

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023221.D
 Acq On : 28 Aug 2025 13:07
 Operator : SY/MD
 Sample : Q2970-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP10

Quant Time: Aug 29 02:09:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	574871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1047322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	927823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	368013	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	289980	52.927	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.860%
35) Dibromofluoromethane	7.640	113	332550	53.065	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.140%
50) Toluene-d8	10.109	98	1239299	50.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.408	95	361466	45.910	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.820%

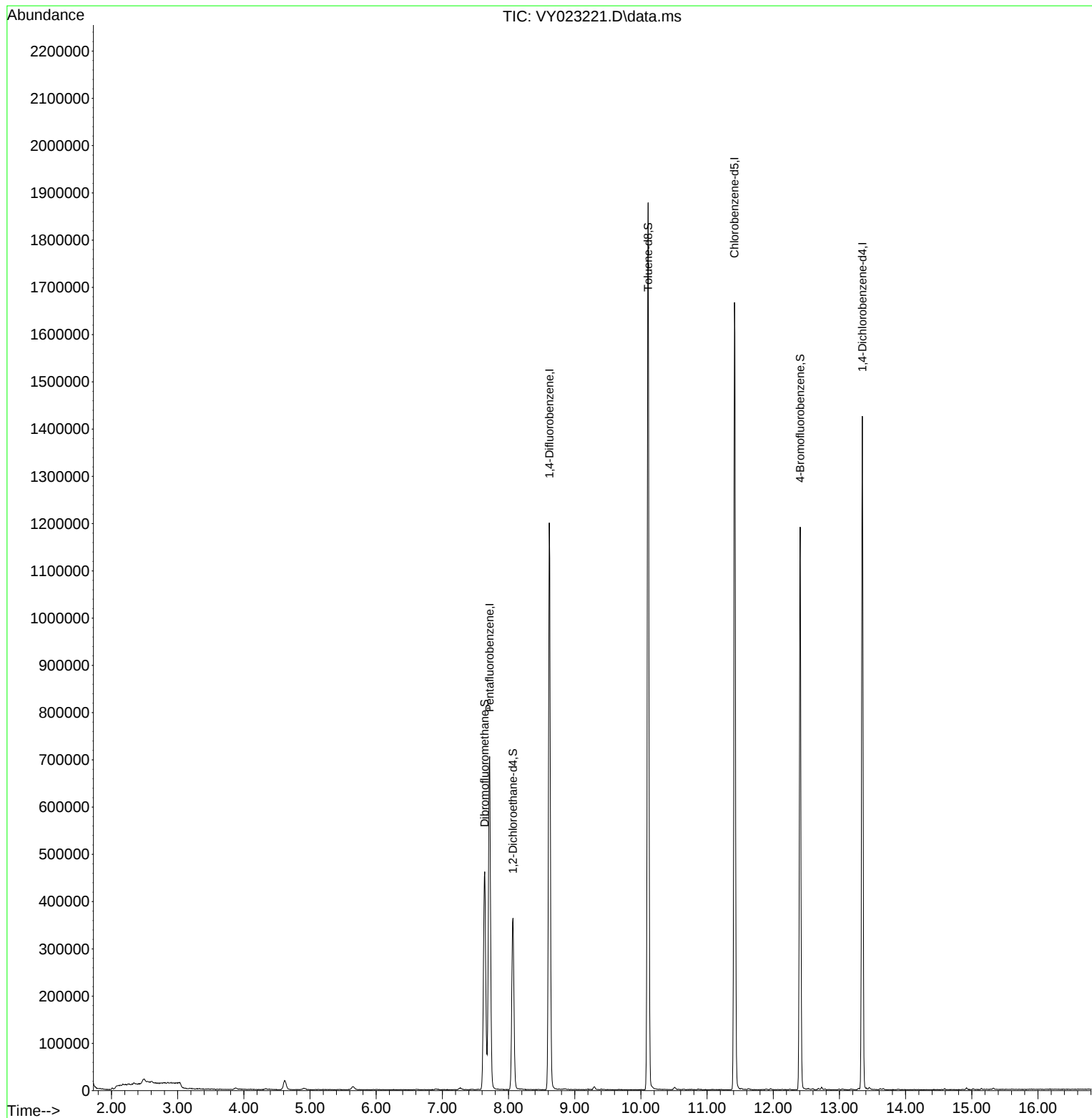
Target Compounds	Qvalue

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

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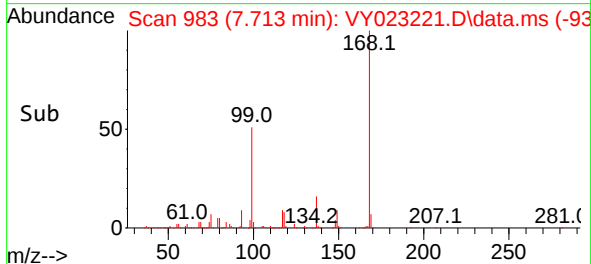
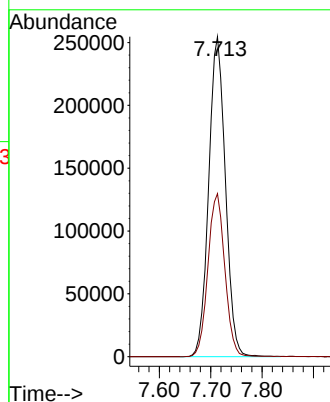
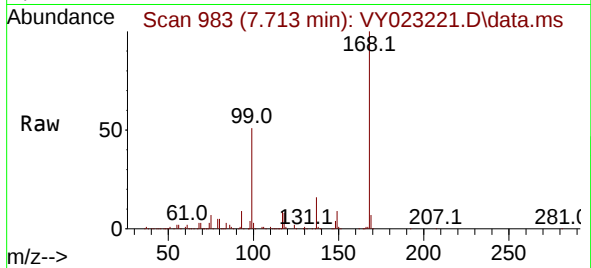




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

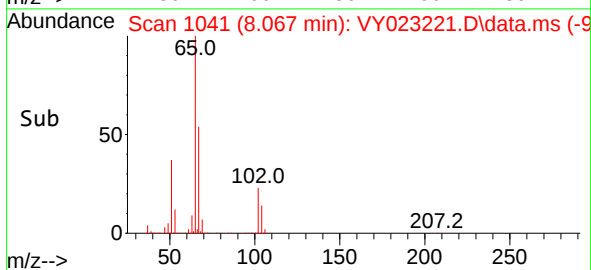
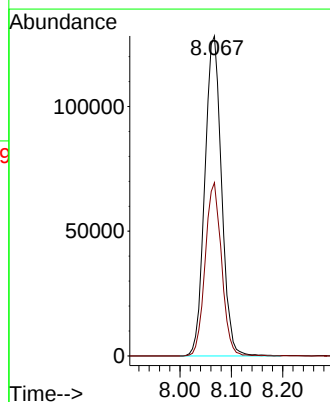
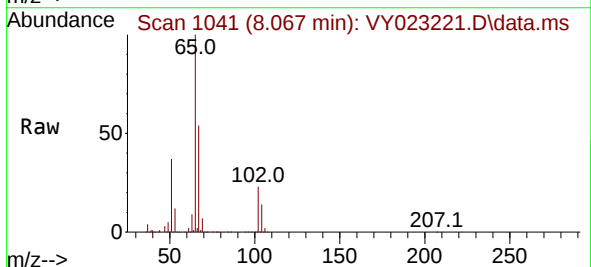
Instrument :
MSVOA_Y
ClientSampleId :
TP10

