

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023223.D
 Acq On : 28 Aug 2025 13:54
 Operator : SY/MD
 Sample : Q2970-13
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12

Quant Time: Aug 29 02:10:07 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	597103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1134505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1018610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	411243	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	314707	55.301	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.600%
35) Dibromofluoromethane	7.640	113	355884	52.424	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.840%
50) Toluene-d8	10.109	98	1349969	50.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.800%
62) 4-Bromofluorobenzene	12.402	95	399306	46.819	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.640%

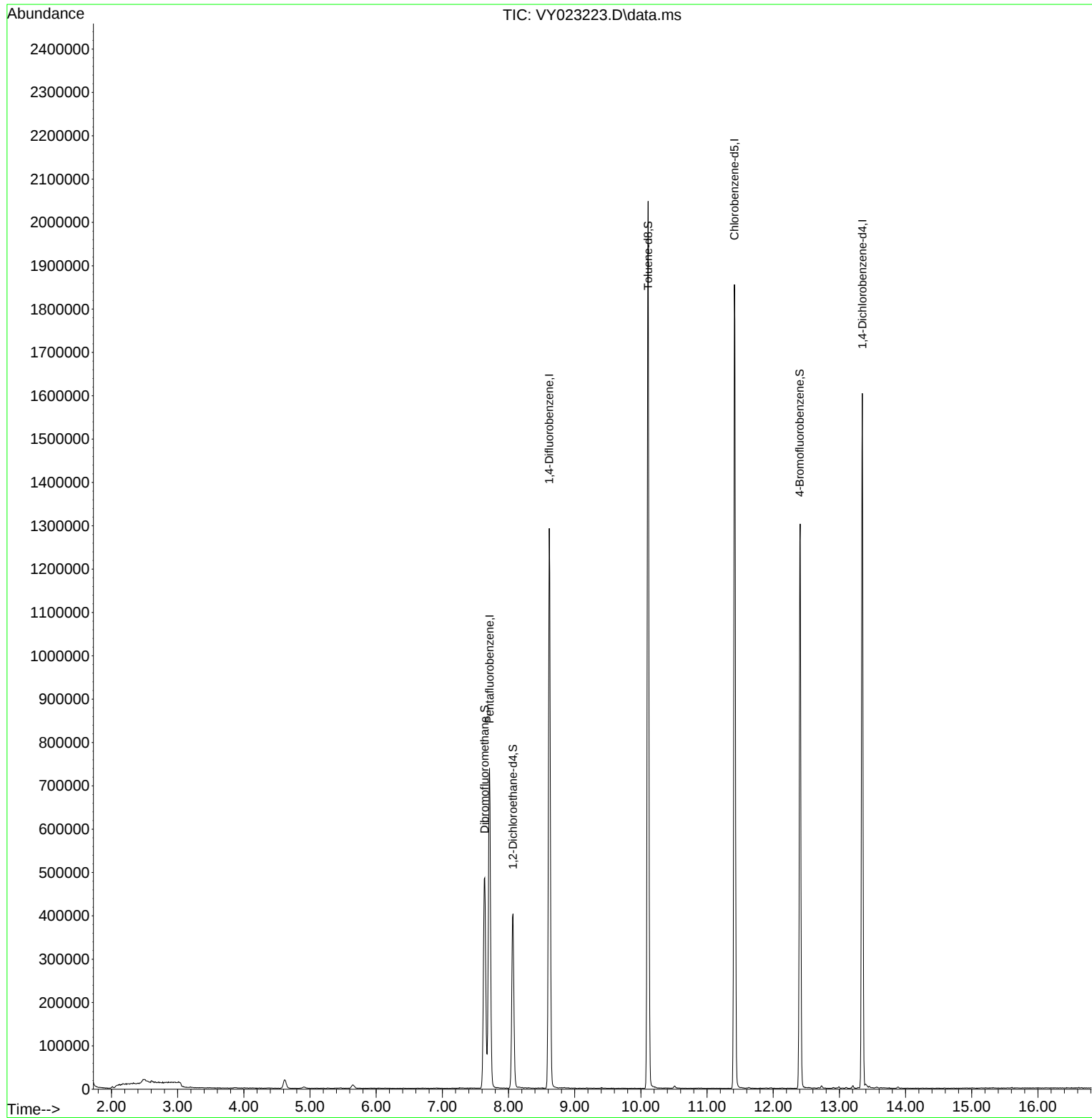
Target Compounds	Qvalue

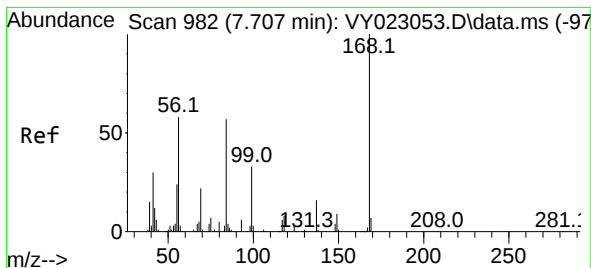
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY023223.D

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Instrument :

MSVOA_Y

ClientSampleId :

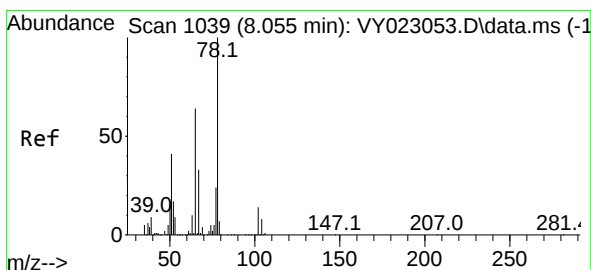
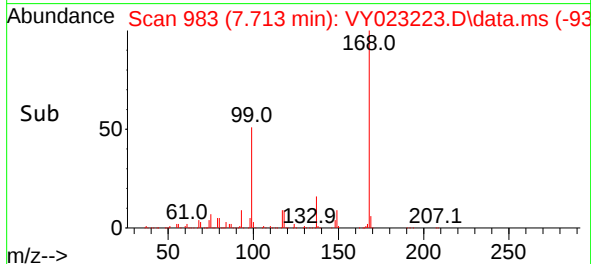
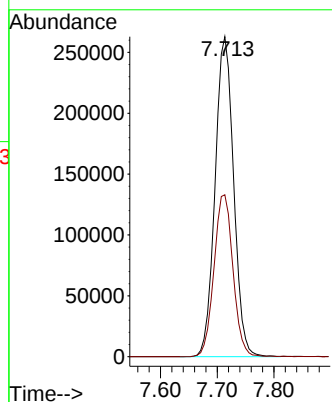
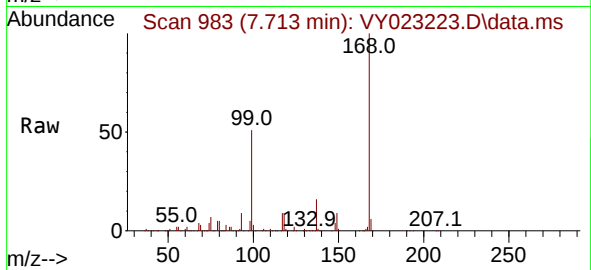
TP12

Tgt Ion:168 Resp: 597103

Ion Ratio Lower Upper

168 100

99 50.6 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 55.301 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023223.D

