

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022657.D
 Acq On : 11 Jun 2025 12:24
 Operator : SY/MD
 Sample : Q2259-01
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-36-060525

Quant Time: Jun 12 05:05:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.689	168	166804	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.603	114	220732	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	214709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66012	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	51105	27.393	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.780%
35) Dibromofluoromethane	7.622	113	41279	31.331	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.660%
50) Toluene-d8	10.103	98	261007	49.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.414	95	72925	45.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.960%

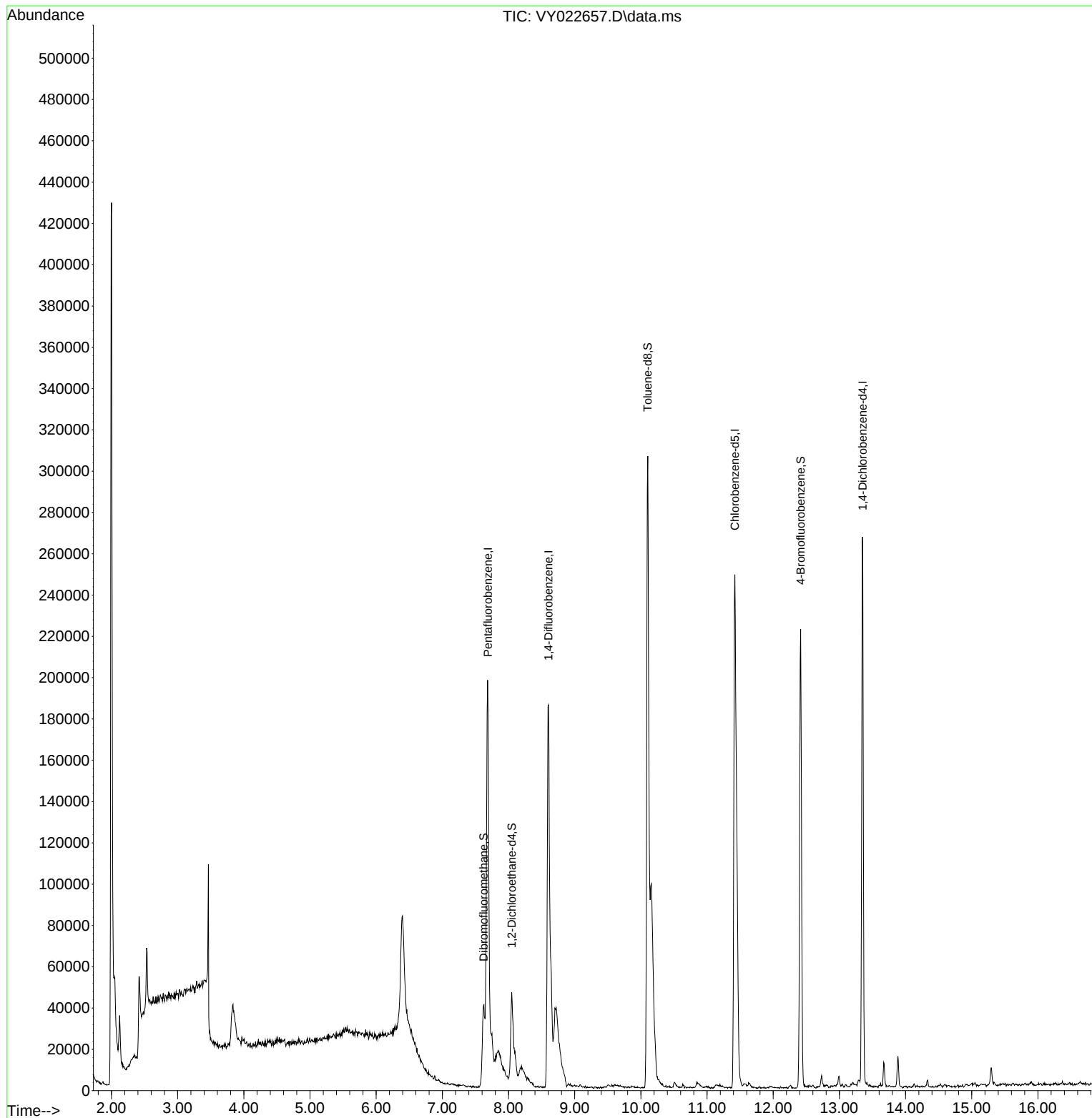
Target Compounds	Qvalue

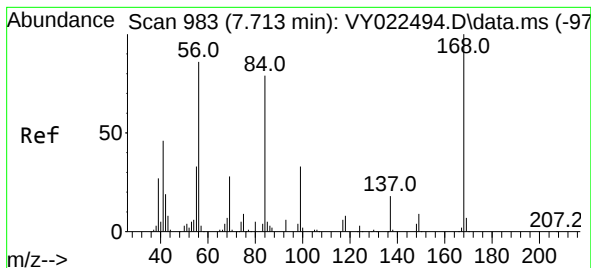
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.689 min Scan# 91

Delta R.T. -0.024 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

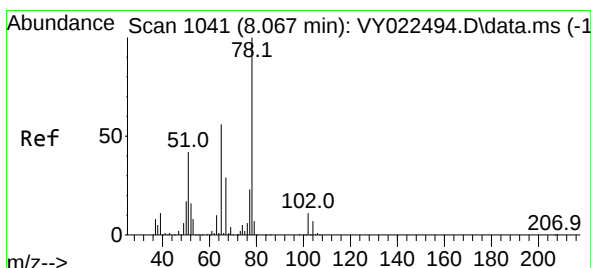
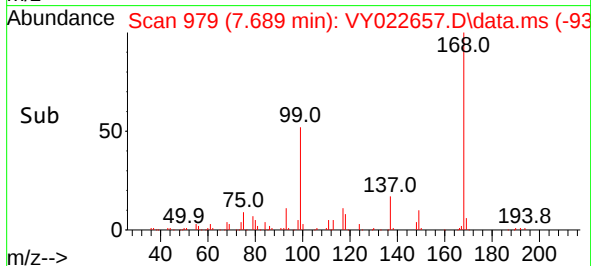
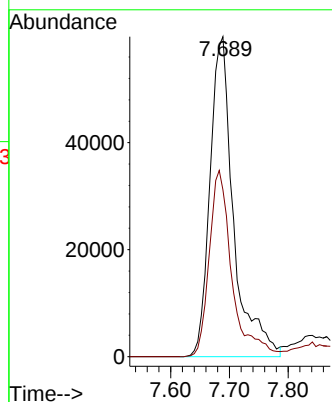
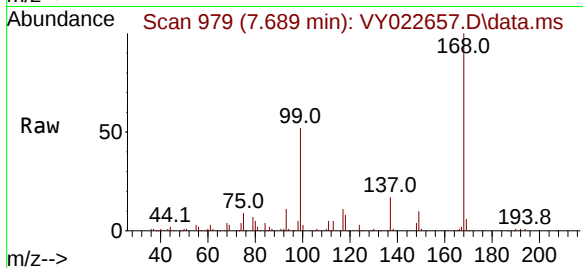
OU4-PCS-TC-36-060525

