

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022860.D
 Acq On : 27 Jun 2025 14:33
 Operator : SY/MD
 Sample : Q2436-05
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-84

Quant Time: Jun 27 23:18:32 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	345289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	569419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	446463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	110820	28.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.520%
35) Dibromofluoromethane	7.640	113	146388	42.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.540%
50) Toluene-d8	10.109	98	654319	47.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.408	95	174028	39.396	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.800%

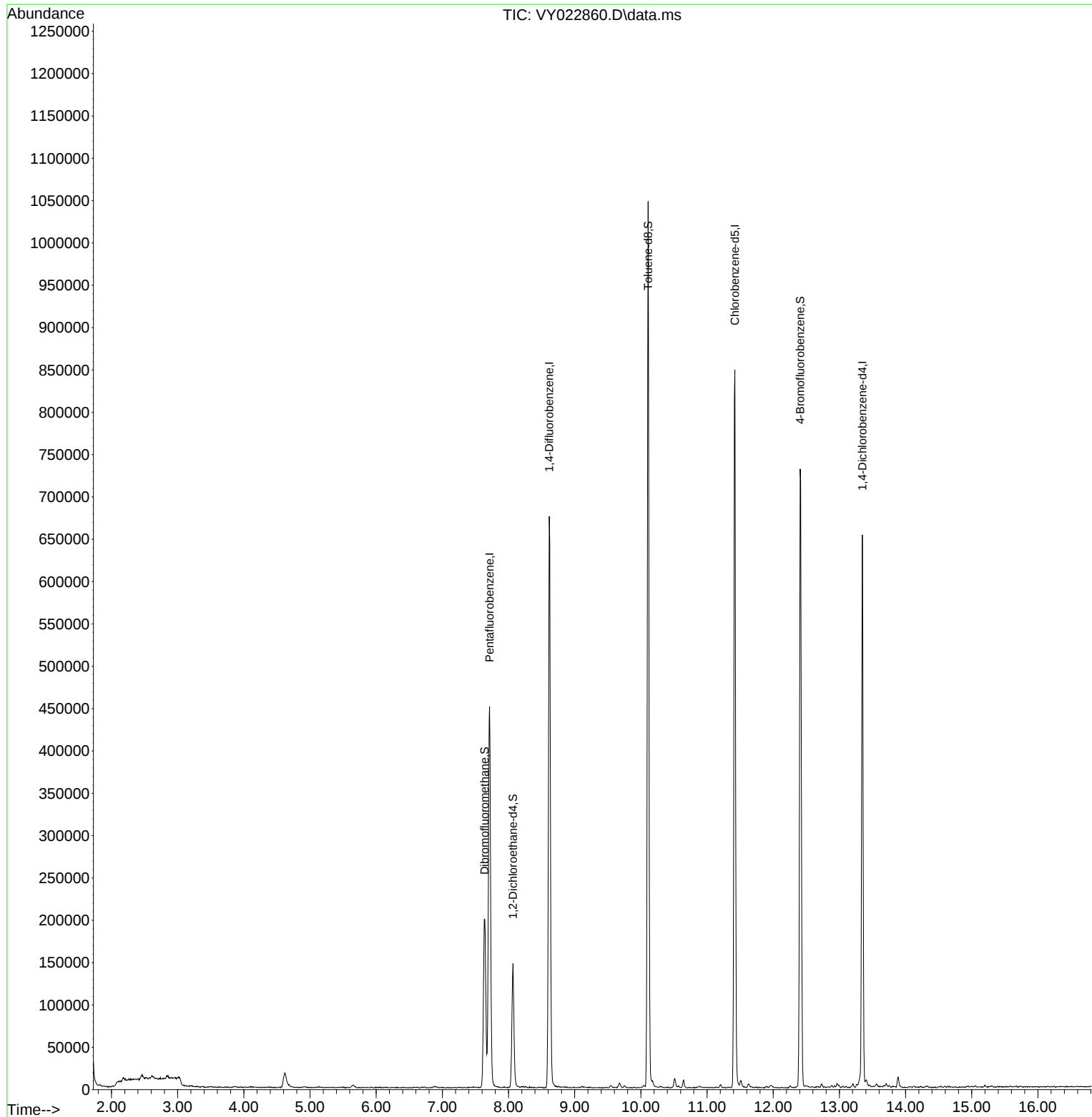
Target Compounds	Qvalue

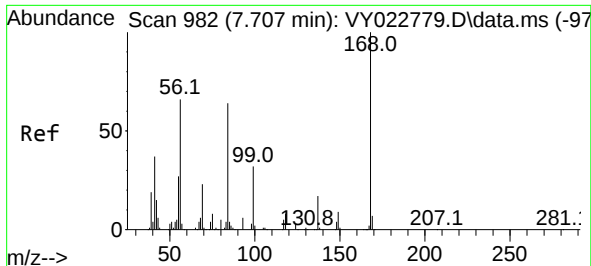
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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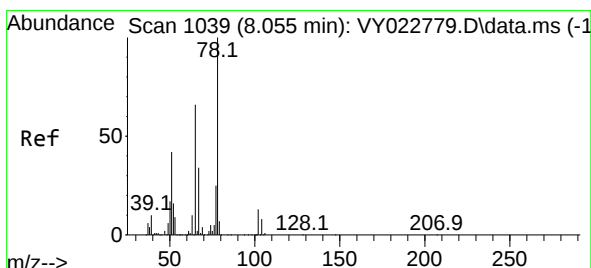
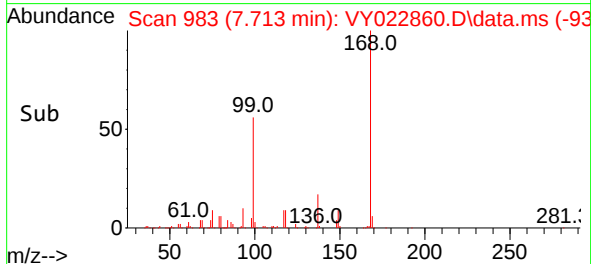
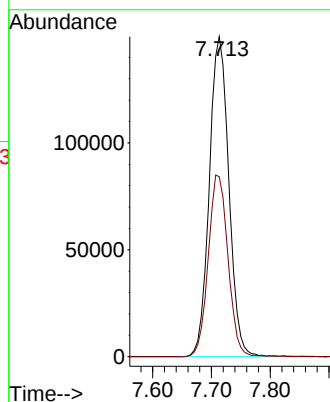
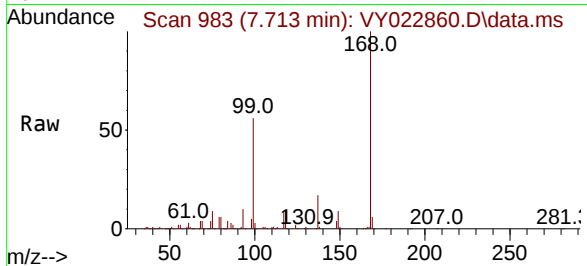




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

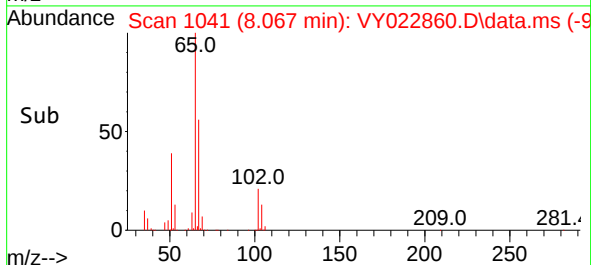
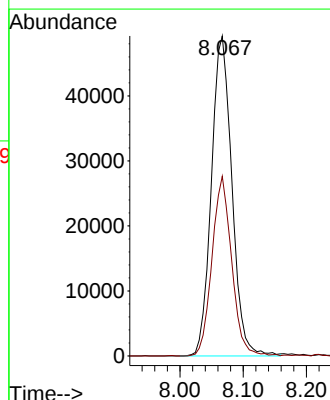
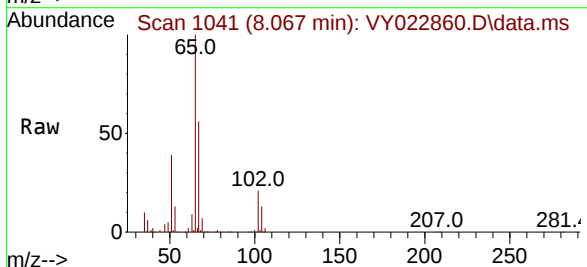
Instrument :
MSVOA_Y
ClientSampleId :
TP-84

