

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023033.D
 Acq On : 21 Jul 2025 17:43
 Operator : SY/MD
 Sample : Q2651-04
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 8-7

Quant Time: Jul 22 04:55:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	255550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	236661	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170105	65.753	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.500%
35) Dibromofluoromethane	7.634	113	165476	52.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.900%
50) Toluene-d8	10.103	98	628973	50.274	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.401	95	230828	58.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	117.220%

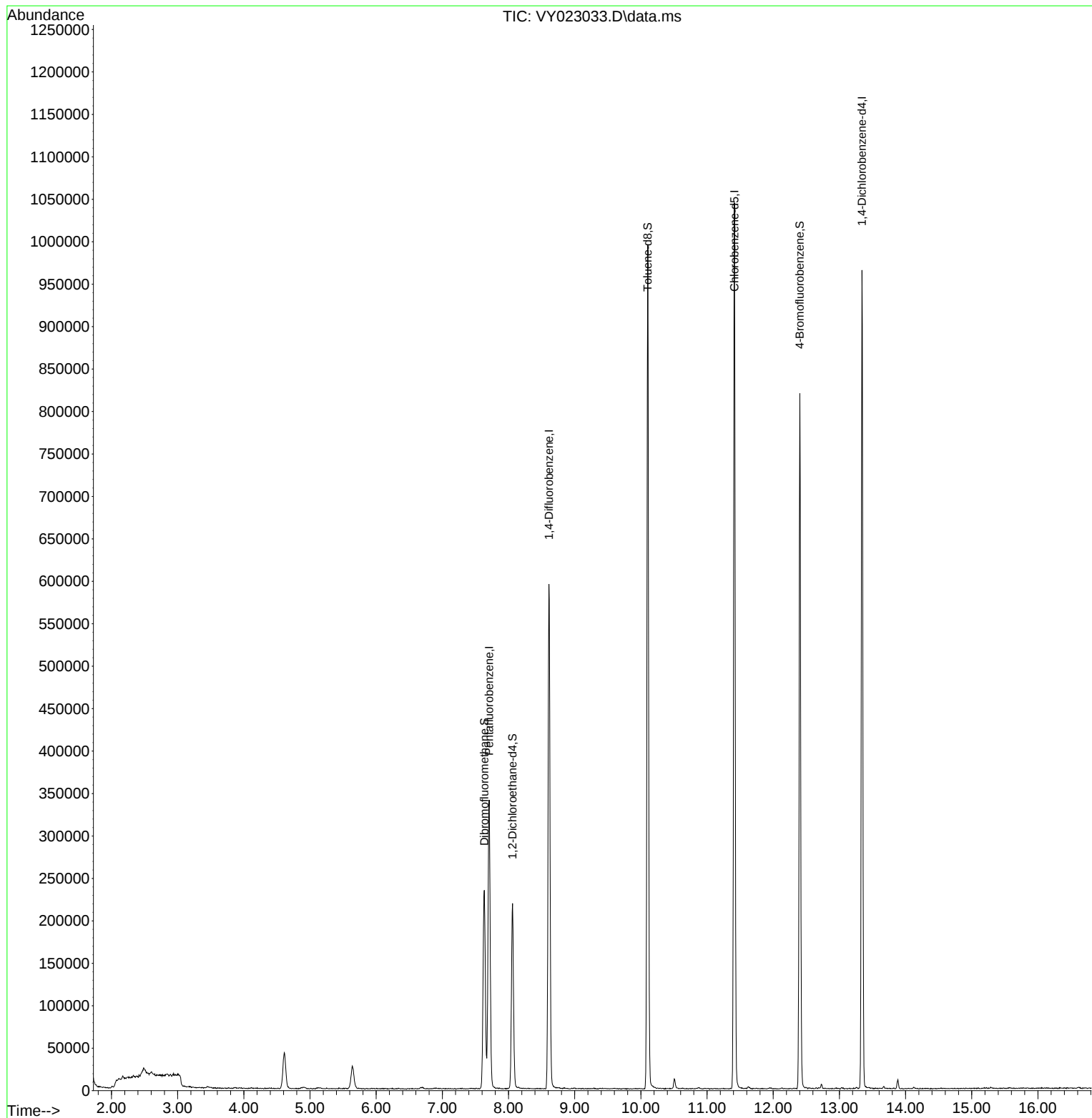
Target Compounds	Qvalue

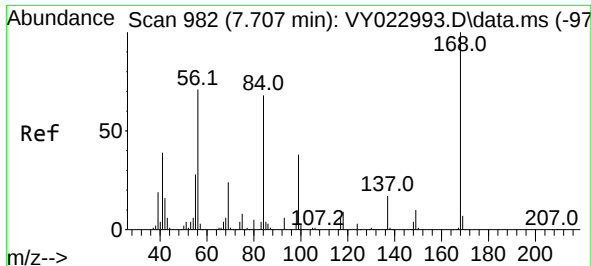
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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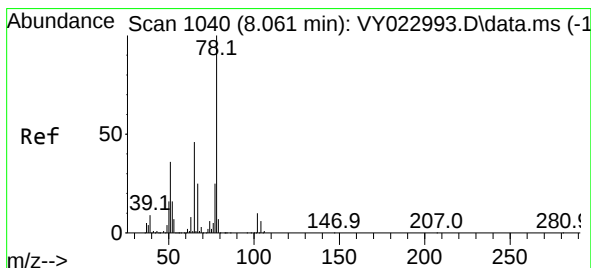
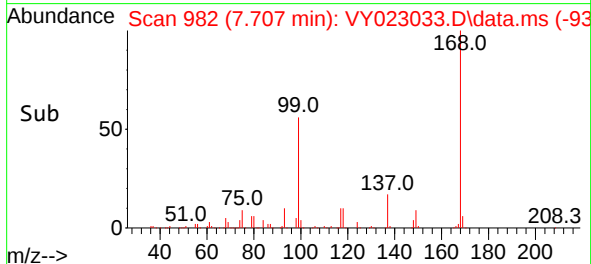
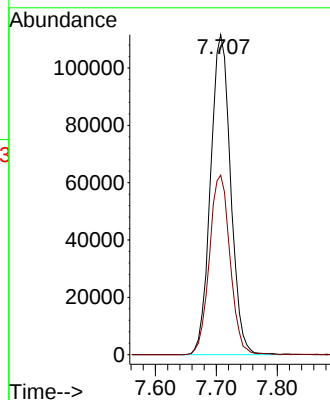
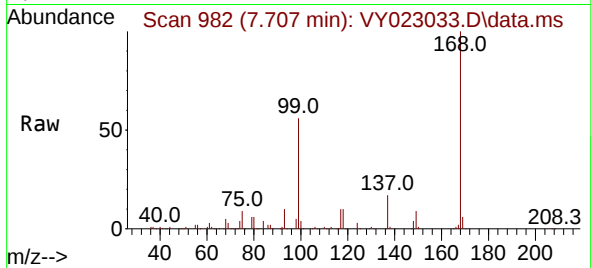




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

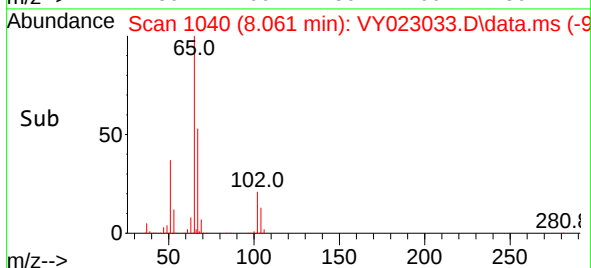
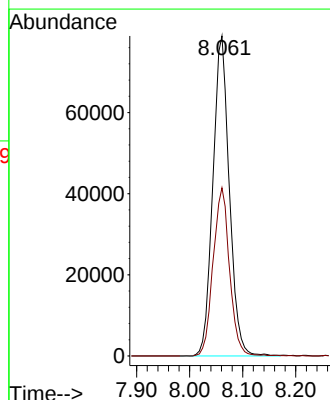
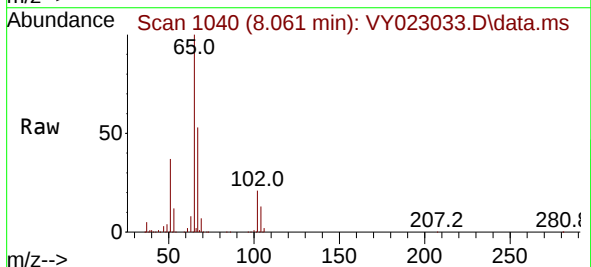
Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