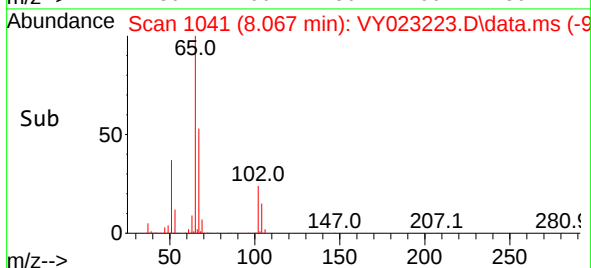
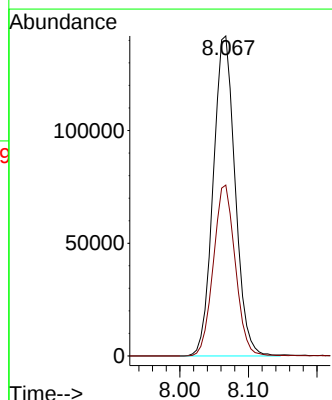
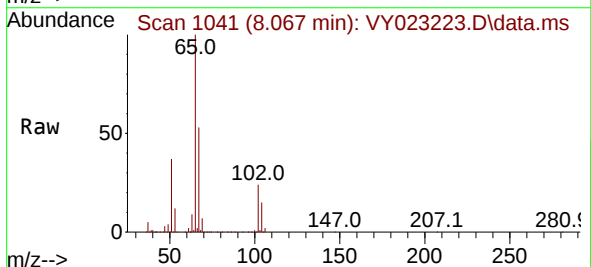
Acq: 28 Aug 2025 13:54

Tgt Ion: 65 Resp: 314707

Ion Ratio Lower Upper

65 100

67 53.4 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: VY023223.D

Acq: 28 Aug 2025 13:54

Instrument :

MSVOA_Y

ClientSampleId :

TP12

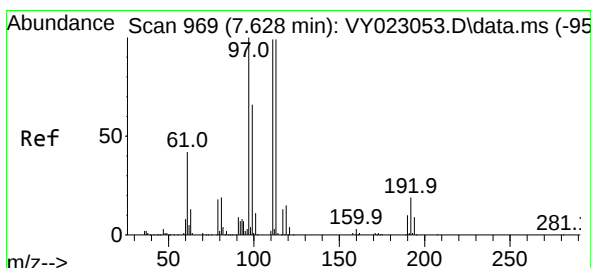
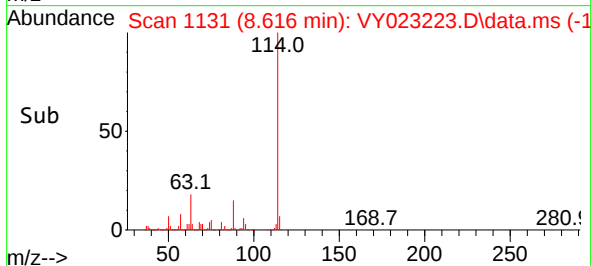
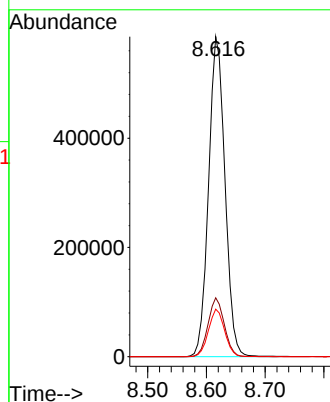
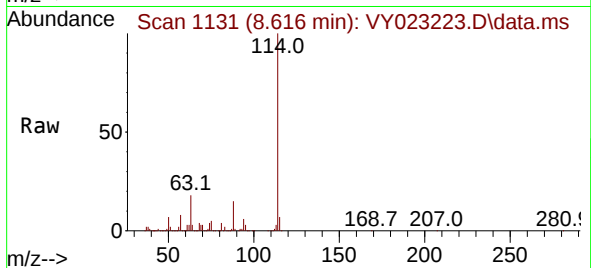
Tgt Ion:114 Resp: 1134505

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.424 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023223.D

