

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022384.D
 Acq On : 22 May 2025 10:38
 Operator : SY/MD
 Sample : Q2087-03RE
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-05202025RE

Quant Time: May 23 03:33:50 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	7.713	168	32360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	45412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	27449	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	7819	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	11107	31.405	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	62.820%
35) Dibromofluoromethane	7.640	113	10942	40.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.740%
50) Toluene-d8	10.115	98	49381	44.484	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.960%
62) 4-Bromofluorobenzene	12.414	95	9237	26.252	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	52.500%

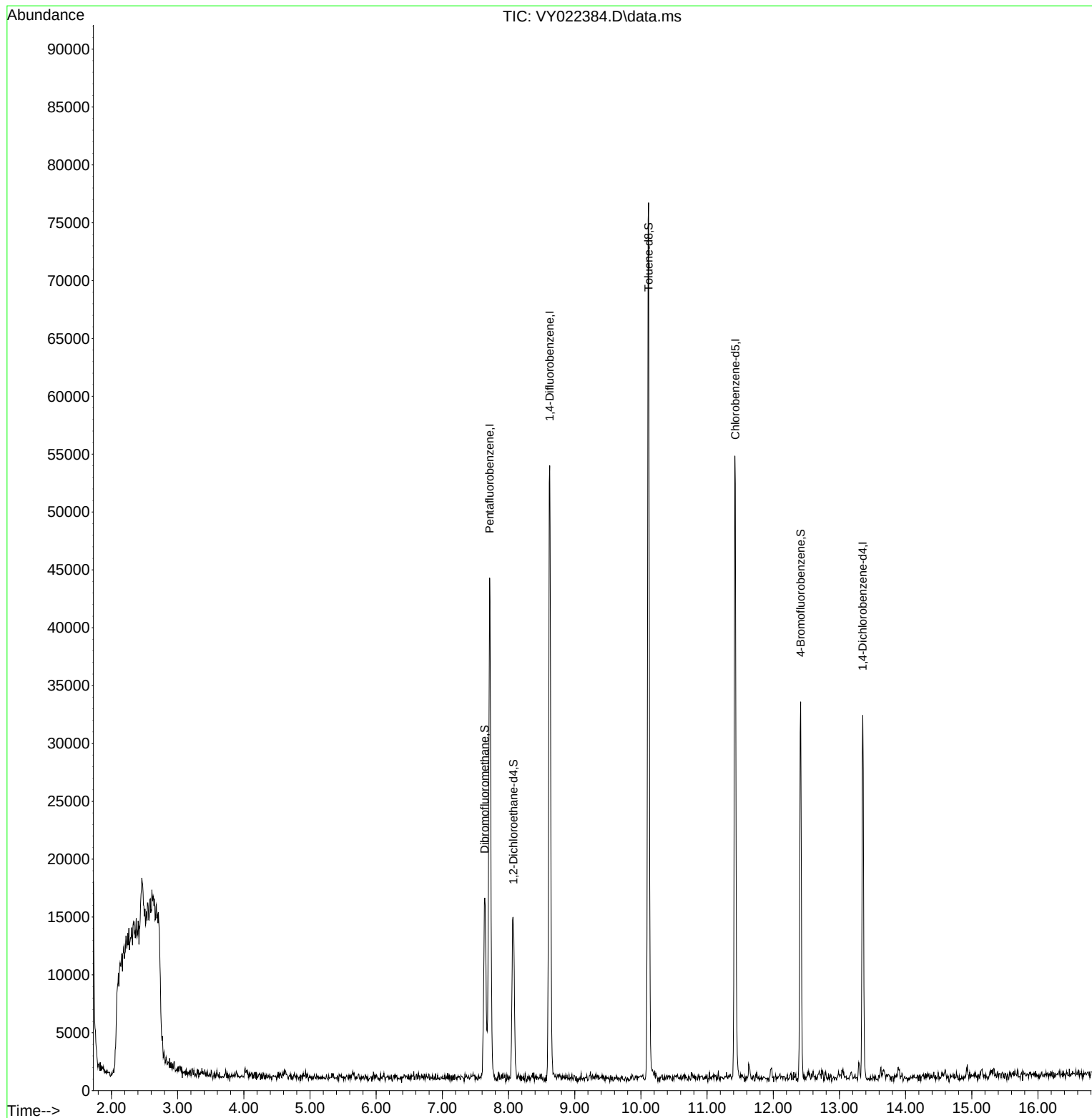
Target Compounds	Qvalue

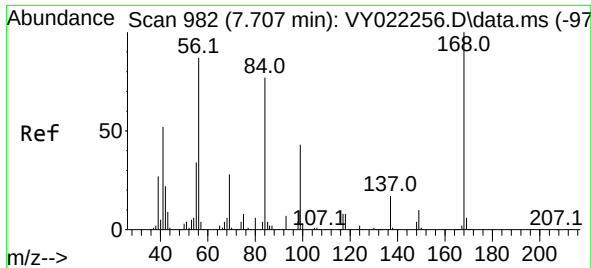
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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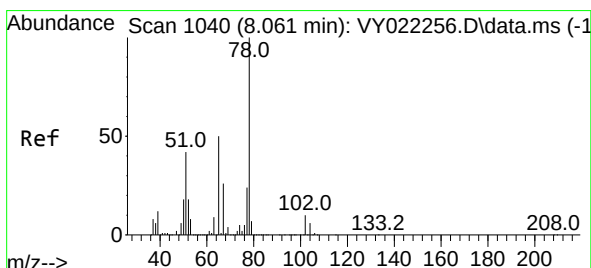
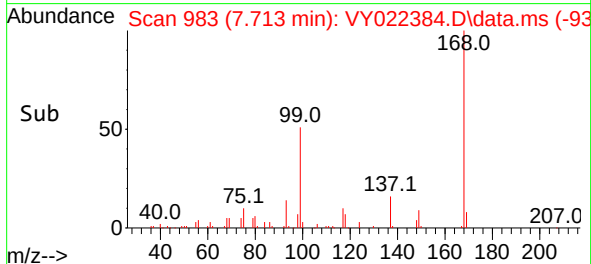
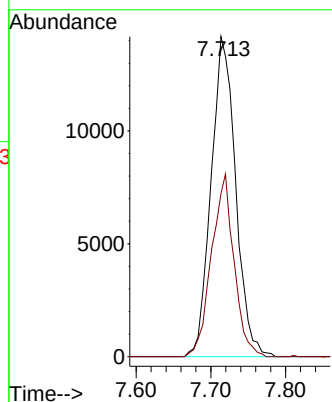
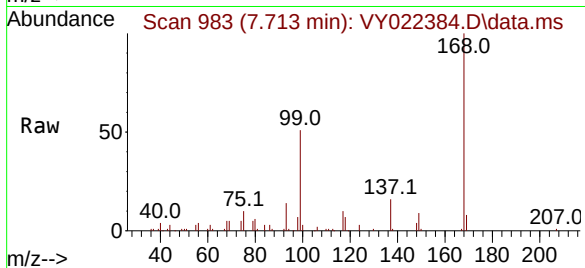




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

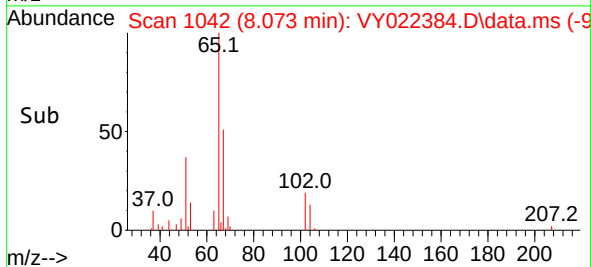
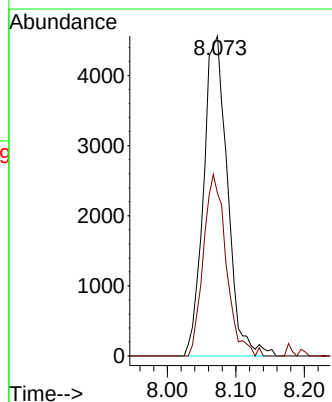
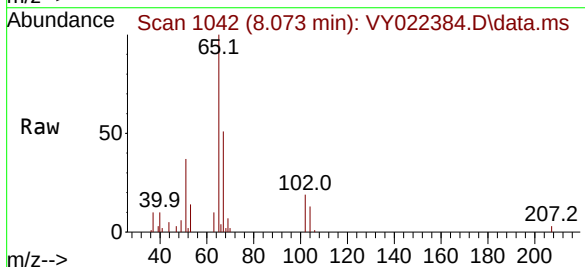
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

