

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023398.D
 Acq On : 08 Oct 2025 11:24
 Operator : SY/MD
 Sample : Q3303-01
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HL-WEST

Quant Time: Oct 09 03:10:05 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	127568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	196292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	158506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54504	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	46927	43.991	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.980%
35) Dibromofluoromethane	7.634	113	67132	55.659	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.320%
50) Toluene-d8	10.109	98	212872	47.392	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.780%
62) 4-Bromofluorobenzene	12.407	95	53299	35.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.880%

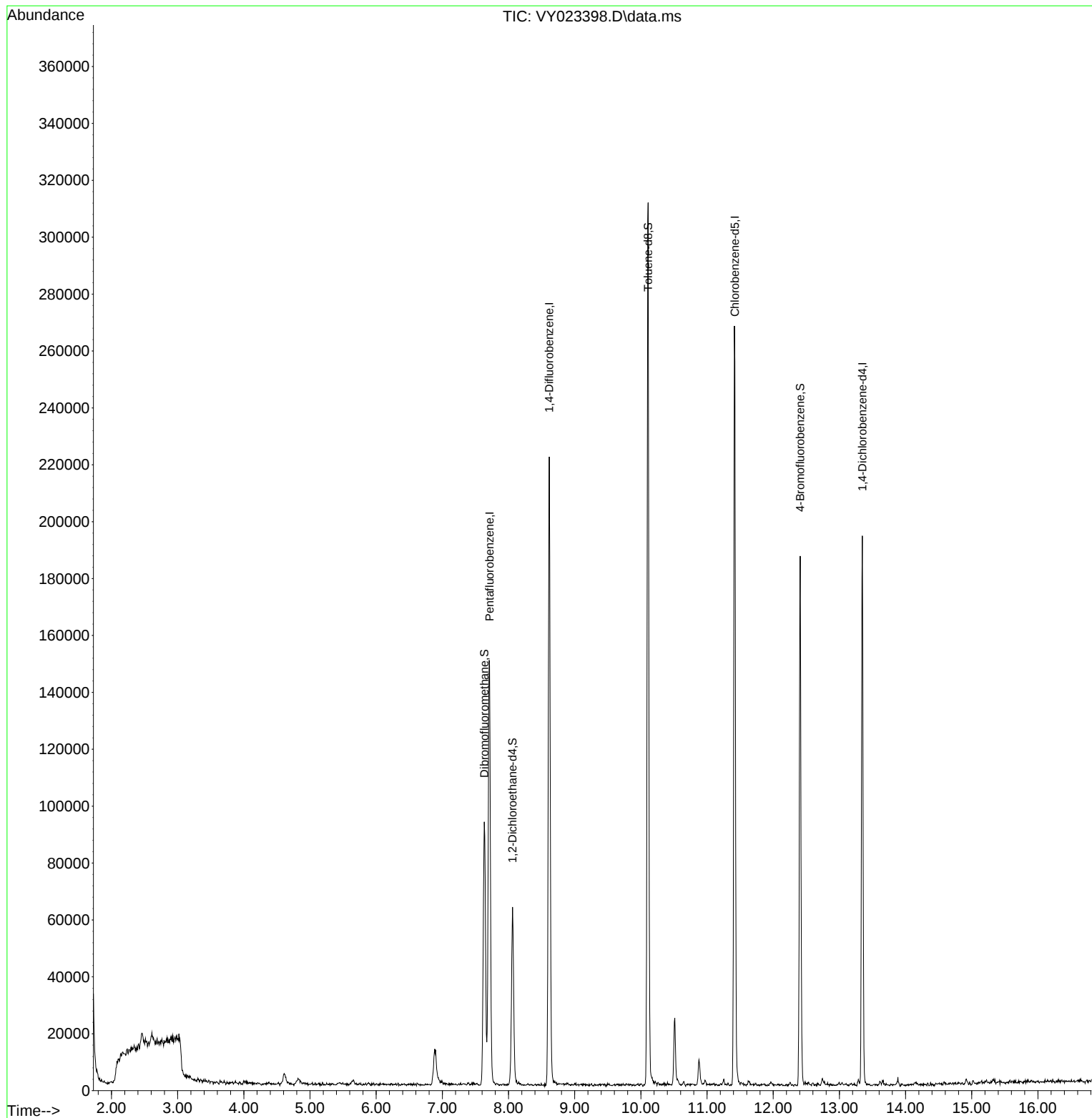
Target Compounds	Qvalue

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

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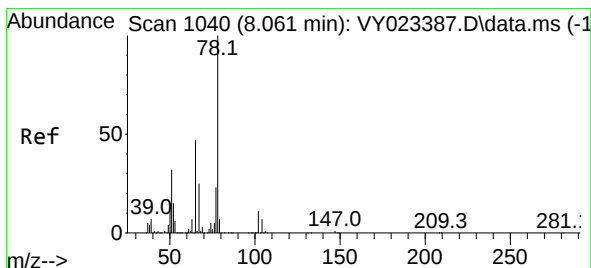
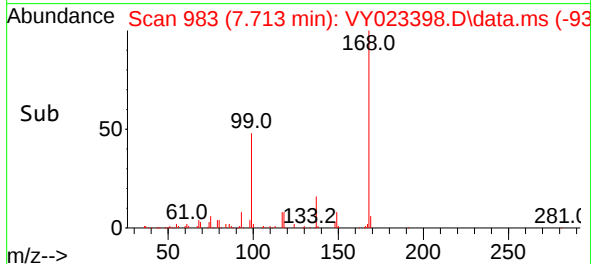
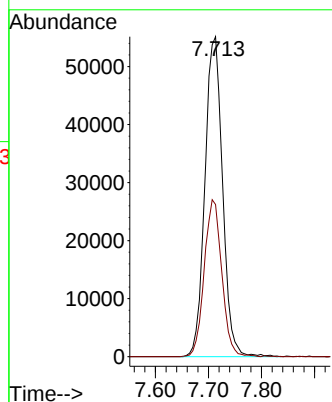
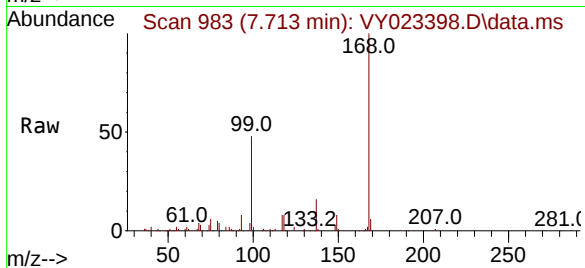




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023398.D
Acq: 08 Oct 2025 11:24

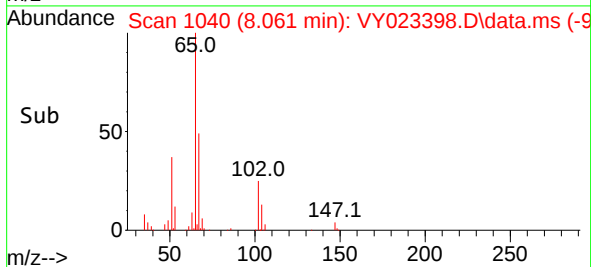
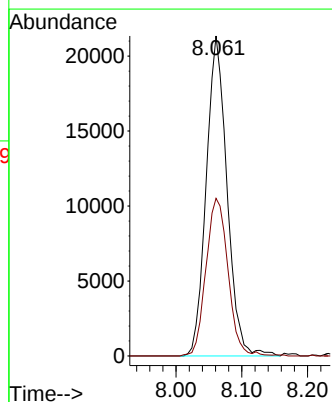
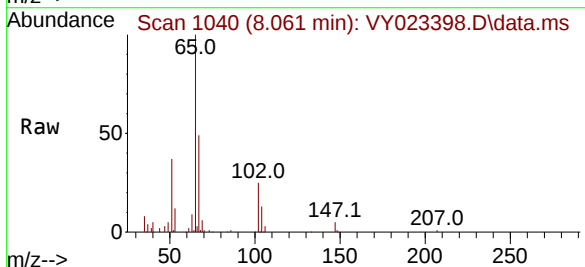
Instrument :
MSVOA_Y
ClientSampleId :
HL-WEST

