

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022507.D
 Acq On : 02 Jun 2025 19:08
 Operator : SY/MD
 Sample : Q2150-05RE
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-47RE

Quant Time: Jun 03 04:10:19 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	7.707	168	60813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	105433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	78237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	24479	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	37335	54.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.780%
35) Dibromofluoromethane	7.640	113	33266	52.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.720%
50) Toluene-d8	10.109	98	119467	46.982	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.960%
62) 4-Bromofluorobenzene	12.408	95	26331	34.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.500%

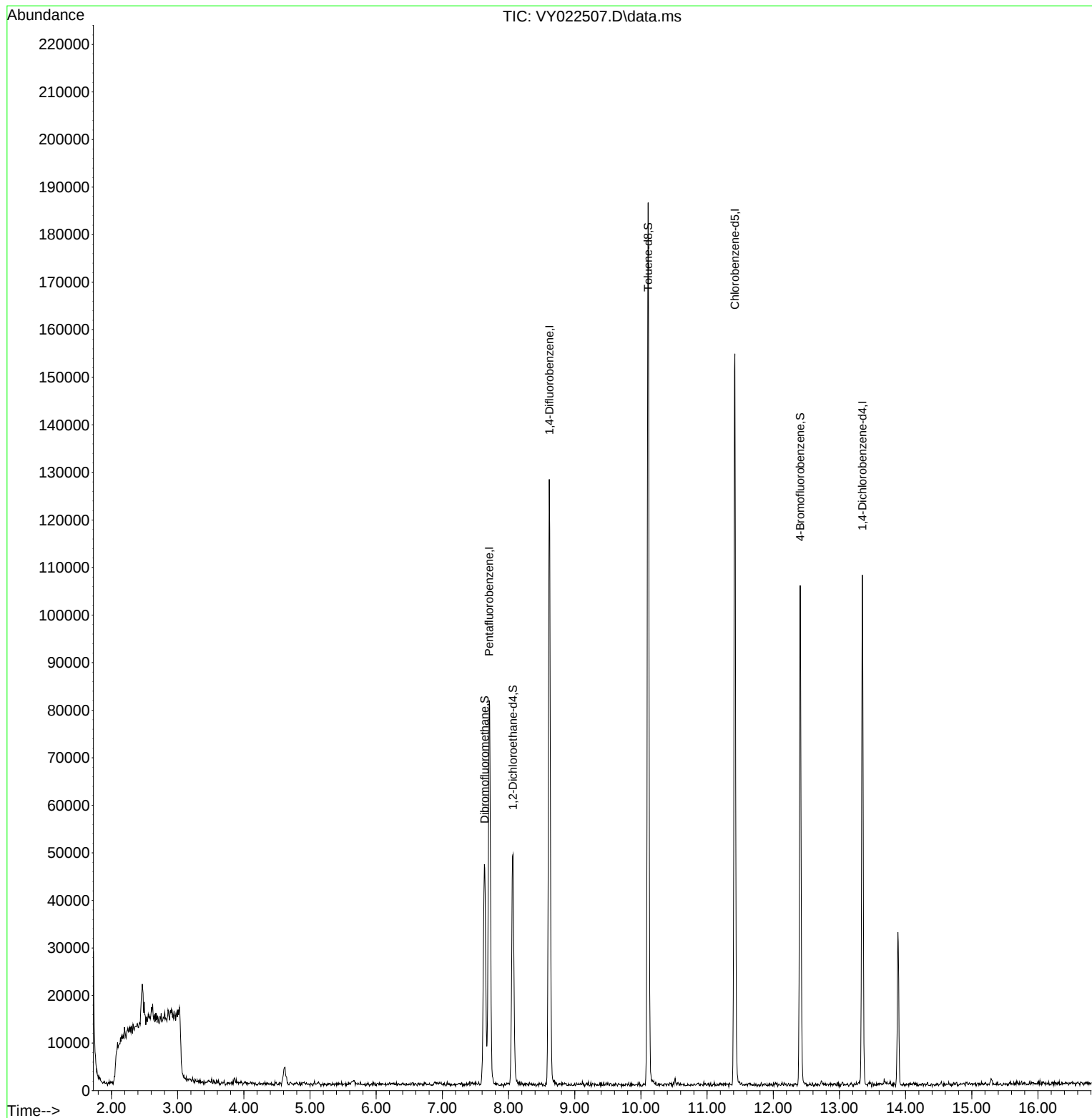
Target Compounds	Qvalue

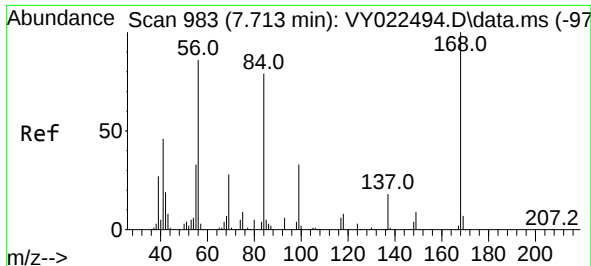
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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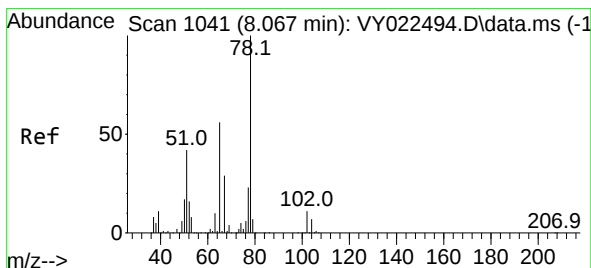
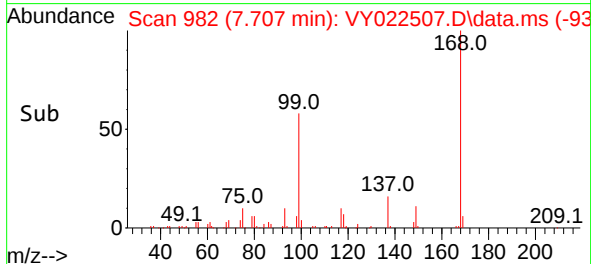
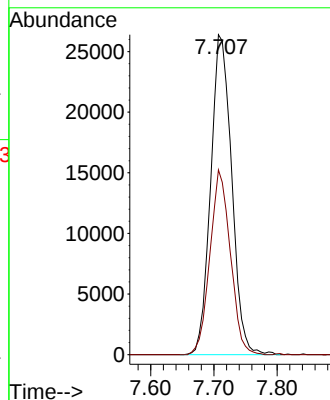
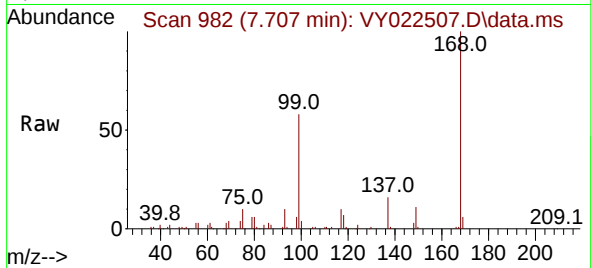




