

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023381.D
 Acq On : 25 Sep 2025 18:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 26 04:28:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	599453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1137518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	518886	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	307339	58.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.700%
35) Dibromofluoromethane	7.634	113	370220	52.484	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.960%
50) Toluene-d8	10.103	98	1398164	52.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.980%
62) 4-Bromofluorobenzene	12.402	95	476363	56.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.660%

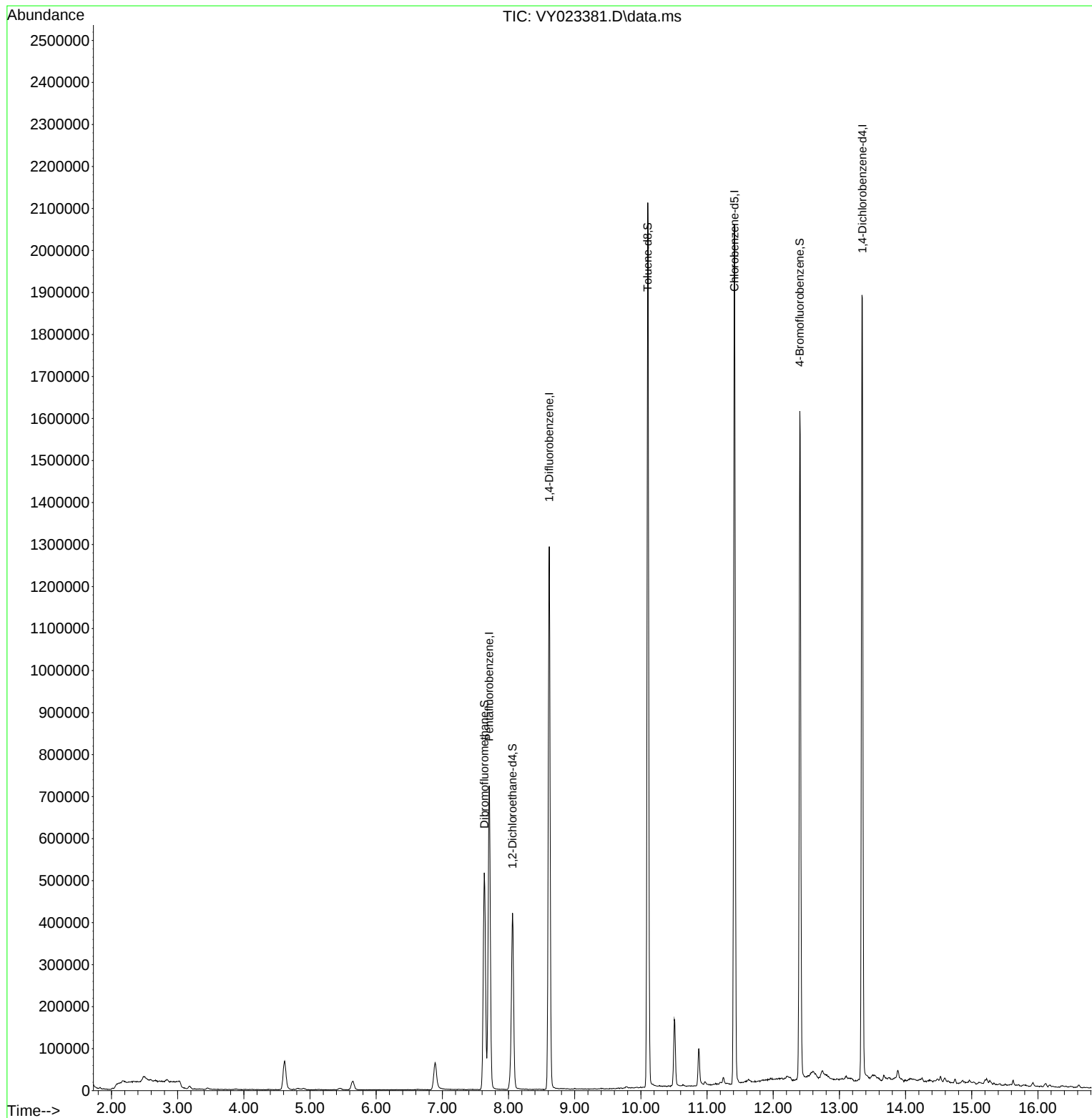
Target Compounds	Qvalue

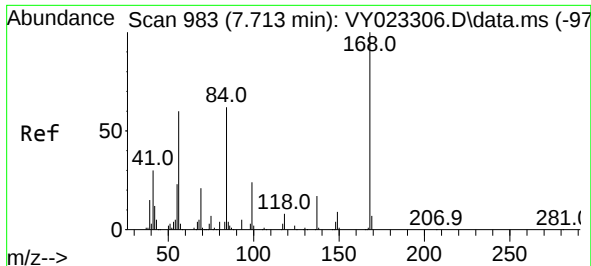
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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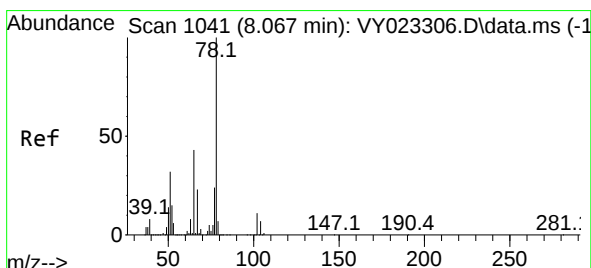
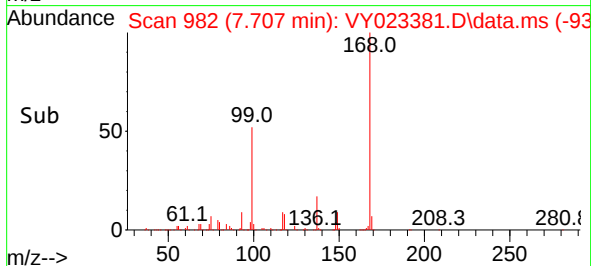
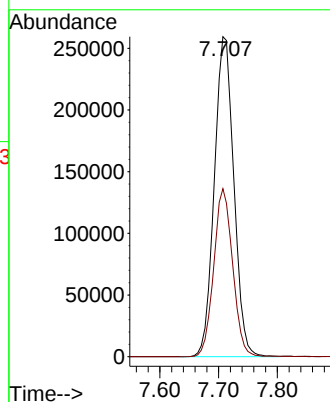
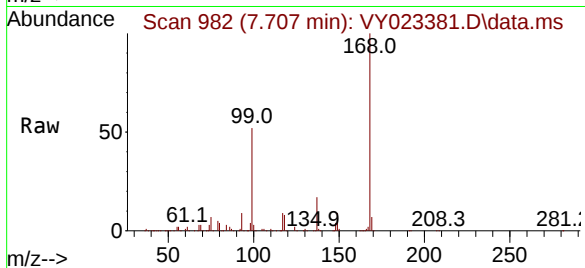




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

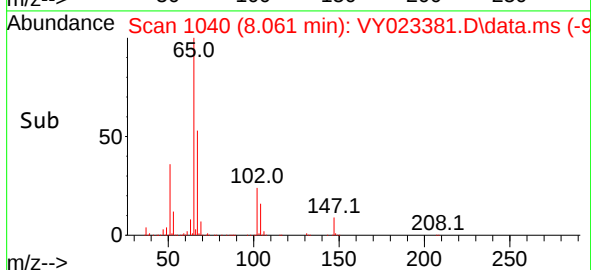
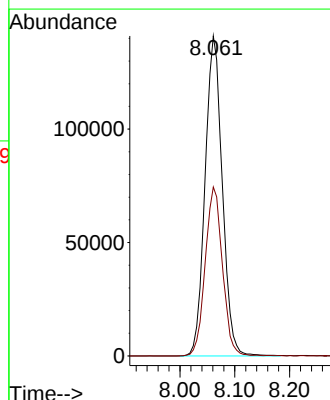
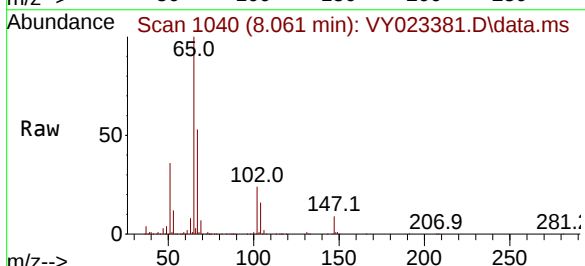
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

