId :
TP-94

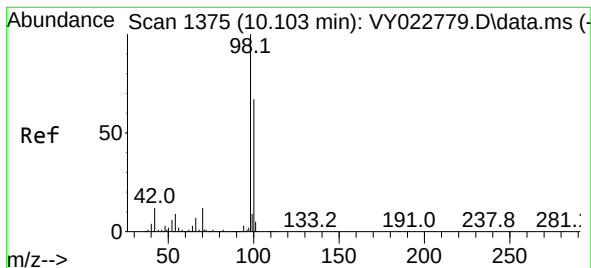
Tgt Ion:114 Resp: 526595
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.759 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion:113 Resp: 168959
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.4 14.2 21.2





#50

Toluene-d8

Concen: 51.185 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022975.D

Acq: 08 Jul 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

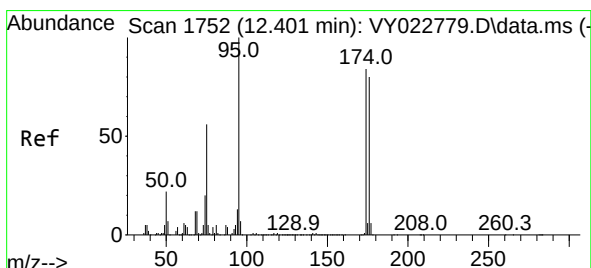
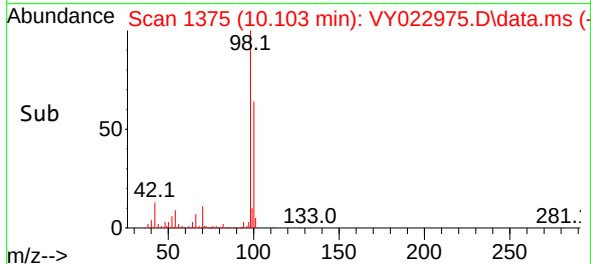
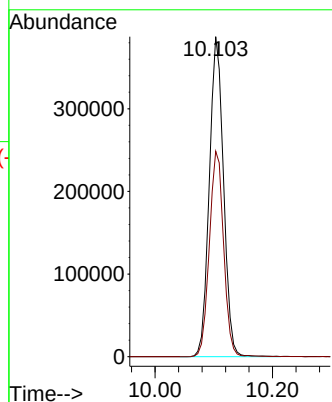
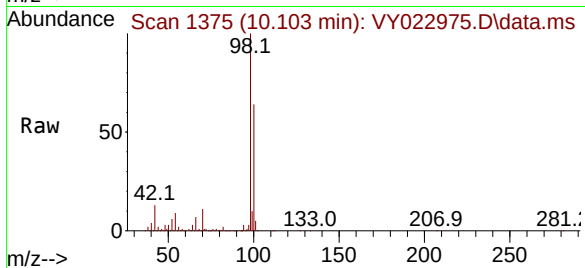
TP-94

Tgt Ion: 98 Resp: 650457

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 56.430 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022975.D

Acq: 08 Jul 2025 15:03

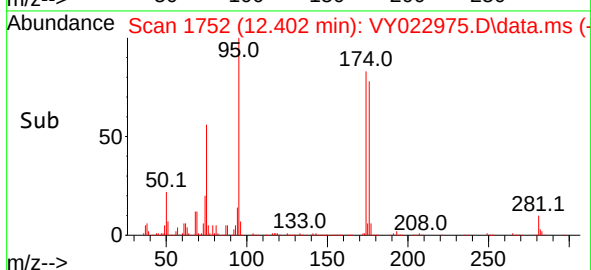
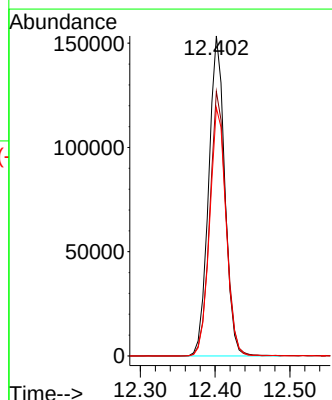
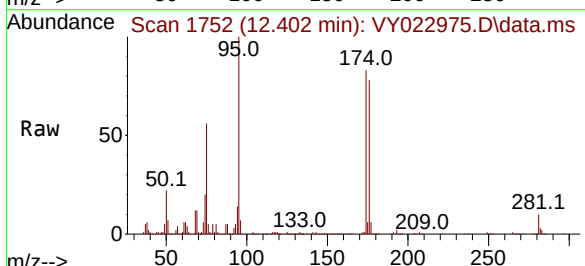
Tgt Ion: 95 Resp: 230529

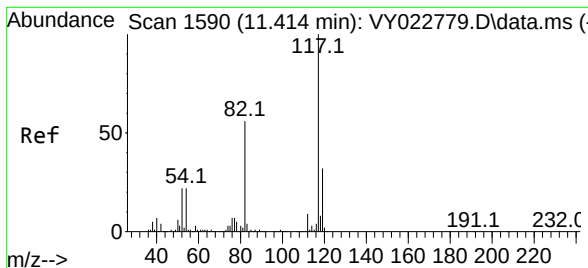
Ion Ratio Lower Upper

95 100

174 83.2 0.0 170.0

176 78.8 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: VY022975.D

Acq: 08 Jul 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-94

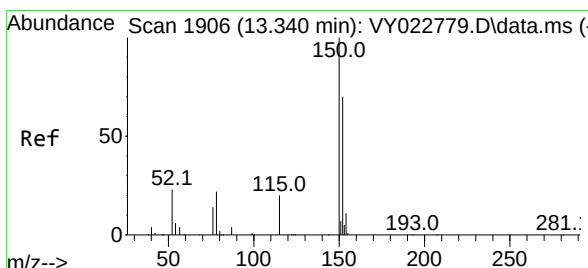
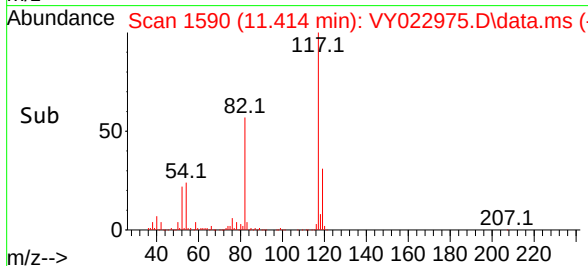
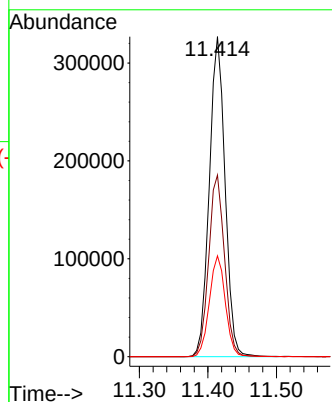
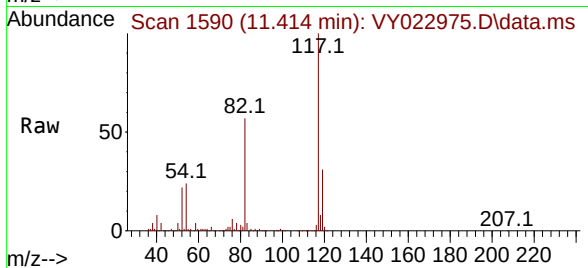
Tgt Ion:117 Resp: 522704

Ion Ratio Lower Upper

117 100

82 56.7 44.6 66.8

119 31.5 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: VY022975.D

Acq: 08 Jul 2025 15:03

Tgt Ion:152 Resp: 228112

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.7

150 157.2 0.0 349.6

