

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023044.D
 Acq On : 22 Jul 2025 14:25
 Operator : SY/MD
 Sample : Q2651-05RE
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 9-8RE

Quant Time: Jul 23 02:04:34 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	52570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	87688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	80835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	28117	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28882	54.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.540%
35) Dibromofluoromethane	7.634	113	29665	53.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.660%
50) Toluene-d8	10.103	98	101584	46.053	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.100%
62) 4-Bromofluorobenzene	12.401	95	30828	44.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.800%

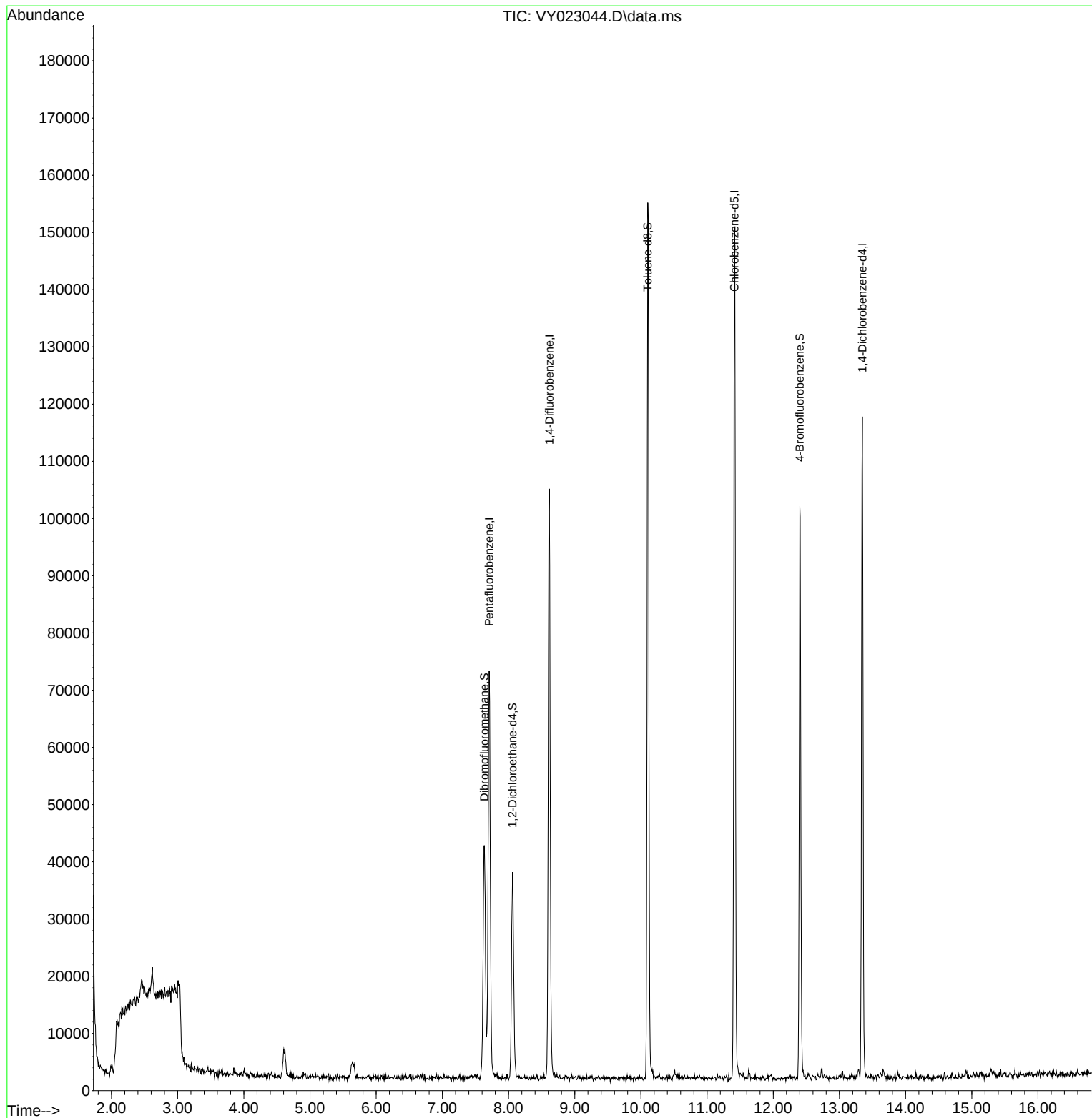
Target Compounds	Qvalue

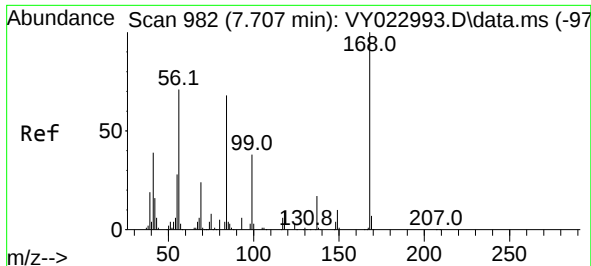
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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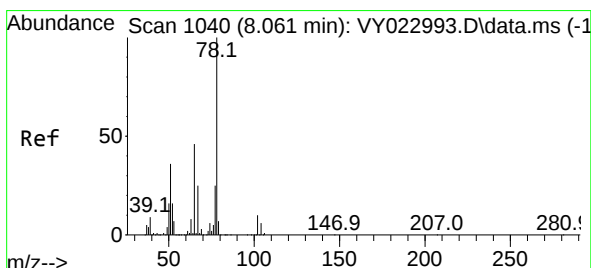
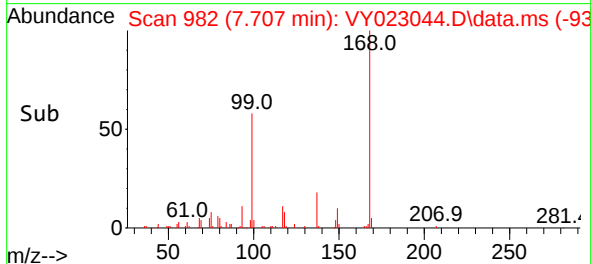
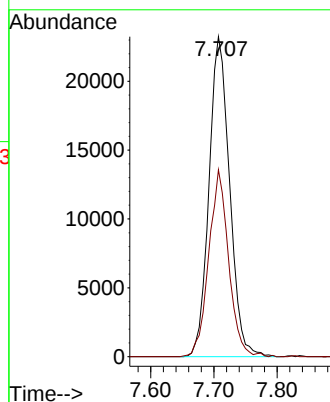
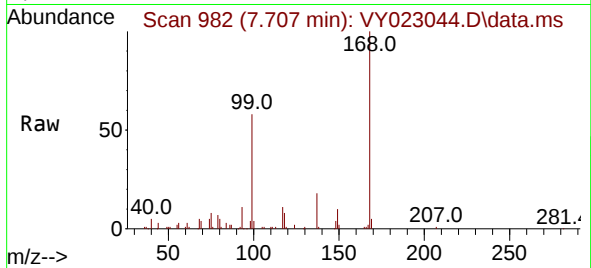




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

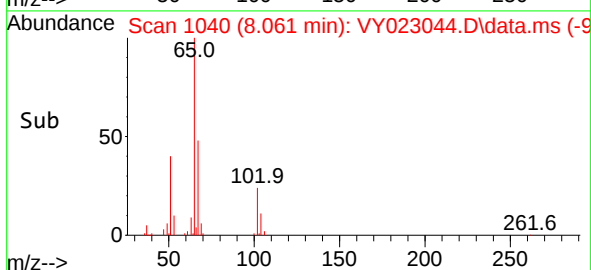
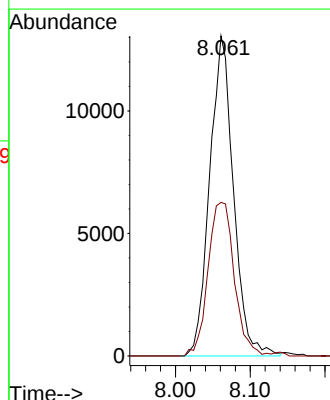
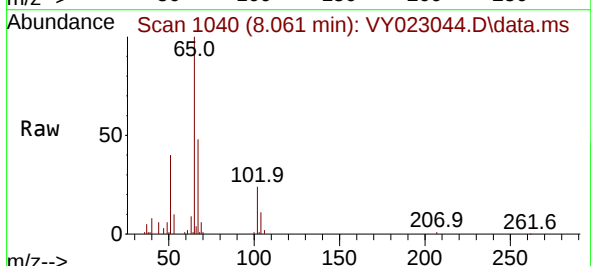
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

