

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022381.D
 Acq On : 22 May 2025 09:07
 Operator : SY/MD
 Sample : VY0522SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBL01

Quant Time: May 23 03:31:42 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	263712	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	465826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	137350	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	140906	48.890	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.780%
35) Dibromofluoromethane	7.646	113	138461	49.800	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.115	98	554254	48.674	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.408	95	142658	39.525	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.060%

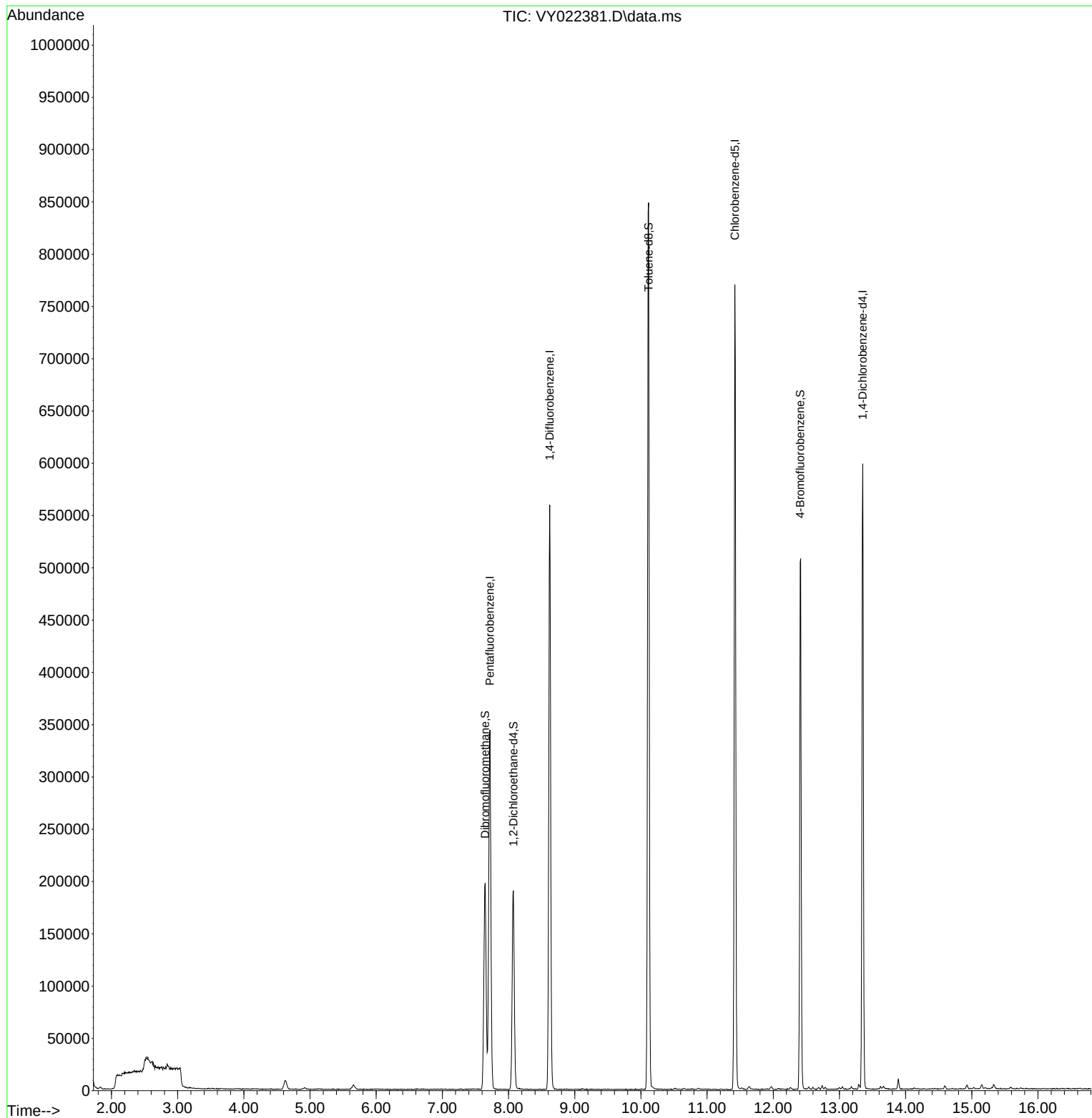
Target Compounds	Qvalue

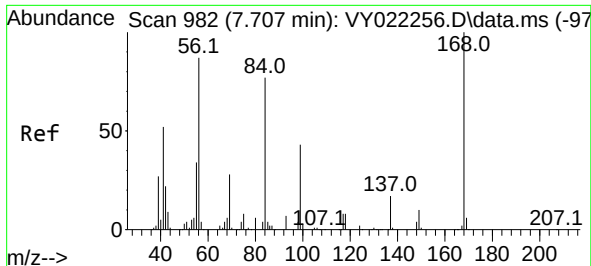
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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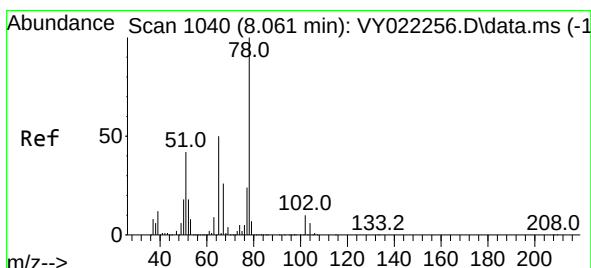
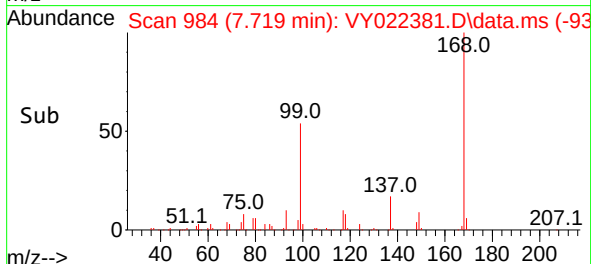
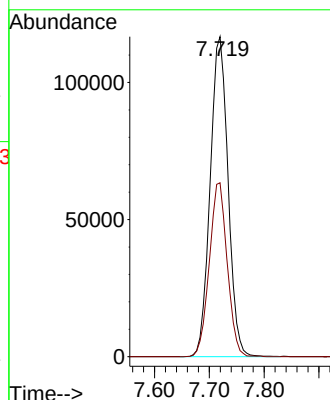
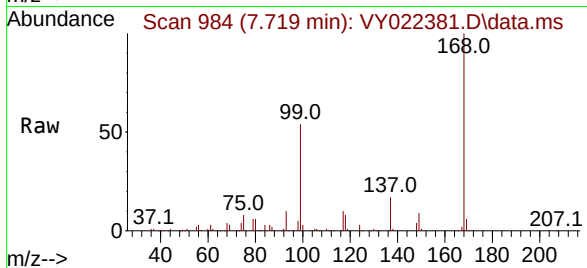




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

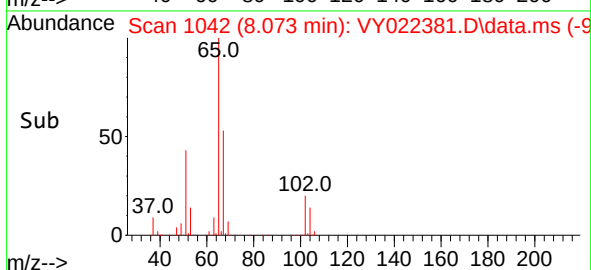
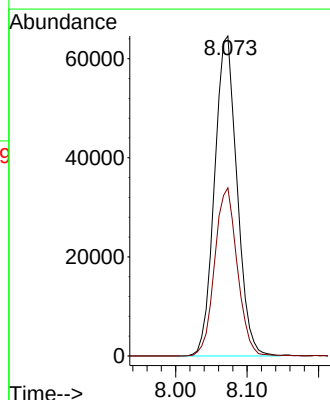
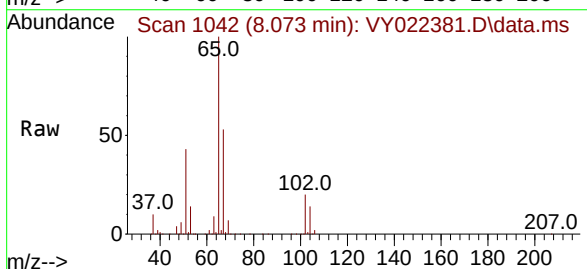
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

