

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022391.D
 Acq On : 22 May 2025 13:22
 Operator : SY/MD
 Sample : Q2074-03
 Misc : 6.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15

Quant Time: May 23 03:37:00 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	7.720	168	266999	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	463257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	360854	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	125655	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	132004	45.237	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.480%
35) Dibromofluoromethane	7.646	113	136878	49.504	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.000%
50) Toluene-d8	10.115	98	545447	48.166	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.414	95	133077	37.075	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.160%

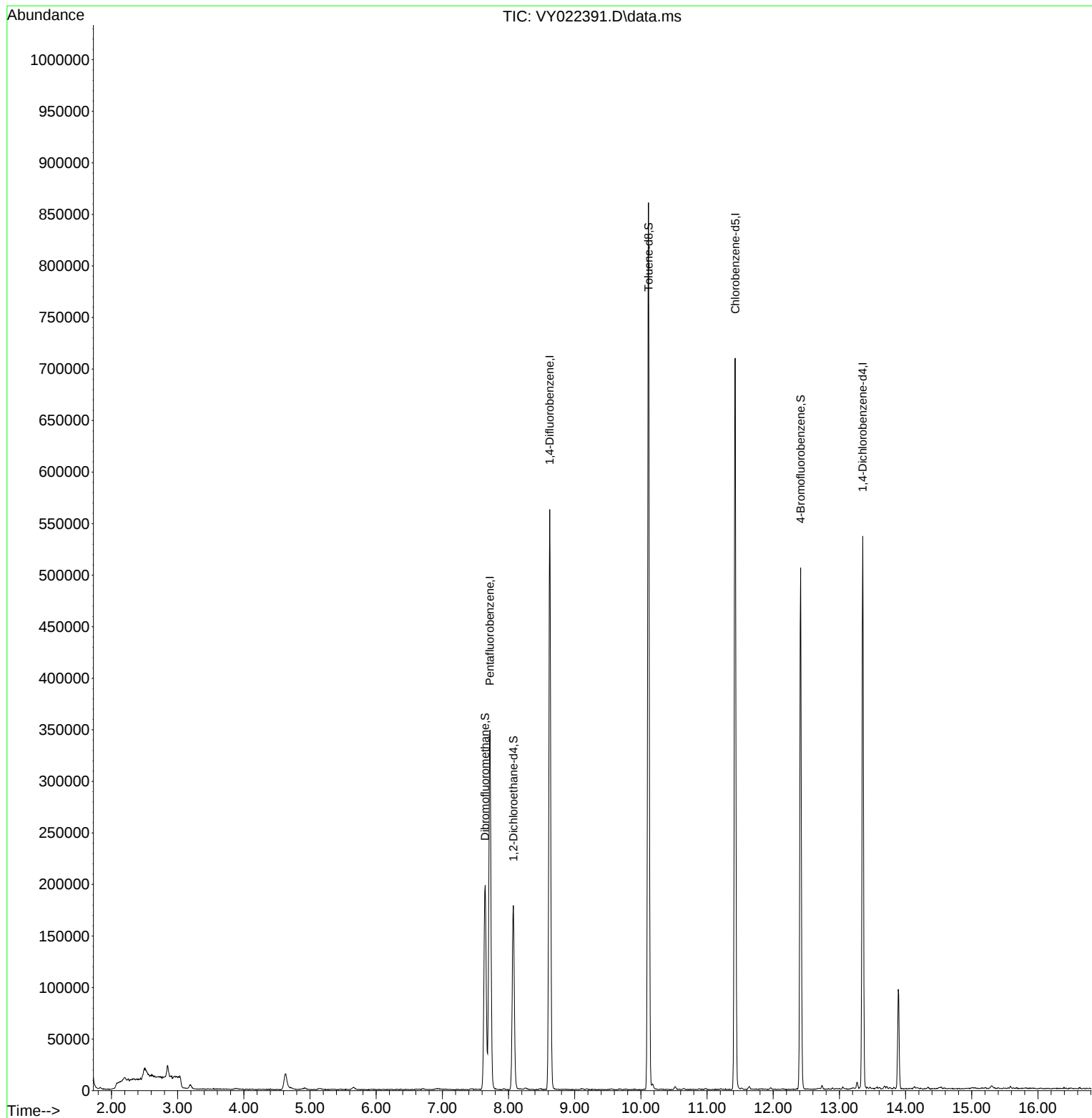
Target Compounds	Qvalue

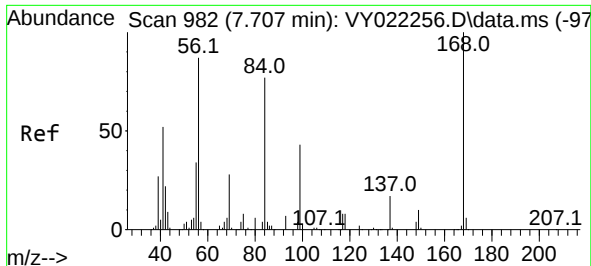
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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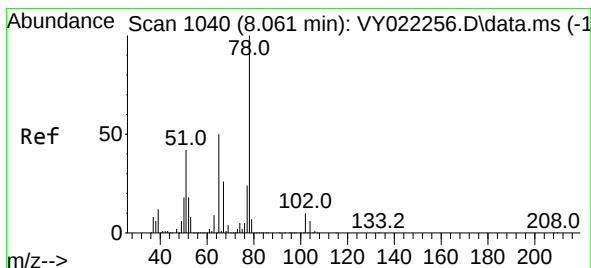
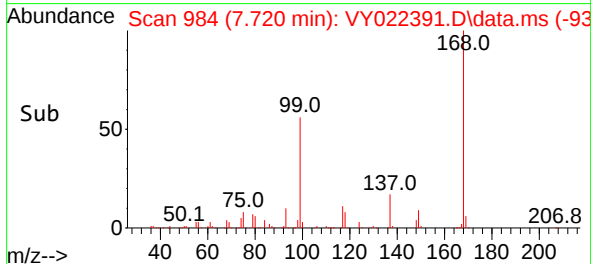
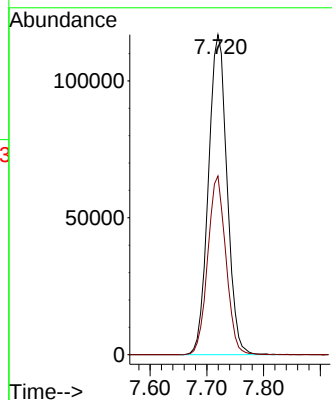
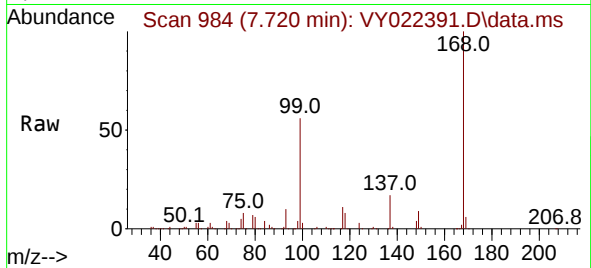




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

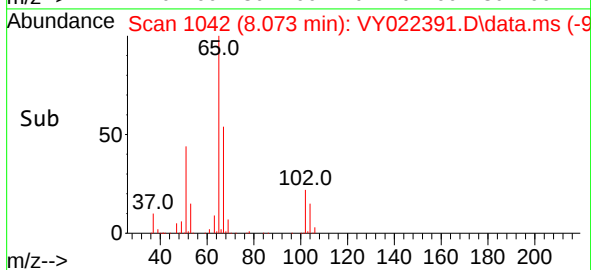
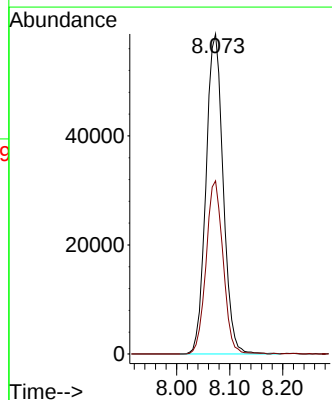
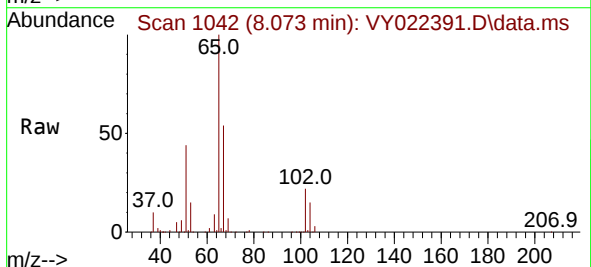
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