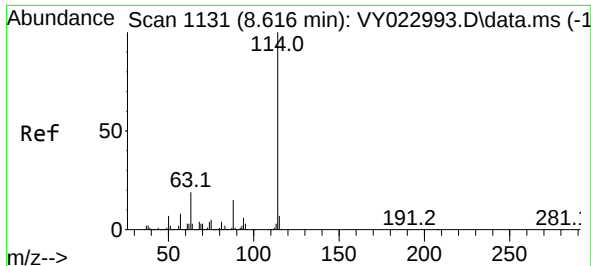
Tgt Ion:168 Resp: 255550
Ion Ratio Lower Upper
168 100
99 56.1 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 65.753 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 65 Resp: 170105
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

MH 8-7

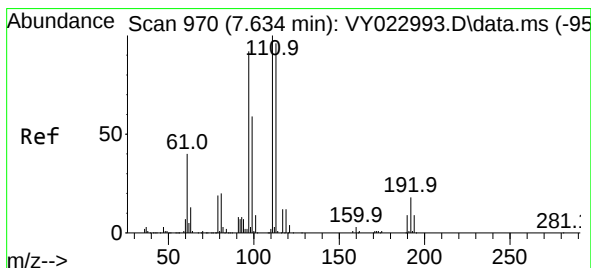
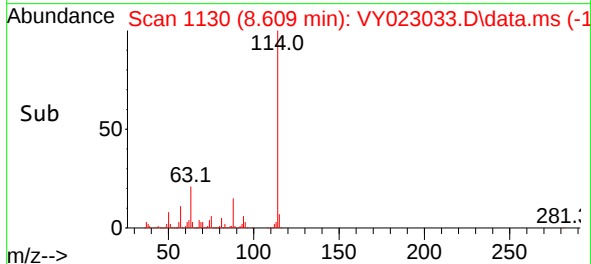
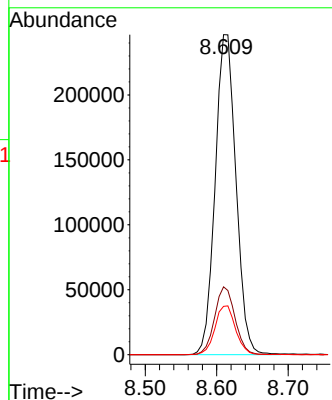
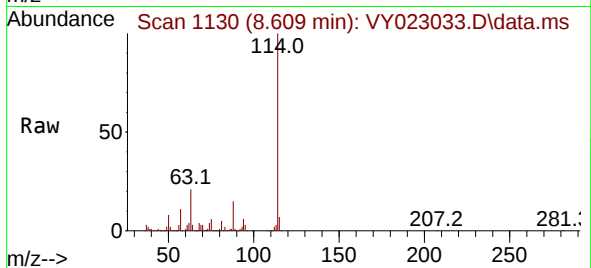
Tgt Ion:114 Resp: 497344

Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.8

88 15.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.452 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

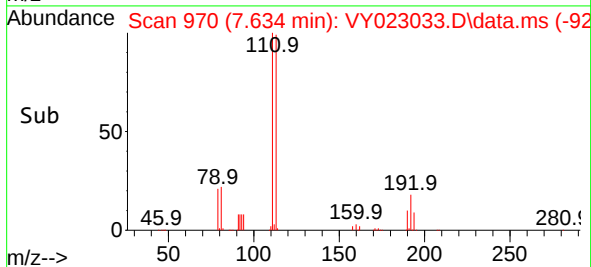
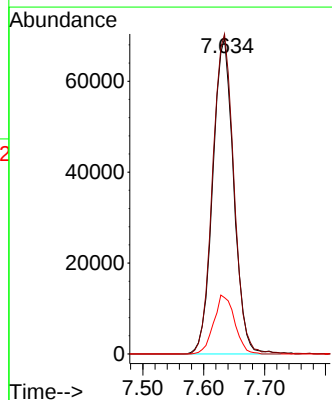
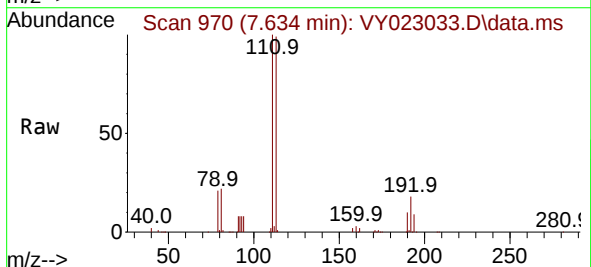
Tgt Ion:113 Resp: 165476