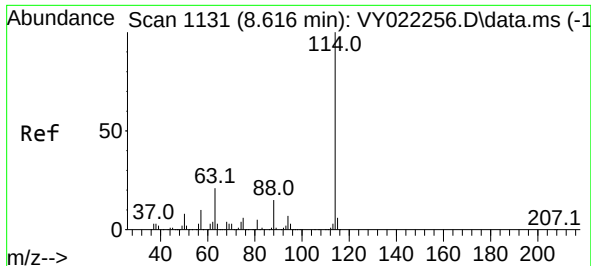
Tgt Ion:168 Resp: 263712
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.890 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion: 65 Resp: 140906
Ion Ratio Lower Upper
65 100
67 53.0 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: VY022381.D

Acq: 22 May 2025 09:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBL01

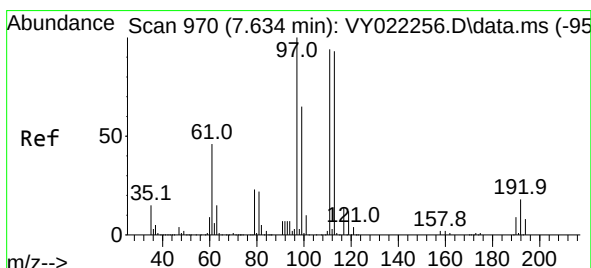
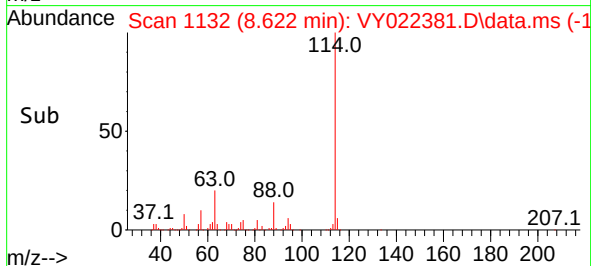
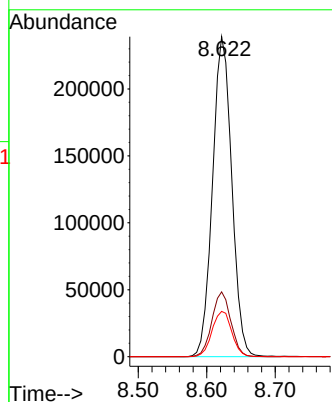
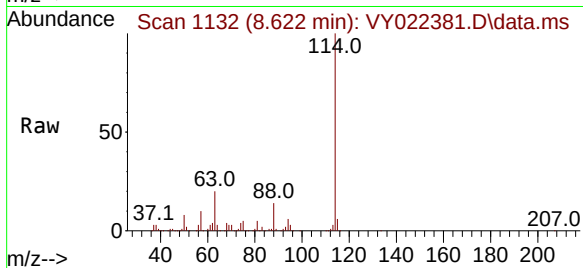
Tgt Ion:114 Resp: 465826

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.800 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

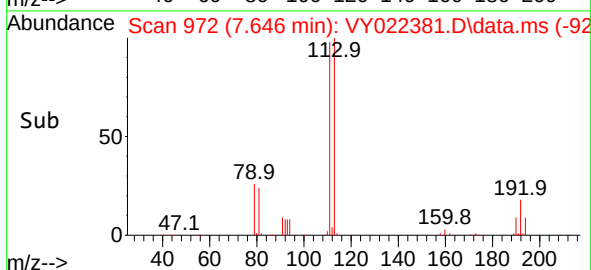
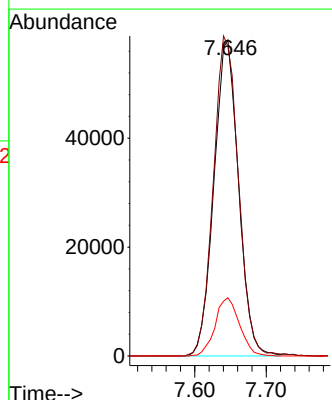
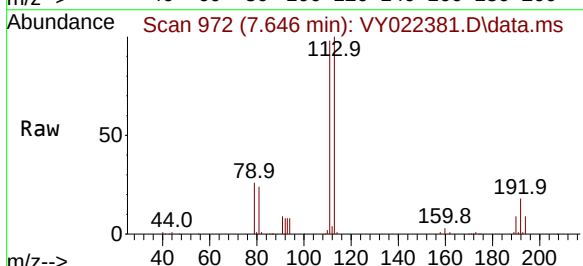
Tgt Ion:113 Resp: 138461