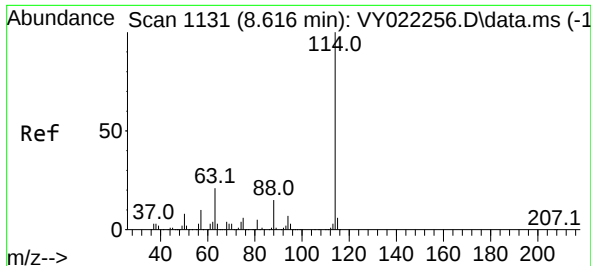
Tgt Ion:168 Resp: 266999
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.237 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

Tgt Ion: 65 Resp: 132004
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

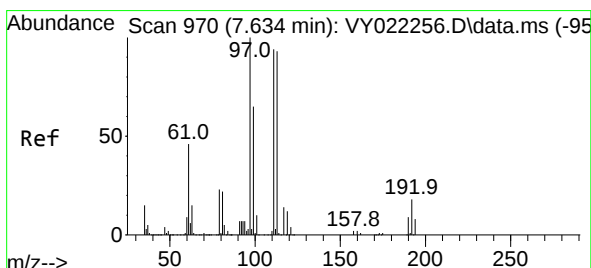
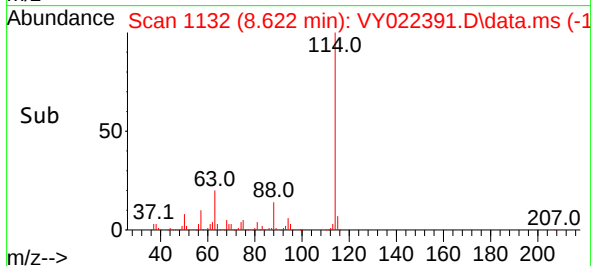
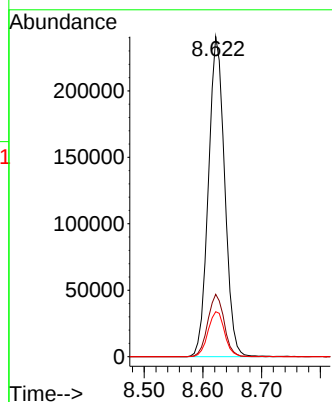
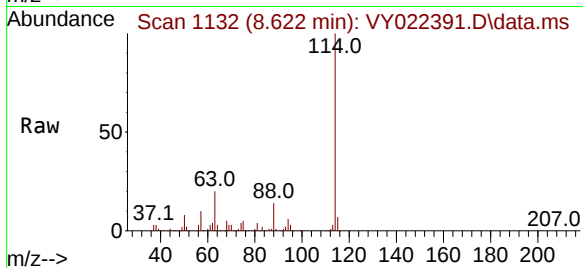
Tgt Ion:114 Resp: 463257

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.0

88 14.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.504 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

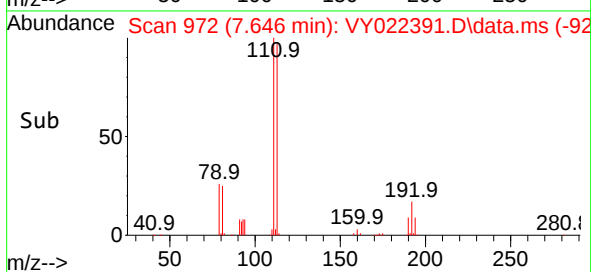
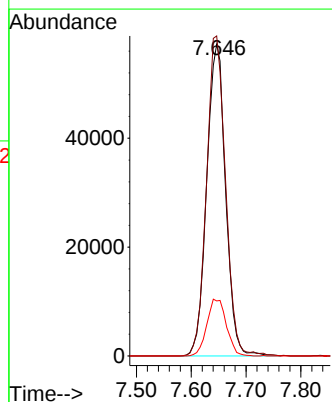
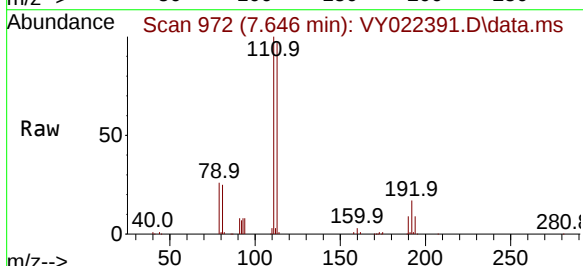
Tgt Ion:113 Resp: 136878