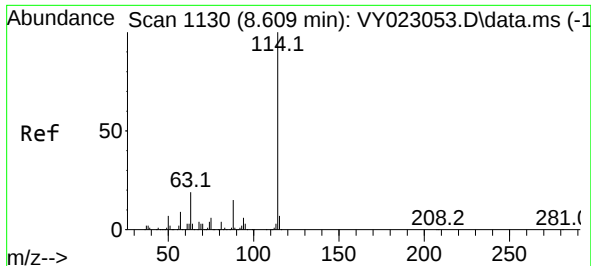
Tgt Ion:168 Resp: 574871
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 52.927 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 65 Resp: 289980
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

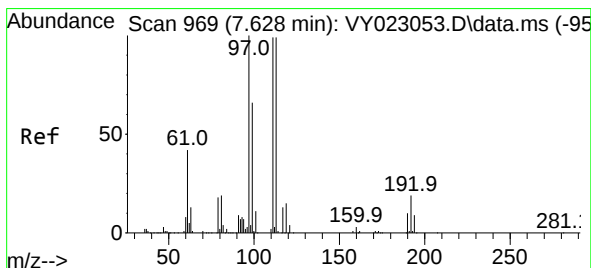
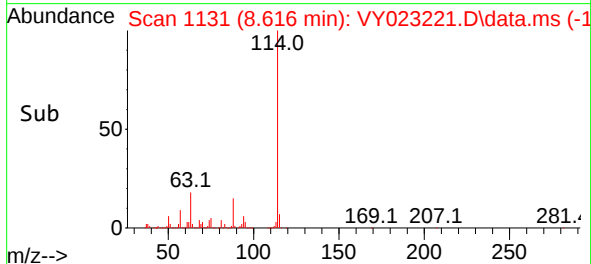
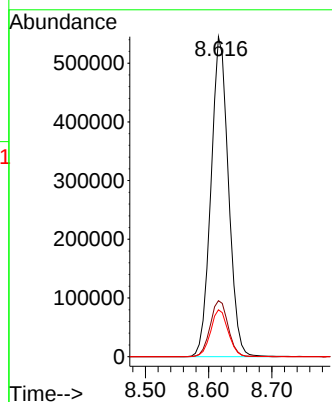
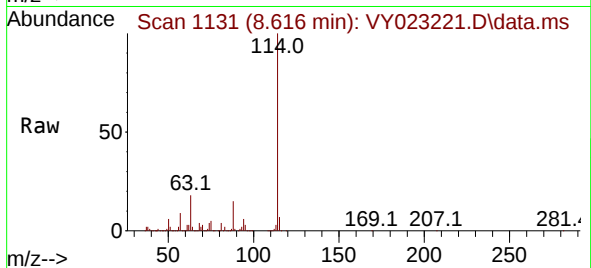




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

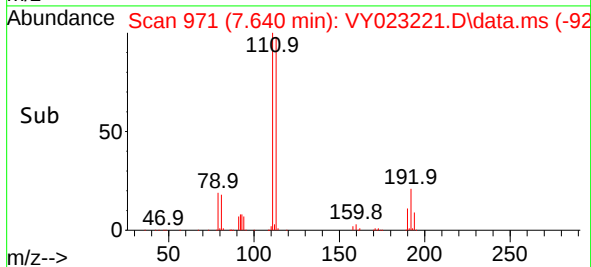
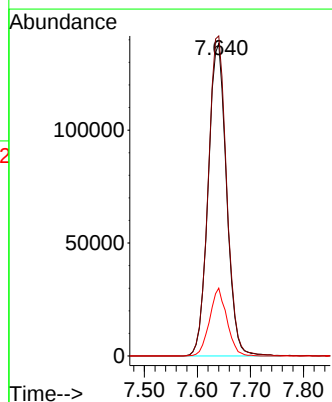
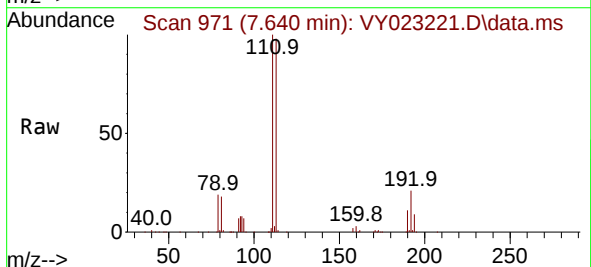
Instrument :
MSVOA_Y
ClientSampleId :
TP10

