

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022904.D
 Acq On : 02 Jul 2025 11:42
 Operator : SY/MD
 Sample : VY0702SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBL01

Quant Time: Jul 03 02:18:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	327303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	599654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251367	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	179996	49.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.540%
35) Dibromofluoromethane	7.640	113	188102	50.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.109	98	752943	51.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.408	95	260821	55.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.560%

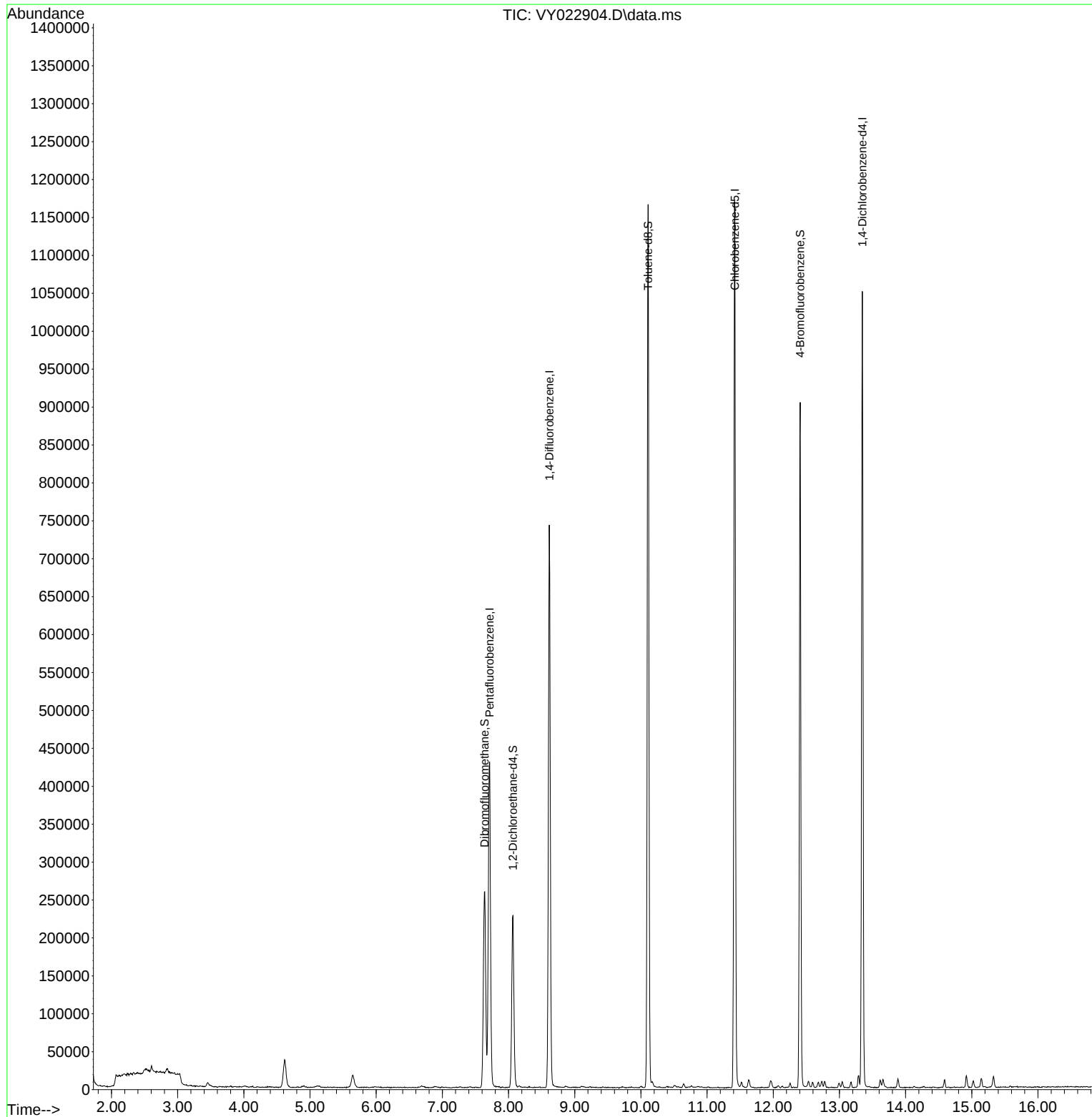
Target Compounds	Qvalue

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