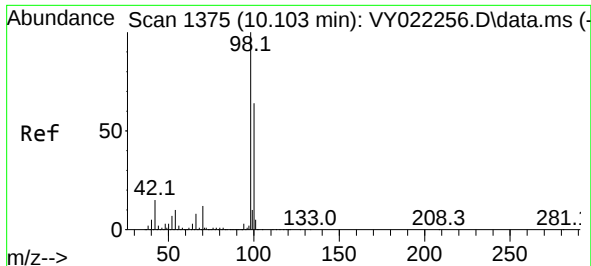
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.8 15.2 22.8

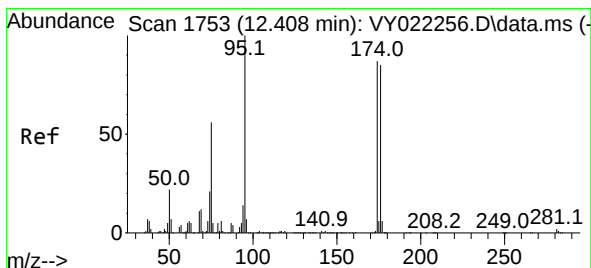
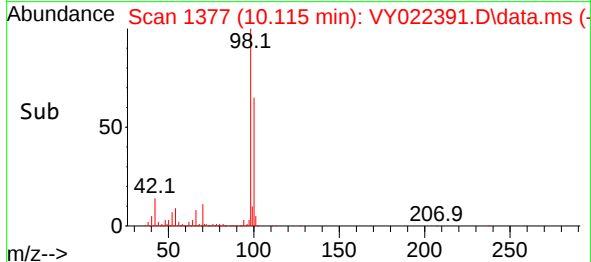
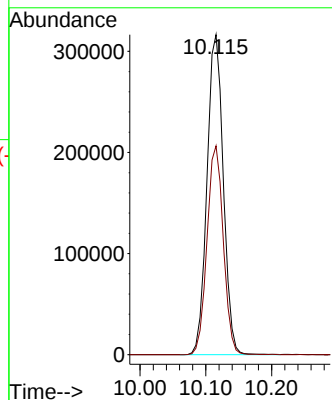
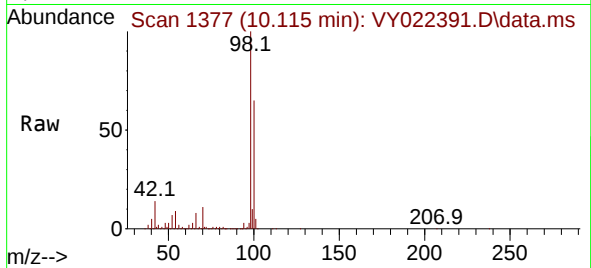




#50
Toluene-d8
Concen: 48.166 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