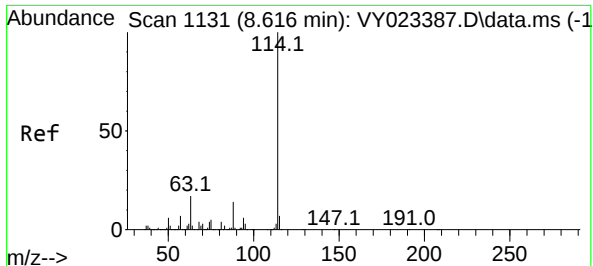
Tgt Ion:168 Resp: 127568
Ion Ratio Lower Upper
168 100
99 47.5 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 43.991 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023398.D
Acq: 08 Oct 2025 11:24

Tgt Ion: 65 Resp: 46927
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8

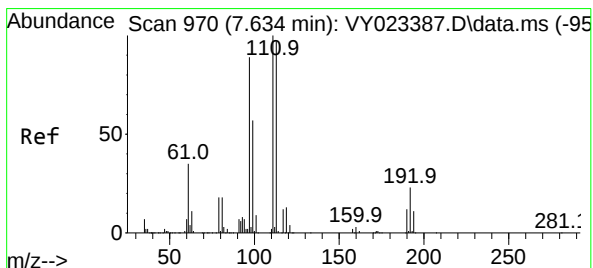
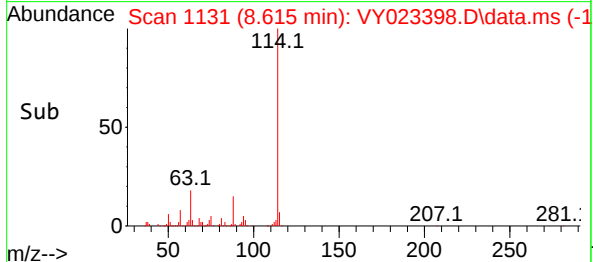
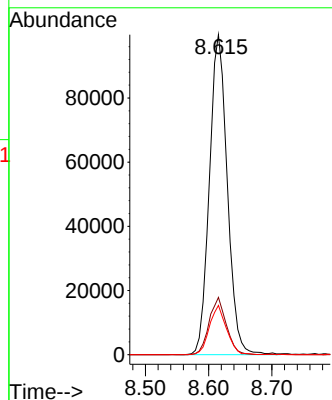
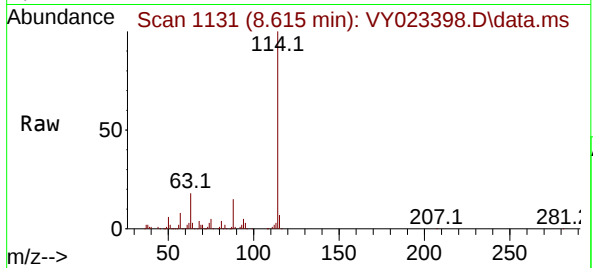




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023398.D
Acq: 08 Oct 2025 11:24

