

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023265.D
 Acq On : 02 Sep 2025 15:10
 Operator : SY/MD
 Sample : Q2994-01
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAULDING-WC1

Quant Time: Sep 03 03:32:08 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	7.707	168	590164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1097764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	927290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	306386	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	306595	54.509	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.020%
35) Dibromofluoromethane	7.634	113	352346	53.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.280%
50) Toluene-d8	10.109	98	1265219	49.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.402	95	335272	40.626	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.260%

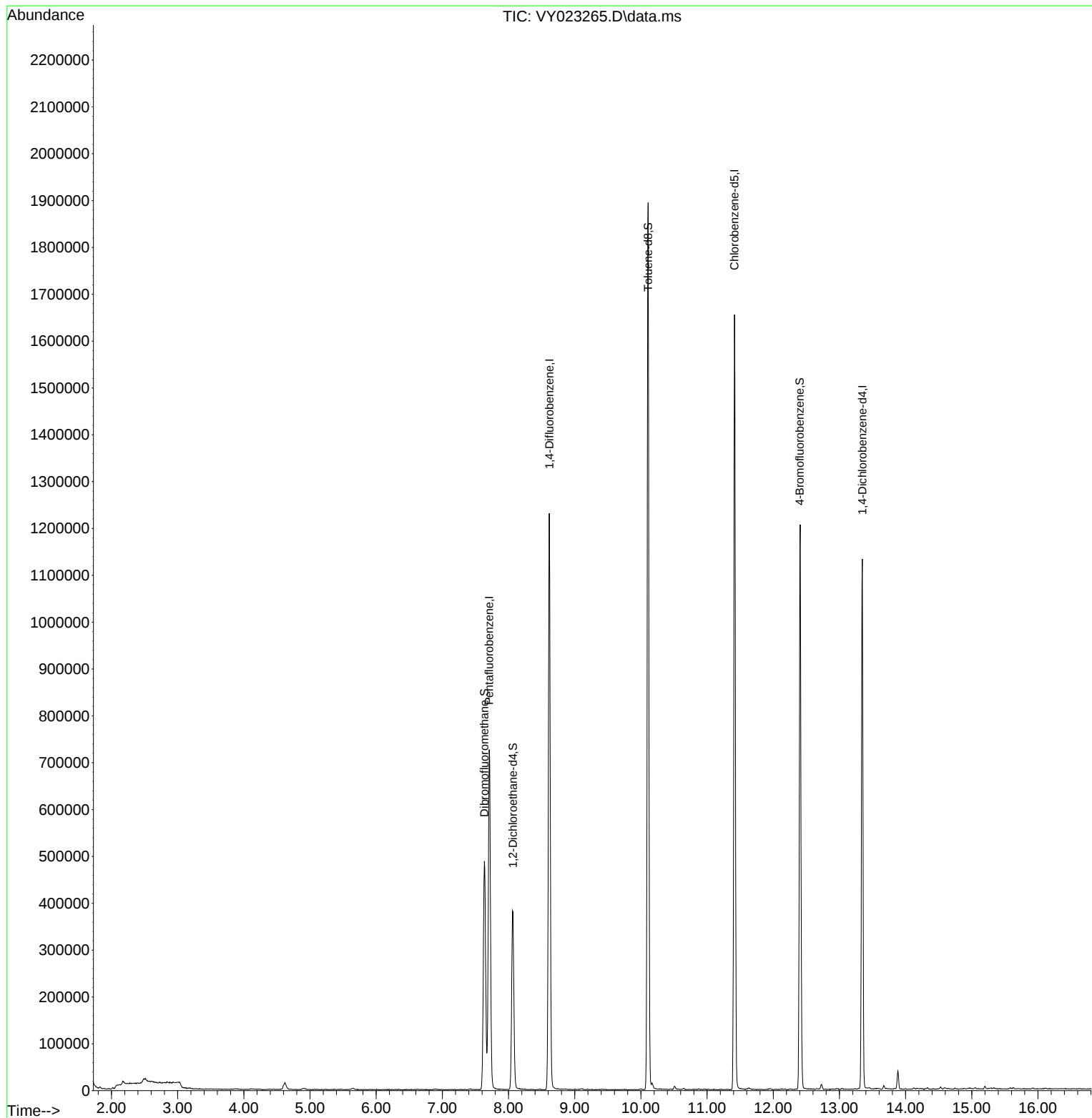
Target Compounds	Qvalue

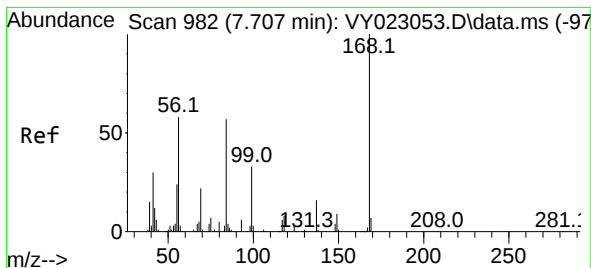
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023265.D

Acq: 02 Sep 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

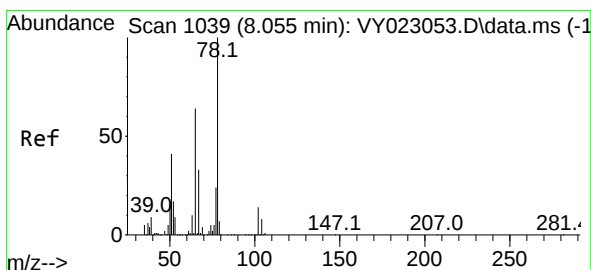
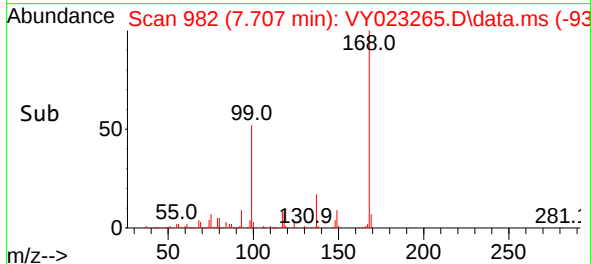
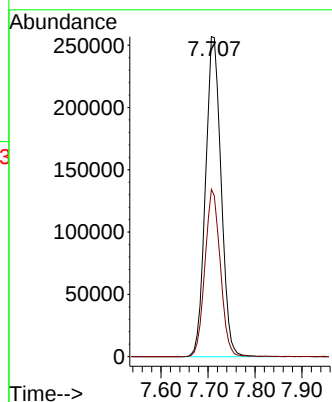
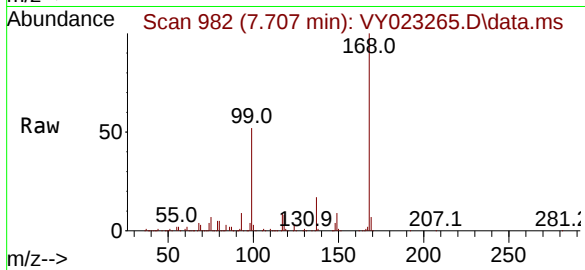
PAULDING-WC1

Tgt Ion:168 Resp: 590164

Ion Ratio Lower Upper

168 100

99 52.3 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 54.509 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023265.D

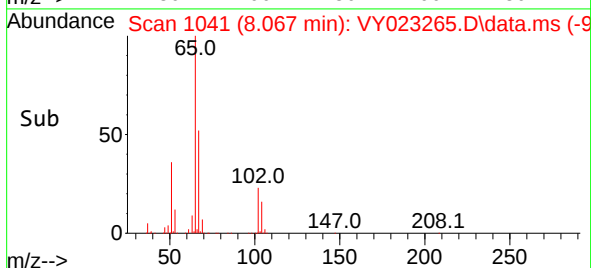
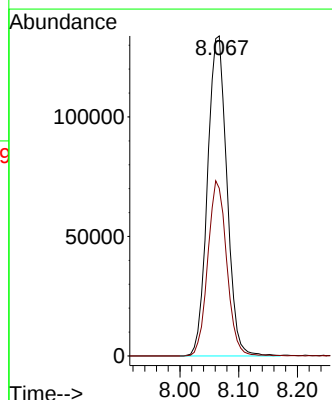
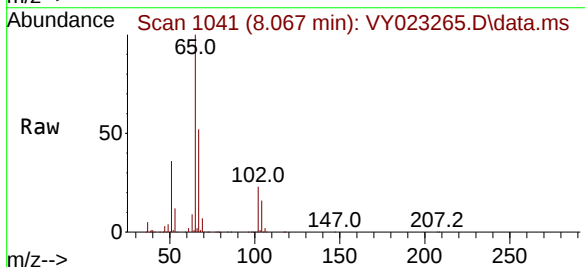
Acq: 02 Sep 2025 15:10

