

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022959.D
 Acq On : 07 Jul 2025 14:48
 Operator : SY/MD
 Sample : Q2484-02
 Misc : 3.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-57

Quant Time: Jul 08 01:48:17 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	301710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	565210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	552333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	223902	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162420	48.233	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.460%
35) Dibromofluoromethane	7.634	113	175192	50.967	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.940%
50) Toluene-d8	10.103	98	689369	50.541	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.080%
62) 4-Bromofluorobenzene	12.402	95	234355	53.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.900%

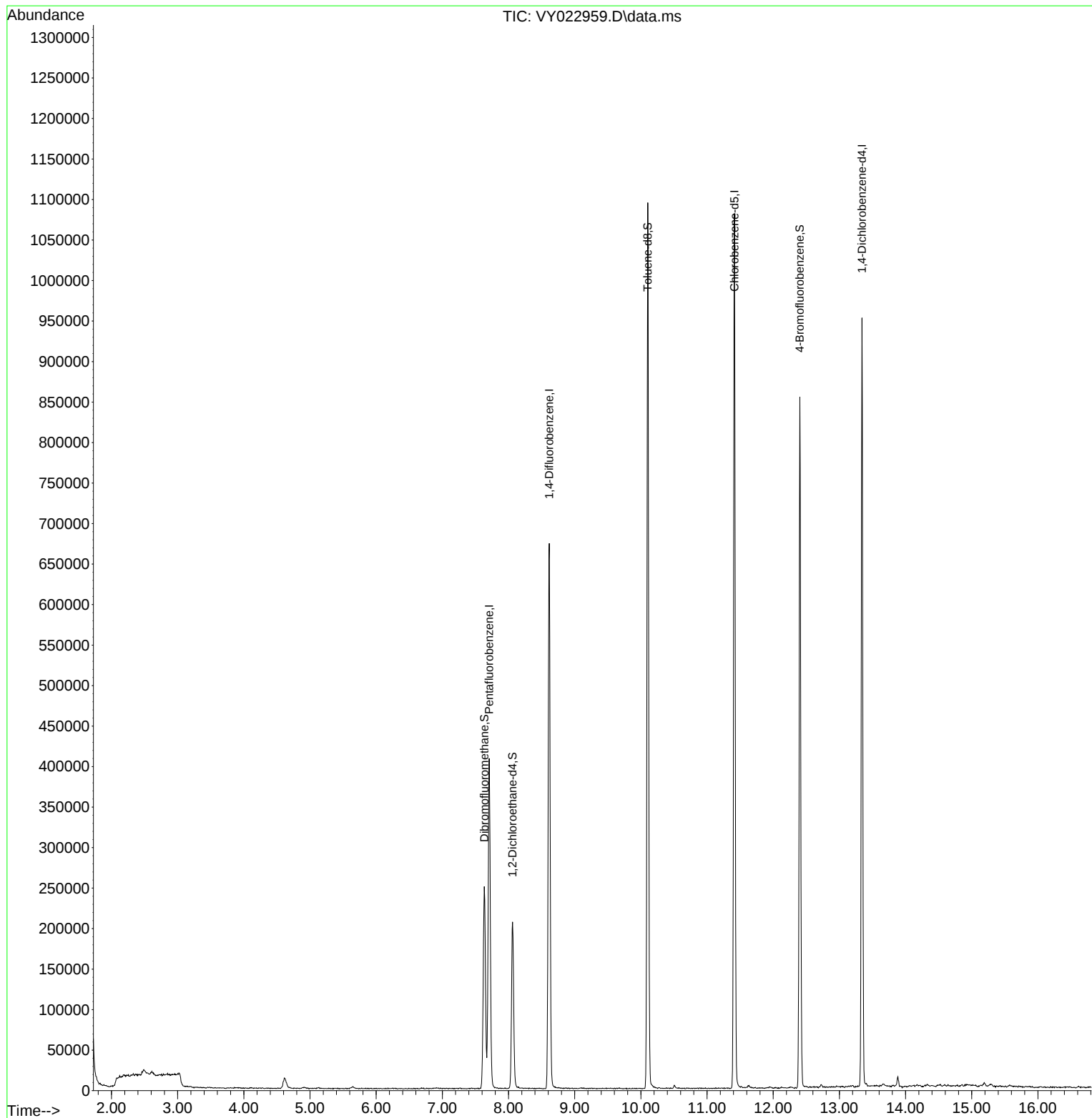
Target Compounds	Qvalue

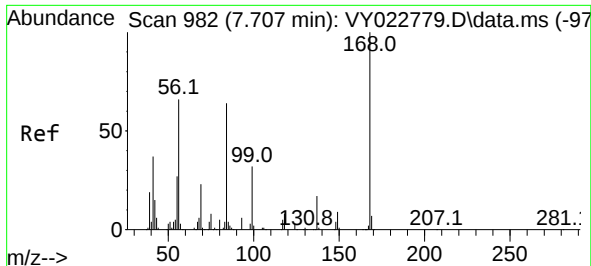
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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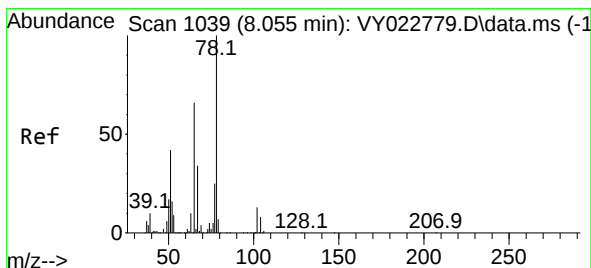
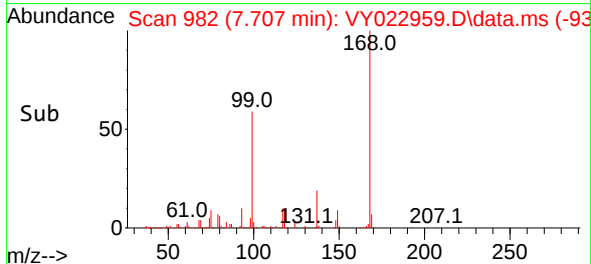
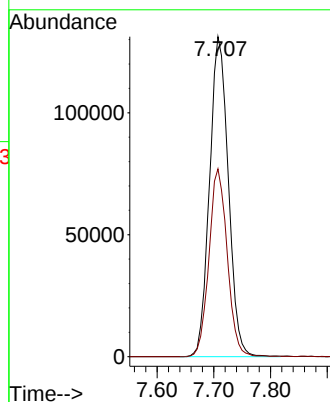
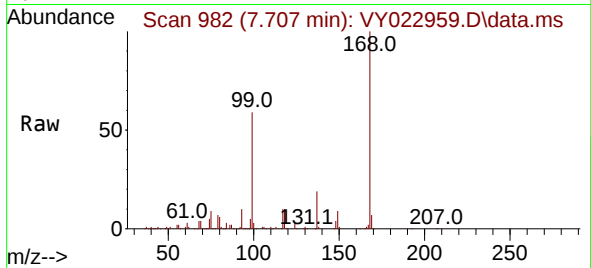




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

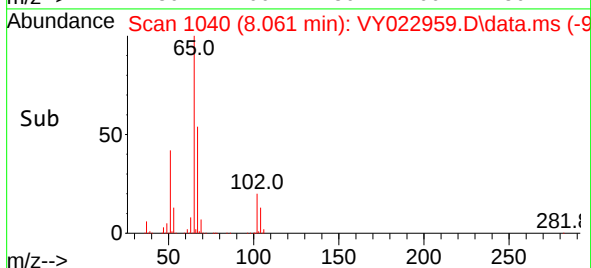
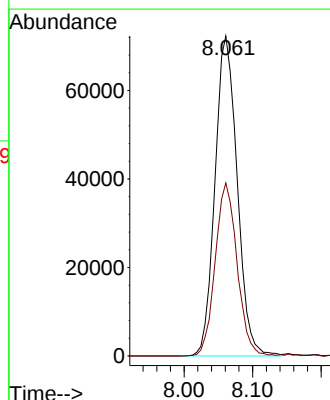
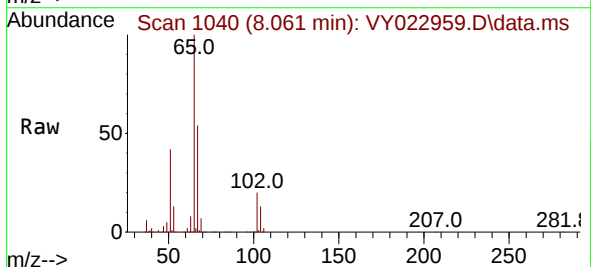
Instrument :
MSVOA_Y
ClientSampleId :
TP-57

