

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023397.D
 Acq On : 08 Oct 2025 11:01
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 09 03:09:35 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	7.707	168	618501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1154606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1098201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	487745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301919	58.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.760%
35) Dibromofluoromethane	7.634	113	382070	53.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.700%
50) Toluene-d8	10.109	98	1328901	50.298	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.408	95	443594	50.855	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.700%

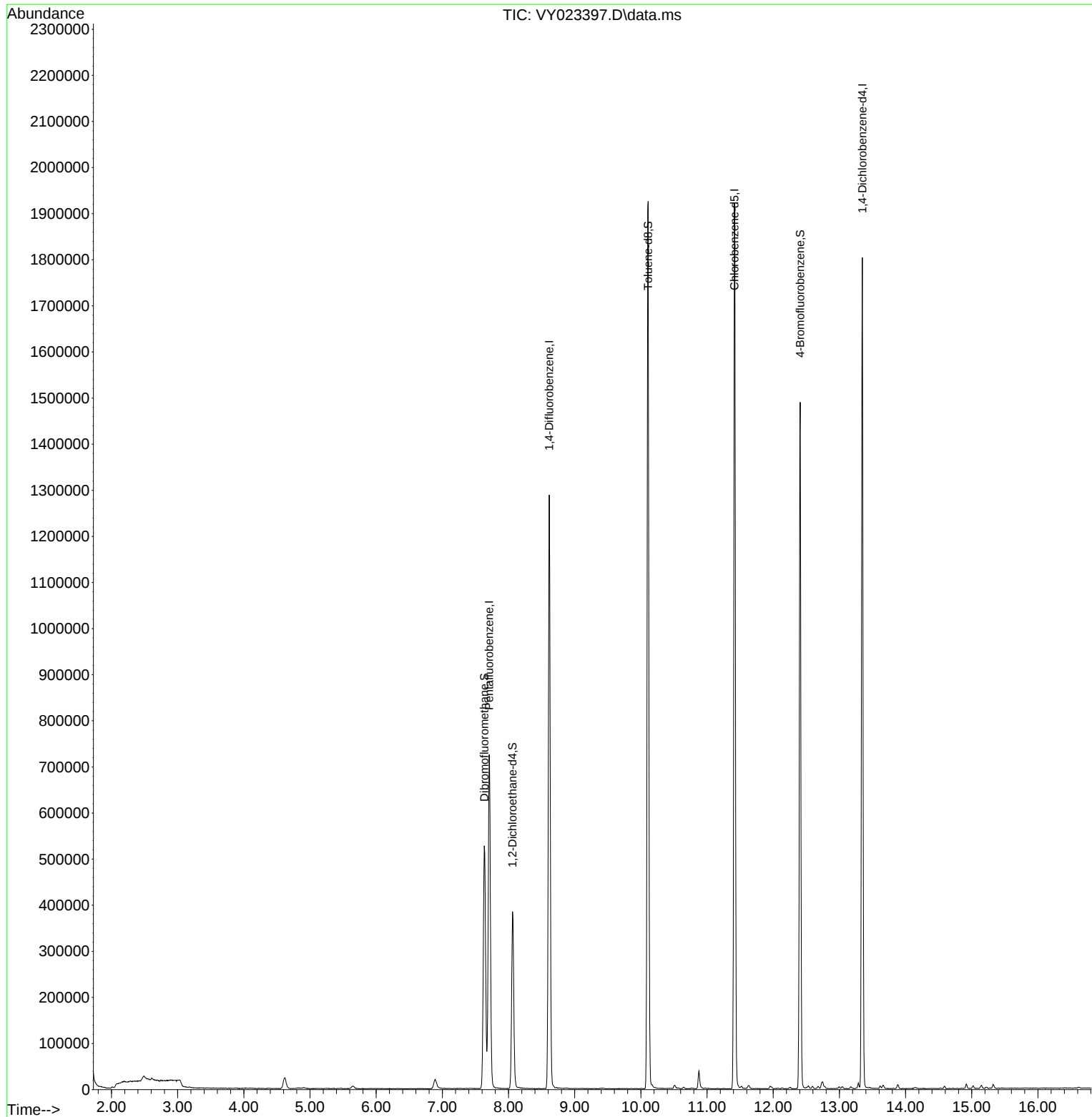
Target Compounds	Qvalue

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

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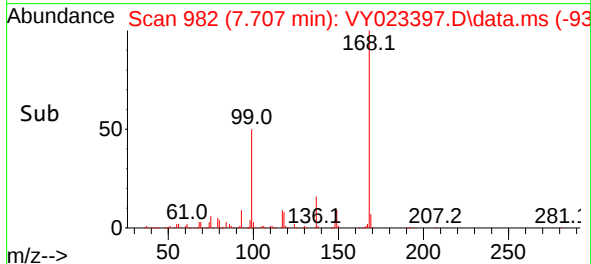
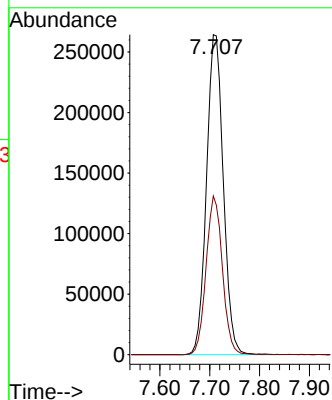
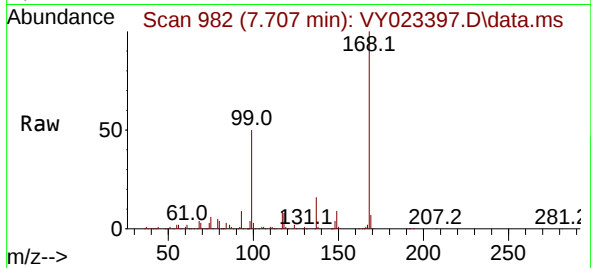




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

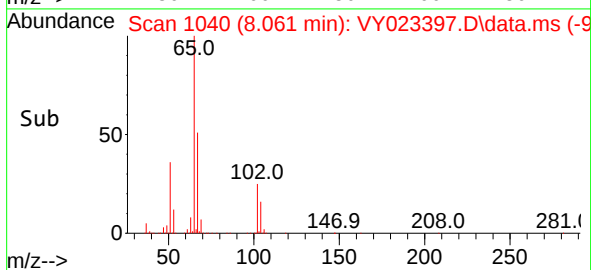
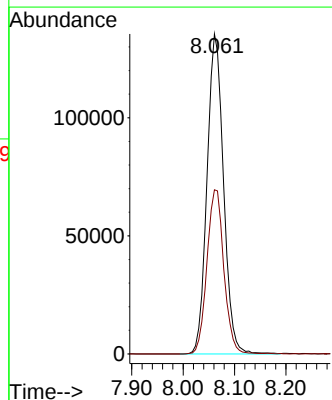
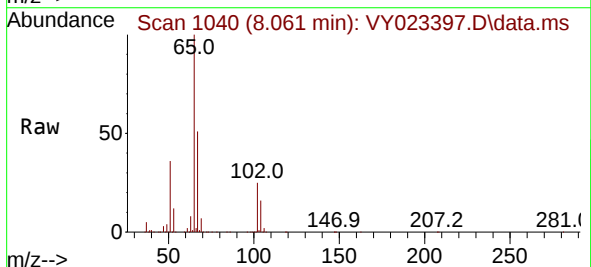
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