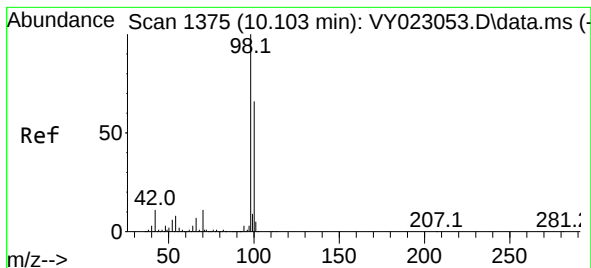
Tgt Ion:114 Resp: 1047322
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.065 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion:113 Resp: 332550
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 20.5 16.2 24.4

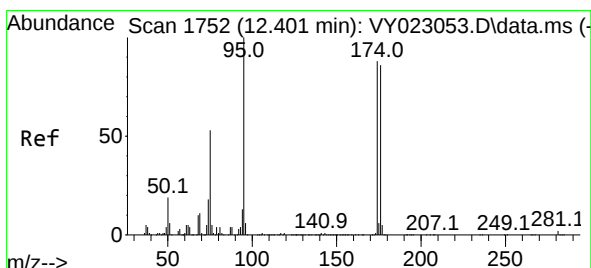
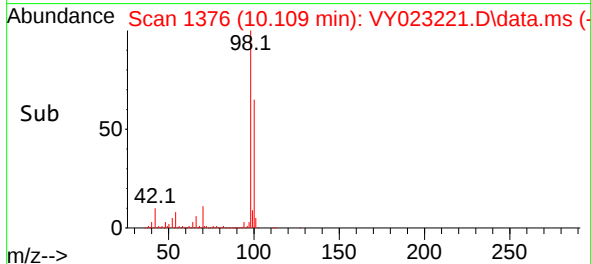
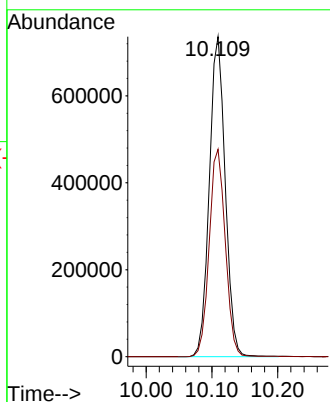
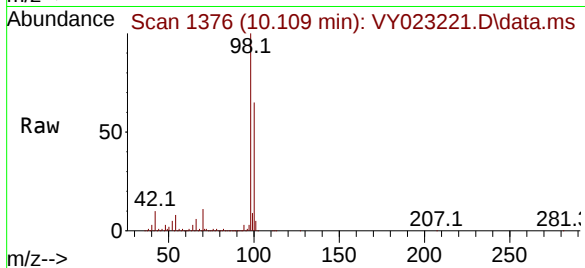




#50
Toluene-d8
Concen: 50.621 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

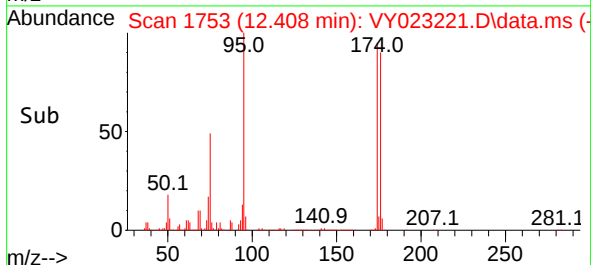
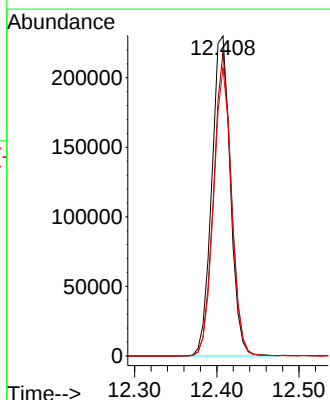
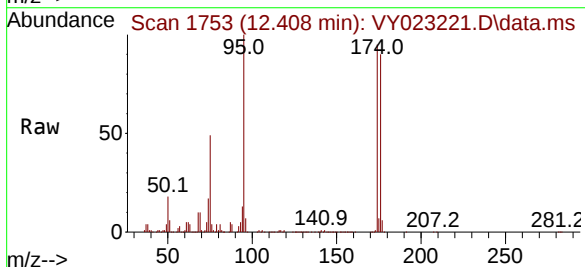
Instrument :
MSVOA_Y
ClientSampleId :
TP10