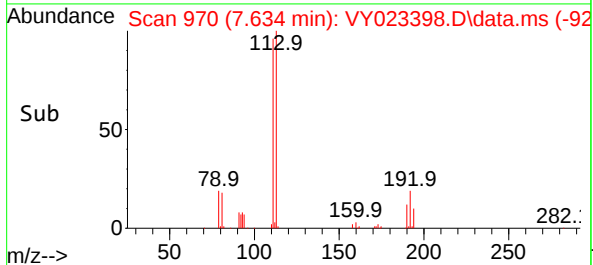
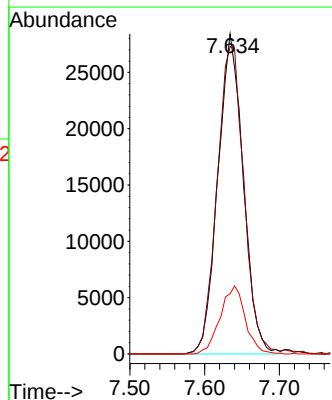
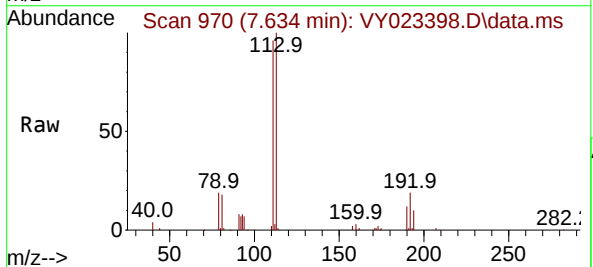
Instrument :
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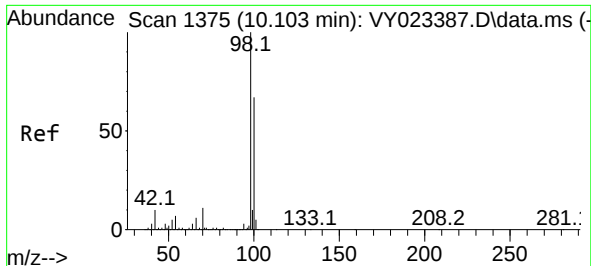
Tgt Ion:114 Resp: 196292
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.2
88 15.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.659 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023398.D
Acq: 08 Oct 2025 11:24

Tgt Ion:113 Resp: 67132
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 21.1 18.0 27.0

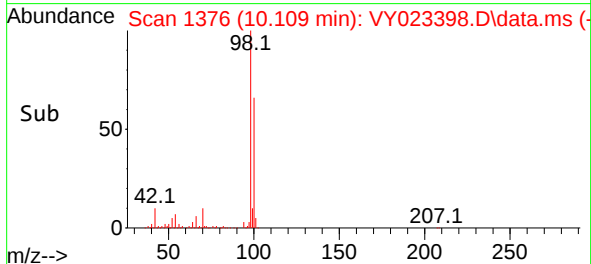
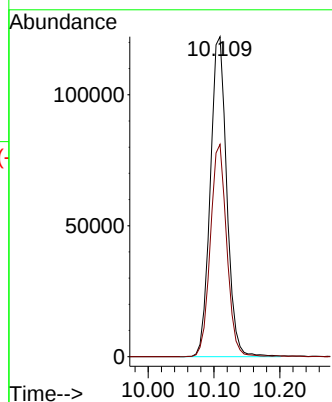
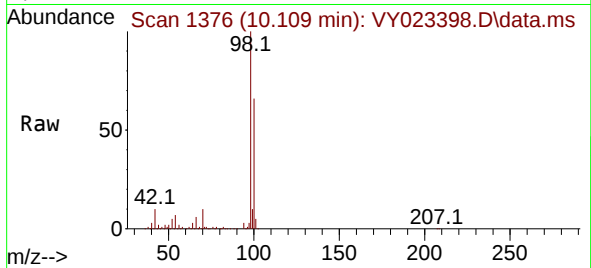




#50
Toluene-d8
Concen: 47.392 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023398.D
Acq: 08 Oct 2025 11:24

