

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022230.D
 Acq On : 12 May 2025 17:19
 Operator : SY/MD
 Sample : Q1987-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GC1

Quant Time: May 13 02:24:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	139918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	235241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98718	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84641	65.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.980%
35) Dibromofluoromethane	7.634	113	100873	58.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.600%
50) Toluene-d8	10.103	98	339991	52.119	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.240%
62) 4-Bromofluorobenzene	12.408	95	92585	42.160	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.320%

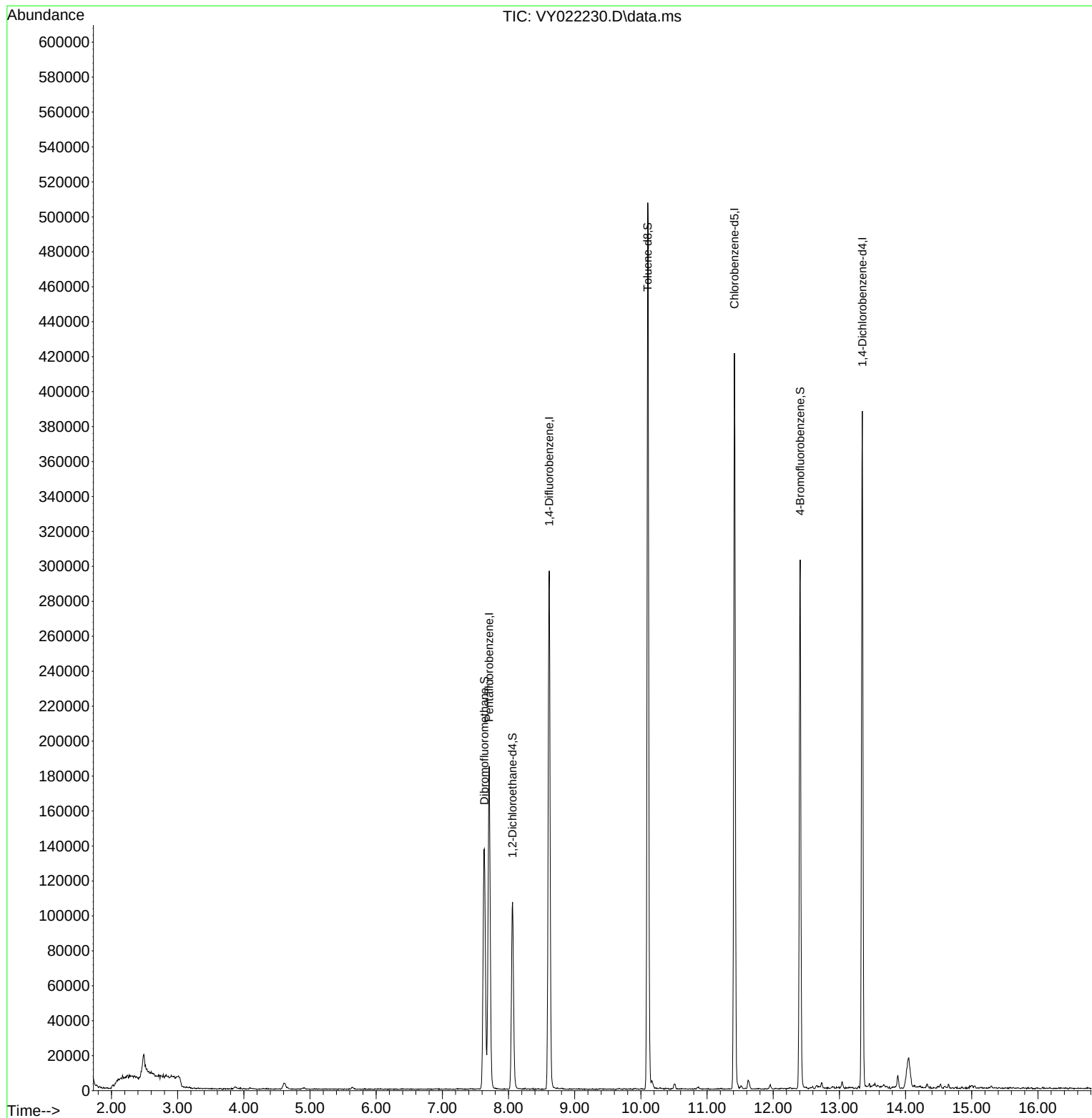
Target Compounds	Qvalue

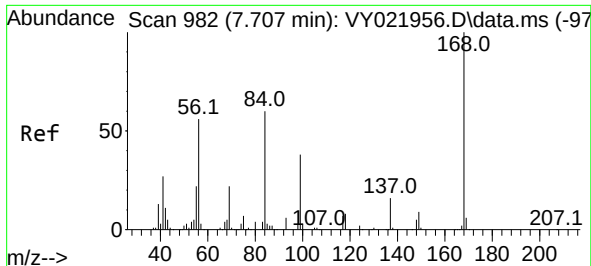
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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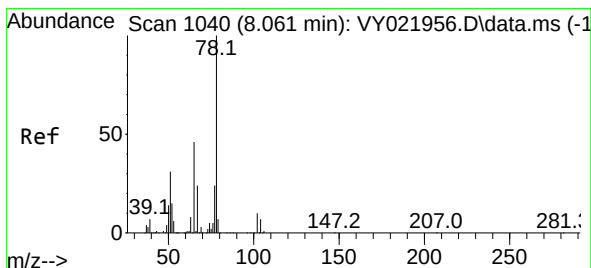
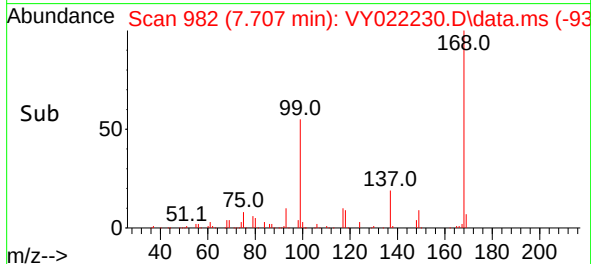
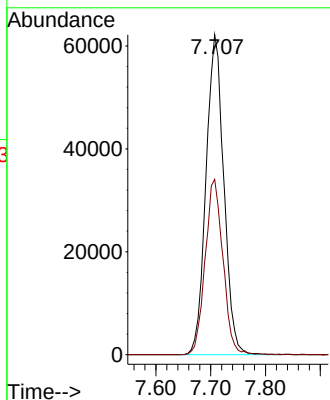
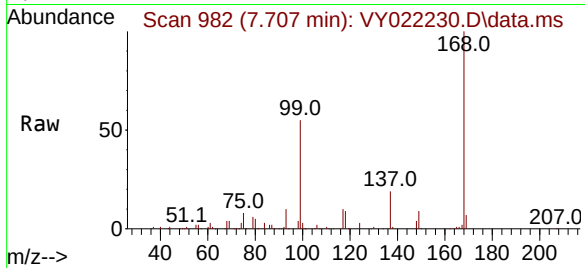




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

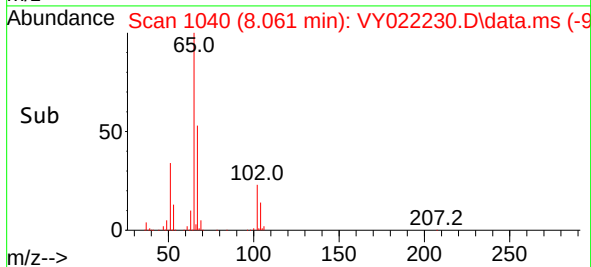
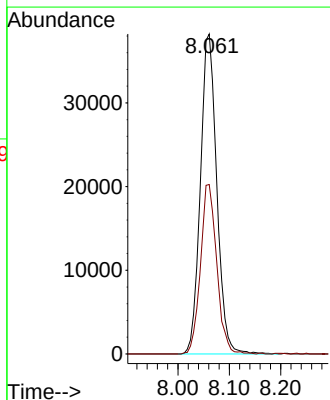
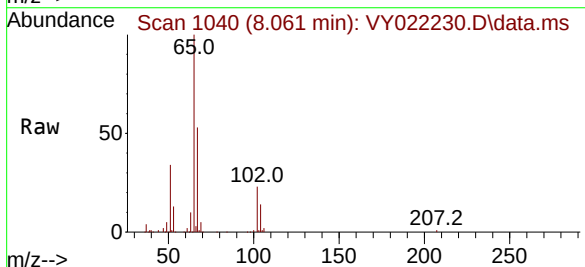
Instrument :
MSVOA_Y
ClientSampleId :
GC1

