

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022502.D
 Acq On : 02 Jun 2025 17:10
 Operator : SY/MD
 Sample : Q2160-02
 Misc : 6.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MHG-VOC

Quant Time: Jun 03 04:08:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	291327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	537587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	429481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154391	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177294	54.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.820%
35) Dibromofluoromethane	7.634	113	163748	51.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.060%
50) Toluene-d8	10.109	98	643630	49.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.408	95	165233	42.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.540%

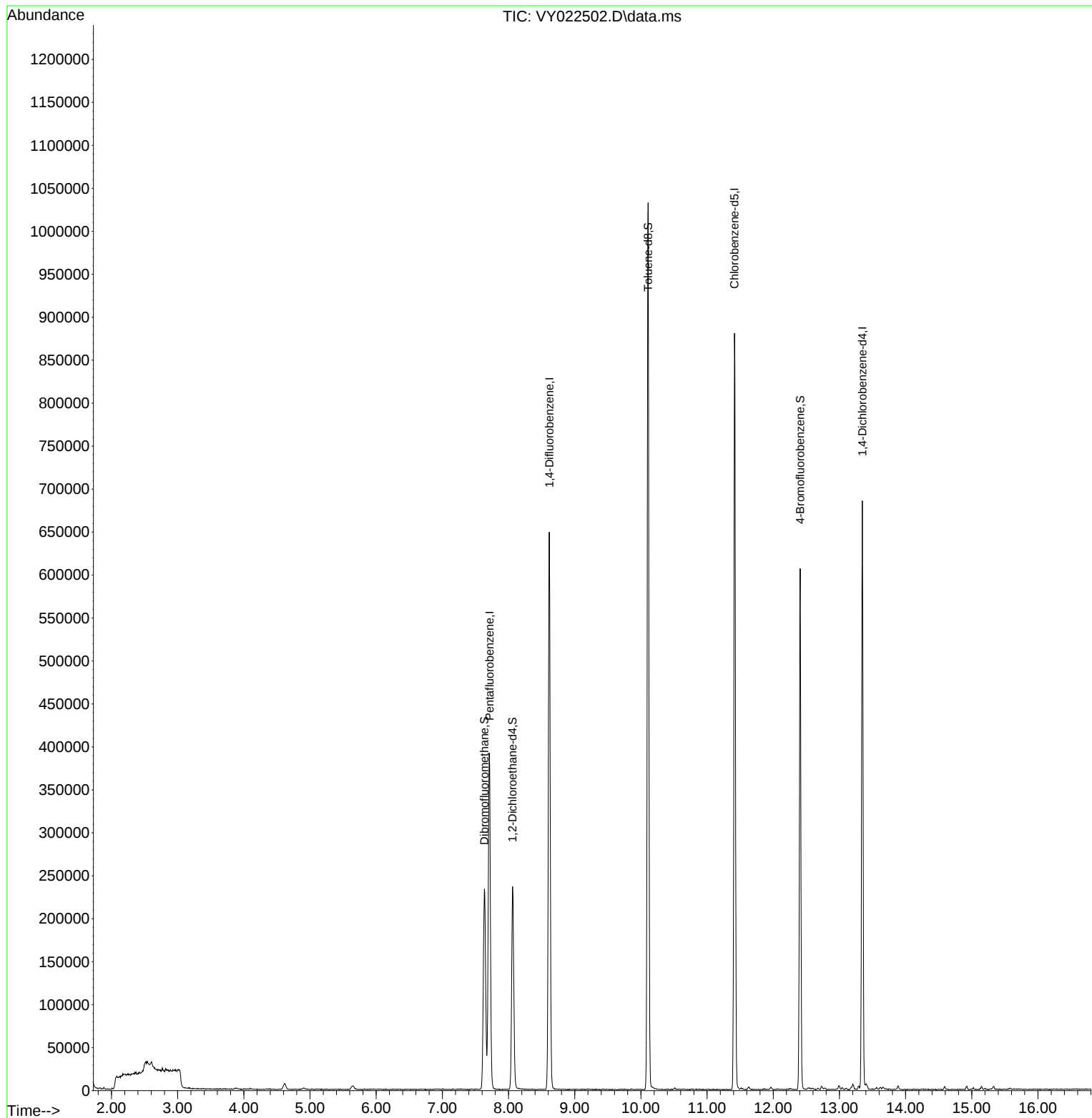
Target Compounds	Qvalue

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

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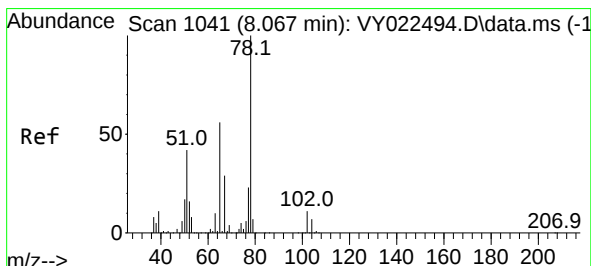
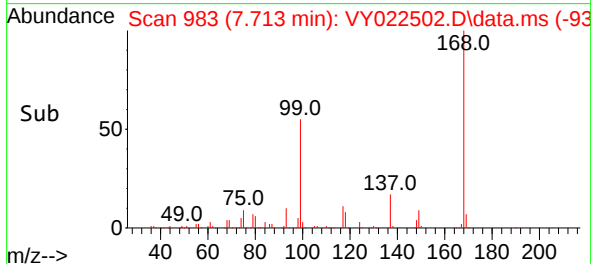
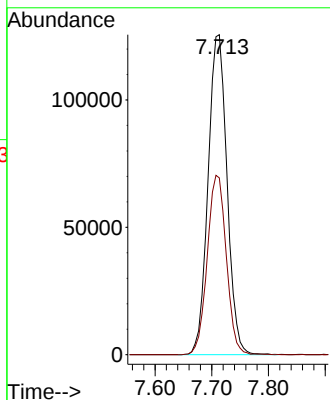
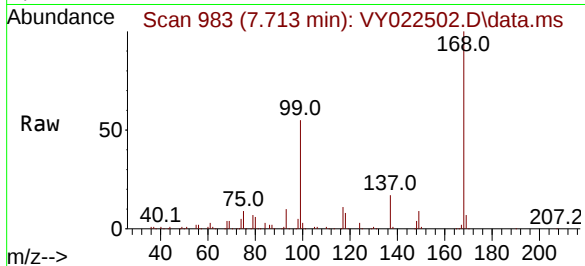




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

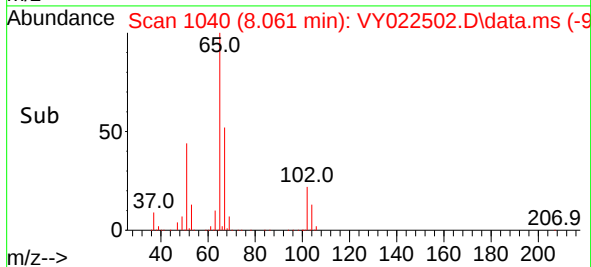
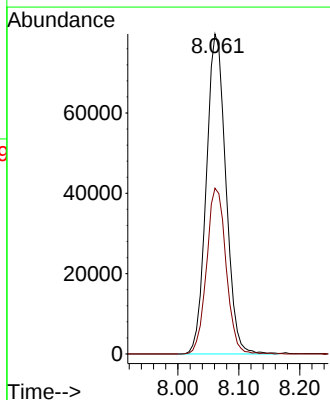
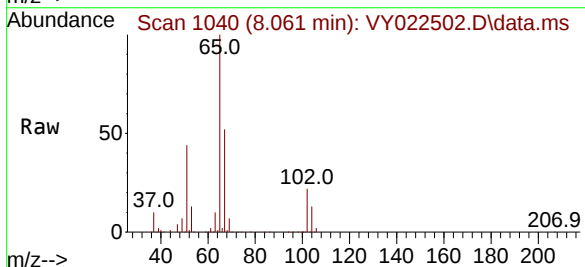
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHG-VOC