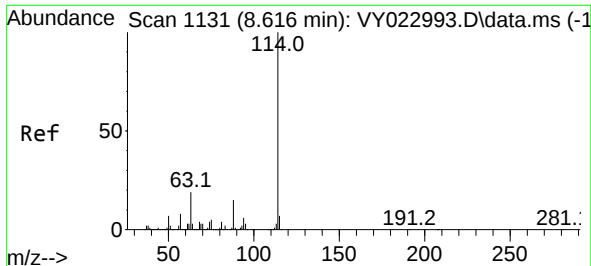
Tgt Ion:168 Resp: 52570
Ion Ratio Lower Upper
168 100
99 58.4 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 54.271 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 65 Resp: 28882
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH 9-8RE

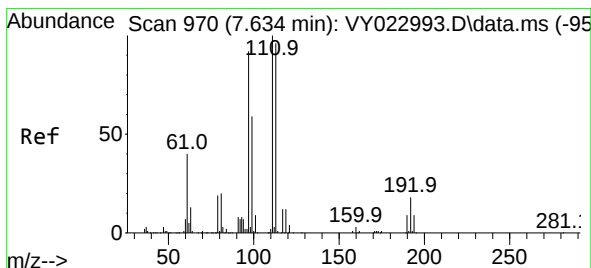
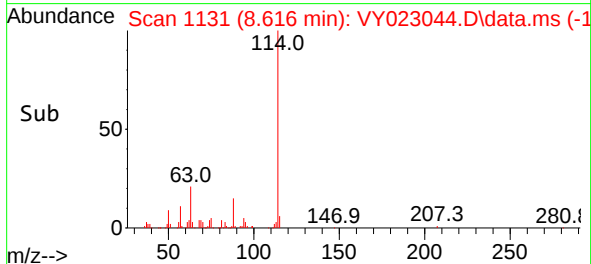
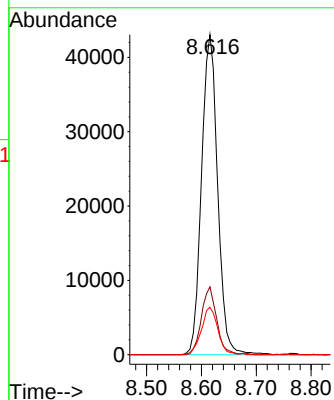
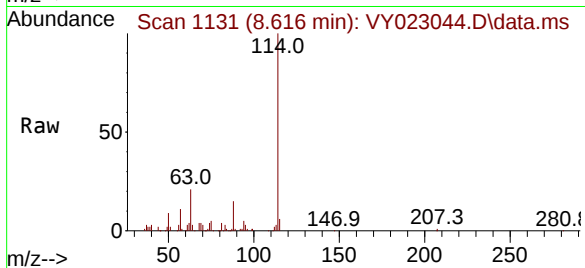
Tgt Ion:114 Resp: 87688

Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.8

88 14.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.332 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

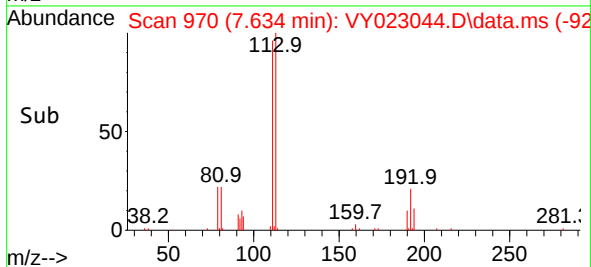
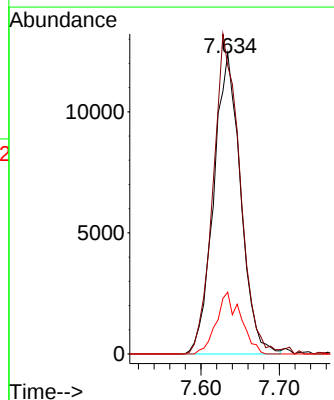
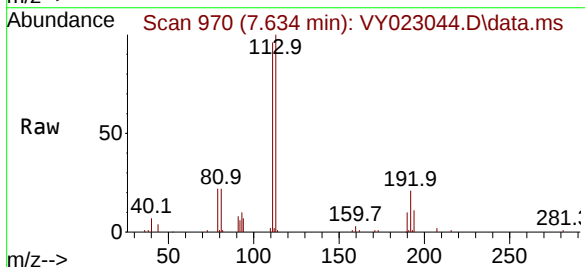
Tgt Ion:113 Resp: 29665