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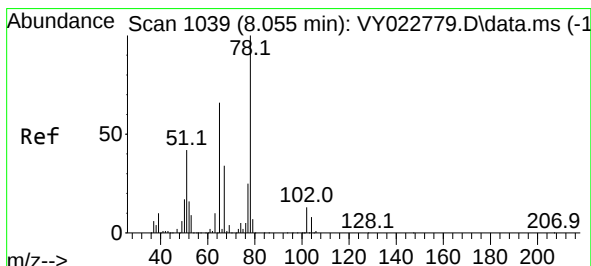
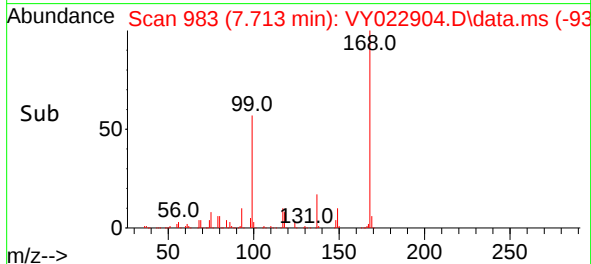
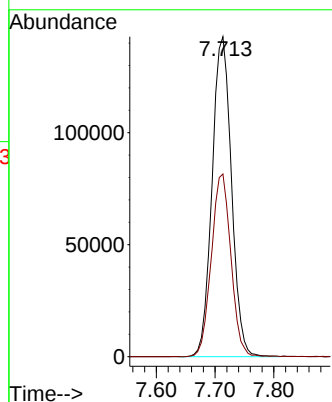
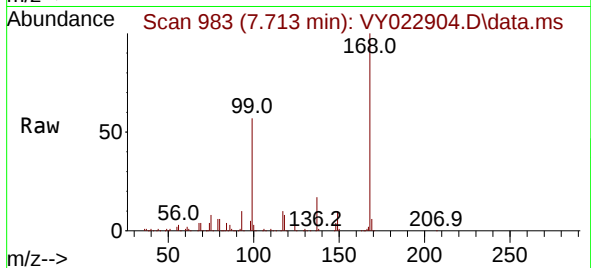




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

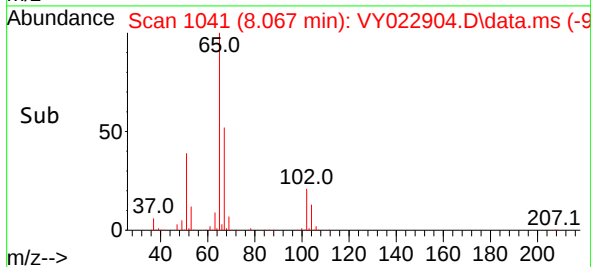
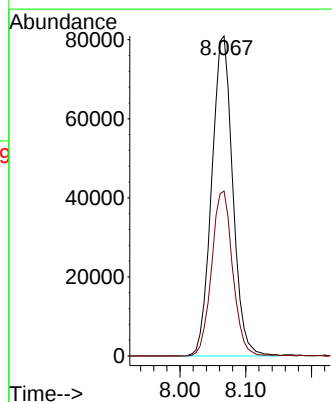
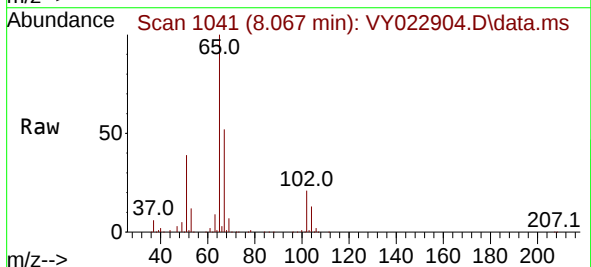
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Tgt Ion:168 Resp: 327303
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.273 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 65 Resp: 179996
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

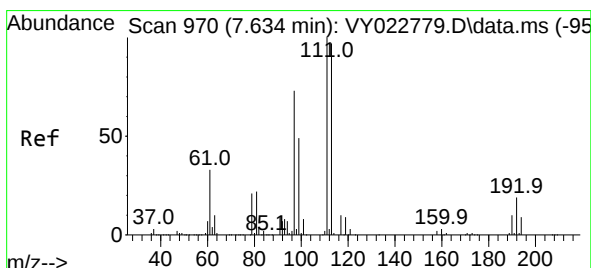
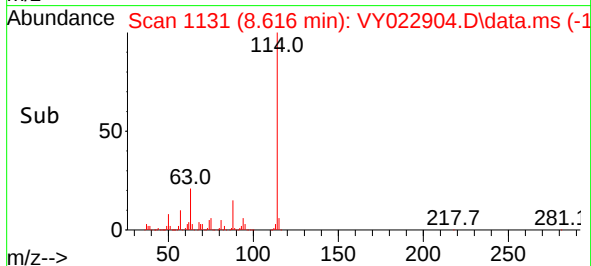
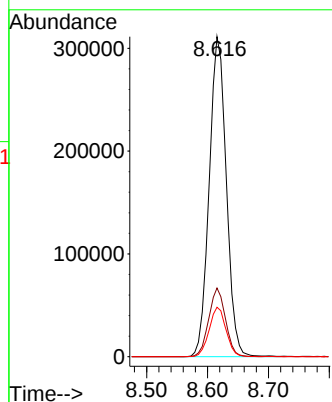
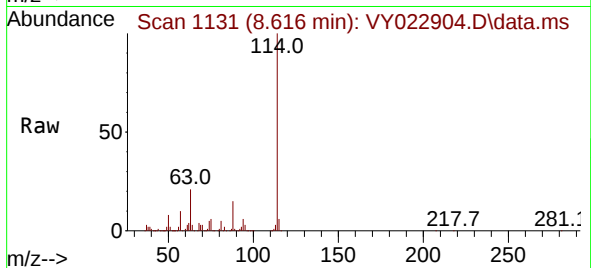
Tgt Ion:114 Resp: 608180