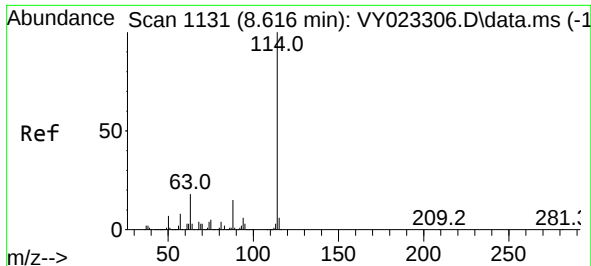
Tgt Ion:168 Resp: 599453
Ion Ratio Lower Upper
168 100
99 52.5 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.346 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Tgt Ion: 65 Resp: 307339
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

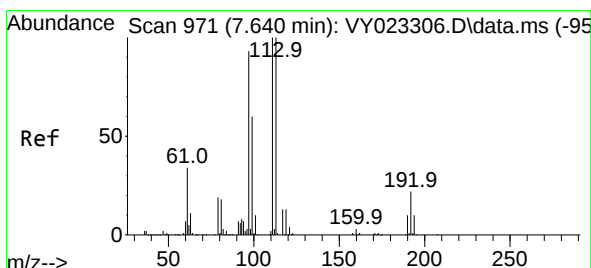
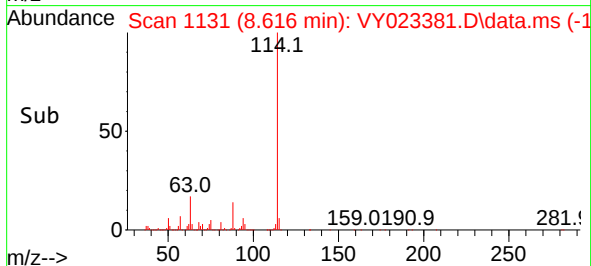
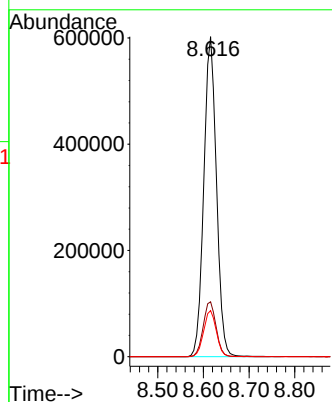
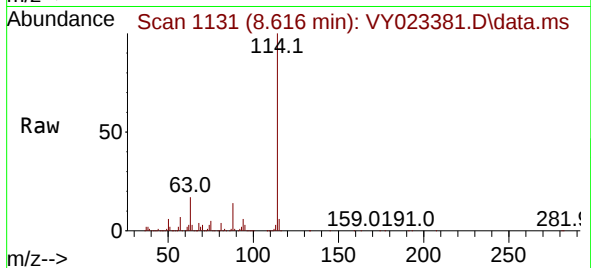
Tgt Ion:114 Resp: 1153987

Ion Ratio Lower Upper

114 100

63 17.2 0.0 38.4

88 14.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.484 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