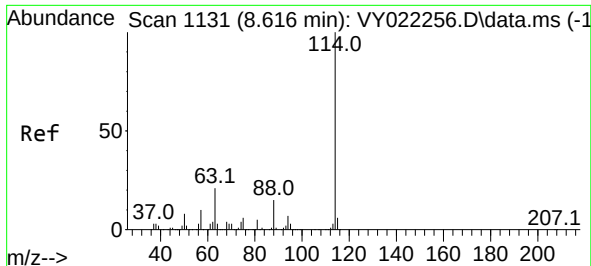
Tgt Ion:168 Resp: 32360
Ion Ratio Lower Upper
168 100
99 51.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 31.405 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 65 Resp: 11107
Ion Ratio Lower Upper
65 100
67 54.0 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: VY022384.D

Acq: 22 May 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-05202025RE

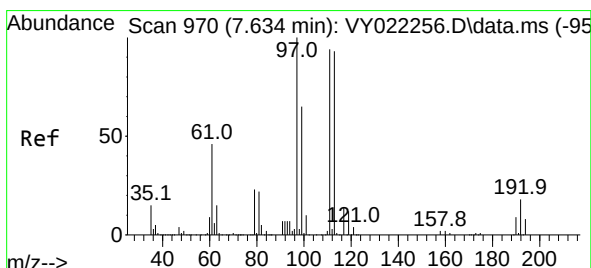
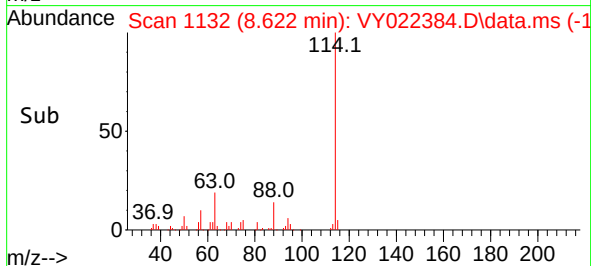
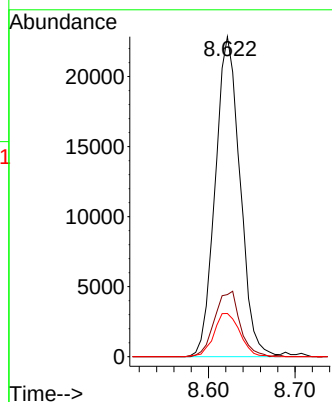
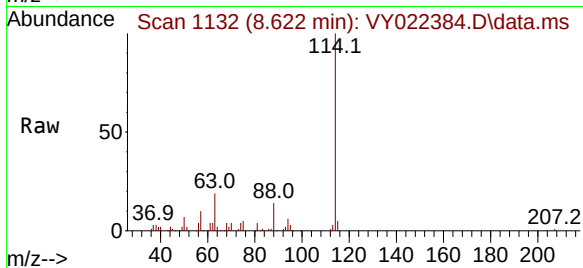
Tgt Ion:114 Resp: 45412

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 13.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 40.370 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022384.D

Acq: 22 May 2025 10:38

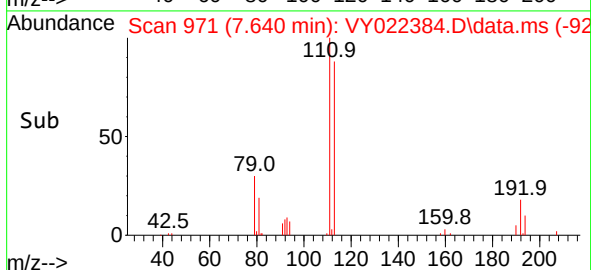
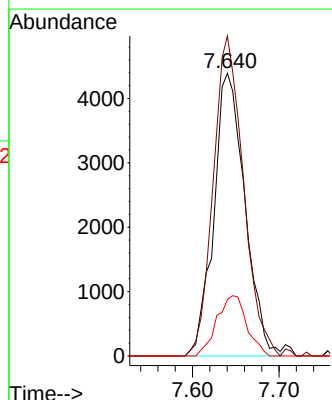
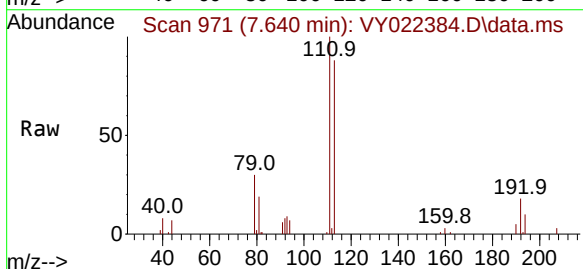
Tgt Ion:113 Resp: 10942

