

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022177.D
 Acq On : 06 May 2025 12:40
 Operator : SY/MD
 Sample : Q1960-02
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11933

Quant Time: May 07 04:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	211599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	419403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	380157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145755	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	118561	60.660	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.320%
35) Dibromofluoromethane	7.634	113	143997	51.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.940%
50) Toluene-d8	10.109	98	511849	49.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.000%
62) 4-Bromofluorobenzene	12.407	95	143933	40.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.860%

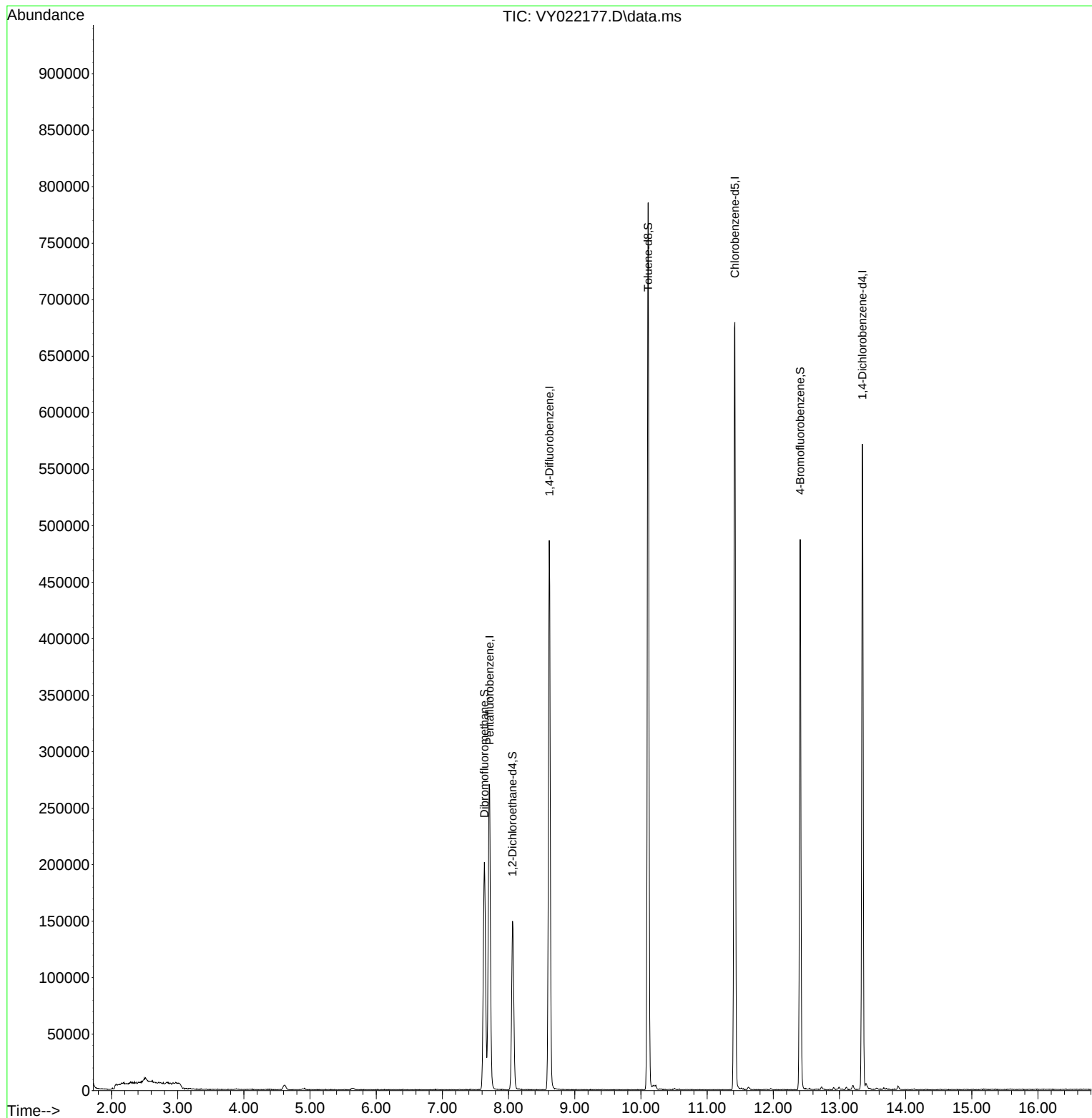
Target Compounds	Qvalue

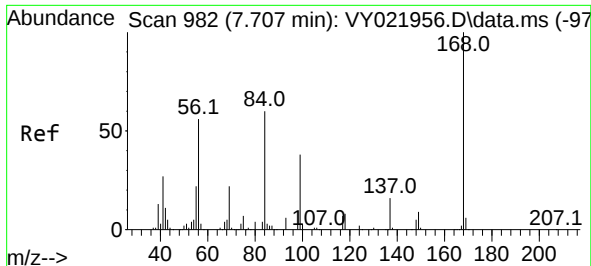
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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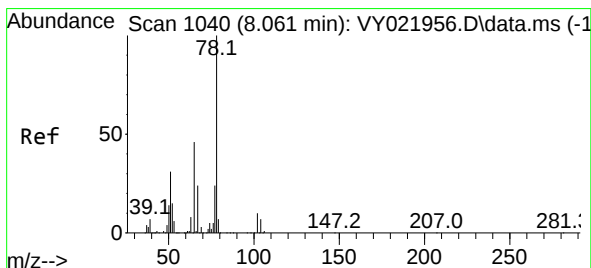
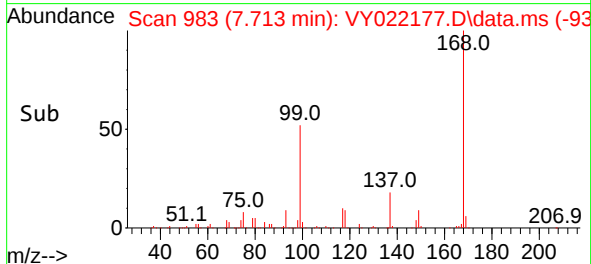
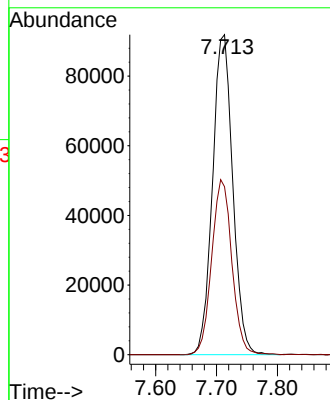
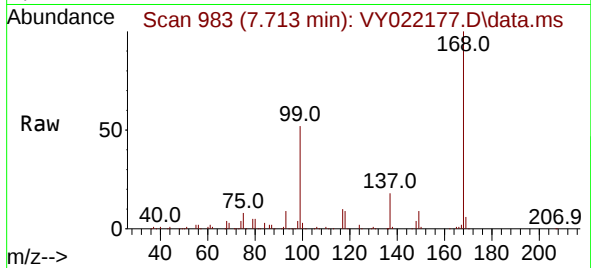




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

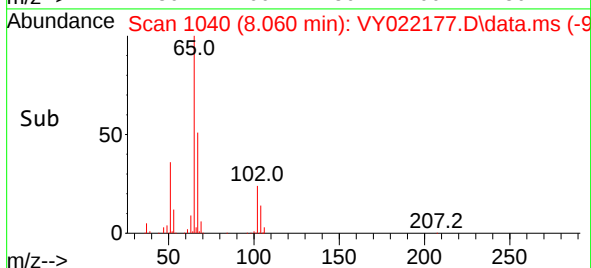
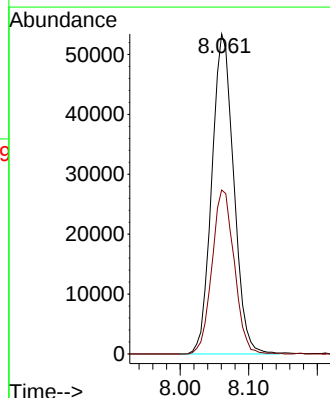
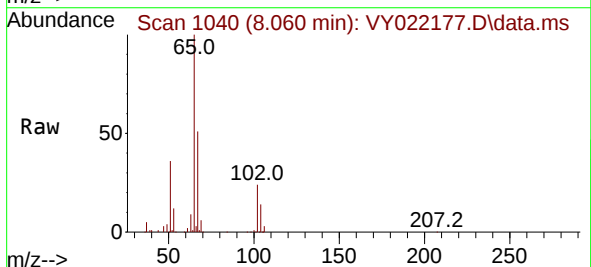
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

