

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023428.D
 Acq On : 10 Oct 2025 10:56
 Operator : SY/MD
 Sample : Q3303-01RE
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HL-WESTRE

Quant Time: Oct 10 15:35:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	105658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	148701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	99669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	24491	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	28911	32.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	65.440%
35) Dibromofluoromethane	7.640	113	46137	50.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.980%
50) Toluene-d8	10.109	98	157186	46.195	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.380%
62) 4-Bromofluorobenzene	12.408	95	27823	24.767	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	49.540%

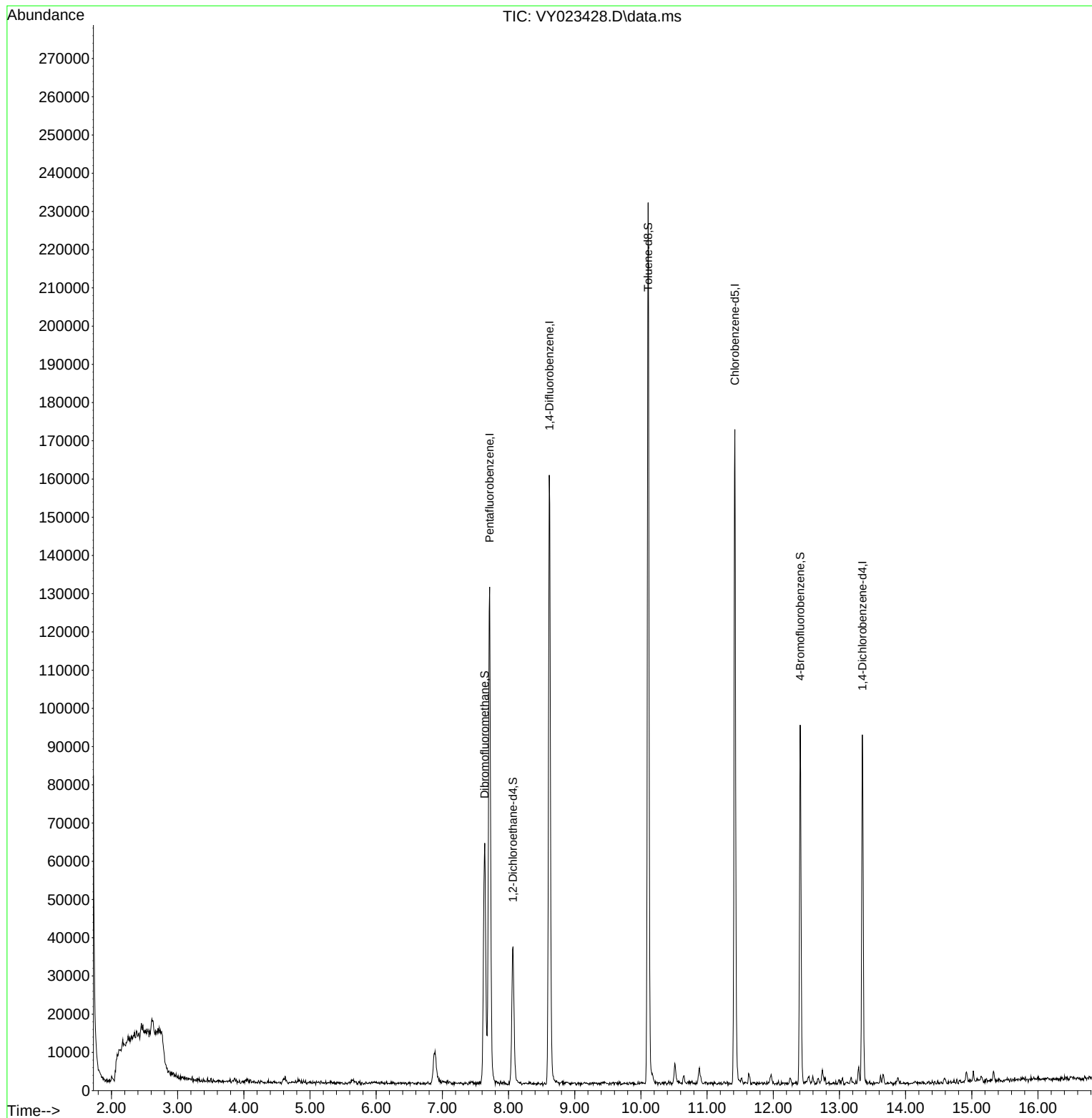
Target Compounds	Qvalue

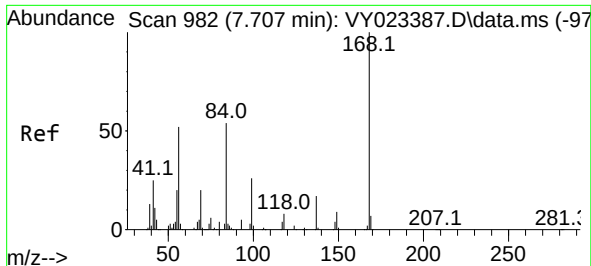
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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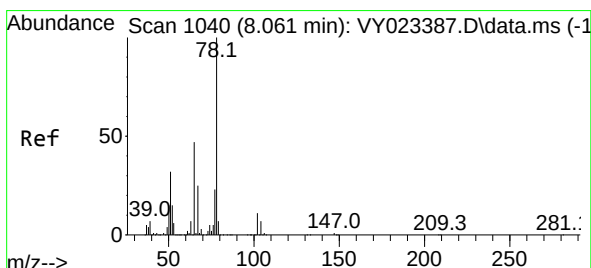
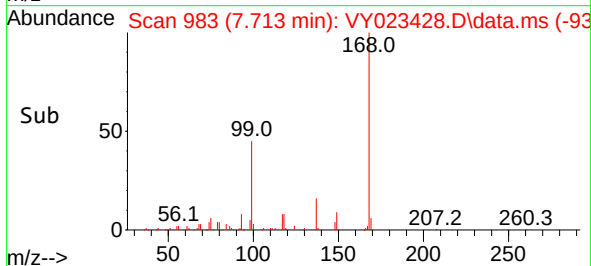
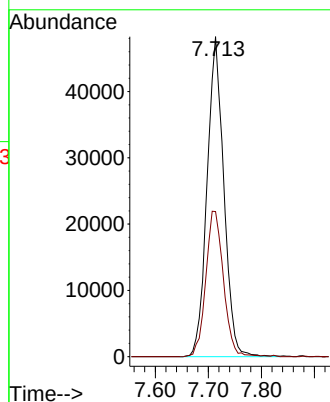
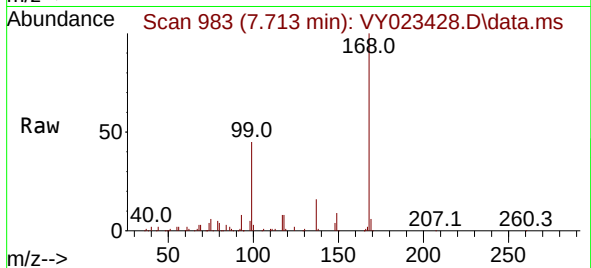




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023428.D
Acq: 10 Oct 2025 10:56

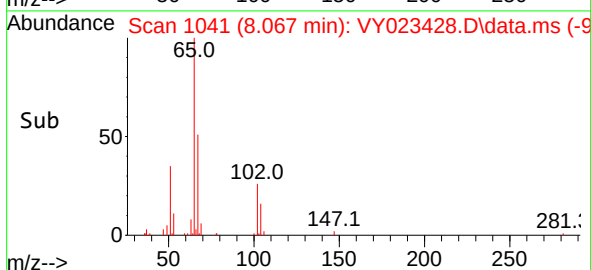
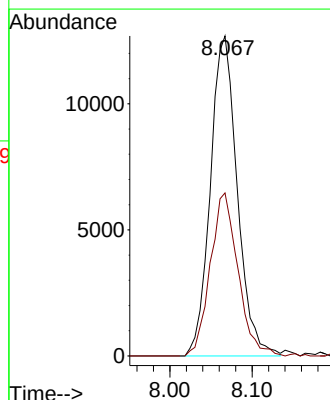
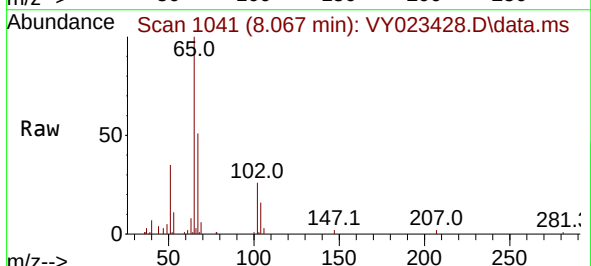
Instrument :
MSVOA_Y
ClientSampleId :
HL-WESTRE