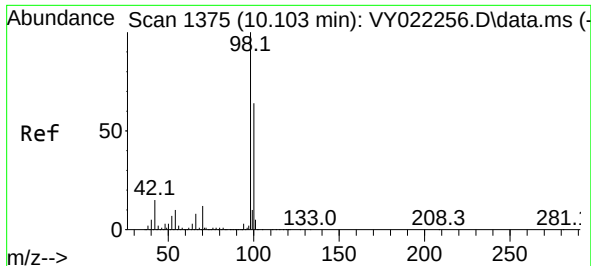
Ion Ratio Lower Upper

113 100

111 109.7 82.6 123.8

192 20.6 15.2 22.8

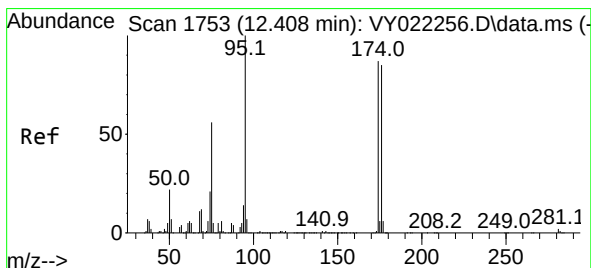
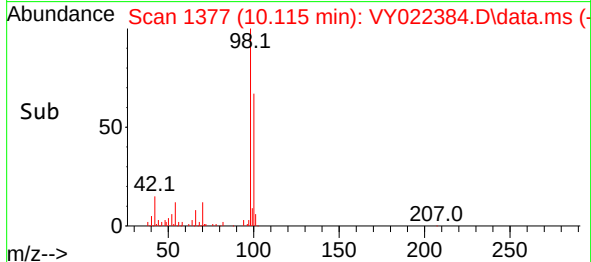
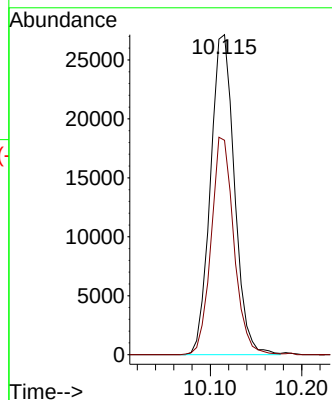
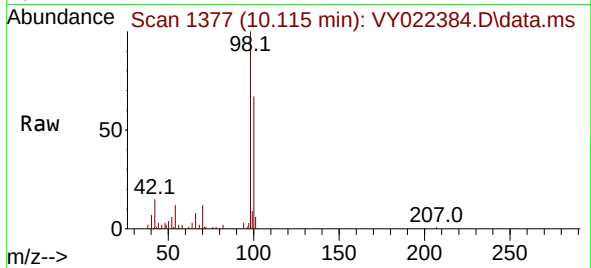




#50
Toluene-d8
Concen: 44.484 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

