

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022806.D
 Acq On : 24 Jun 2025 18:36
 Operator : SY/MD
 Sample : Q2398-03
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 M00-25-0179

Quant Time: Jun 25 01:30:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	427231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	788249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	707421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	288917	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	243165	50.996	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.000%
35) Dibromofluoromethane	7.628	113	244382	50.979	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.960%
50) Toluene-d8	10.103	98	936255	49.219	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.402	95	298459	48.807	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.620%

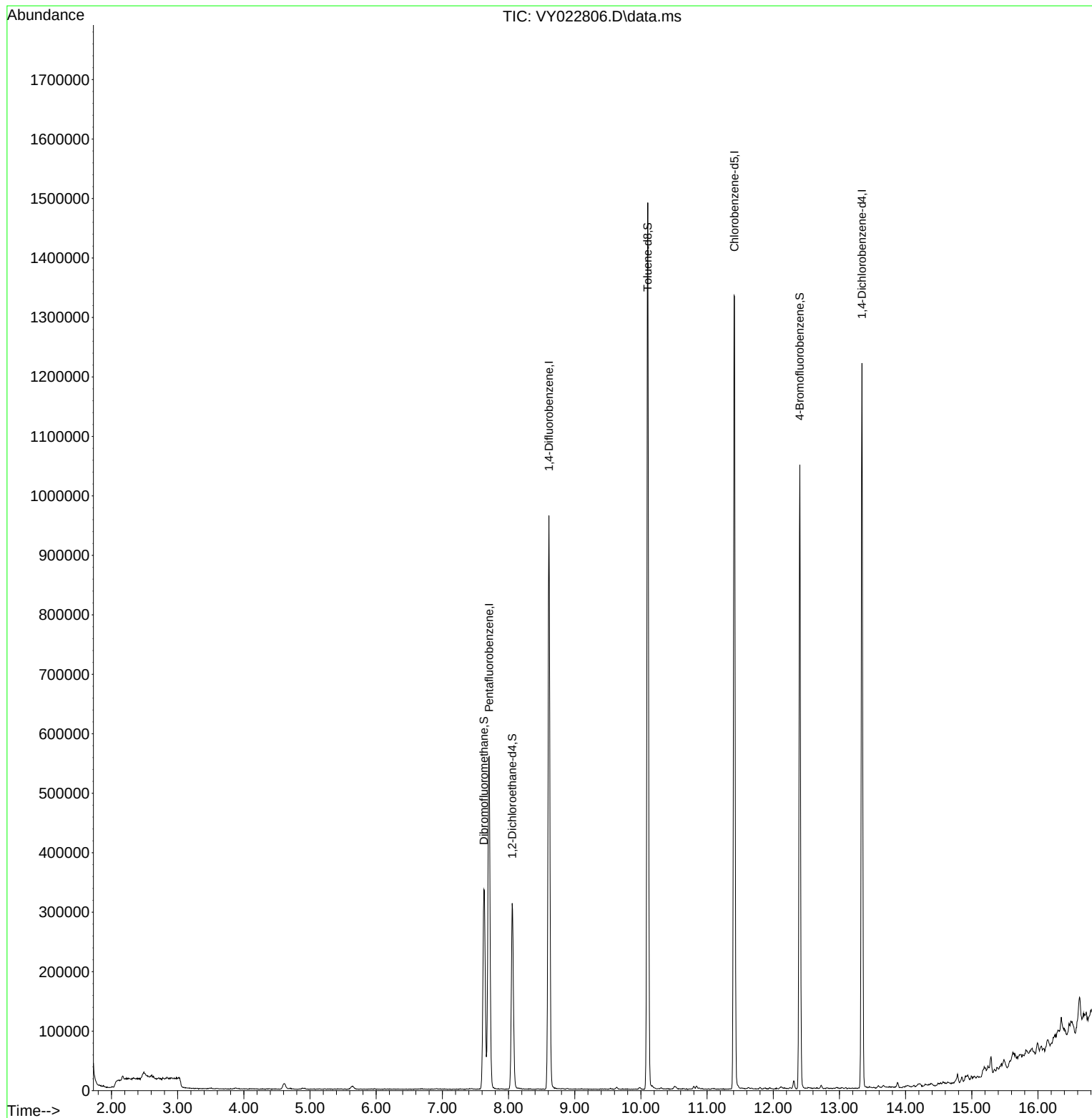
Target Compounds	Qvalue

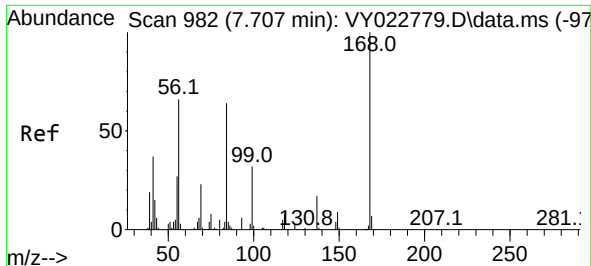
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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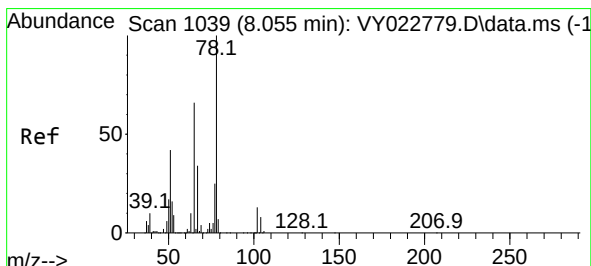
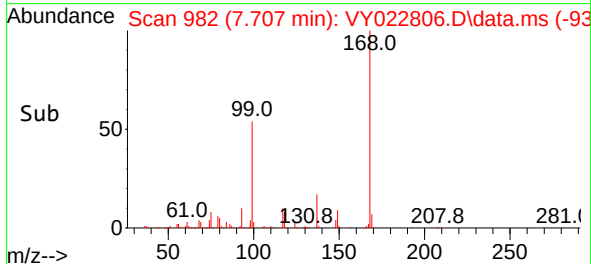
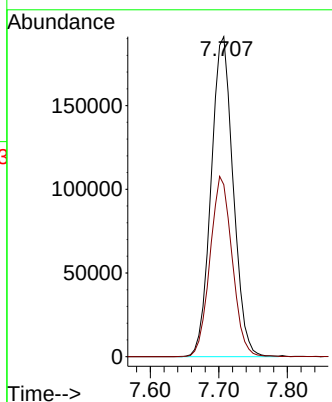
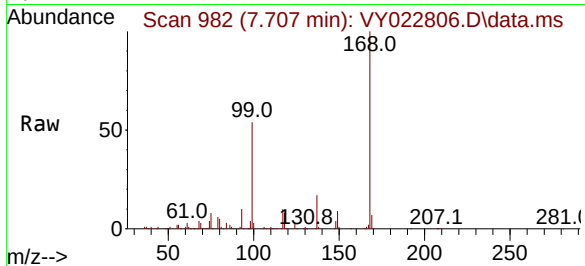




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

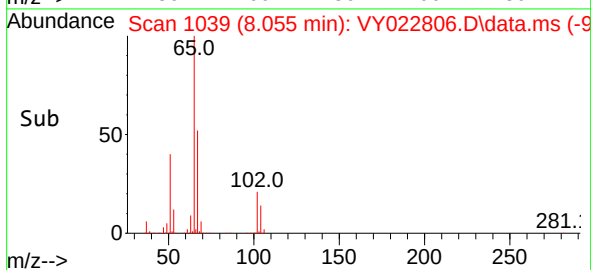
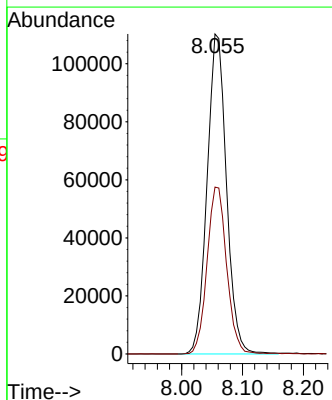
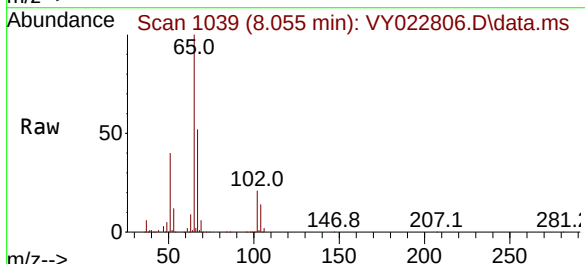
Instrument :
MSVOA_Y
ClientSampleId :
M00-25-0179