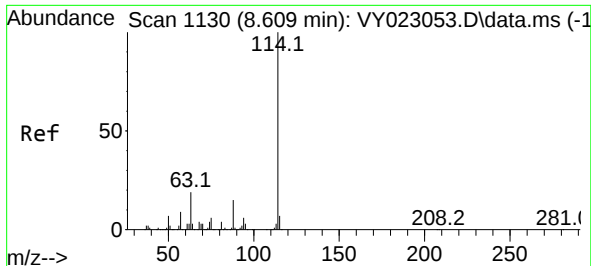
Tgt Ion: 65 Resp: 306595

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023265.D

Acq: 02 Sep 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

PAULDING-WC1

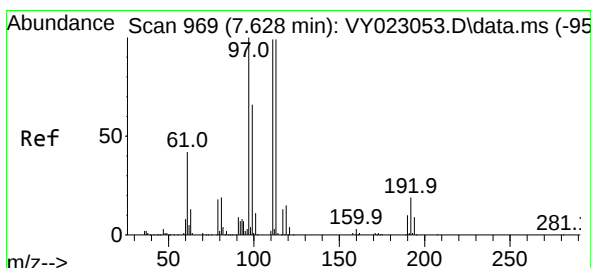
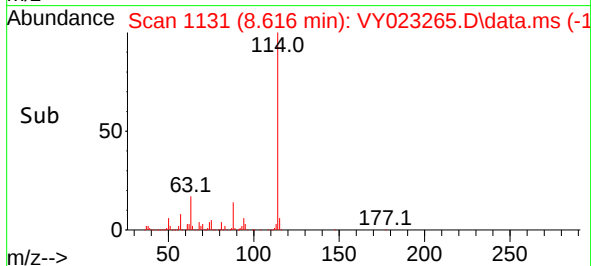
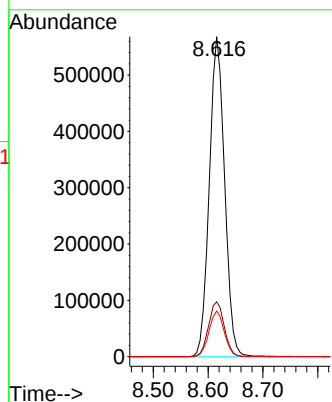
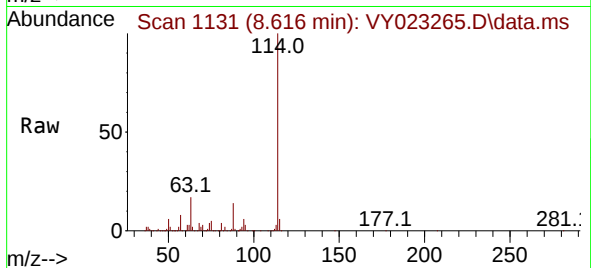
Tgt Ion:114 Resp: 1097764

Ion Ratio Lower Upper

114 100

63 17.2 0.0 38.4

88 14.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.640 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023265.D