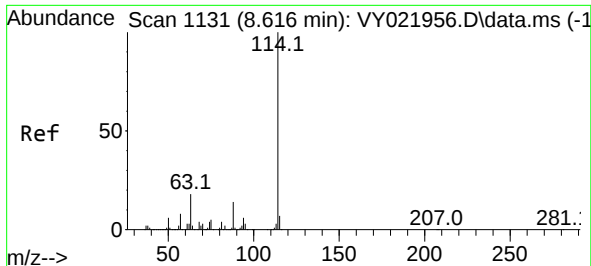
Tgt Ion:168 Resp: 211599
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 60.660 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion: 65 Resp: 118561
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11933

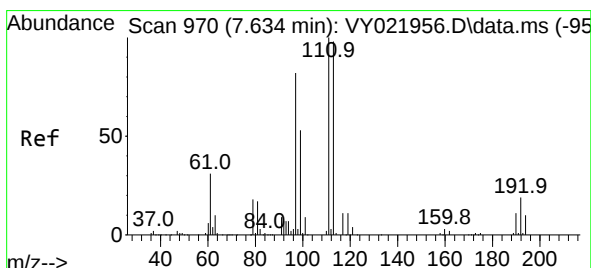
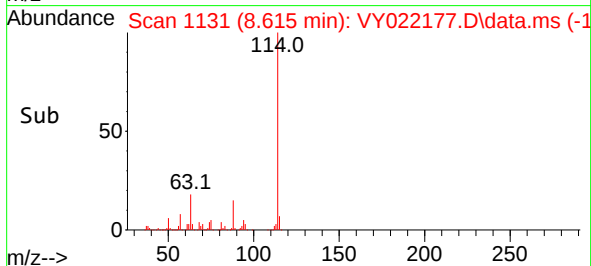
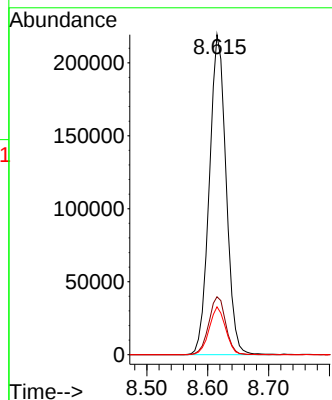
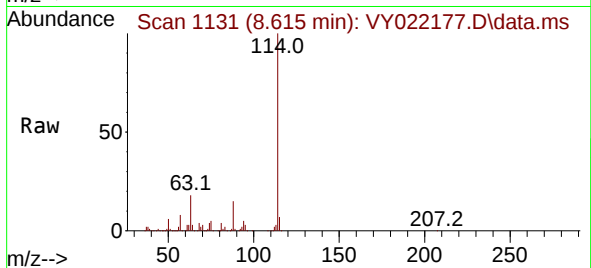
Tgt Ion:114 Resp: 419403

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.969 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