Tgt Ion:168 Resp: 345289
Ion Ratio Lower Upper
168 100
99 56.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 28.756 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion: 65 Resp: 110820
Ion Ratio Lower Upper
65 100
67 53.9 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: VY022860.D

Acq: 27 Jun 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-84

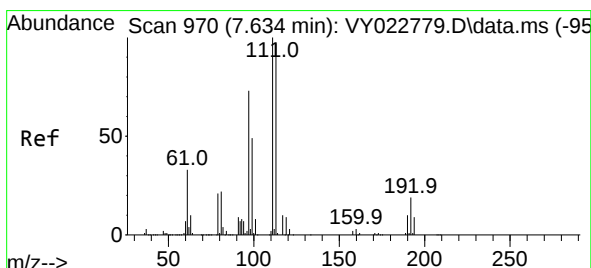
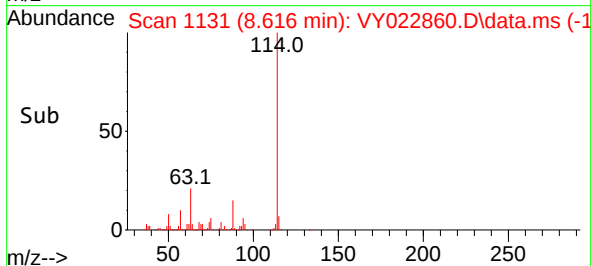
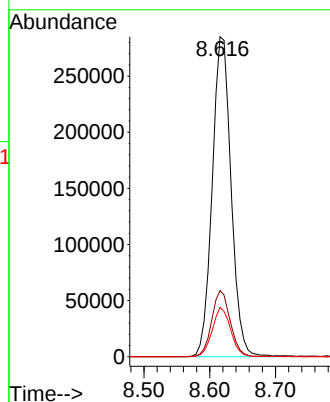
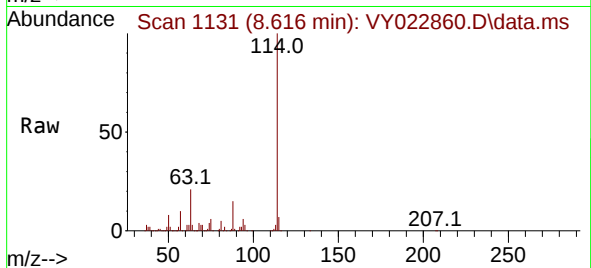
Tgt Ion:114 Resp: 569419

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 42.273 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022860.D

Acq: 27 Jun 2025 14:33

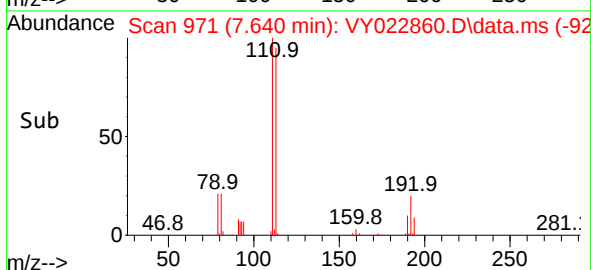
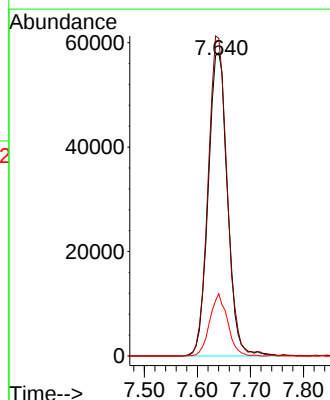
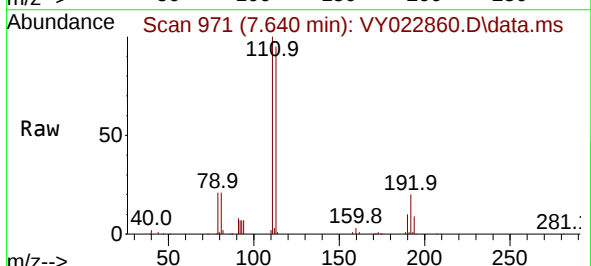
Tgt Ion:113 Resp: 146388