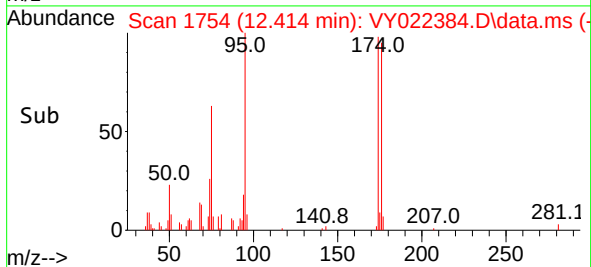
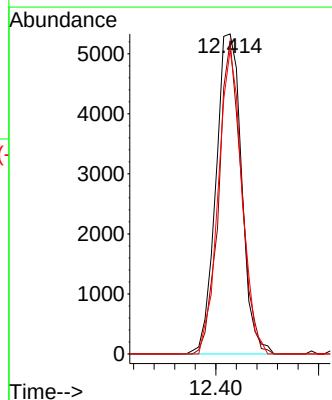
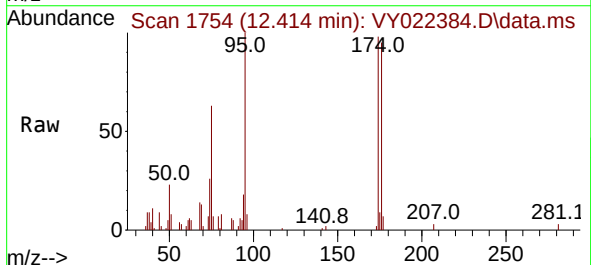
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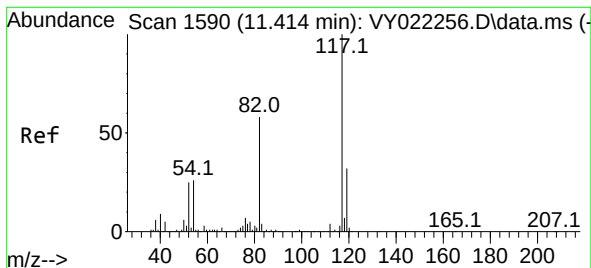
Tgt Ion: 98 Resp: 49381
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 26.252 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 95 Resp: 9237
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 87.3 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: VY022384.D

Acq: 22 May 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-05202025RE

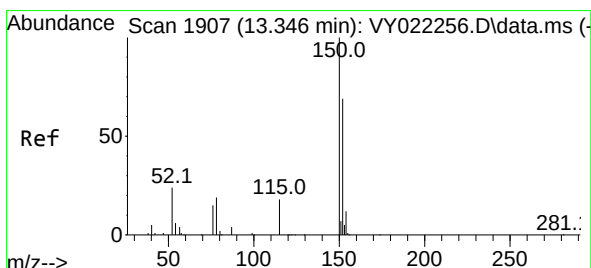
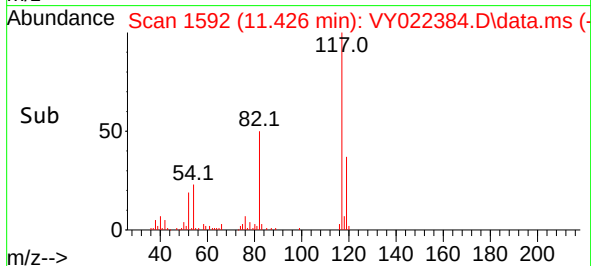
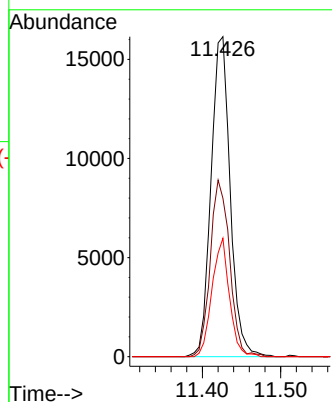
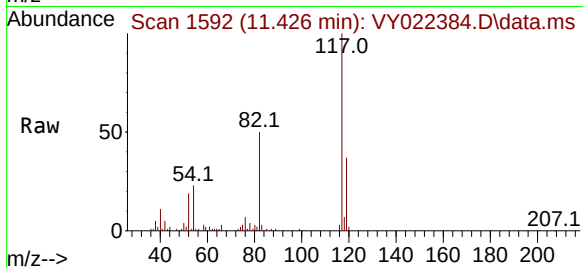
Tgt Ion:117 Resp: 27449

Ion Ratio Lower Upper

117 100

82 49.5 46.6 70.0

119 37.0 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: VY022384.D

Acq: 22 May 2025 10:38

Tgt Ion:152 Resp: 7819

Ion Ratio Lower Upper

152 100

115 55.0 29.4 88.2

150 150.0 0.0 353.8