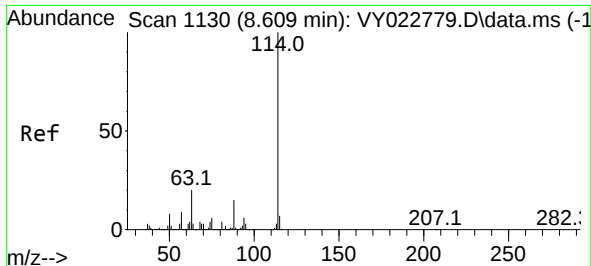
Tgt Ion:168 Resp: 301710
Ion Ratio Lower Upper
168 100
99 58.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.233 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion: 65 Resp: 162420
Ion Ratio Lower Upper
65 100
67 53.3 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: VY022959.D

Acq: 07 Jul 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-57

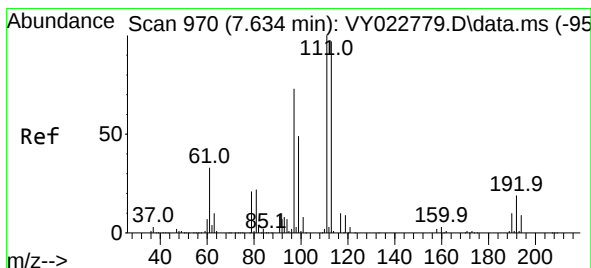
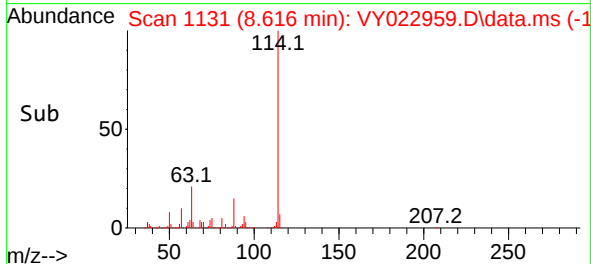
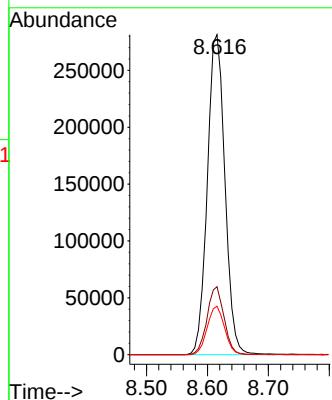
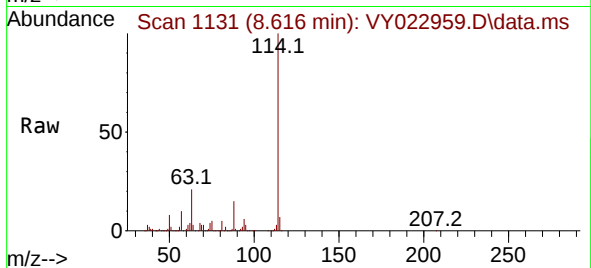
Tgt Ion:114 Resp: 565210

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.967 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