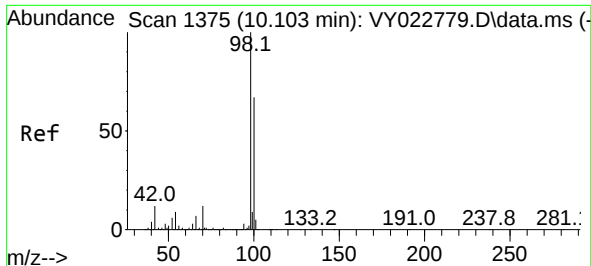
Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 19.1 14.2 21.2

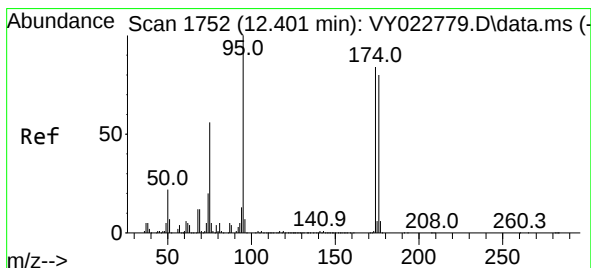
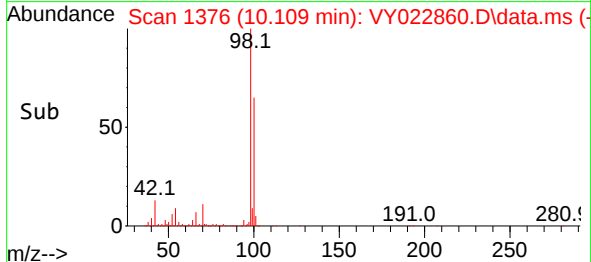
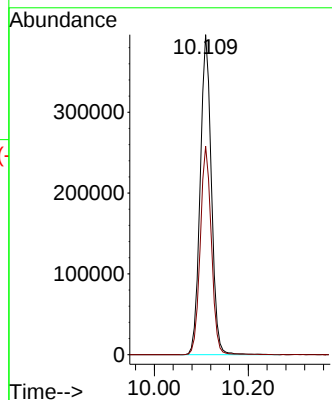
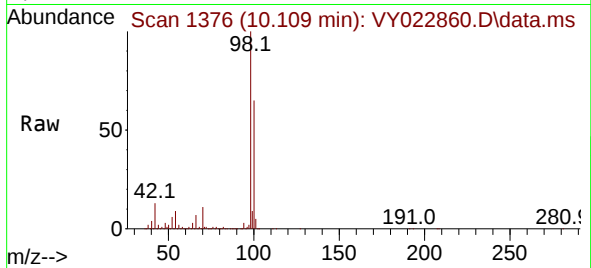




#50
Toluene-d8
Concen: 47.617 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