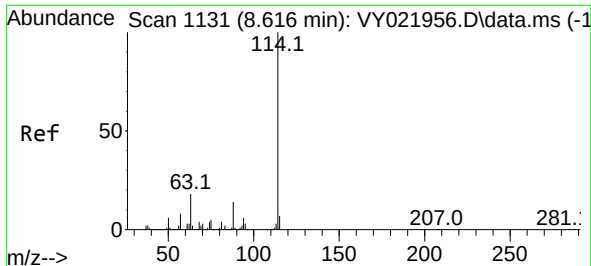
Tgt Ion:168 Resp: 139918
Ion Ratio Lower Upper
168 100
99 54.8 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 65.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 65 Resp: 84641
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

GC1

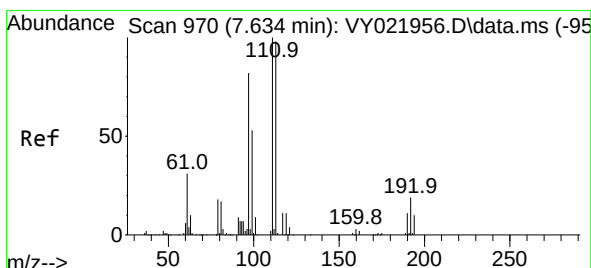
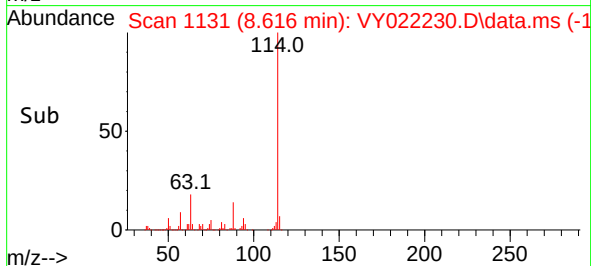
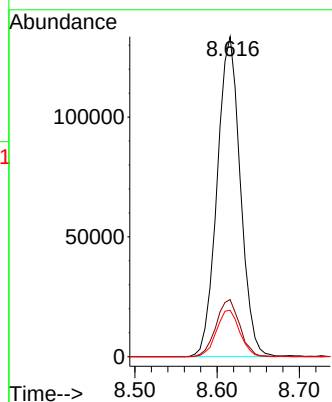
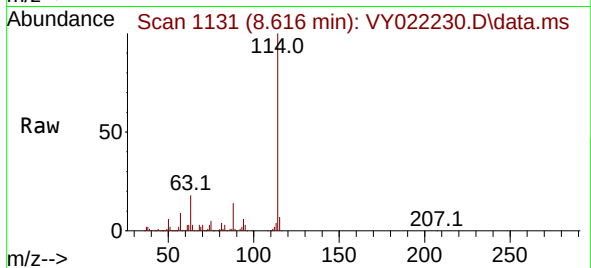
Tgt Ion:114 Resp: 261915

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 58.296 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