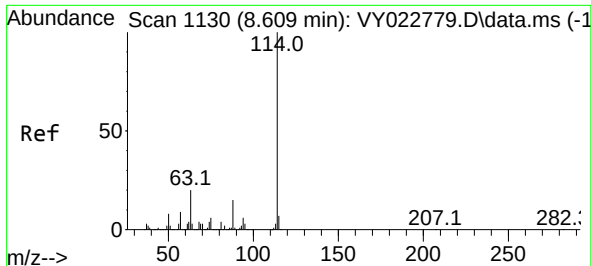
Tgt Ion:168 Resp: 427231
Ion Ratio Lower Upper
168 100
99 53.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.996 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

Tgt Ion: 65 Resp: 243165
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

M00-25-0179

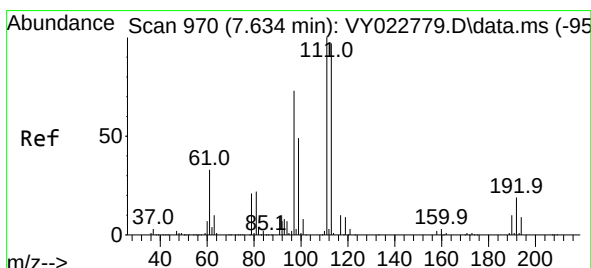
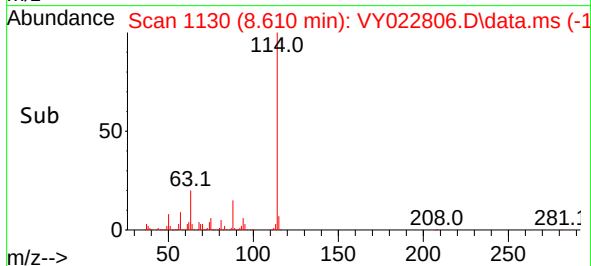
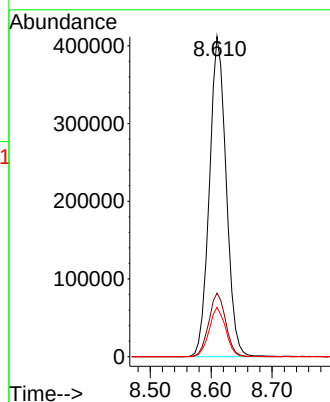
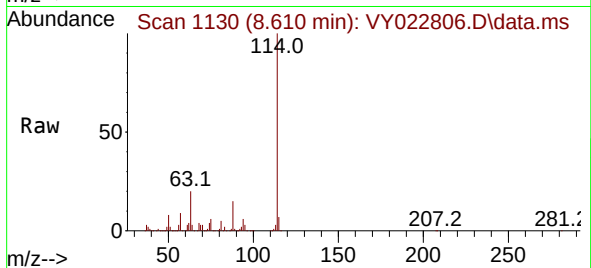
Tgt Ion:114 Resp: 788249

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.979 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

