

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022390.D
 Acq On : 22 May 2025 12:58
 Operator : SY/MD
 Sample : Q2074-02
 Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: May 23 03:36:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	245848	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	434620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	349949	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	127586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	127834	47.577	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.160%
35) Dibromofluoromethane	7.646	113	129846	50.055	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.115	98	515620	48.533	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.414	95	133711	39.706	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.420%

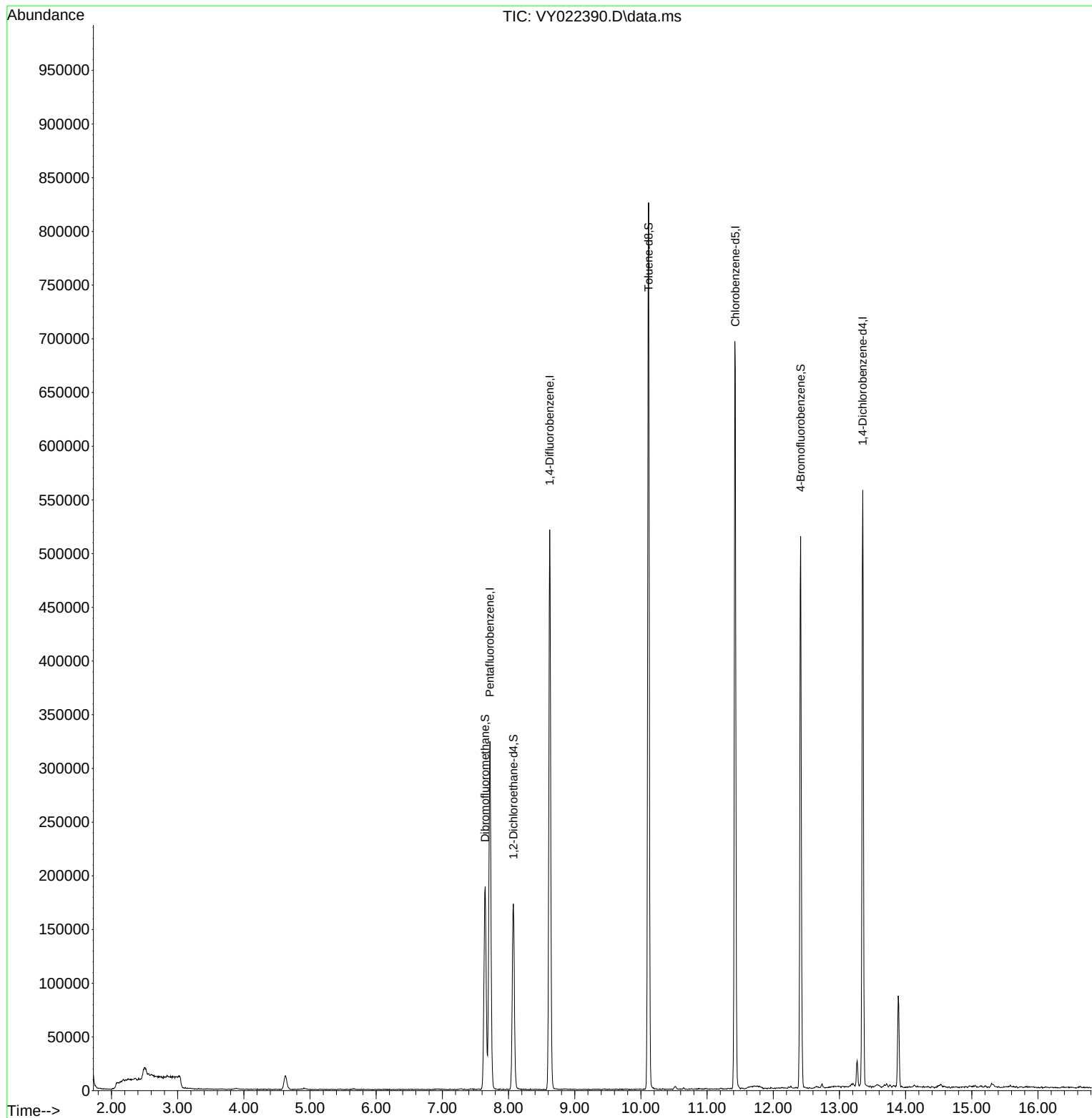
Target Compounds	Qvalue

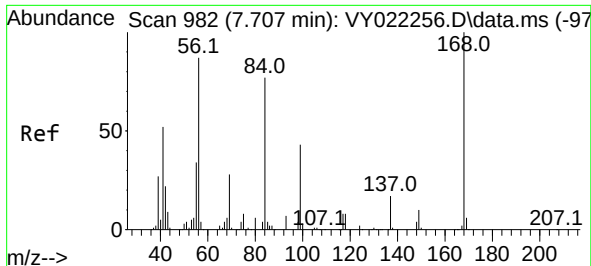
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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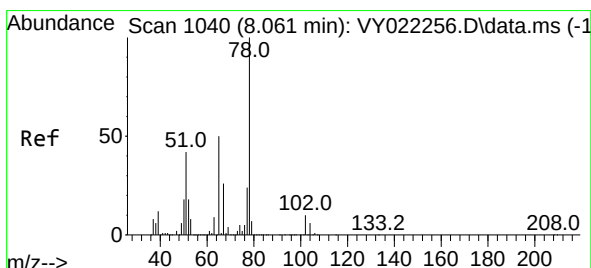
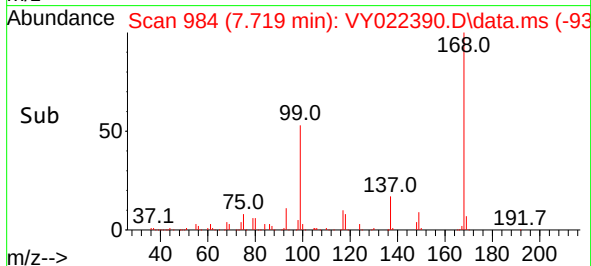
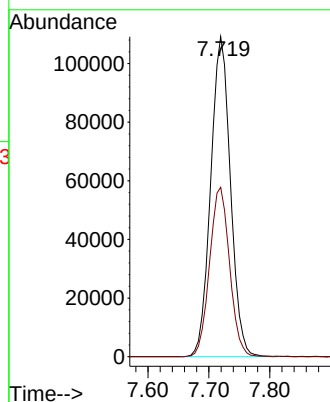
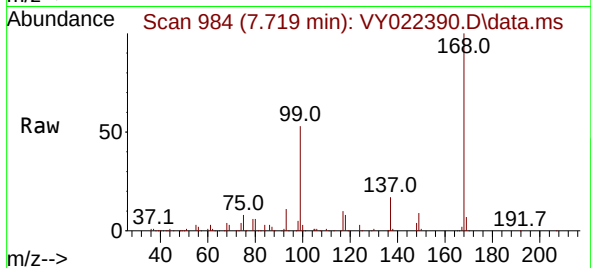




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

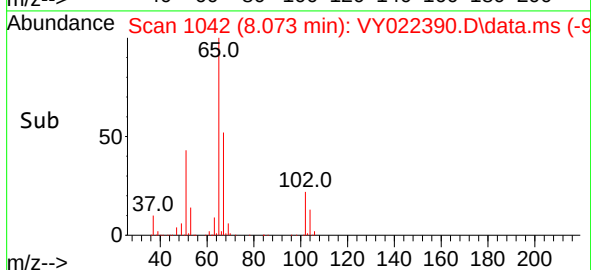
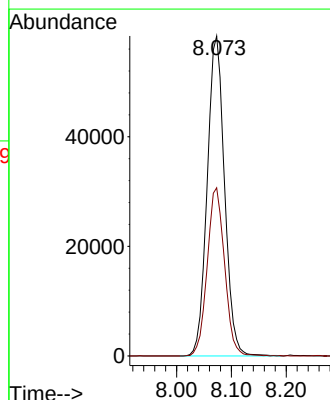
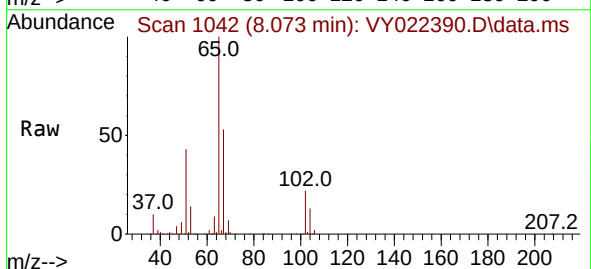
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