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

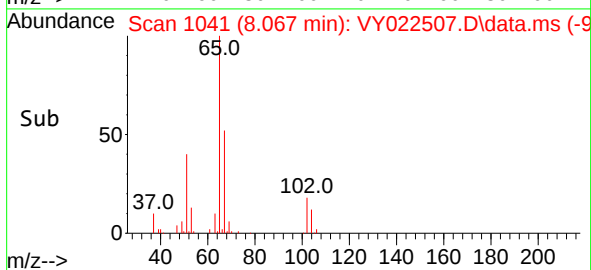
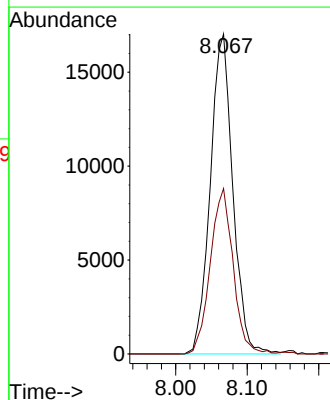
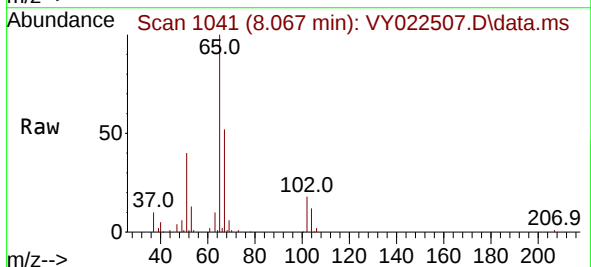
Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Tgt Ion:168 Resp: 60813
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.892 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 65 Resp: 37335
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

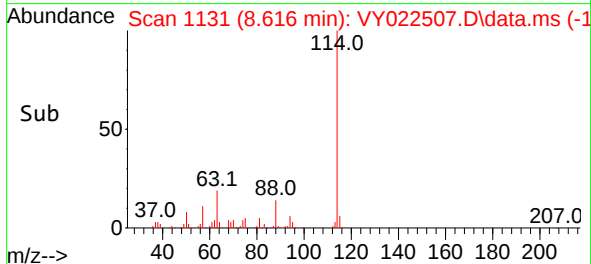
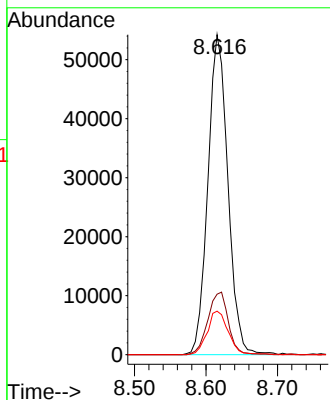
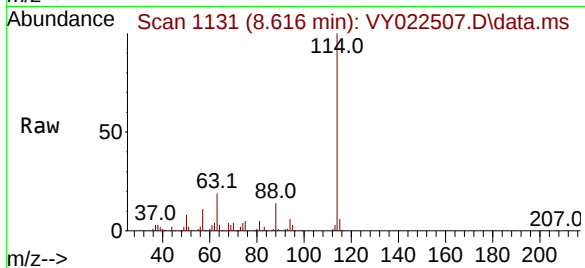




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

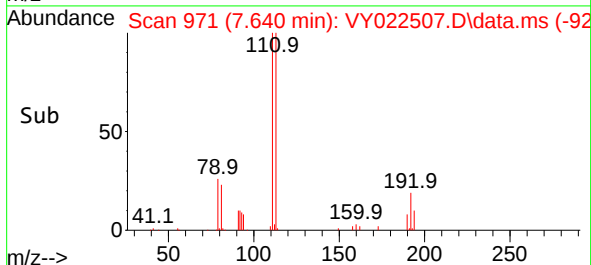
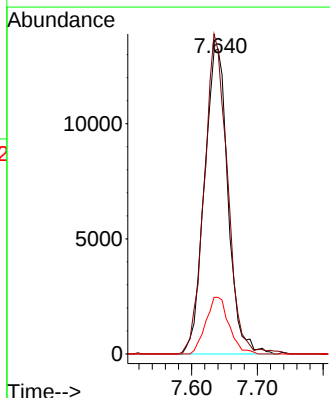
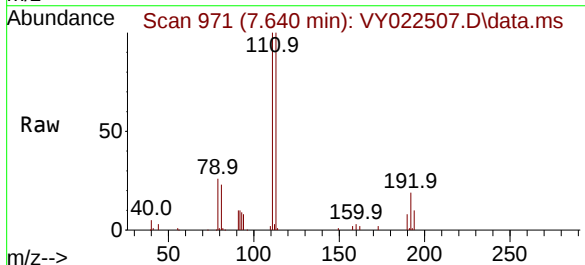
Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