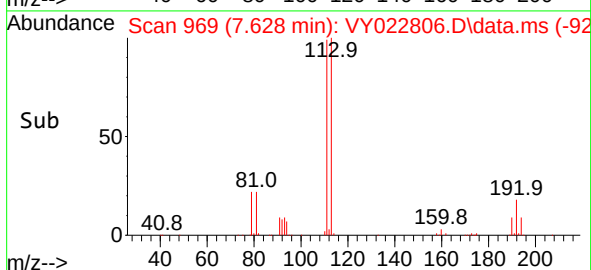
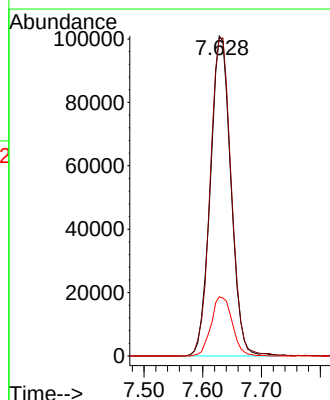
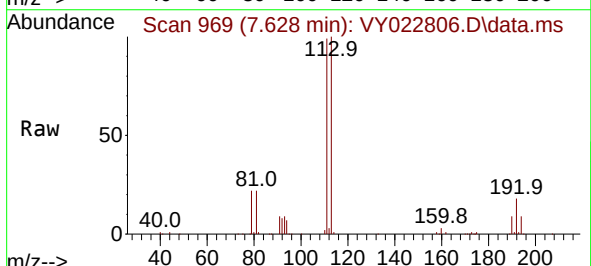
Tgt Ion:113 Resp: 244382

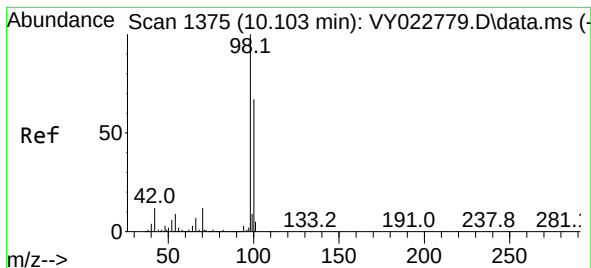
Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 19.1 14.2 21.2

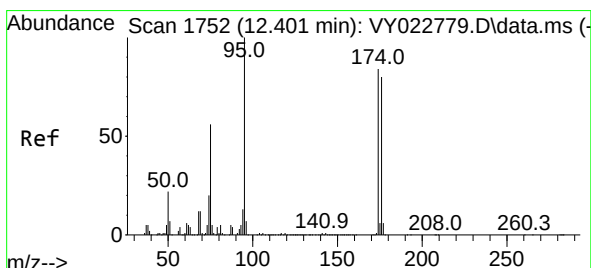
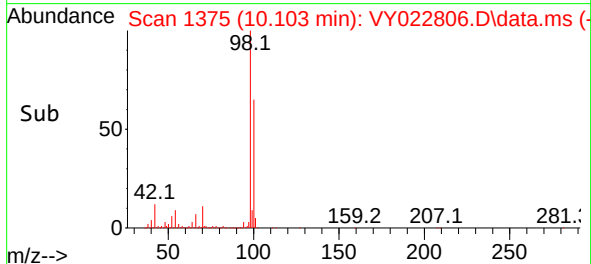
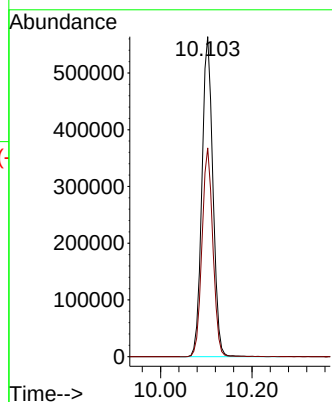
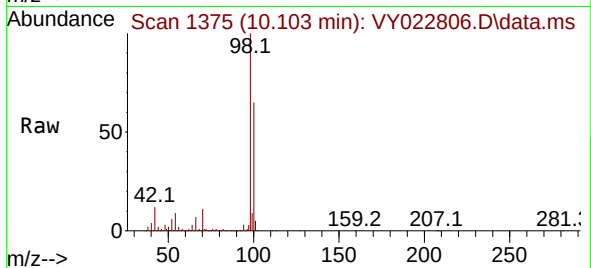




#50
Toluene-d8
Concen: 49.219 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