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.857 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

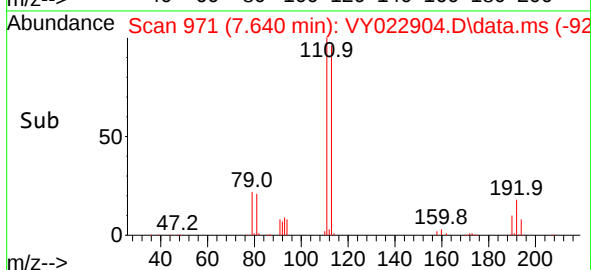
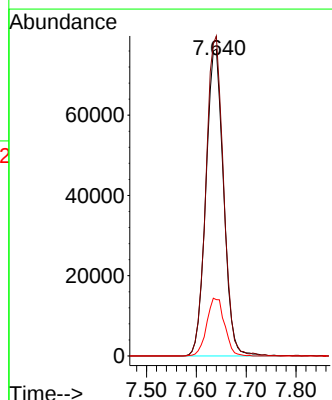
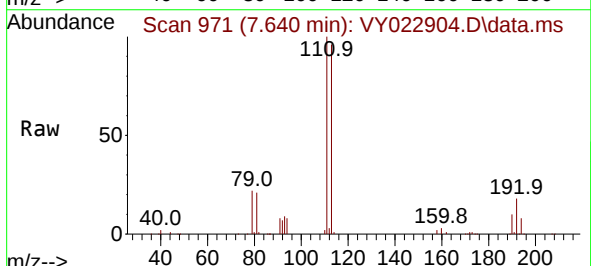
Tgt Ion:113 Resp: 188102

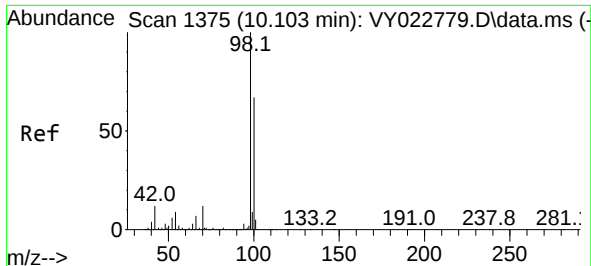
Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 19.0 14.2 21.2

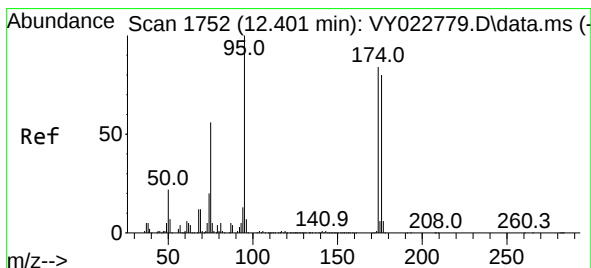
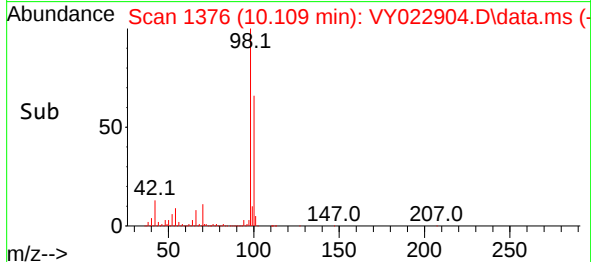
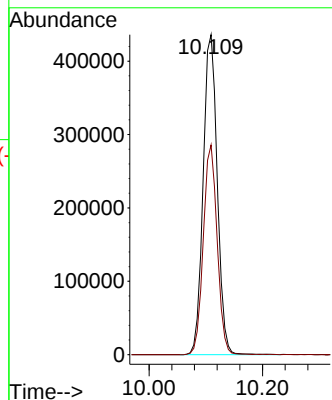
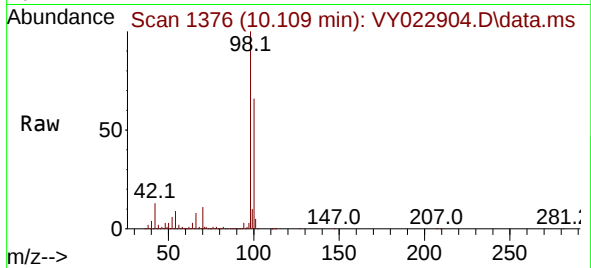