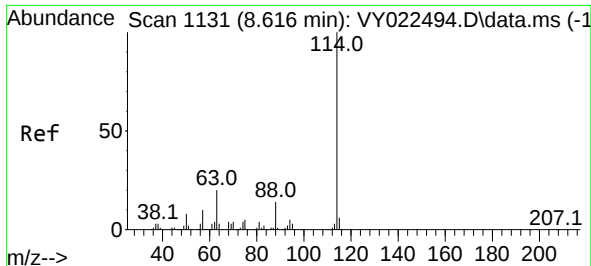
Tgt Ion:168 Resp: 291327
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.413 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Tgt Ion: 65 Resp: 177294
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

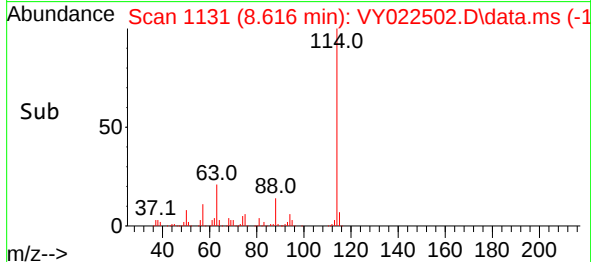
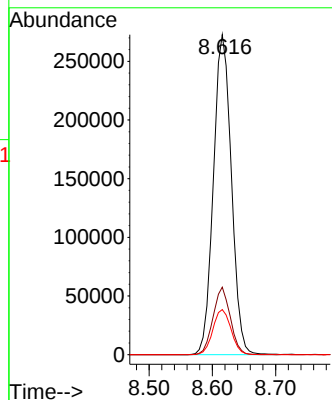
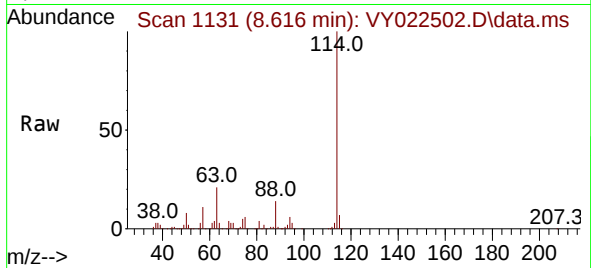




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

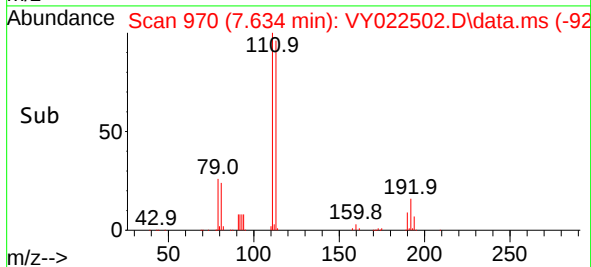
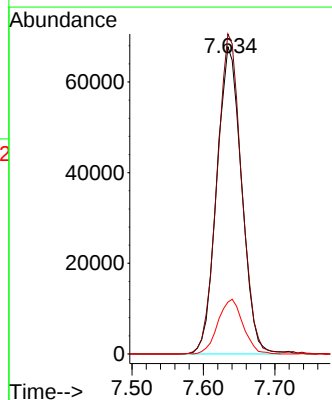
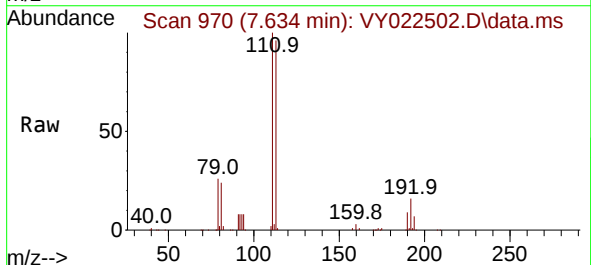
Instrument :
MSVOA_Y
ClientSampleId :
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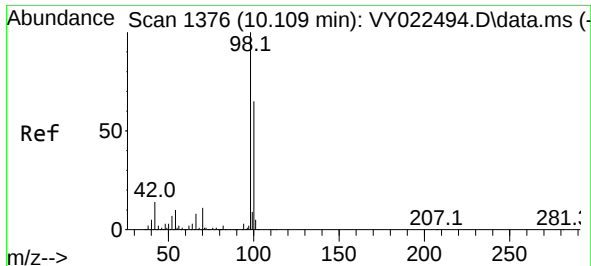
Tgt Ion:114 Resp: 537587
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 14.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.032 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Tgt Ion:113 Resp: 163748
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 18.0 14.2 21.2