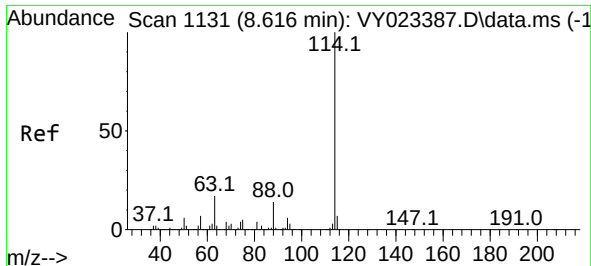
Tgt Ion:168 Resp: 105658
Ion Ratio Lower Upper
168 100
99 45.4 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 32.722 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023428.D
Acq: 10 Oct 2025 10:56

Tgt Ion: 65 Resp: 28911
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

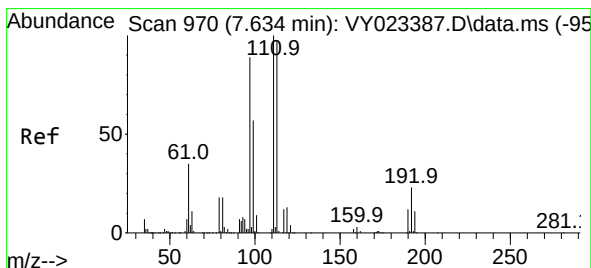
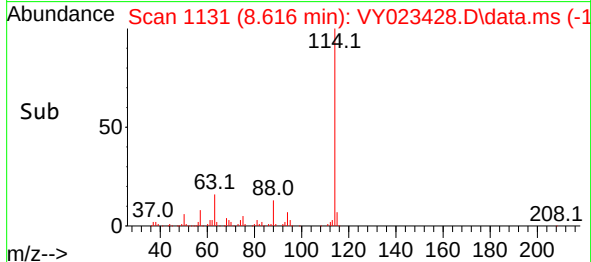
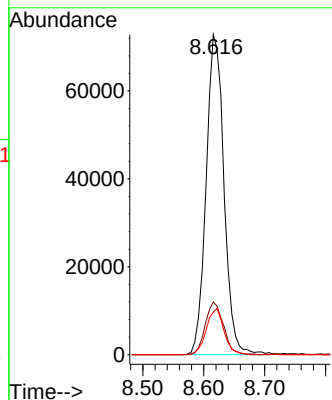
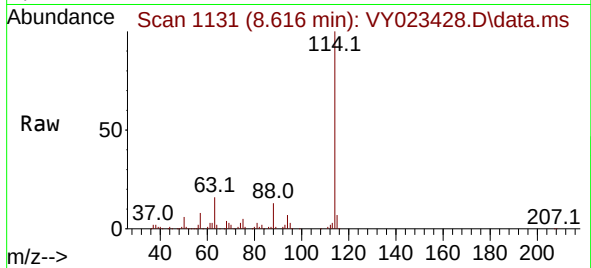




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023428.D
Acq: 10 Oct 2025 10:56

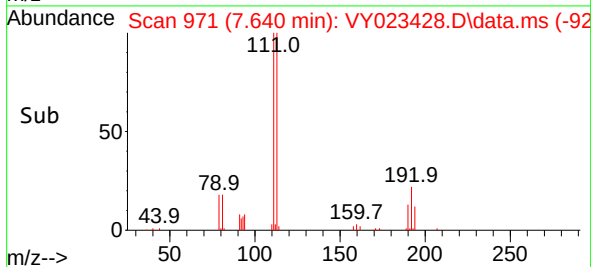
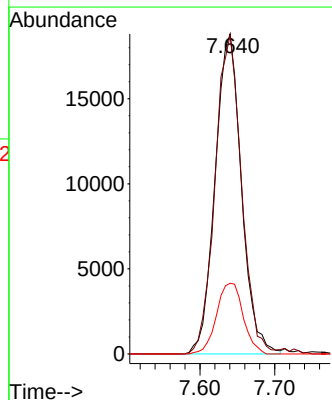
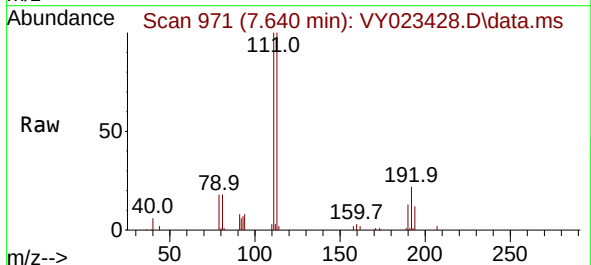
Instrument :
MSVOA_Y
ClientSampleId :
HL-WESTRE