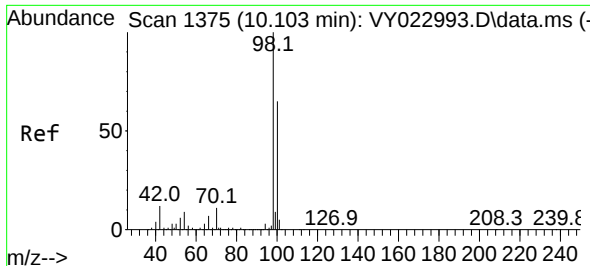
Ion Ratio Lower Upper

113 100

111 105.5 83.2 124.8

192 18.7 15.3 22.9

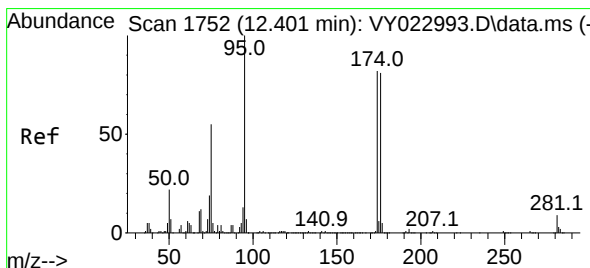
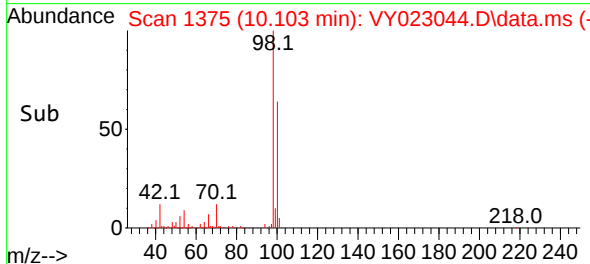
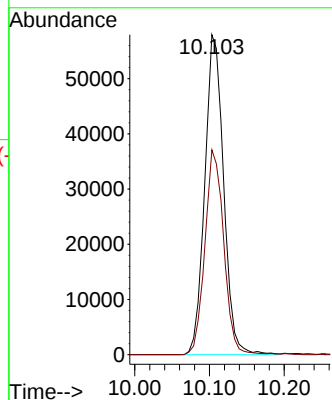
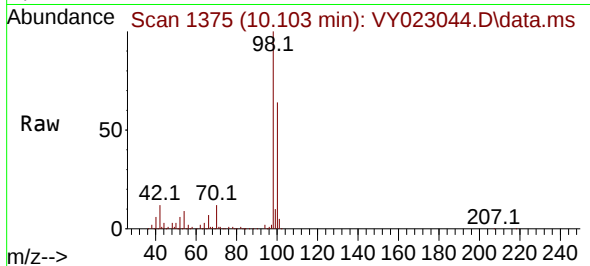




#50
Toluene-d8
Concen: 46.053 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