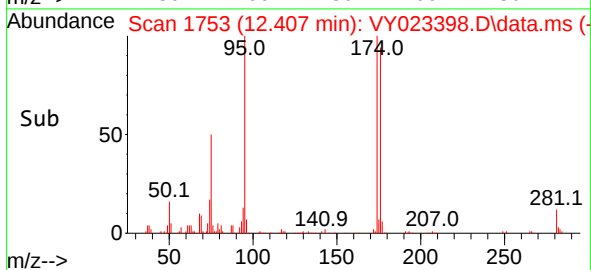
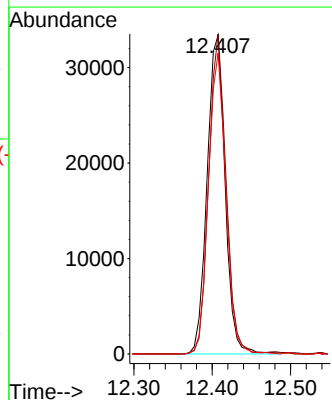
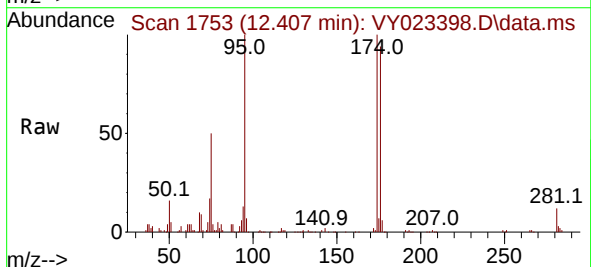
Instrument :
MSVOA_Y
ClientSampleId :
HL-WEST

Tgt Ion: 98 Resp: 212872
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 35.942 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023398.D
Acq: 08 Oct 2025 11:24

Tgt Ion: 95 Resp: 53299
Ion Ratio Lower Upper
95 100
174 96.1 0.0 192.8
176 91.9 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: VY023398.D

Acq: 08 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

HL-WEST

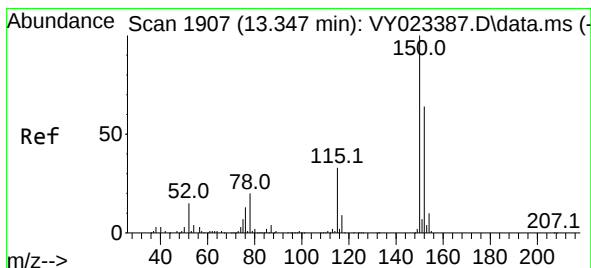
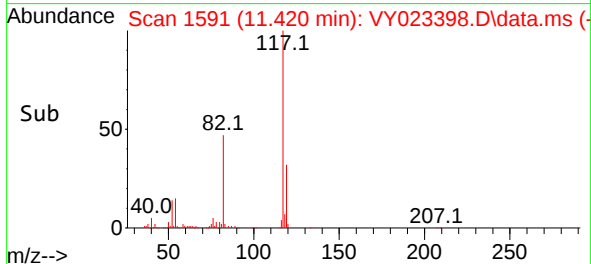
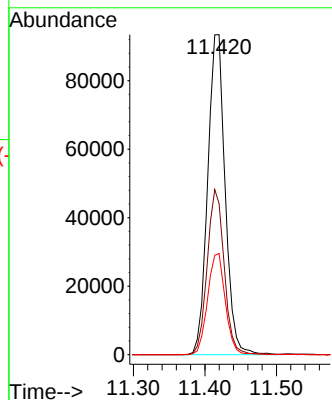
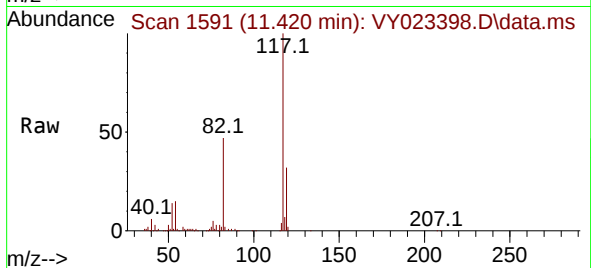
Tgt Ion:117 Resp: 158506

Ion Ratio Lower Upper

117 100

82 47.2 41.0 61.4

119 31.6 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: VY023398.D

Acq: 08 Oct 2025 11:24

Tgt Ion:152 Resp: 54504

Ion Ratio Lower Upper

152 100

115 52.8 27.1 81.2

150 155.1 0.0 347.4