Tgt Ion:168 Resp: 166804

Ion Ratio Lower Upper

168 100

99 52.1 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 27.393 ug/l

RT: 8.049 min Scan# 1038

Delta R.T. -0.019 min

Lab File: VY022657.D

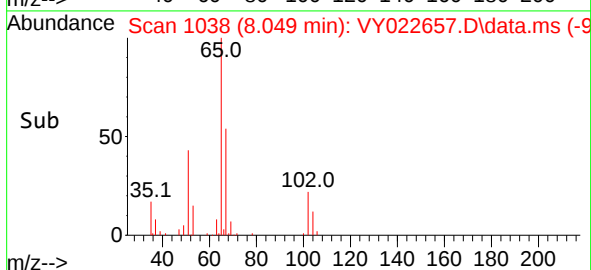
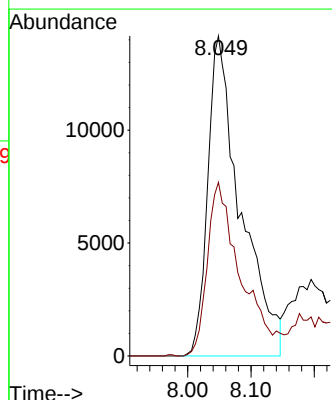
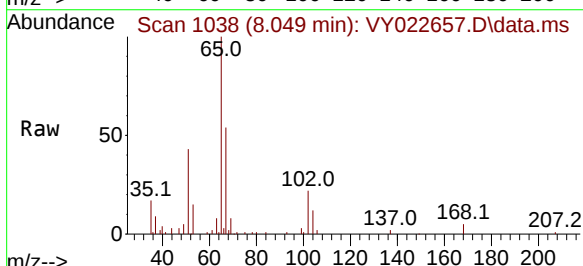
Acq: 11 Jun 2025 12:24

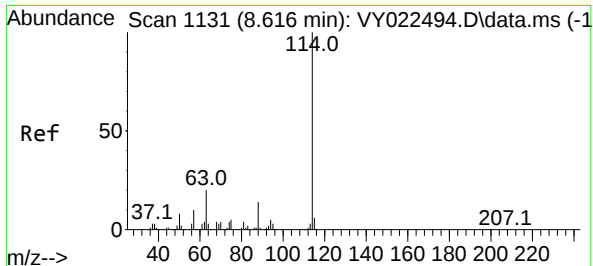
Tgt Ion: 65 Resp: 51105

Ion Ratio Lower Upper

65 100

67 56.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525

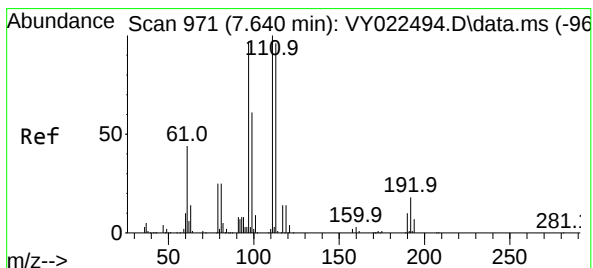
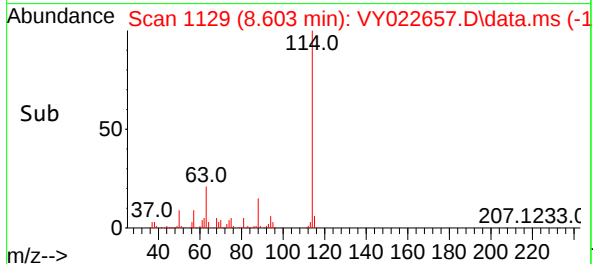
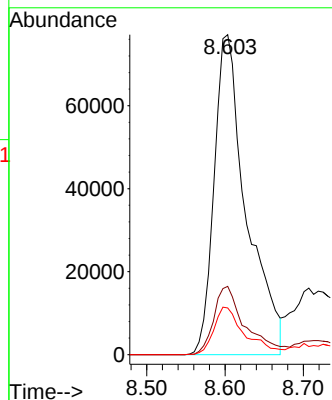
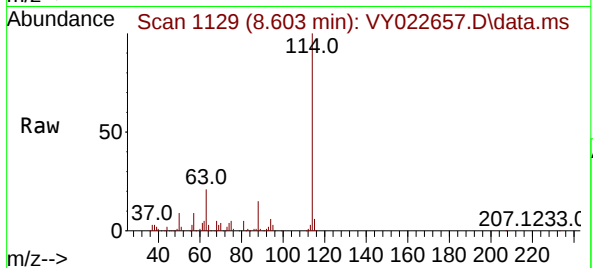
Tgt Ion:114 Resp: 220732

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 31.331 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.019 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