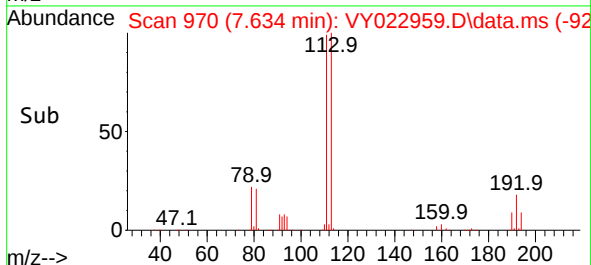
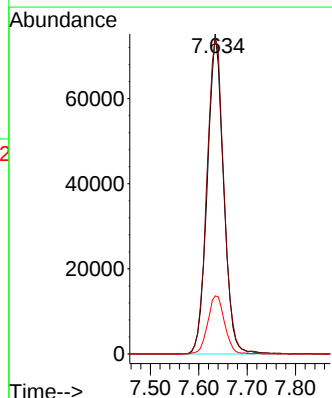
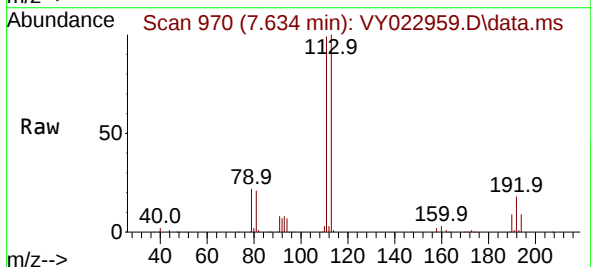
Tgt Ion:113 Resp: 175192

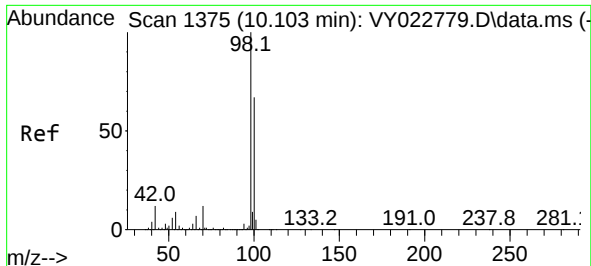
Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 18.8 14.2 21.2

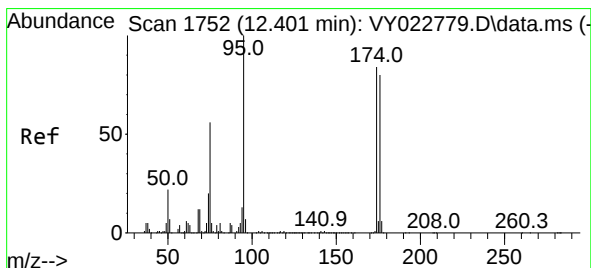
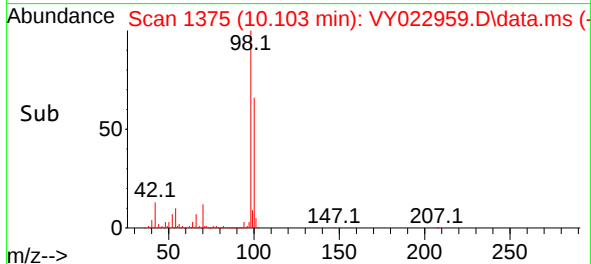
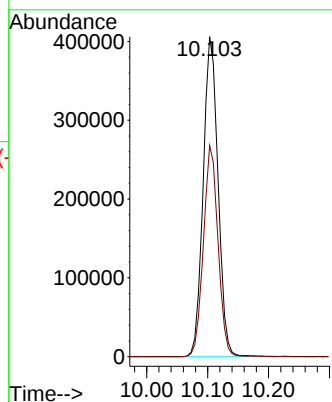
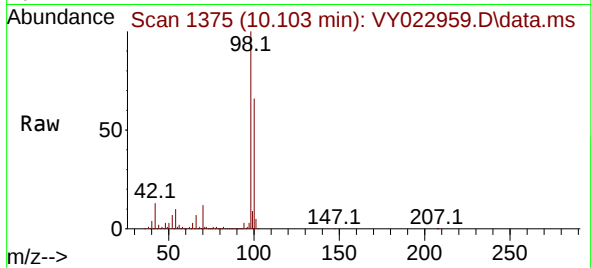




#50
Toluene-d8
Concen: 50.541 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