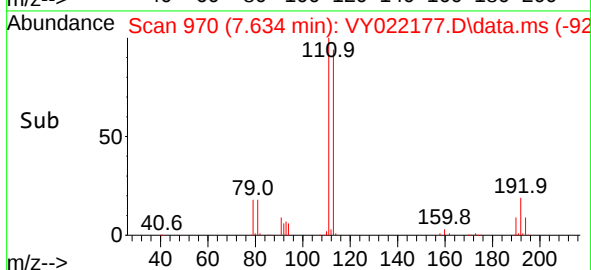
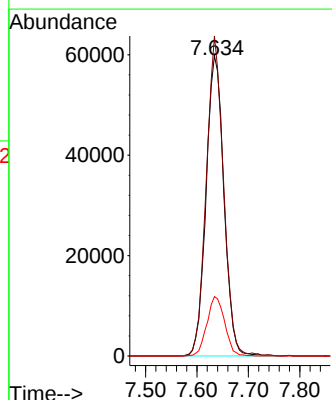
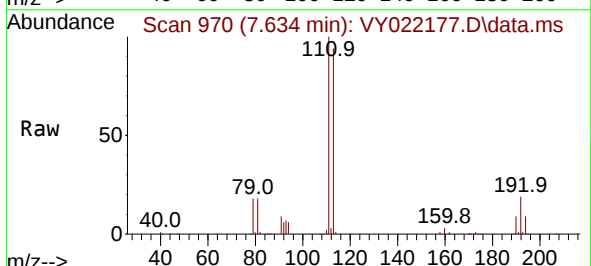
Tgt Ion:113 Resp: 143997

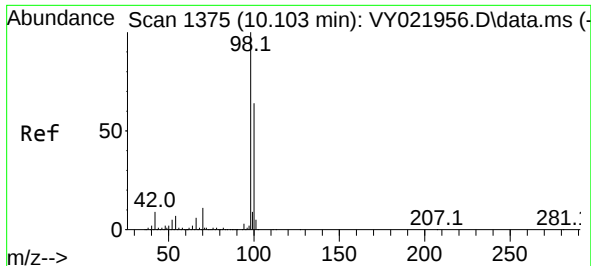
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 19.7 15.6 23.4

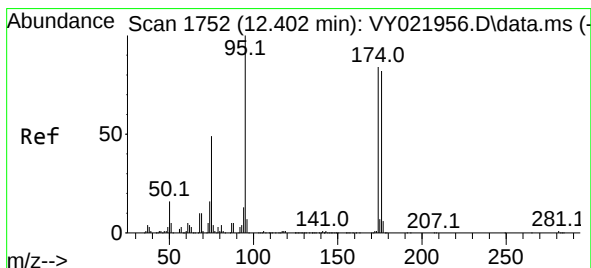
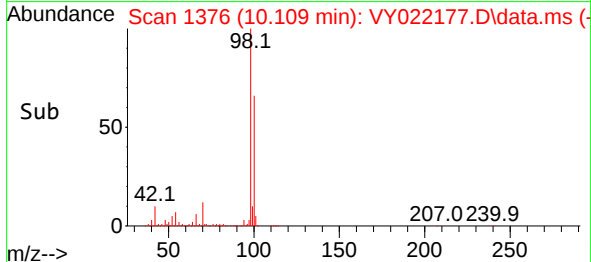
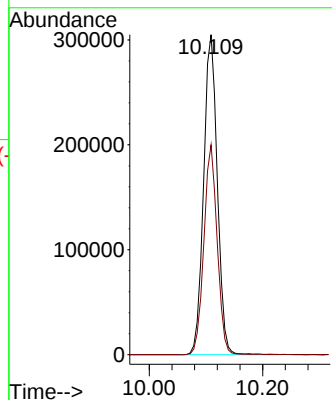
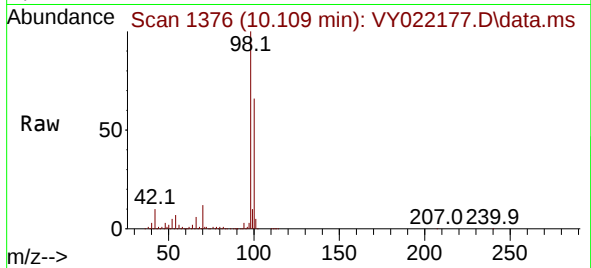




#50
Toluene-d8
Concen: 49.000 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