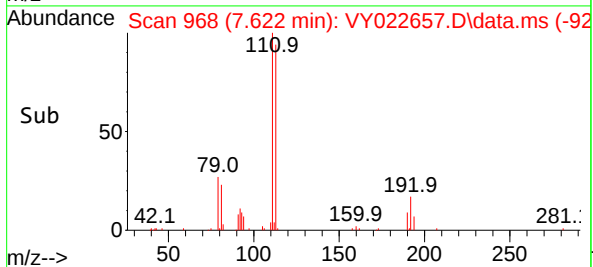
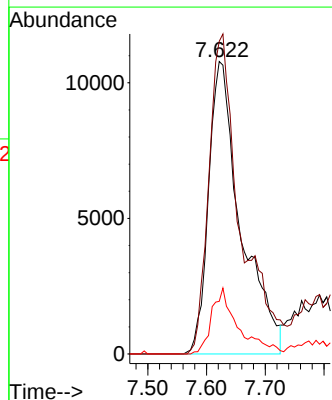
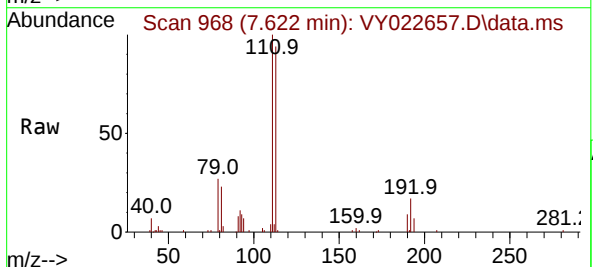
Tgt Ion:113 Resp: 41279

Ion Ratio Lower Upper

113 100

111 87.5 81.1 121.7

192 15.3 14.2 21.2

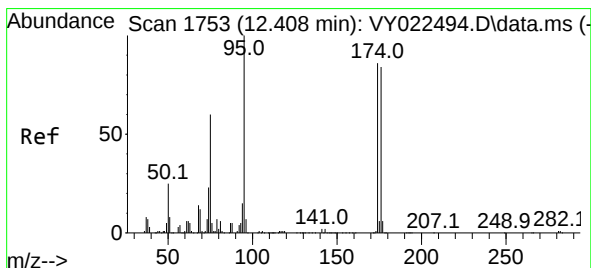
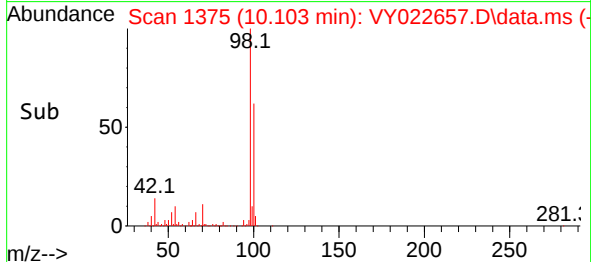
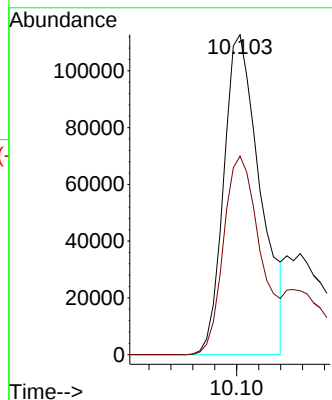
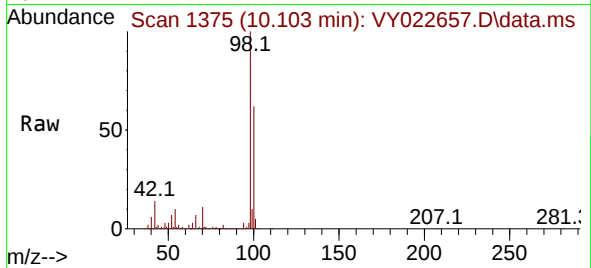