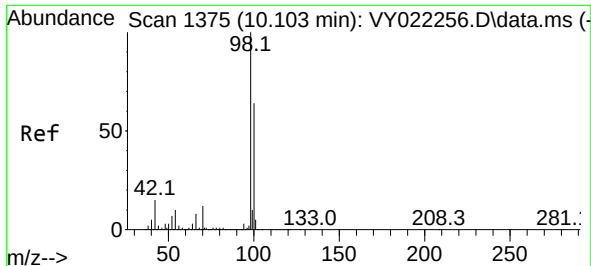
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 18.2 15.2 22.8

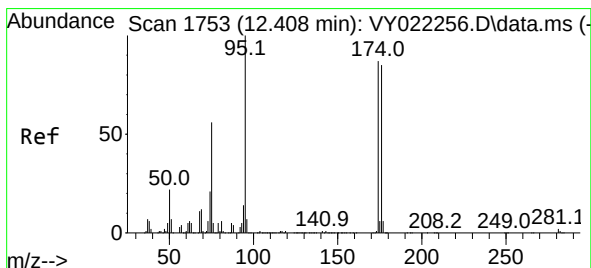
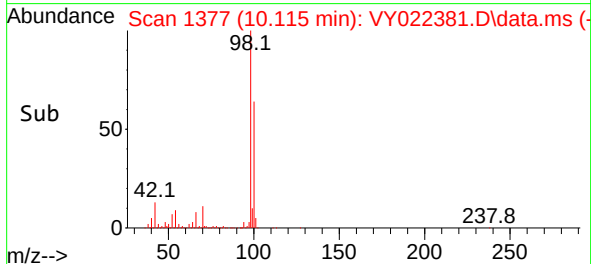
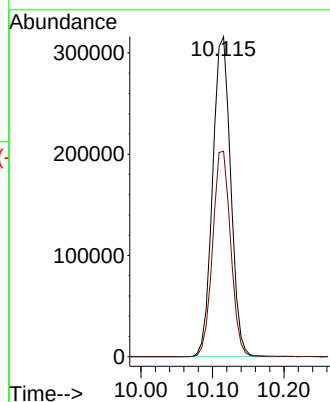
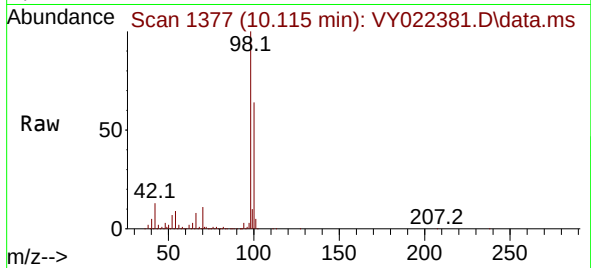




#50
Toluene-d8
Concen: 48.674 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