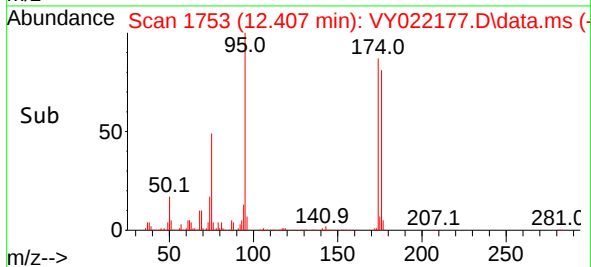
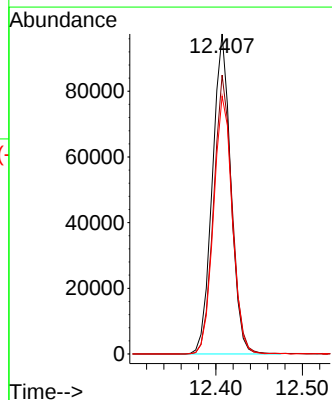
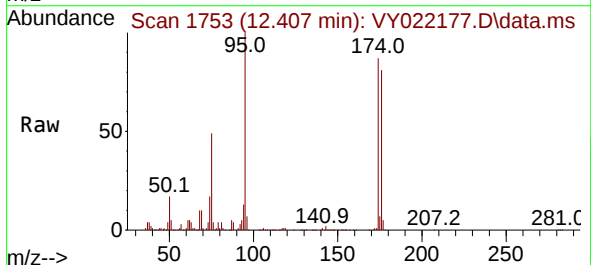
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

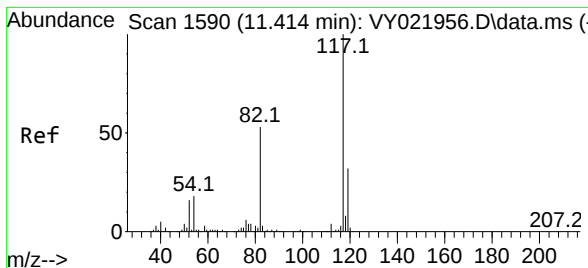
Tgt Ion: 98 Resp: 511849
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 40.931 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion: 95 Resp: 143933
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 82.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11933

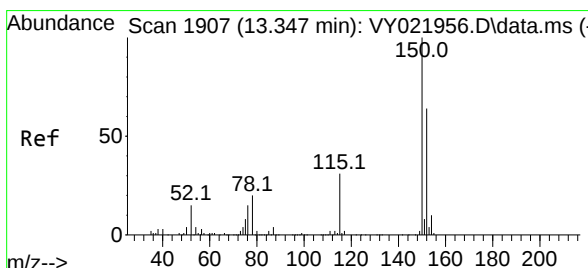
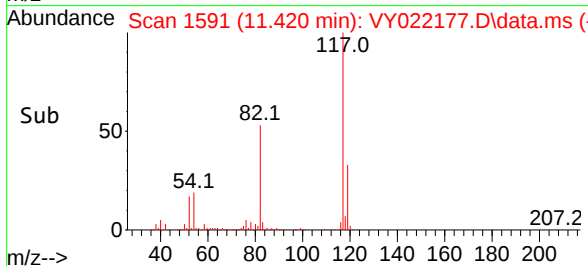
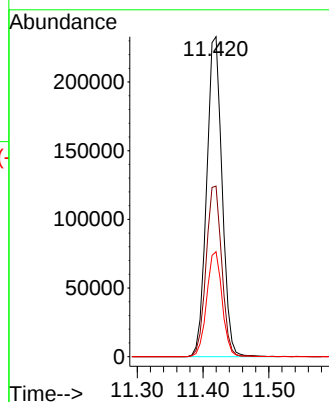
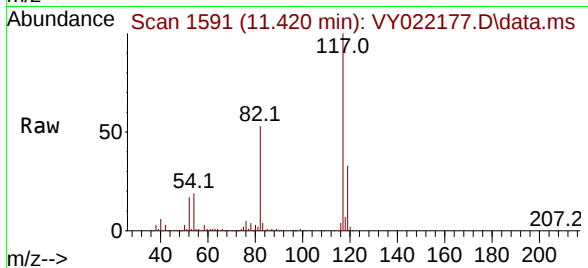
Tgt Ion:117 Resp: 380157

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Tgt Ion:152 Resp: 145755

Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 156.6 0.0 345.6