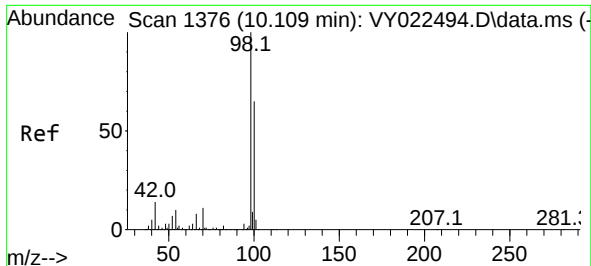
Tgt Ion:114 Resp: 105433
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.861 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion:113 Resp: 33266
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.2 14.2 21.2

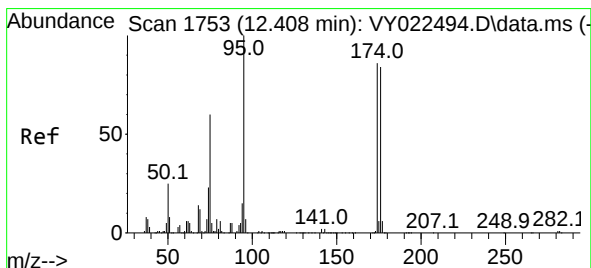
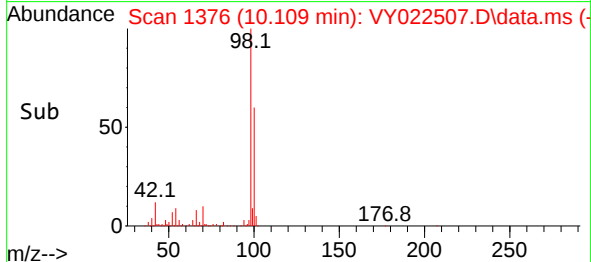
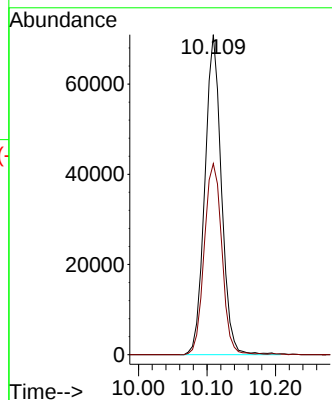
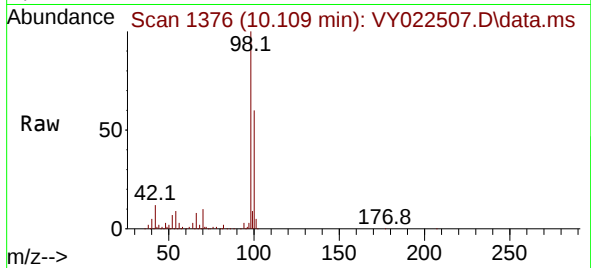




#50
Toluene-d8
Concen: 46.982 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