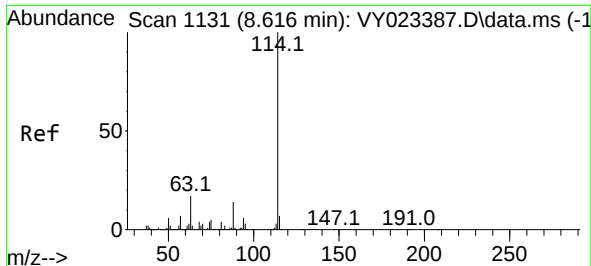
Tgt Ion:168 Resp: 618501
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 58.376 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion: 65 Resp: 301919
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

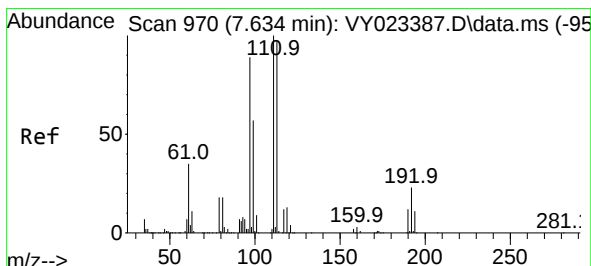
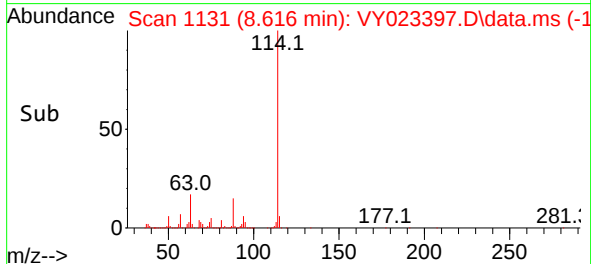
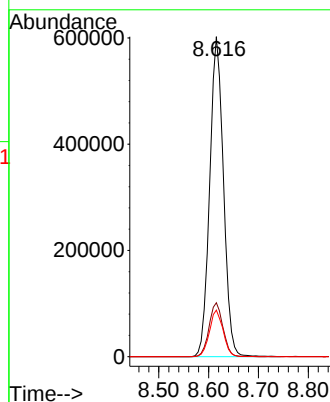
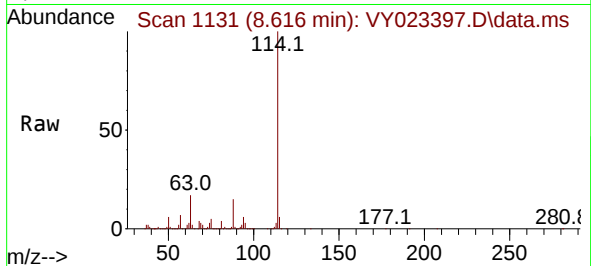




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

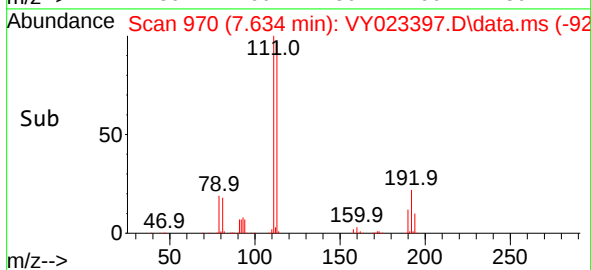
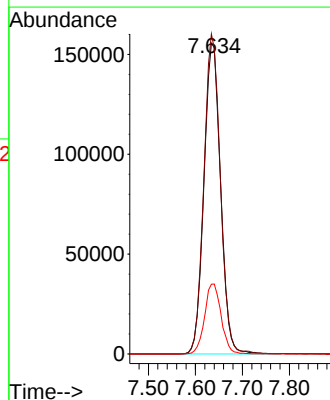
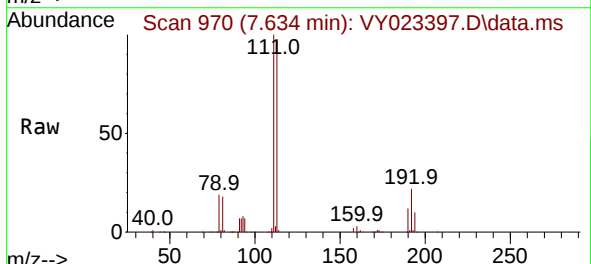
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