#50
Toluene-d8
Concen: 51.302 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

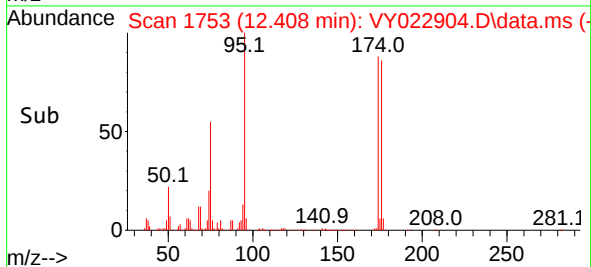
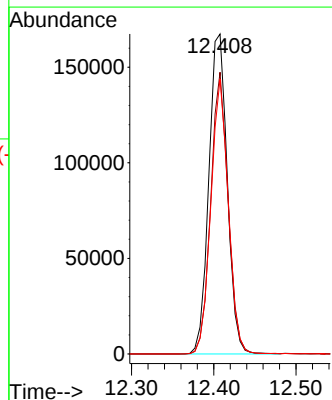
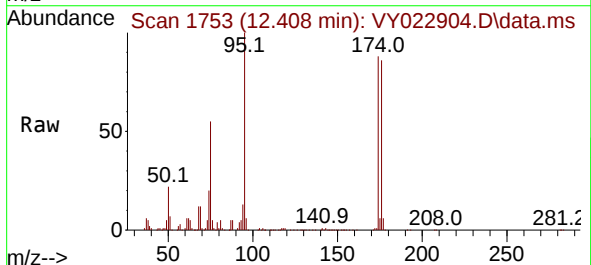
Instrument :
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VY0702SBL01

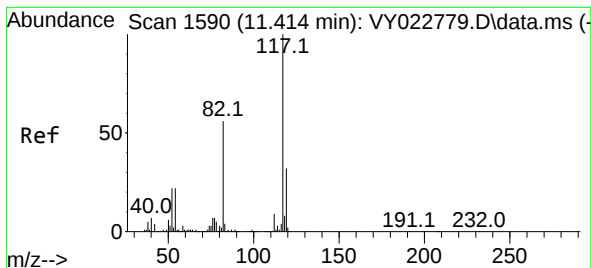
Tgt Ion: 98 Resp: 752943
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 95 Resp: 260821
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

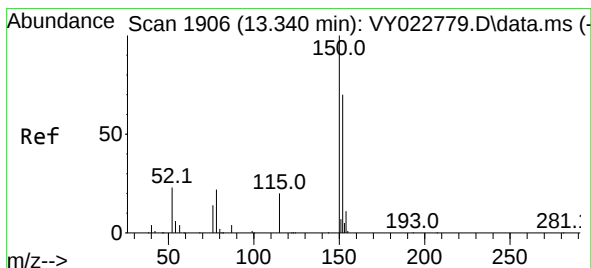
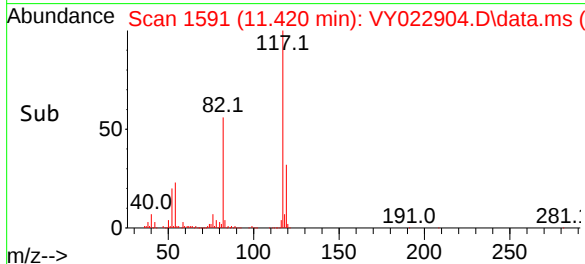
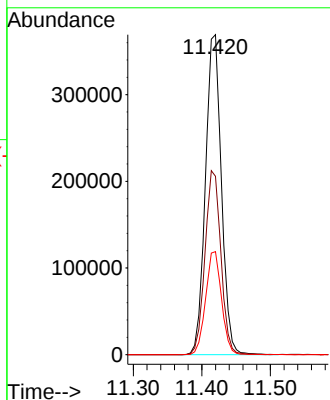
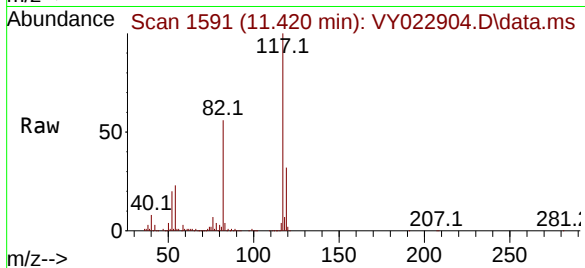
Tgt Ion:117 Resp: 599654

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Tgt Ion:152 Resp: 251367

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 157.7 0.0 349.6