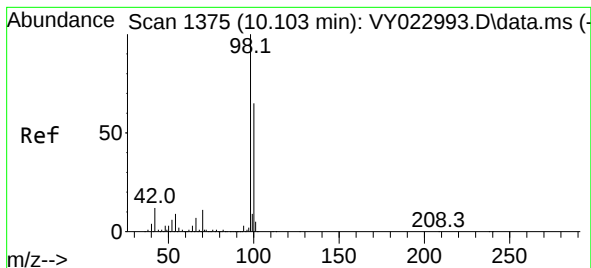
Ion Ratio Lower Upper

113 100

111 103.0 83.2 124.8

192 18.6 15.3 22.9





#50

Toluene-d8

Concen: 50.274 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

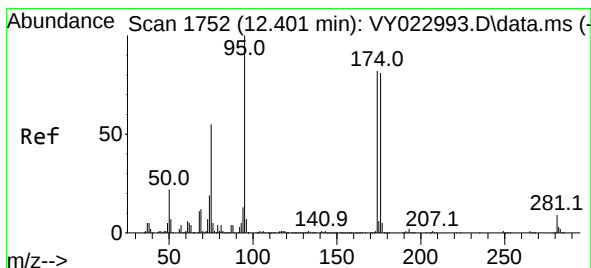
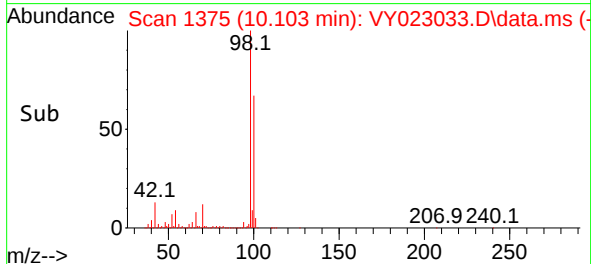
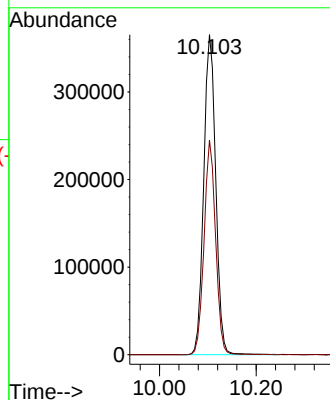
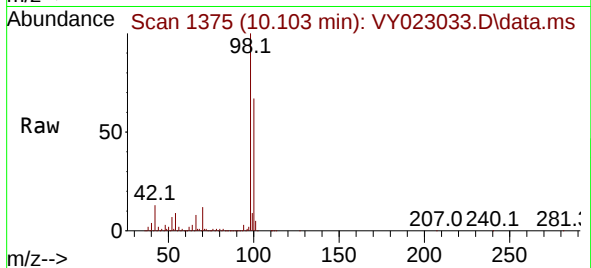
MH 8-7

Tgt Ion: 98 Resp: 628973

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 58.612 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