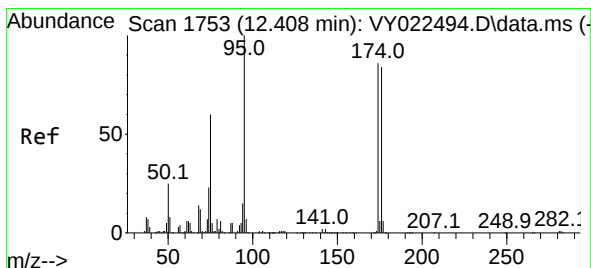
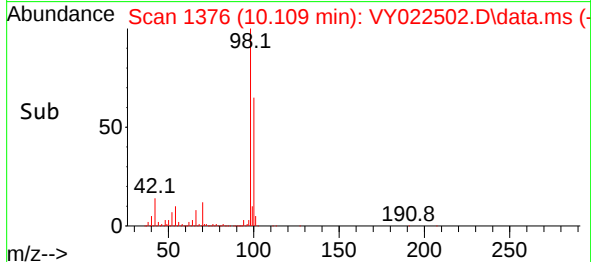
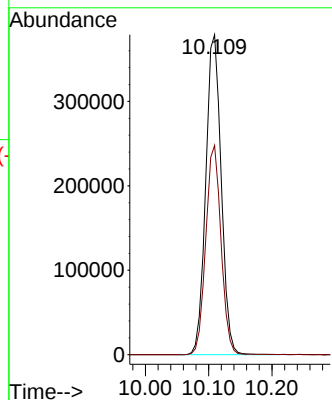
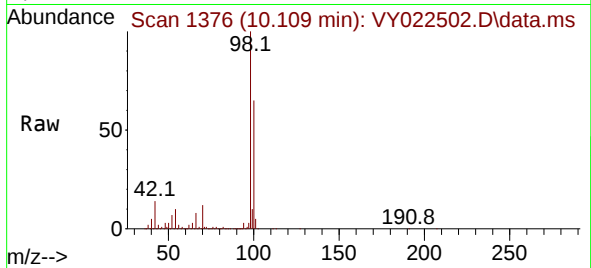




#50
Toluene-d8
Concen: 49.642 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