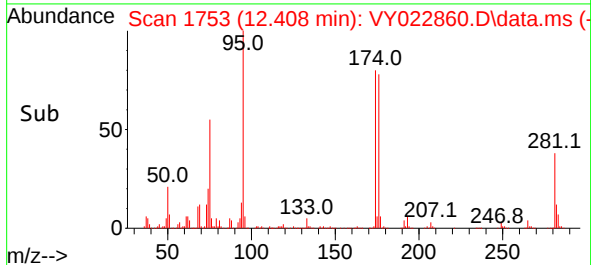
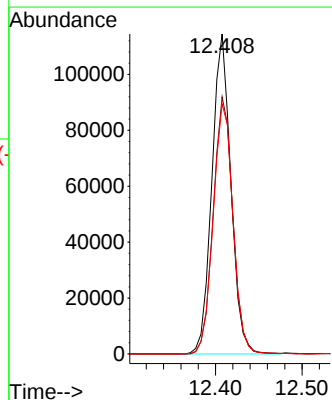
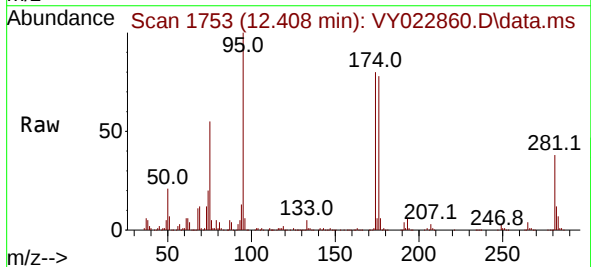
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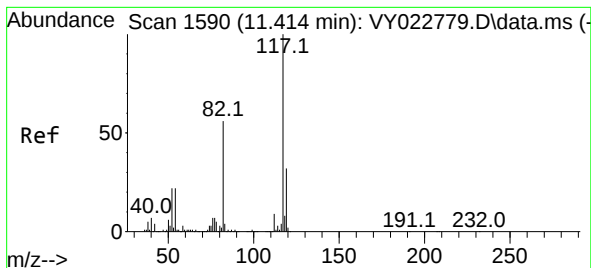
Tgt Ion: 98 Resp: 654319
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.396 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion: 95 Resp: 174028
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.0
176 81.7 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: VY022860.D

Acq: 27 Jun 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-84

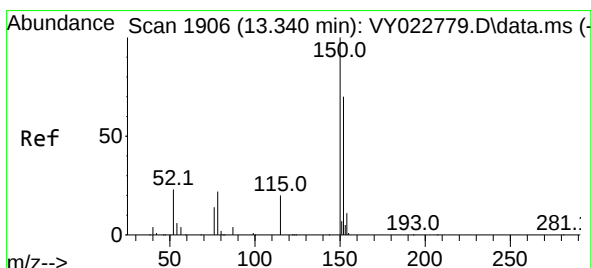
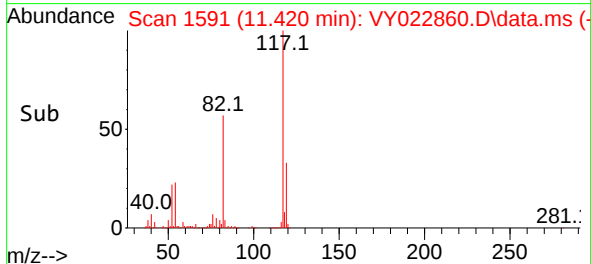
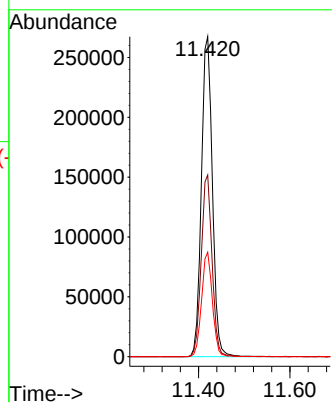
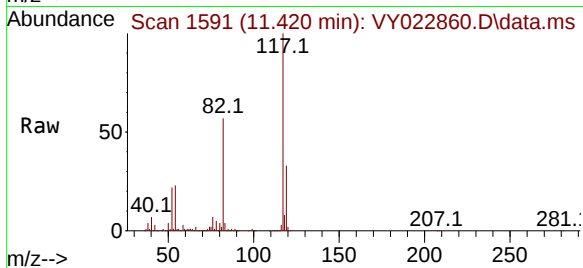
Tgt Ion:117 Resp: 446463

Ion Ratio Lower Upper

117 100

82 56.8 44.6 66.8

119 32.6 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: VY022860.D

Acq: 27 Jun 2025 14:33

Tgt Ion:152 Resp: 154660

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 157.0 0.0 349.6