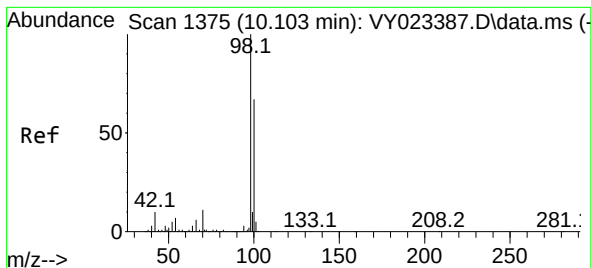
Tgt Ion:114 Resp: 148701
Ion Ratio Lower Upper
114 100
63 16.4 0.0 34.2
88 13.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.495 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023428.D
Acq: 10 Oct 2025 10:56

Tgt Ion:113 Resp: 46137
Ion Ratio Lower Upper
113 100
111 99.7 81.8 122.6
192 22.4 18.0 27.0





#50

Toluene-d8

Concen: 46.195 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023428.D

Acq: 10 Oct 2025 10:56

Instrument :

MSVOA_Y

ClientSampleId :

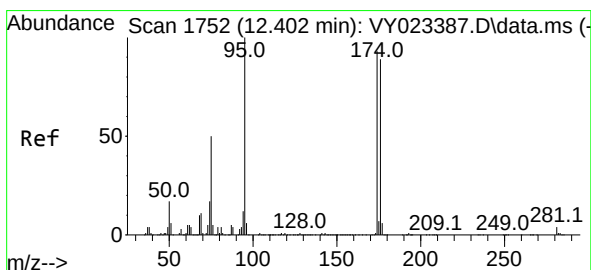
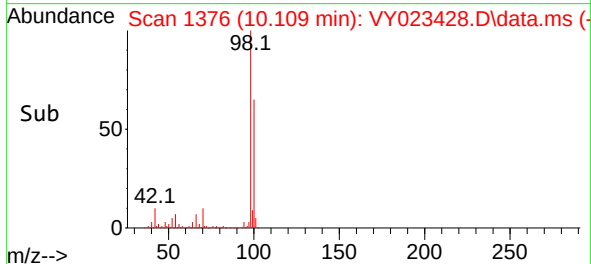
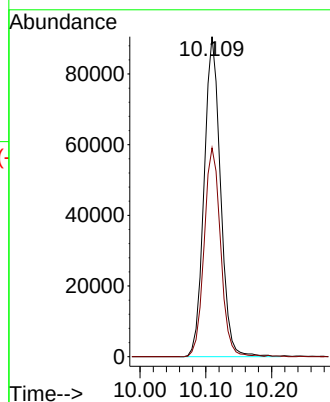
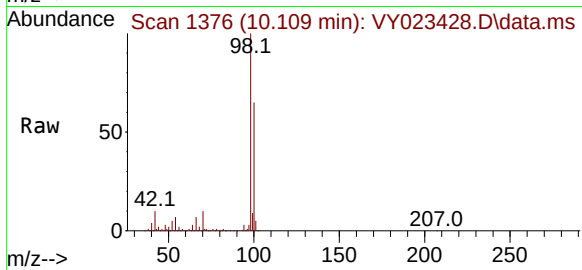
HL-WESTRE

Tgt Ion: 98 Resp: 157186

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 24.767 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023428.D