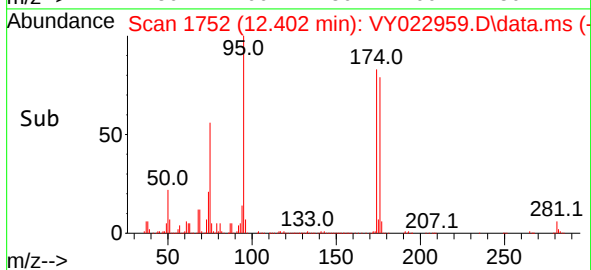
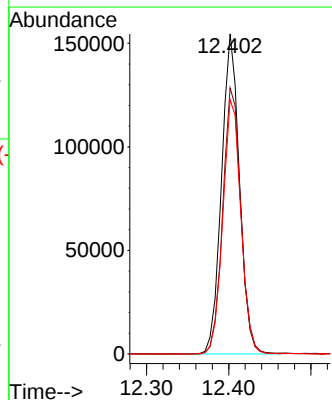
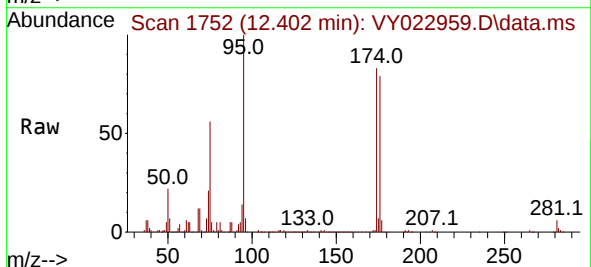
Instrument :
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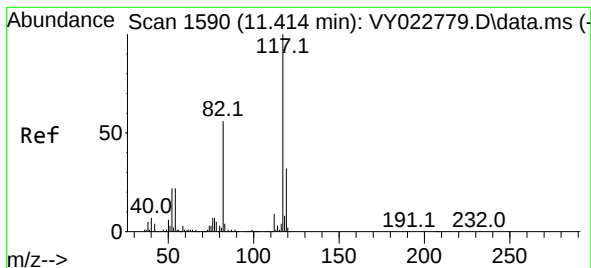
Tgt Ion: 98 Resp: 689369
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.447 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion: 95 Resp: 234355
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.0
176 80.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-57

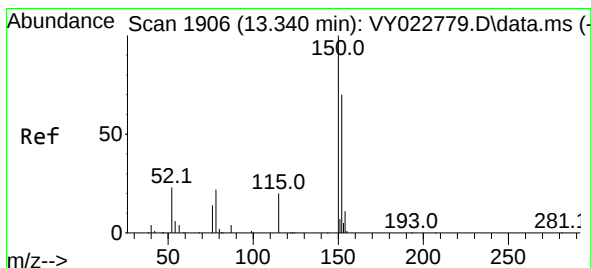
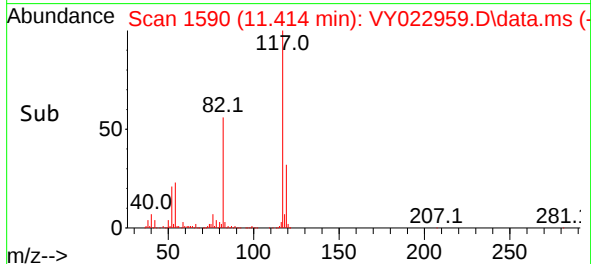
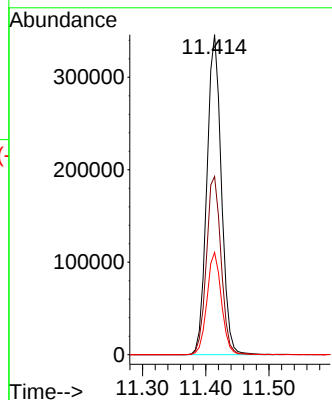
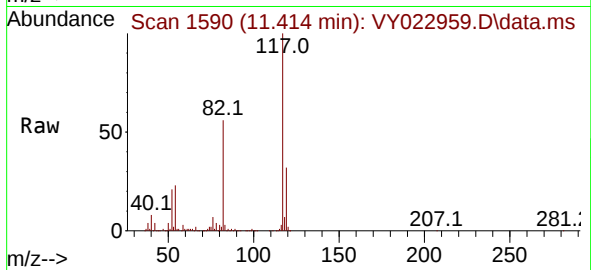
Tgt Ion:117 Resp: 552333

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.0 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: VY022959.D

Acq: 07 Jul 2025 14:48

Tgt Ion:152 Resp: 223902

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 156.6 0.0 349.6