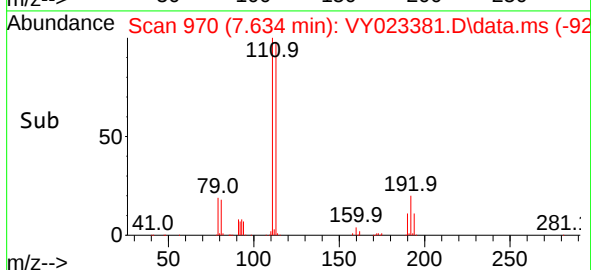
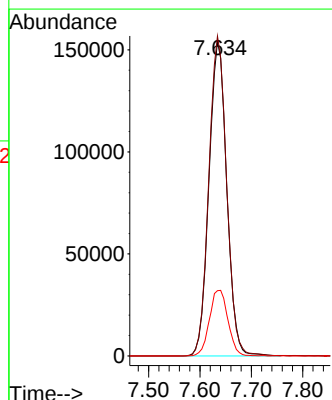
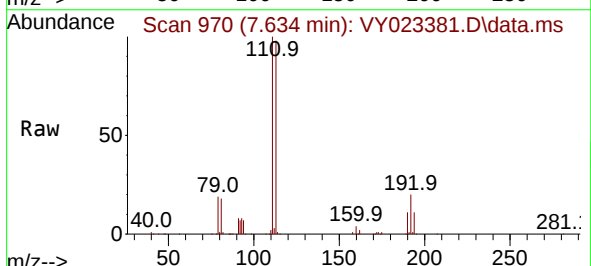
Tgt Ion:113 Resp: 370220

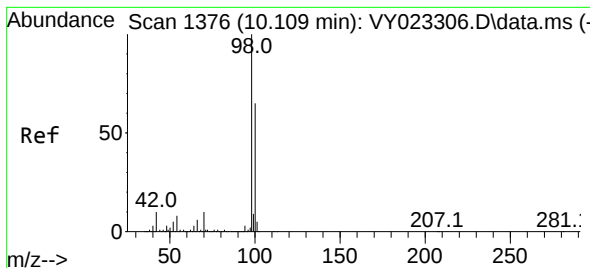
Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 21.7 16.2 24.4





#50

Toluene-d8

Concen: 52.492 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

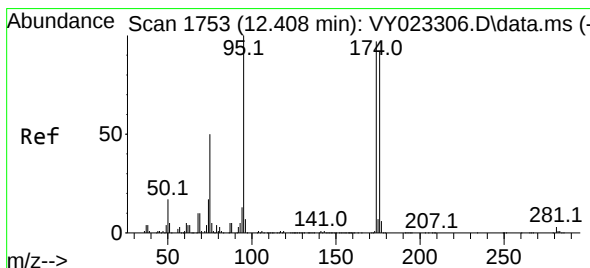
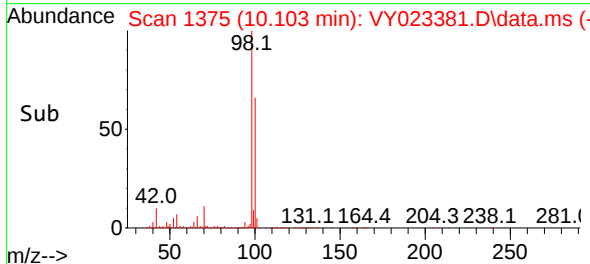
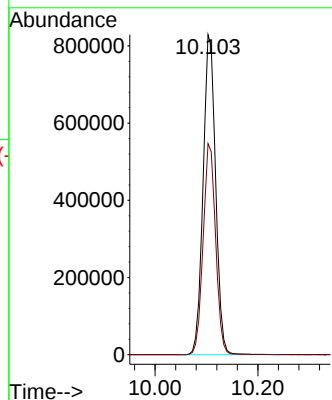
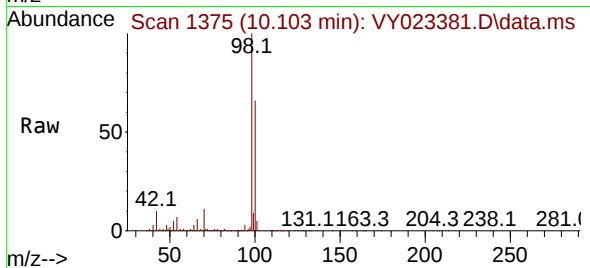
VIBLK

Tgt Ion: 98 Resp: 1398164

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.830 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