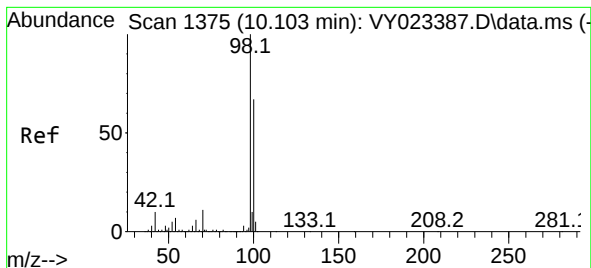
Tgt Ion:114 Resp: 1154606
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 53.854 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion:113 Resp: 382070
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 22.4 18.0 27.0





#50

Toluene-d8

Concen: 50.298 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

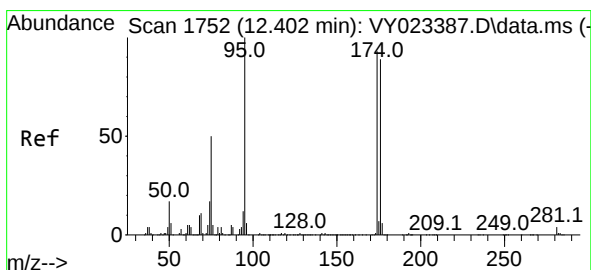
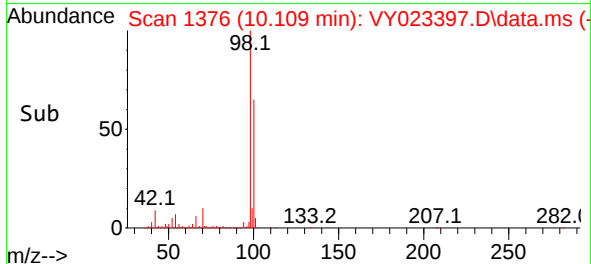
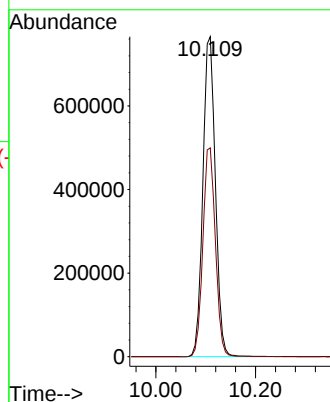
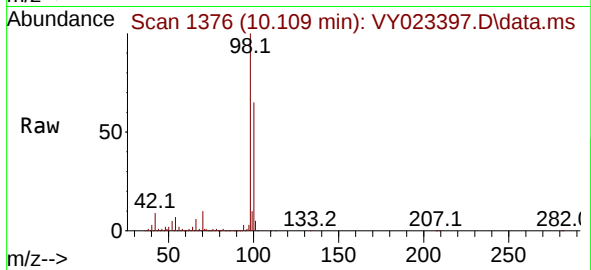
VIBLK

Tgt Ion: 98 Resp: 1328901

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 50.855 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