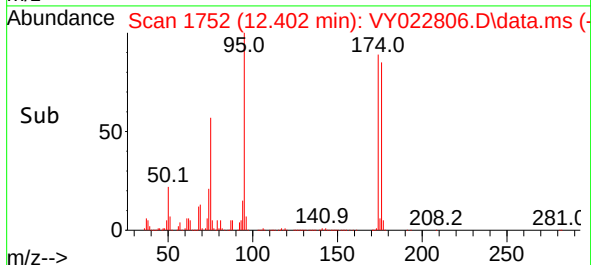
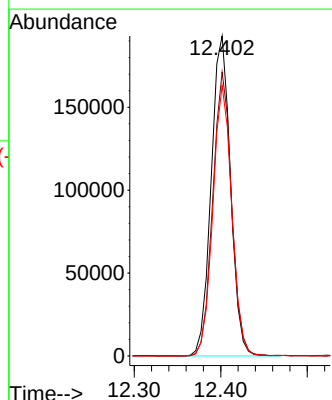
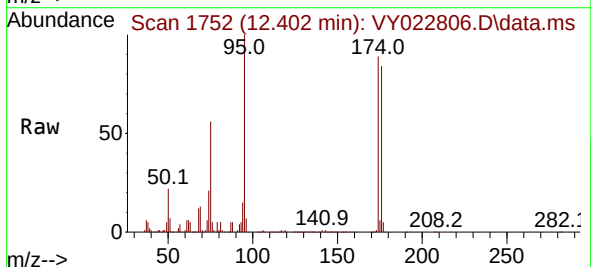
Instrument :
MSVOA_Y
ClientSampleId :
M00-25-0179

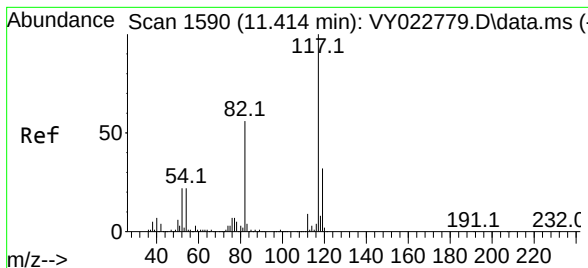
Tgt Ion: 98 Resp: 936255
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 48.807 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

Tgt Ion: 95 Resp: 298459
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.0
176 83.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

M00-25-0179

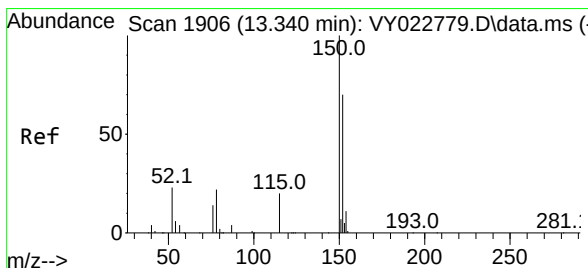
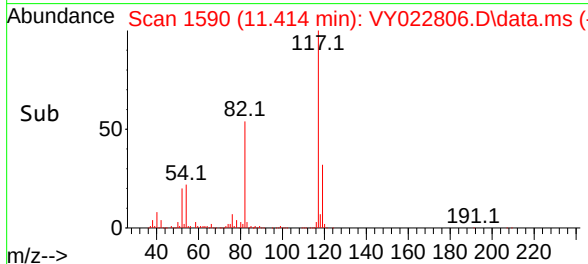
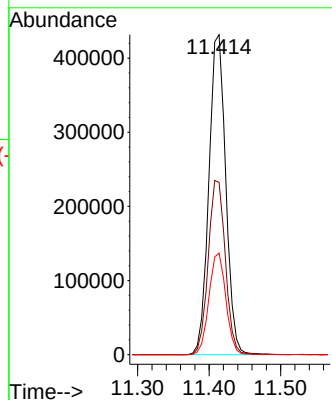
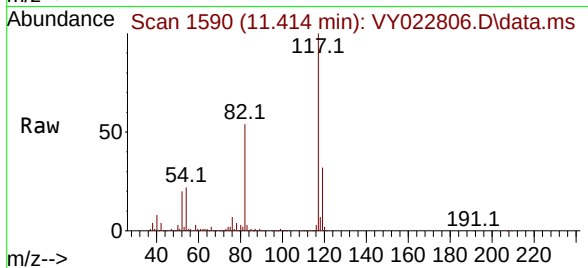
Tgt Ion:117 Resp: 707421

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

Tgt Ion:152 Resp: 288917

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 157.1 0.0 349.6