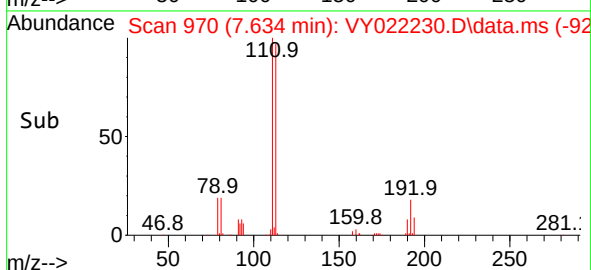
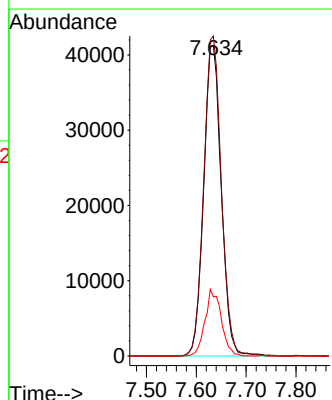
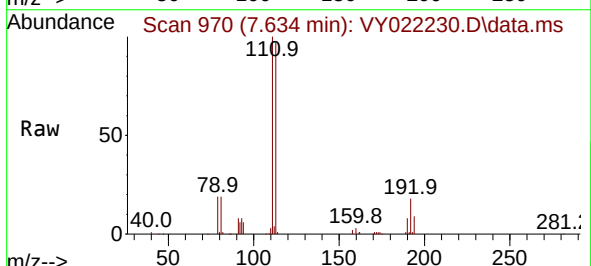
Tgt Ion:113 Resp: 100873

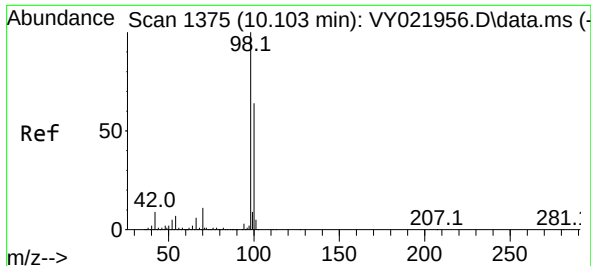
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 19.8 15.6 23.4

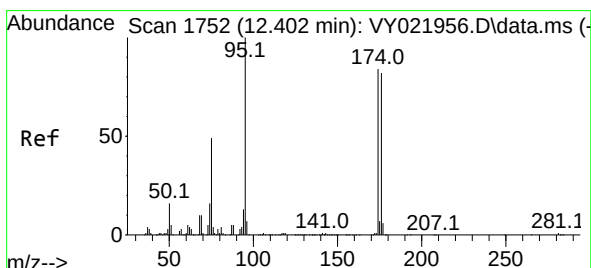
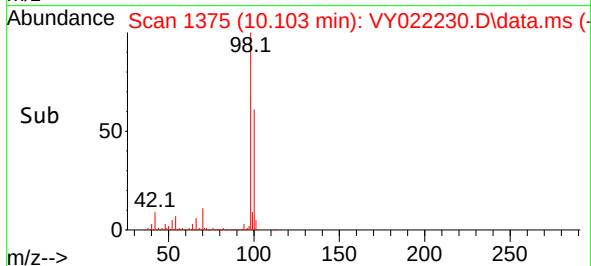
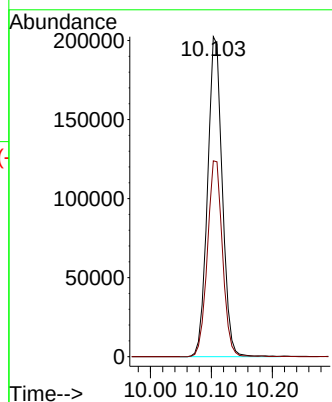
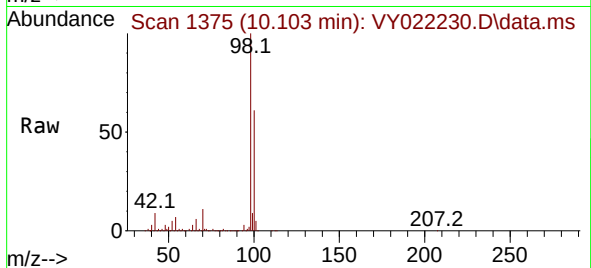