Acq: 02 Sep 2025 15:10

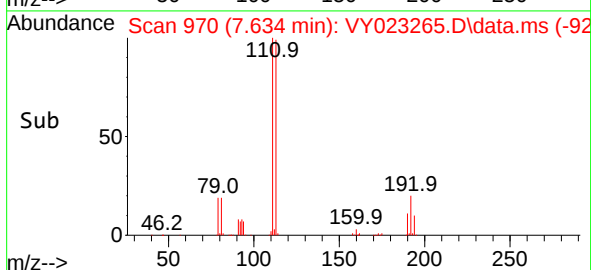
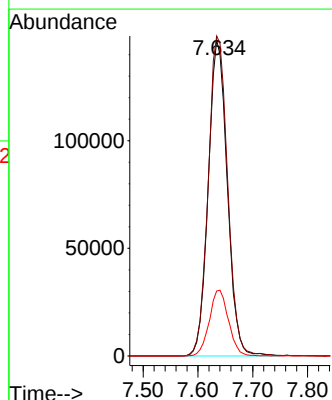
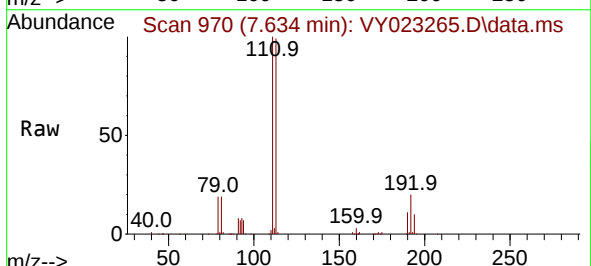
Tgt Ion:113 Resp: 352346

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

192 21.1 16.2 24.4

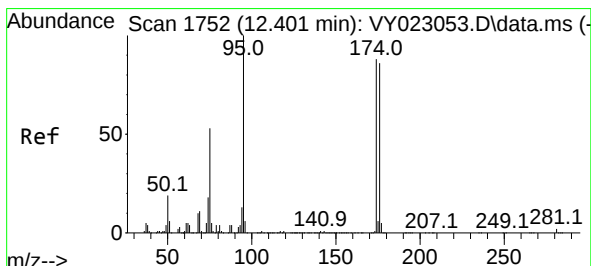
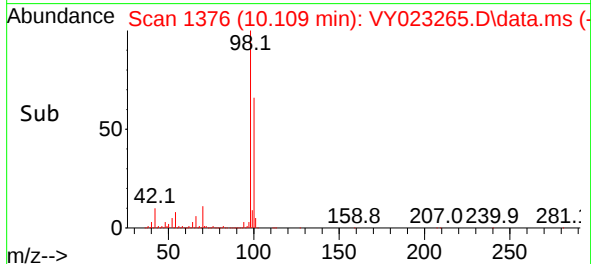
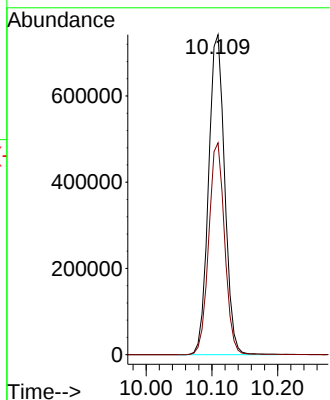
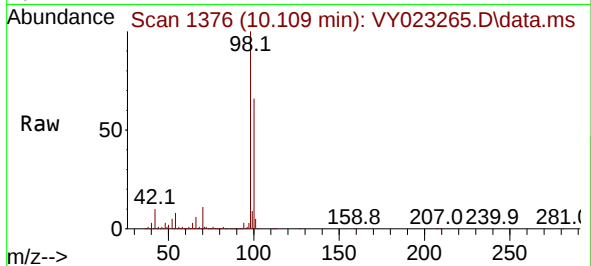




#50
Toluene-d8
Concen: 49.305 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