Acq: 10 Oct 2025 10:56

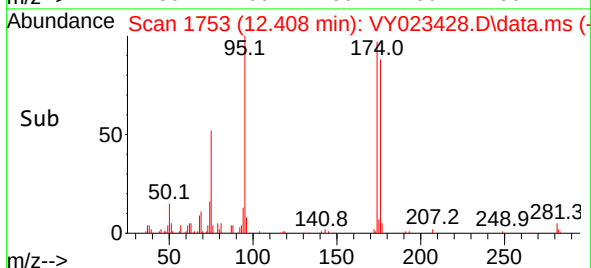
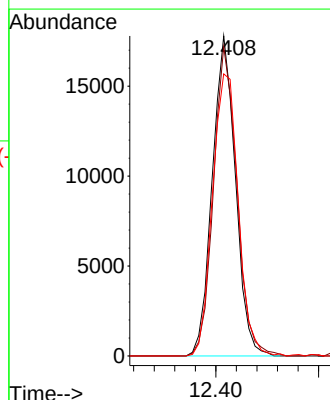
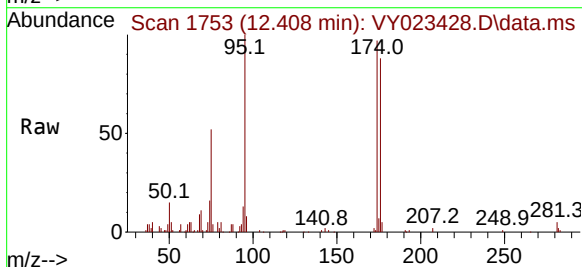
Tgt Ion: 95 Resp: 27823

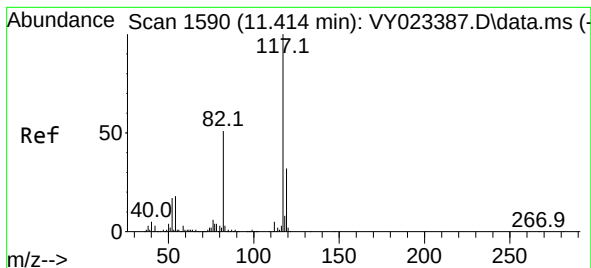
Ion Ratio Lower Upper

95 100

174 97.8 0.0 192.8

176 97.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023428.D

Acq: 10 Oct 2025 10:56

Instrument :

MSVOA_Y

ClientSampleId :

HL-WESTRE

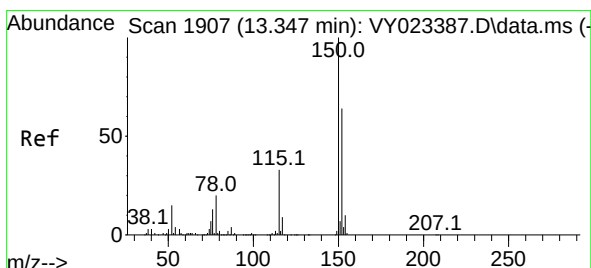
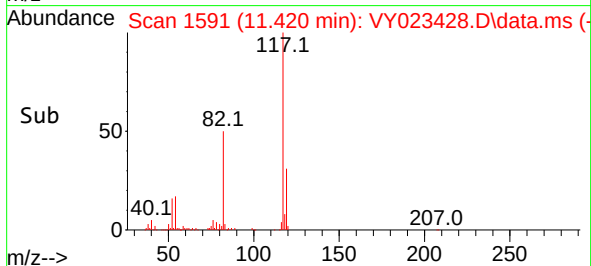
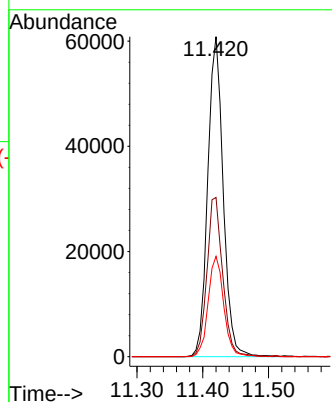
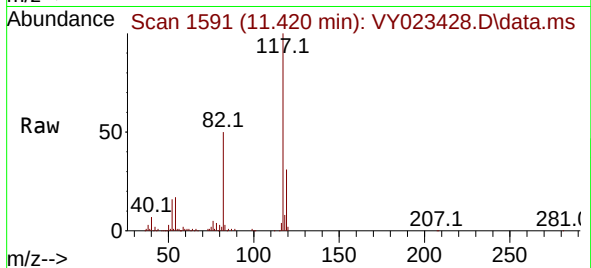
Tgt Ion:117 Resp: 99669

Ion Ratio Lower Upper

117 100

82 49.7 41.0 61.4

119 31.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023428.D

Acq: 10 Oct 2025 10:56

Tgt Ion:152 Resp: 24491

Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.2

150 161.6 0.0 347.4