#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

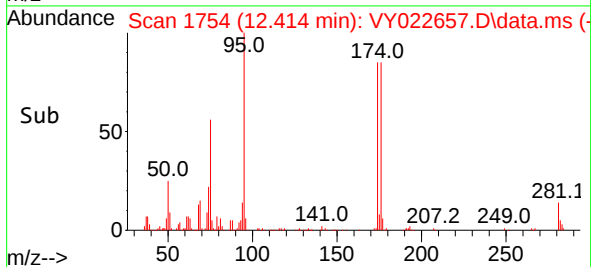
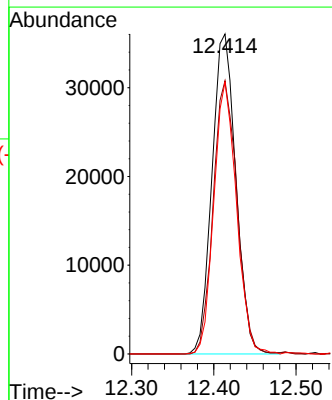
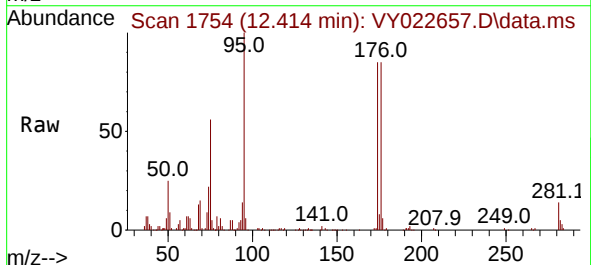
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

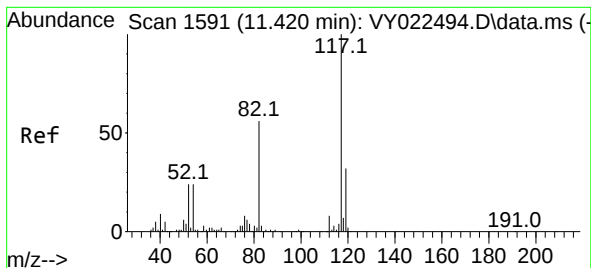
Tgt Ion: 98 Resp: 261007
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 95 Resp: 72925
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 80.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525

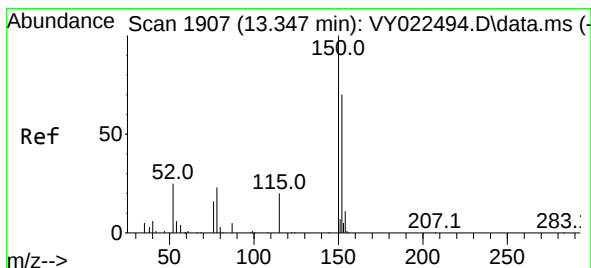
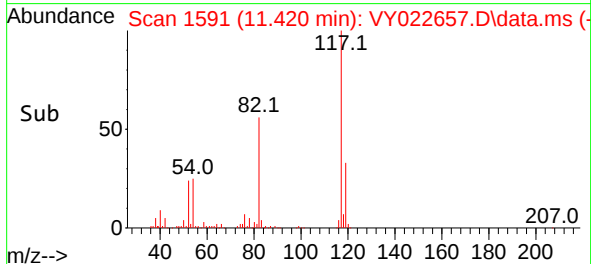
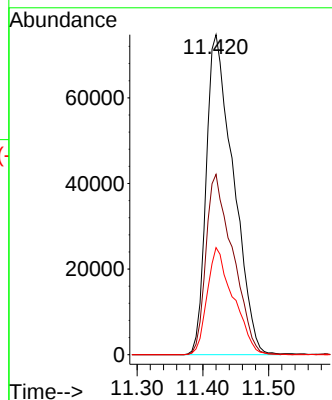
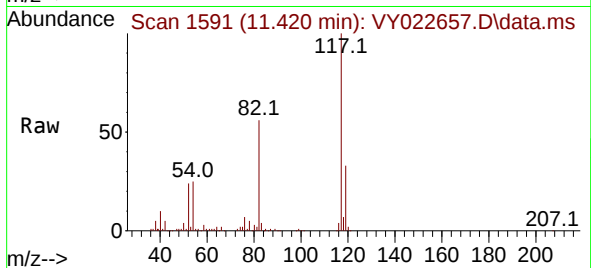
Tgt Ion:117 Resp: 214709

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 33.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

Tgt Ion:152 Resp: 66012

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 162.5 0.0 349.6