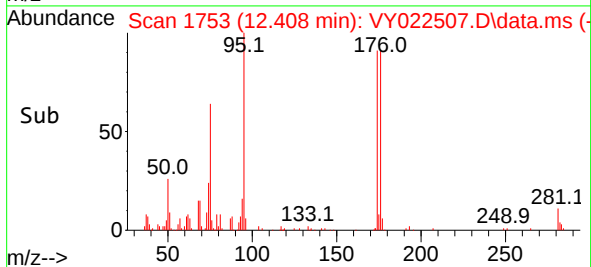
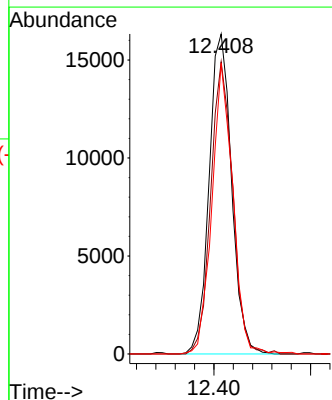
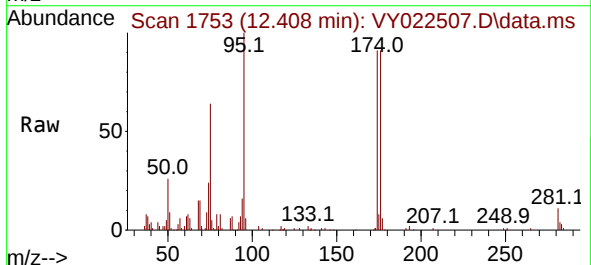
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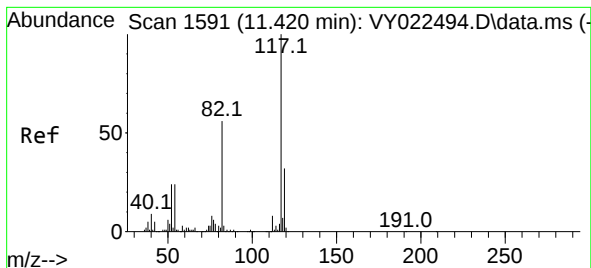
Tgt Ion: 98 Resp: 119467
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 34.755 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 95 Resp: 26331
Ion Ratio Lower Upper
95 100
174 89.2 0.0 170.0
176 84.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-47RE

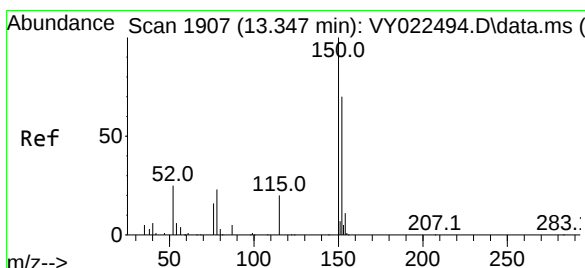
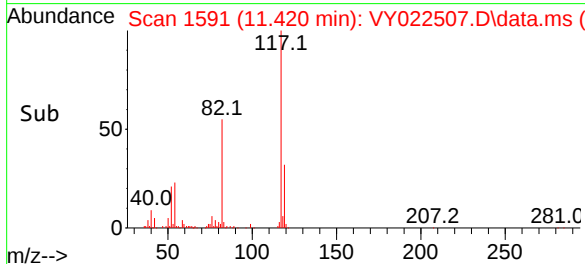
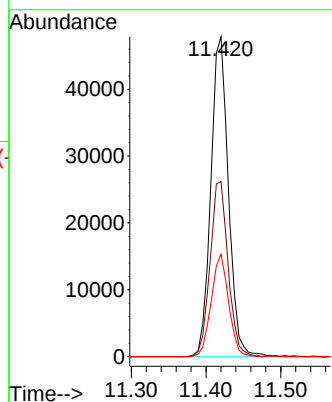
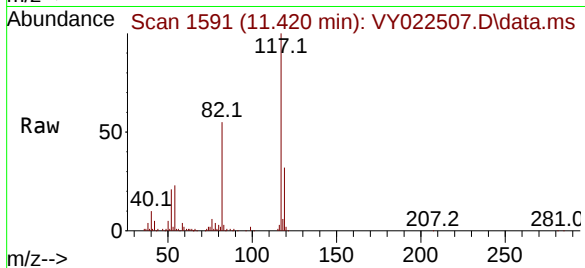
Tgt Ion:117 Resp: 78237

Ion Ratio Lower Upper

117 100

82 54.7 44.6 66.8

119 32.0 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: VY022507.D

Acq: 02 Jun 2025 19:08

Tgt Ion:152 Resp: 24479

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 160.1 0.0 349.6