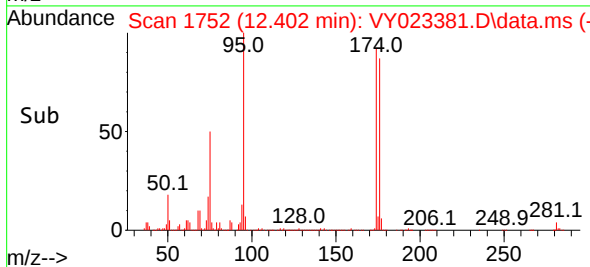
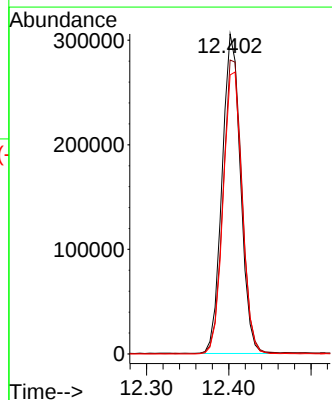
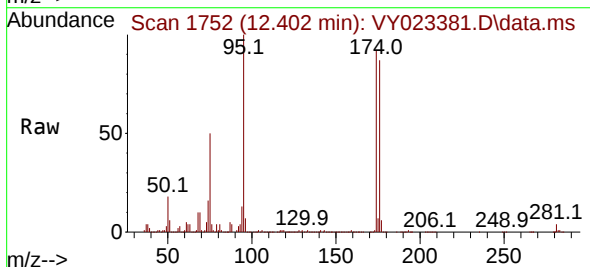
Tgt Ion: 95 Resp: 476363

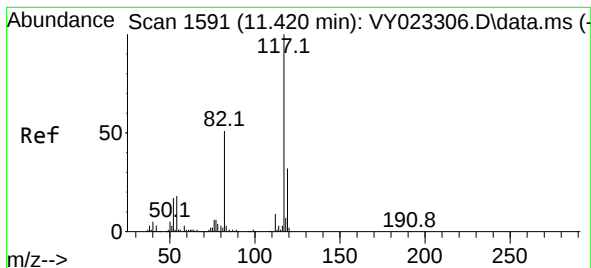
Ion Ratio Lower Upper

95 100

174 94.9 0.0 171.6

176 91.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

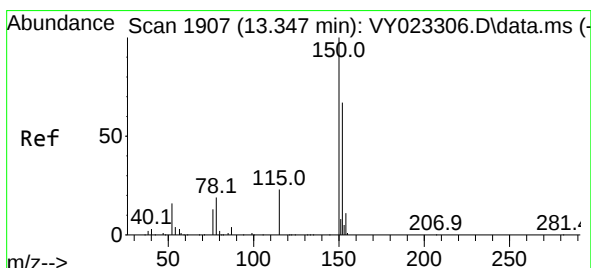
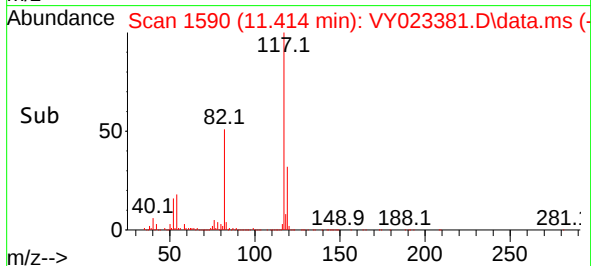
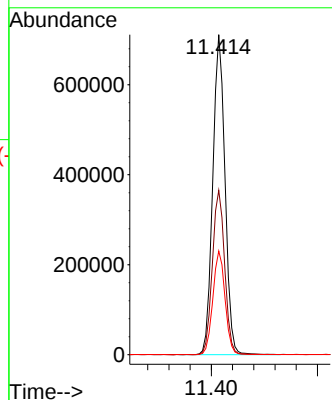
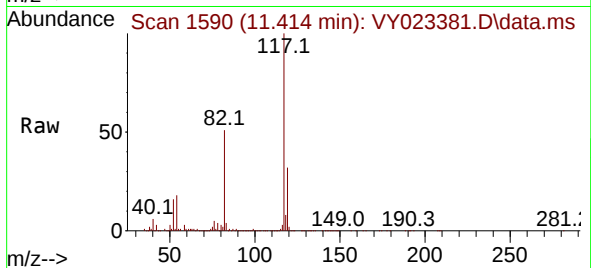
Tgt Ion:117 Resp: 1137518

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

Tgt Ion:152 Resp: 518886

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 157.5 0.0 348.0