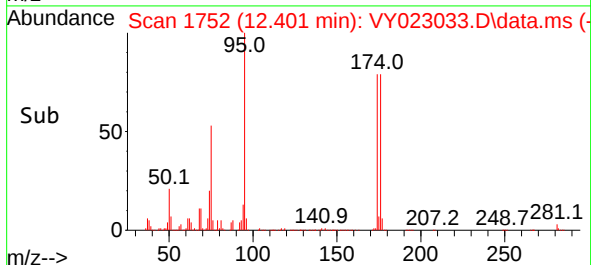
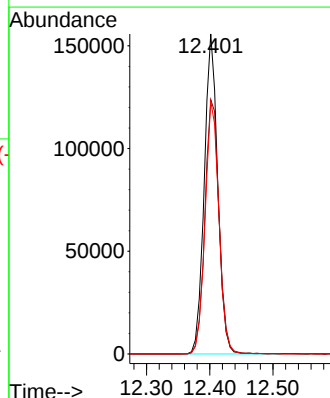
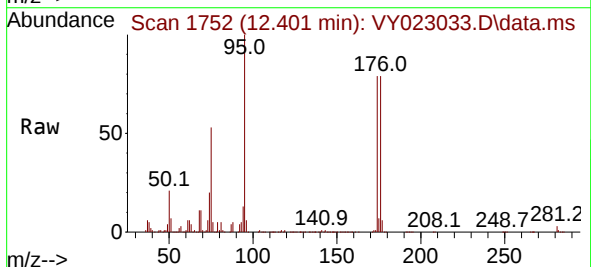
Tgt Ion: 95 Resp: 230828

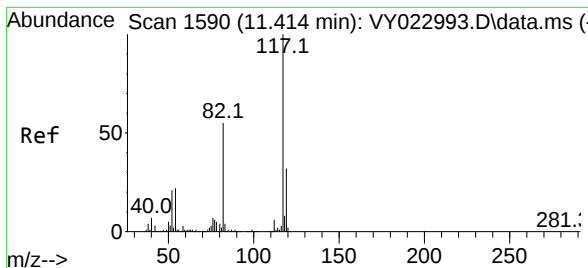
Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.8

176 80.8 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

MH 8-7

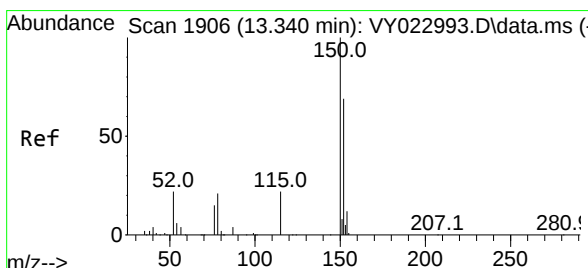
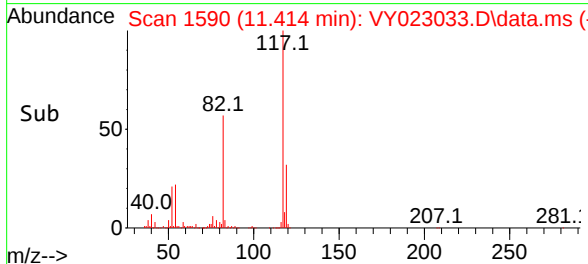
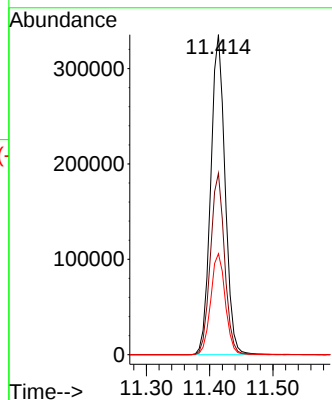
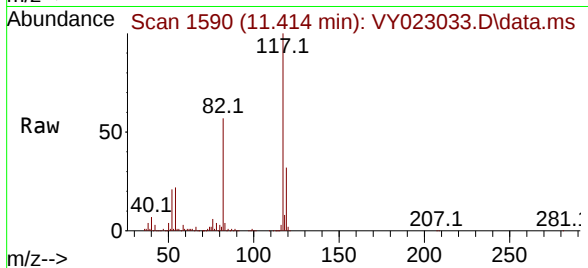
Tgt Ion:117 Resp: 529238

Ion Ratio Lower Upper

117 100

82 56.7 44.3 66.5

119 31.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

Tgt Ion:152 Resp: 236661

Ion Ratio Lower Upper

152 100

115 57.0 29.4 88.2

150 157.4 0.0 350.0