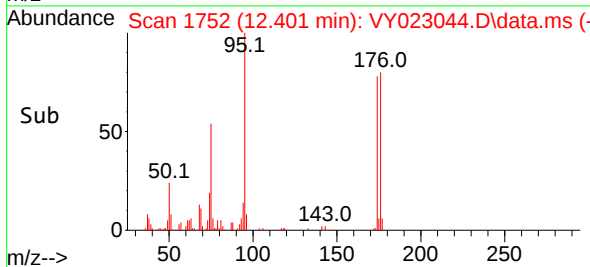
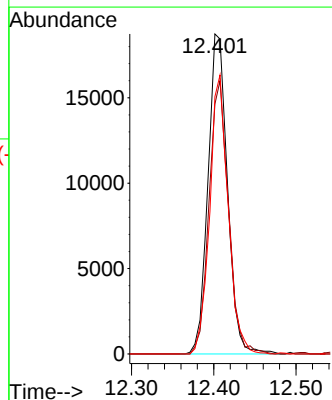
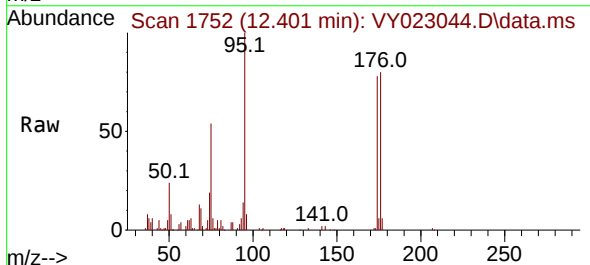
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

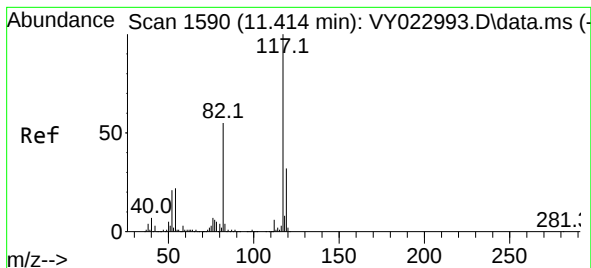
Tgt Ion: 98 Resp: 101584
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 44.398 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 95 Resp: 30828
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 82.6 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: VY023044.D

Acq: 22 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH 9-8RE

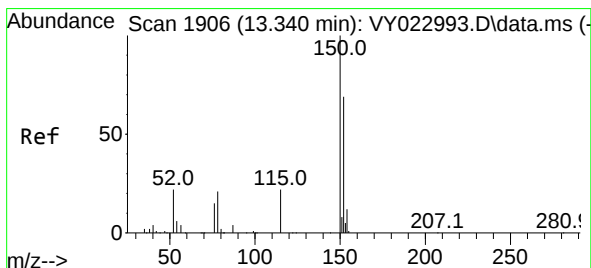
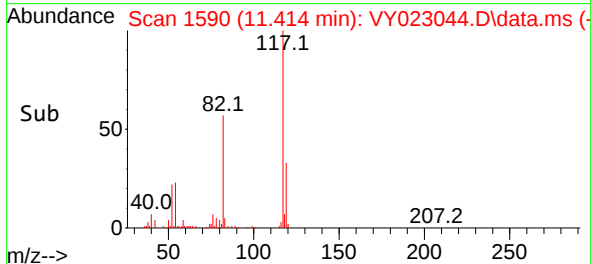
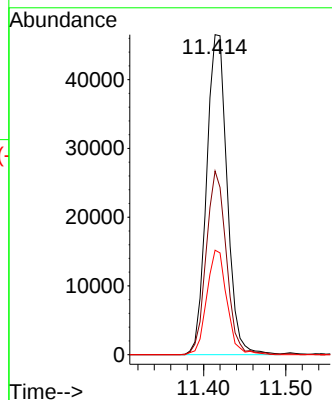
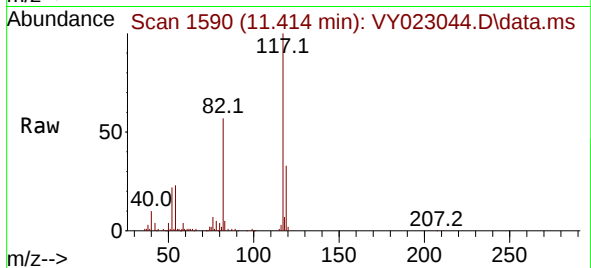
Tgt Ion:117 Resp: 80835

Ion Ratio Lower Upper

117 100

82 57.4 44.3 66.5

119 32.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

Tgt Ion:152 Resp: 28117

Ion Ratio Lower Upper

152 100

115 59.5 29.4 88.2

150 164.0 0.0 350.0