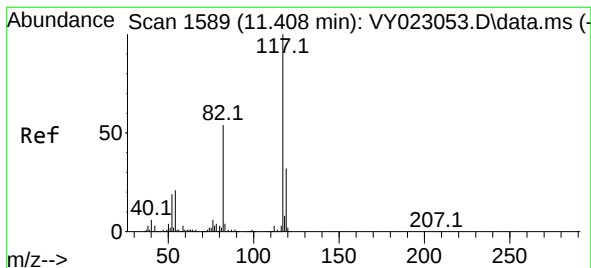
Tgt Ion: 98 Resp: 1239299
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.910 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 95 Resp: 361466
Ion Ratio Lower Upper
95 100
174 91.0 0.0 171.6
176 87.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023221.D

Acq: 28 Aug 2025 13:07

Instrument :

MSVOA_Y

ClientSampleId :

TP10

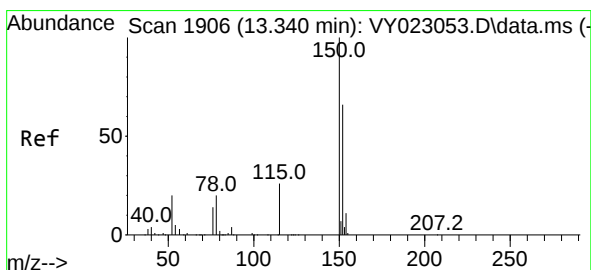
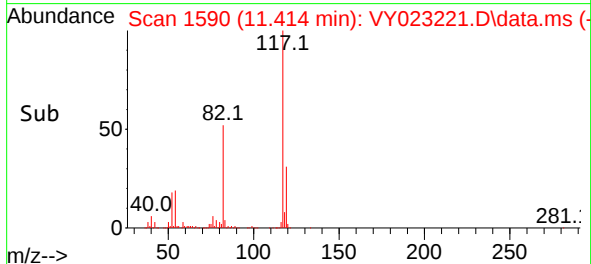
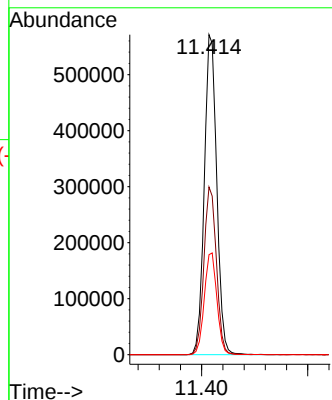
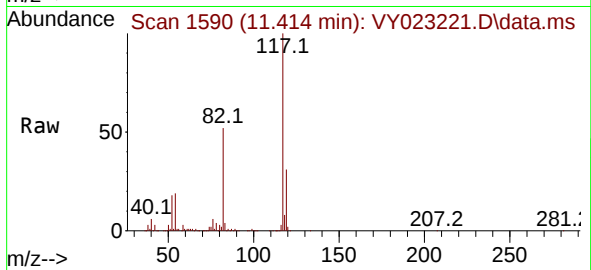
Tgt Ion:117 Resp: 927823

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 31.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023221.D

Acq: 28 Aug 2025 13:07

Tgt Ion:152 Resp: 368013

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 156.9 0.0 348.0