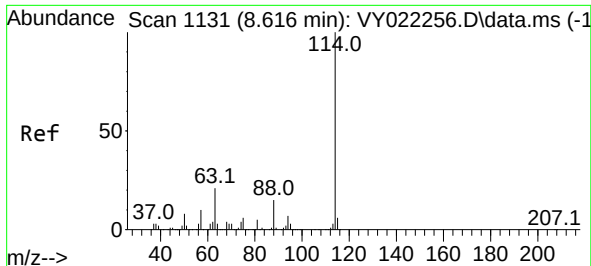
Tgt Ion:168 Resp: 245848
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.577 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

Tgt Ion: 65 Resp: 127834
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

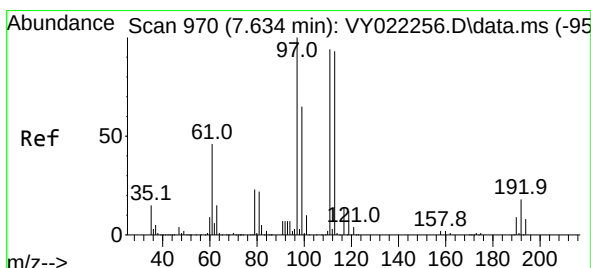
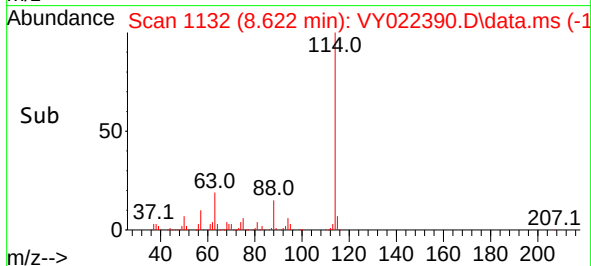
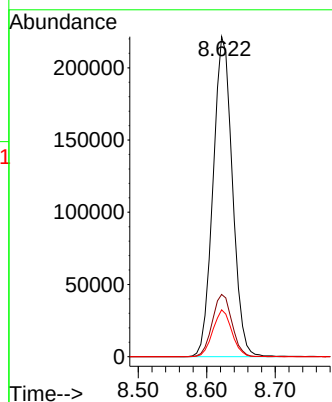
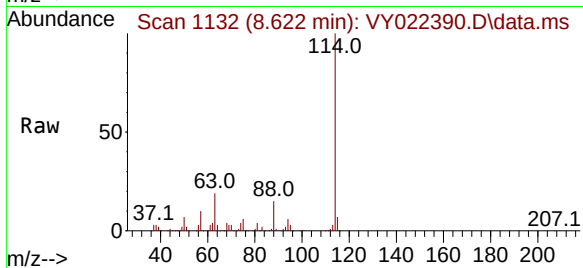
Tgt Ion:114 Resp: 434620

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.055 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

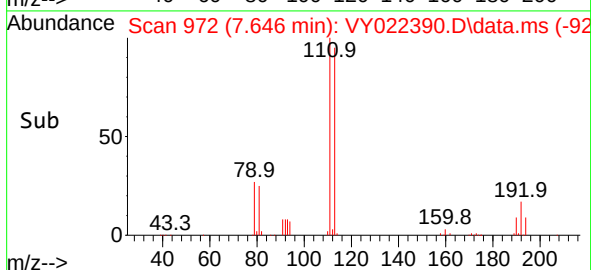
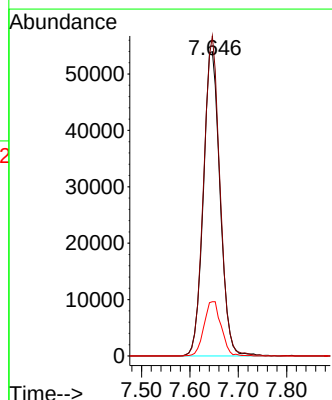
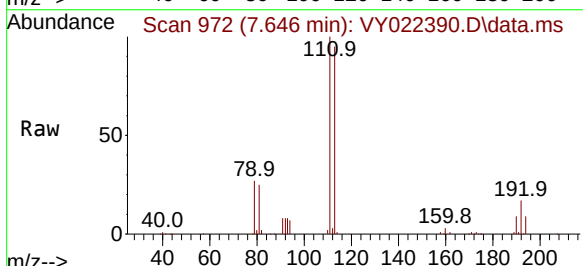
Tgt Ion:113 Resp: 129846