#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

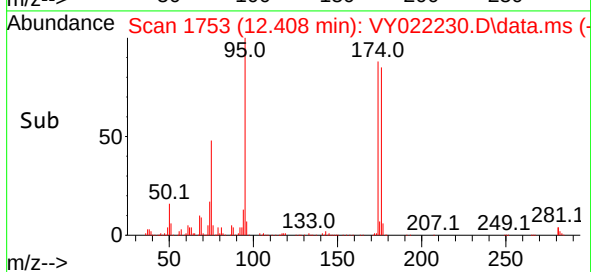
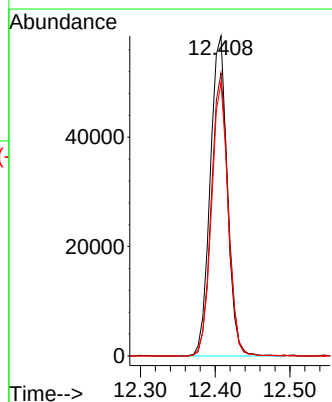
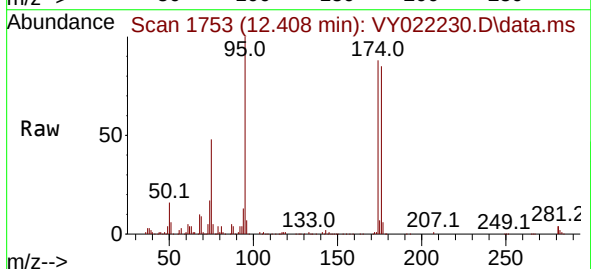
Instrument :
MSVOA_Y
ClientSampleId :
GC1

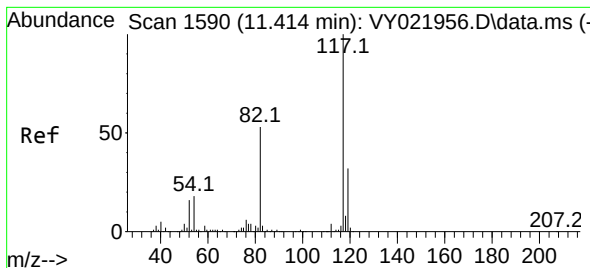
Tgt Ion: 98 Resp: 339991
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 95 Resp: 92585
Ion Ratio Lower Upper
95 100
174 88.1 0.0 179.0
176 83.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

GC1

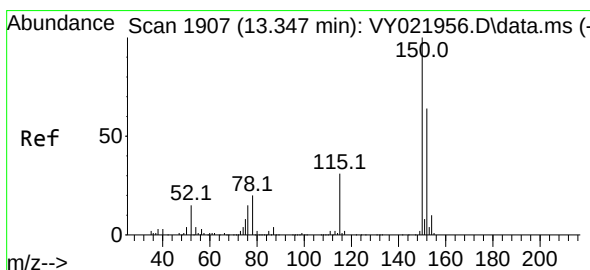
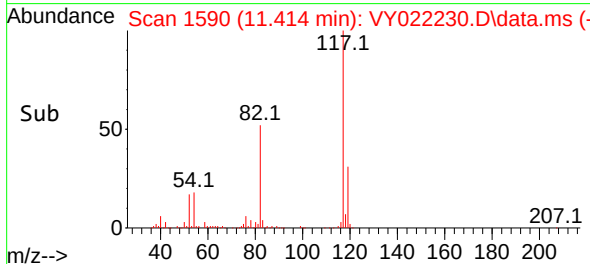
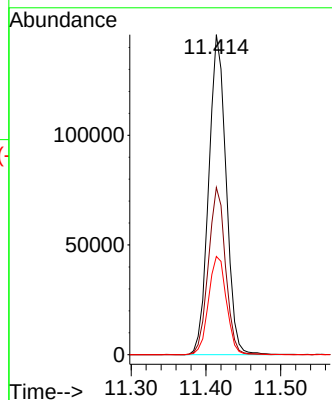
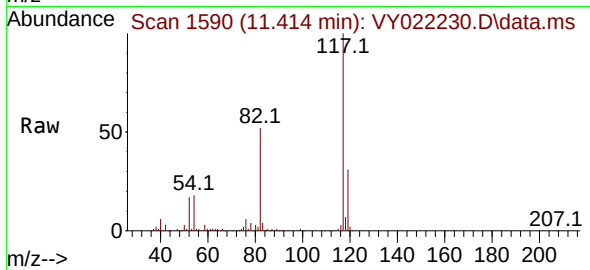
Tgt Ion:117 Resp: 235241

Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

119 30.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

Tgt Ion:152 Resp: 98718

Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

150 159.3 0.0 345.6