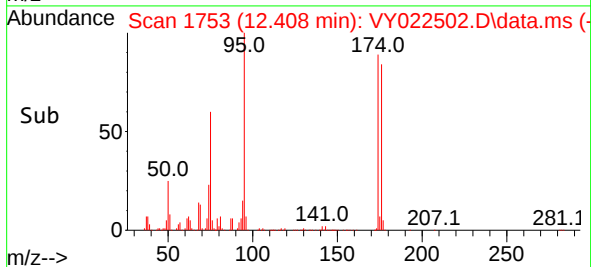
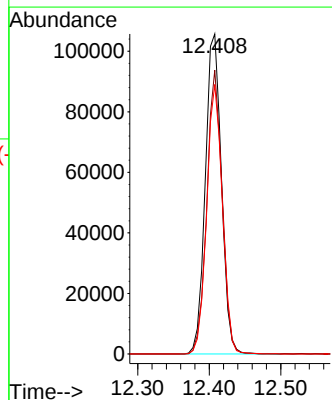
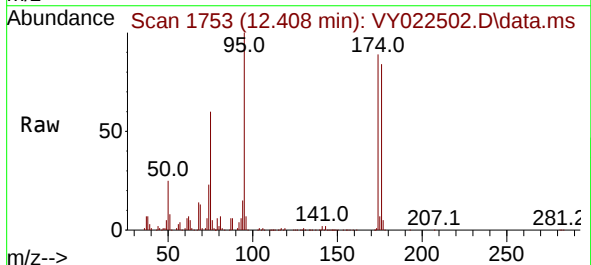
Instrument :
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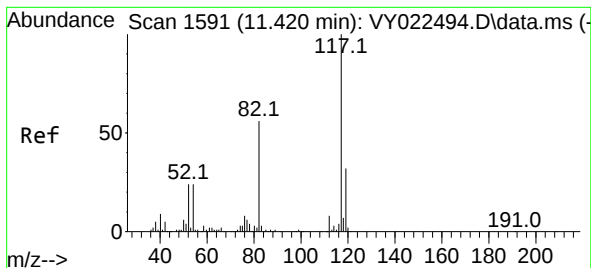
Tgt Ion: 98 Resp: 643630
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.773 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Tgt Ion: 95 Resp: 165233
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 82.1 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022502.D

Acq: 02 Jun 2025 17:10

Instrument :

MSVOA_Y

ClientSampleId :

TP04-MHG-VOC

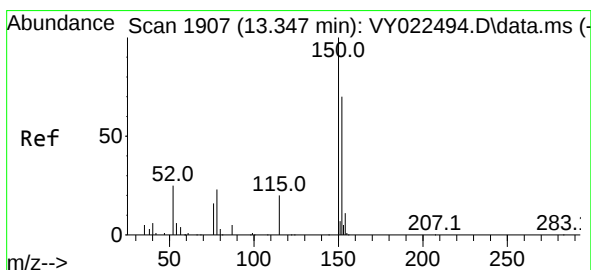
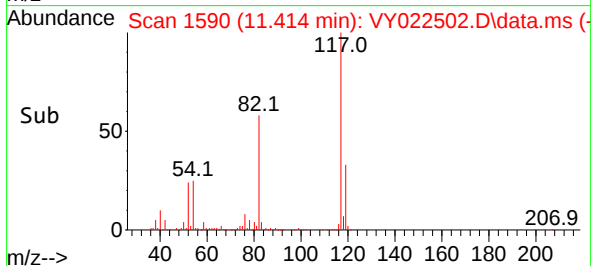
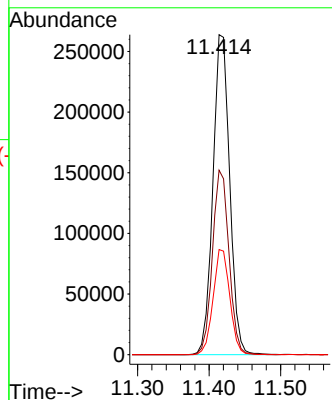
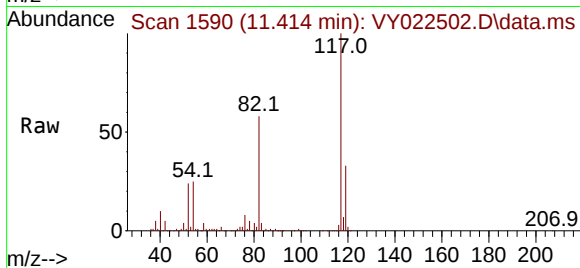
Tgt Ion:117 Resp: 429481

Ion Ratio Lower Upper

117 100

82 57.6 44.6 66.8

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022502.D

Acq: 02 Jun 2025 17:10

Tgt Ion:152 Resp: 154391

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 157.6 0.0 349.6