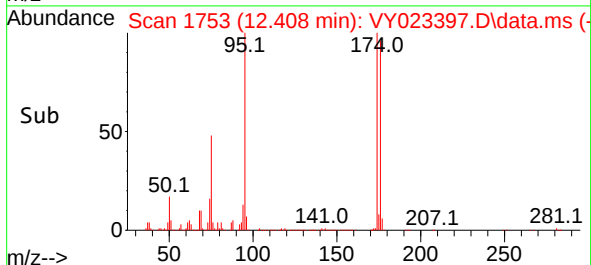
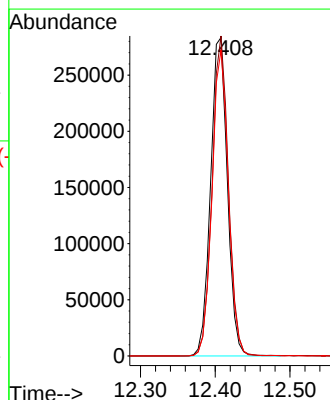
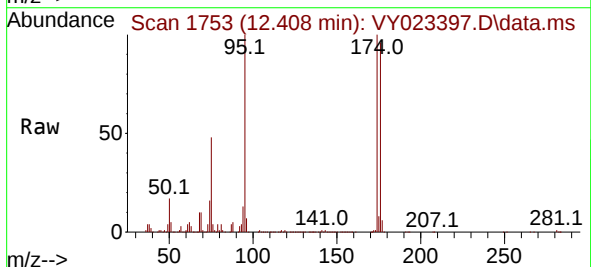
Tgt Ion: 95 Resp: 443594

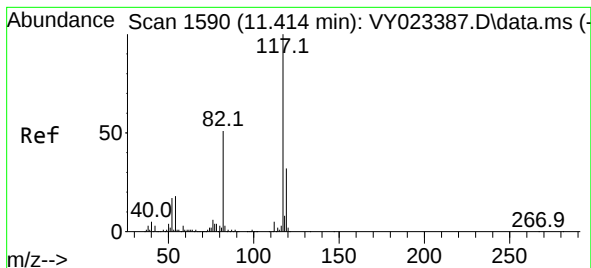
Ion Ratio Lower Upper

95 100

174 97.4 0.0 192.8

176 93.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

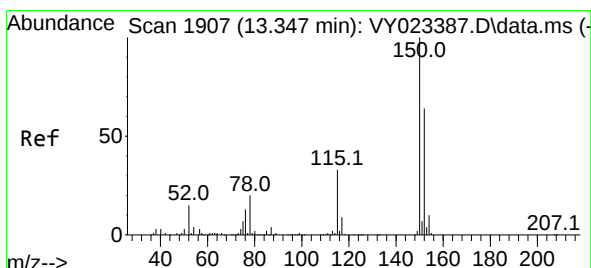
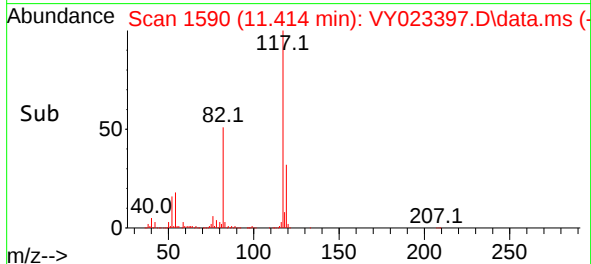
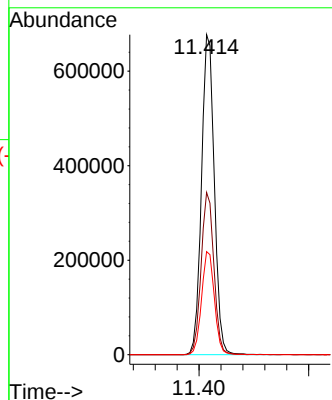
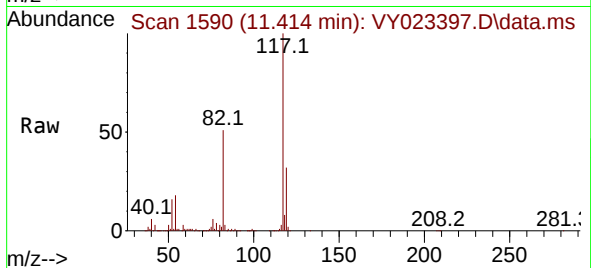
Tgt Ion:117 Resp: 1098201

Ion Ratio Lower Upper

117 100

82 50.7 41.0 61.4

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

Tgt Ion:152 Resp: 487745

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 156.3 0.0 347.4