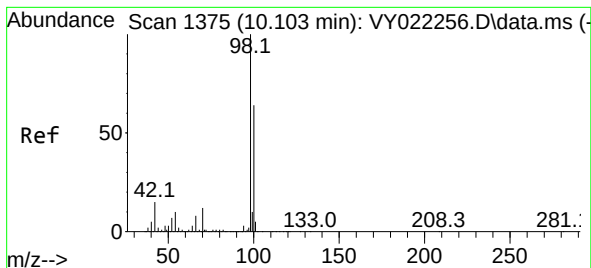
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.3 15.2 22.8





#50

Toluene-d8

Concen: 48.533 ug/l

RT: 10.115 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

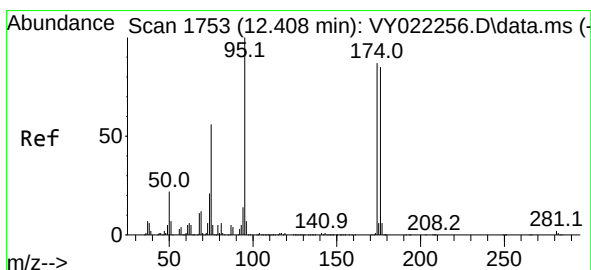
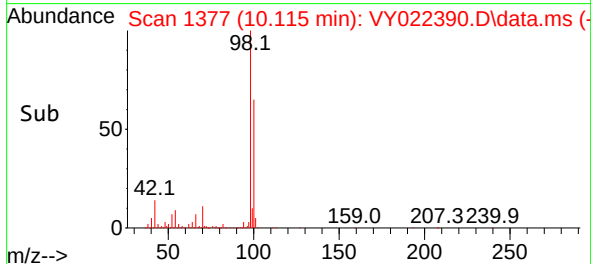
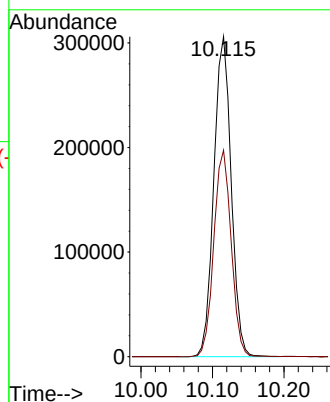
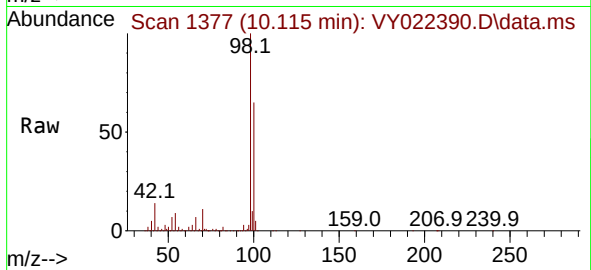
TP-7

Tgt Ion: 98 Resp: 515620

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 39.706 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