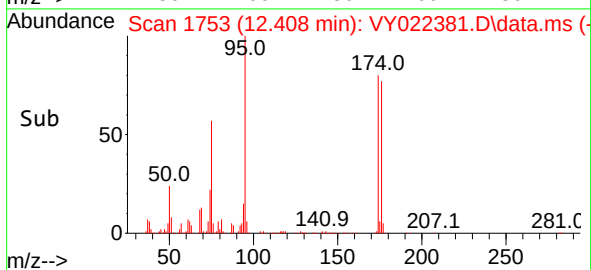
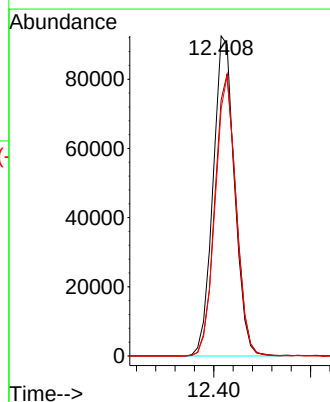
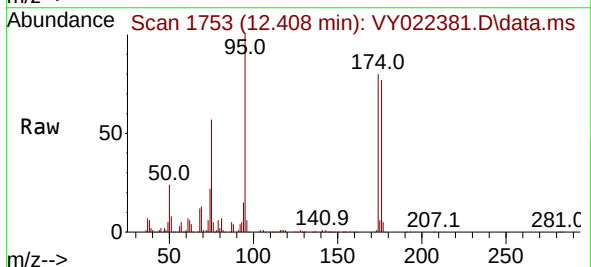
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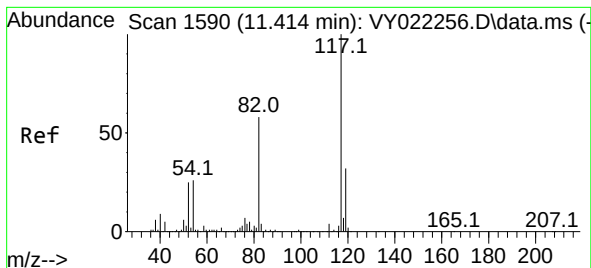
Tgt Ion: 98 Resp: 554254
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.525 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion: 95 Resp: 142658
Ion Ratio Lower Upper
95 100
174 86.8 0.0 166.8
176 85.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBL01

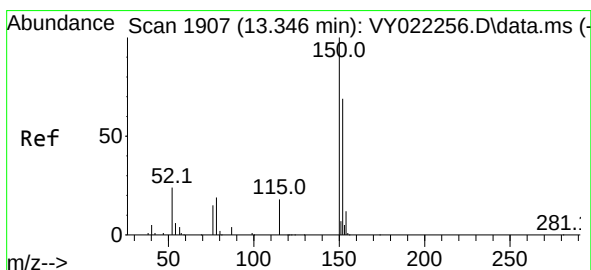
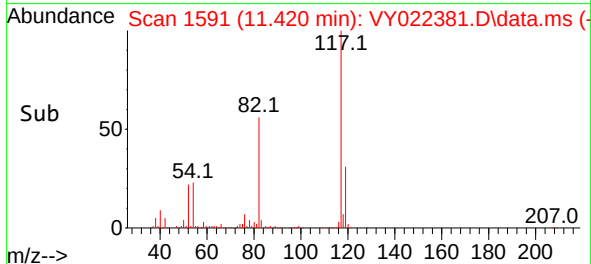
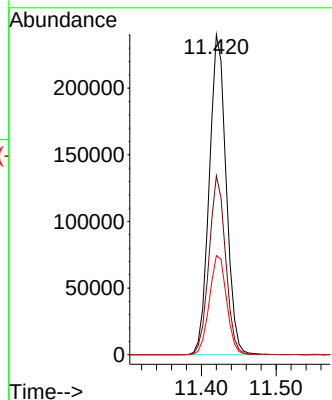
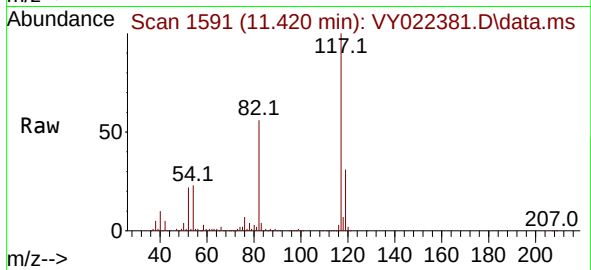
Tgt Ion:117 Resp: 376365

Ion Ratio Lower Upper

117 100

82 55.9 46.6 70.0

119 31.0 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: VY022381.D

Acq: 22 May 2025 09:07

Tgt Ion:152 Resp: 137350

Ion Ratio Lower Upper

152 100

115 56.5 29.4 88.2

150 157.1 0.0 353.8