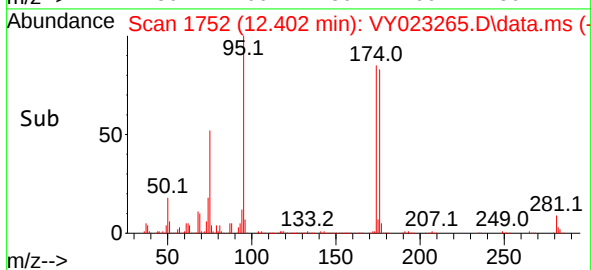
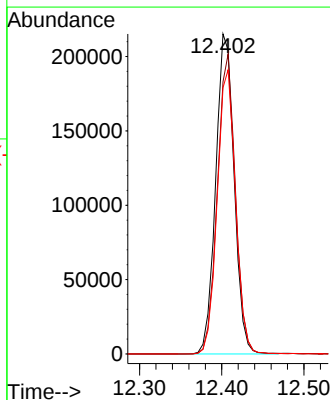
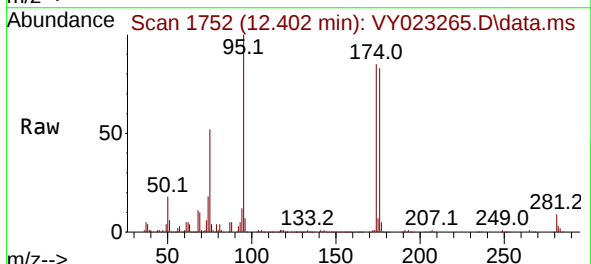
Instrument :
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PAULDING-WC1

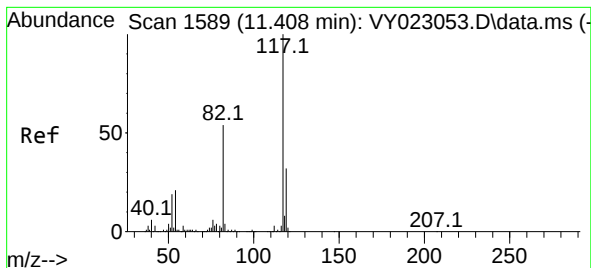
Tgt Ion: 98 Resp: 1265219
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 40.626 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Tgt Ion: 95 Resp: 335272
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 88.4 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: VY023265.D

Acq: 02 Sep 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

PAULDING-WC1

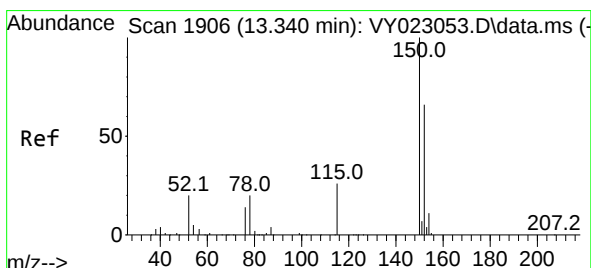
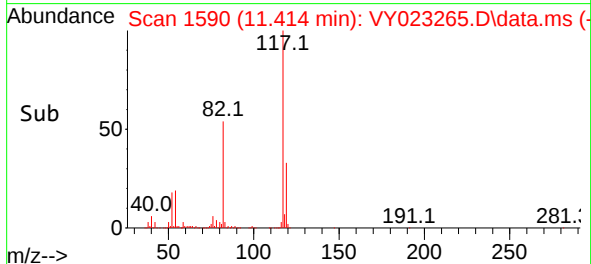
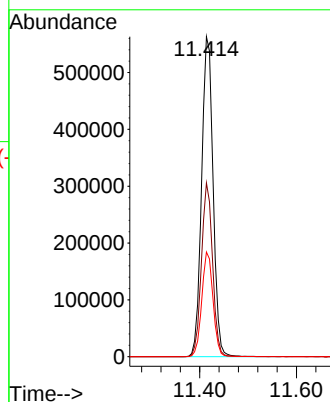
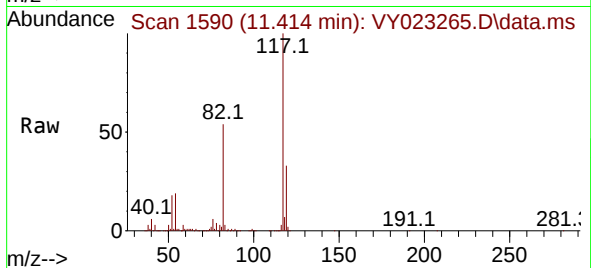
Tgt Ion:117 Resp: 927290

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.7 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: VY023265.D

Acq: 02 Sep 2025 15:10

Tgt Ion:152 Resp: 306386

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 155.9 0.0 348.0