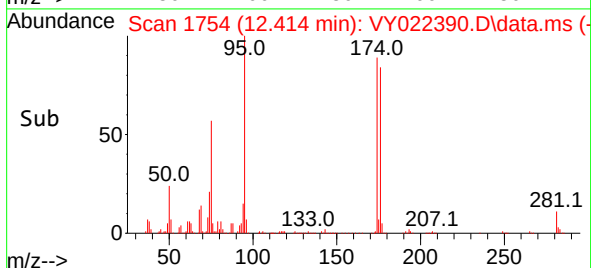
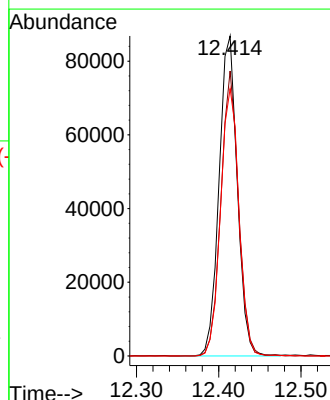
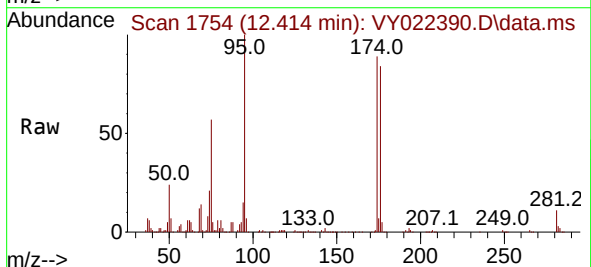
Tgt Ion: 95 Resp: 133711

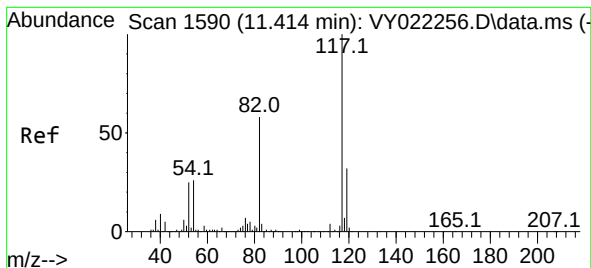
Ion Ratio Lower Upper

95 100

174 86.2 0.0 166.8

176 84.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

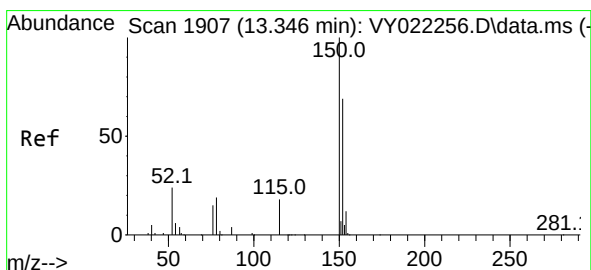
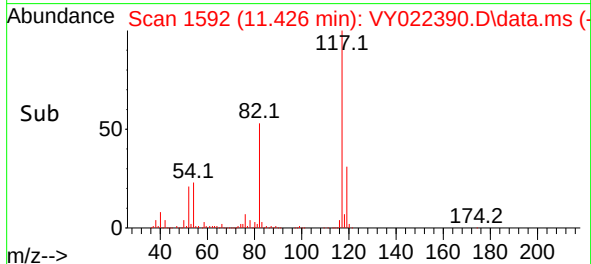
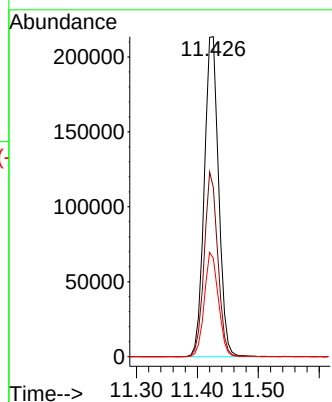
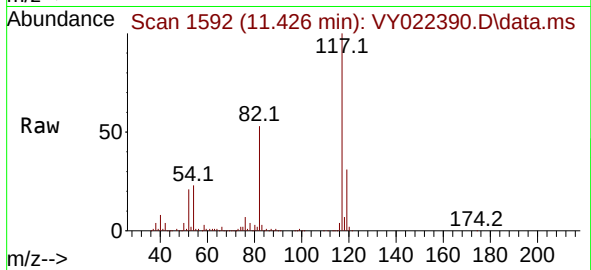
Tgt Ion:117 Resp: 349949

Ion Ratio Lower Upper

117 100

82 53.0 46.6 70.0

119 30.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Tgt Ion:152 Resp: 127586

Ion Ratio Lower Upper

152 100

115 56.8 29.4 88.2

150 159.0 0.0 353.8