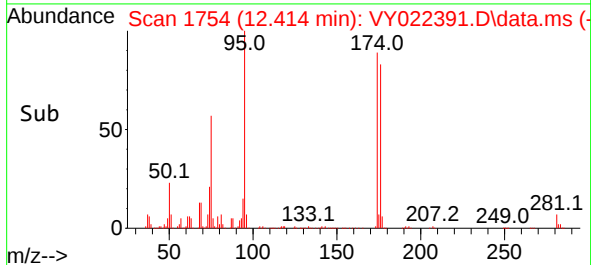
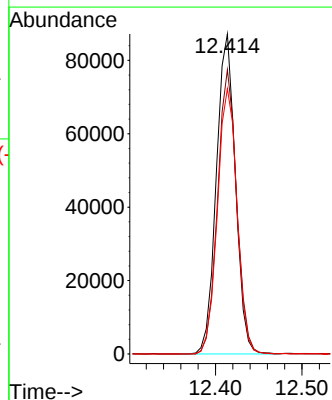
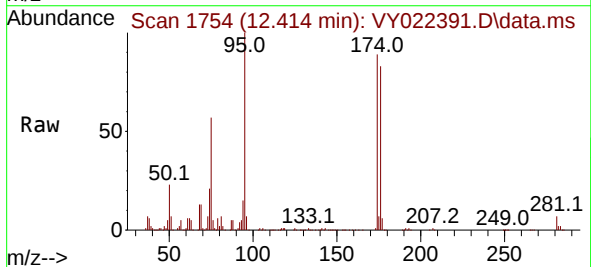
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

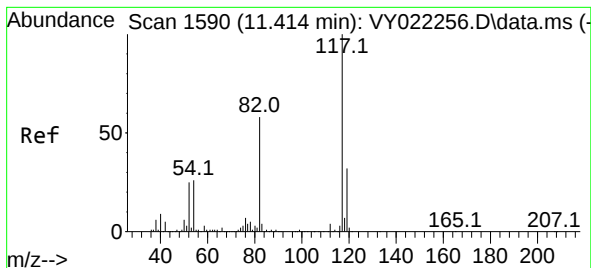
Tgt Ion: 98 Resp: 545447
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.075 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

Tgt Ion: 95 Resp: 133077
Ion Ratio Lower Upper
95 100
174 89.2 0.0 166.8
176 85.3 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: VY022391.D

Acq: 22 May 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

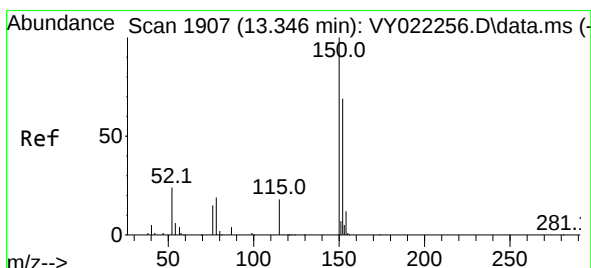
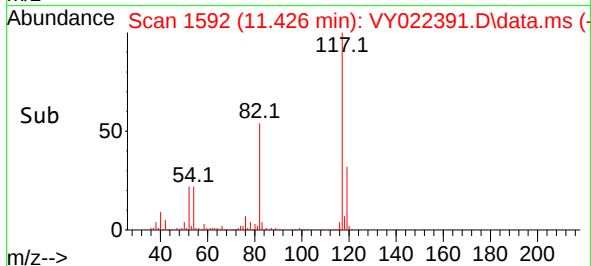
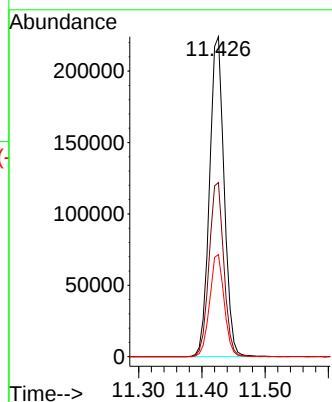
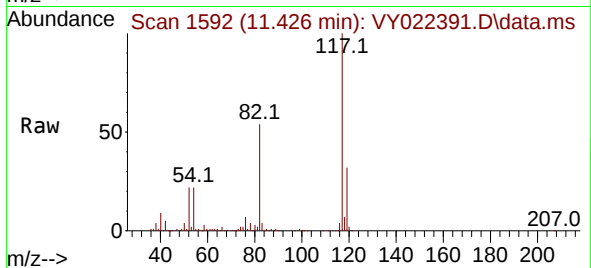
Tgt Ion:117 Resp: 360854

Ion Ratio Lower Upper

117 100

82 54.4 46.6 70.0

119 31.9 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: VY022391.D

Acq: 22 May 2025 13:22

Tgt Ion:152 Resp: 125655

Ion Ratio Lower Upper

152 100

115 57.2 29.4 88.2

150 158.0 0.0 353.8