Acq: 28 Aug 2025 13:54

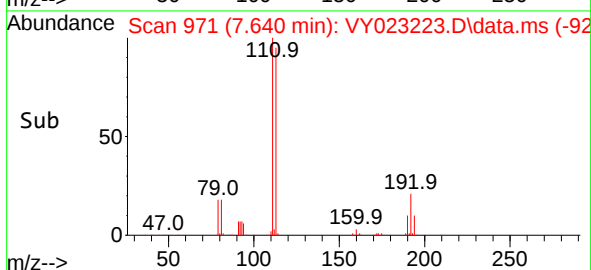
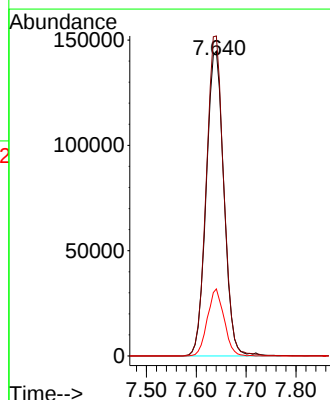
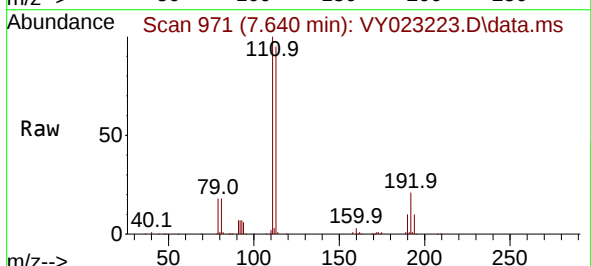
Tgt Ion:113 Resp: 355884

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

192 20.8 16.2 24.4

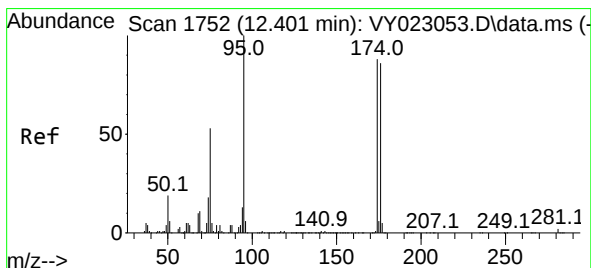
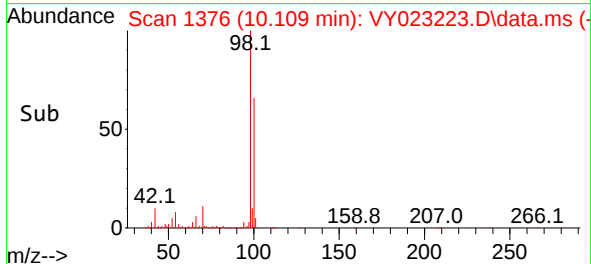
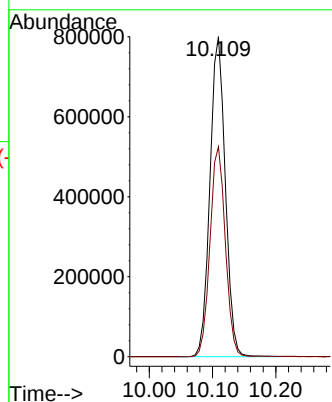
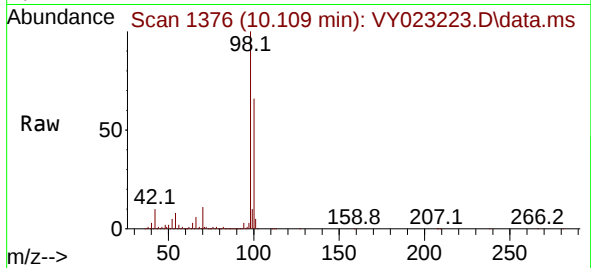




#50
Toluene-d8
Concen: 50.904 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

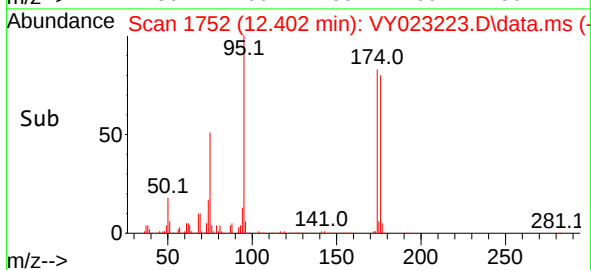
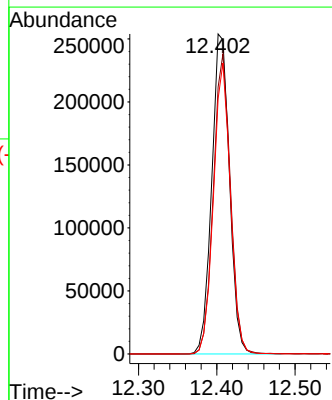
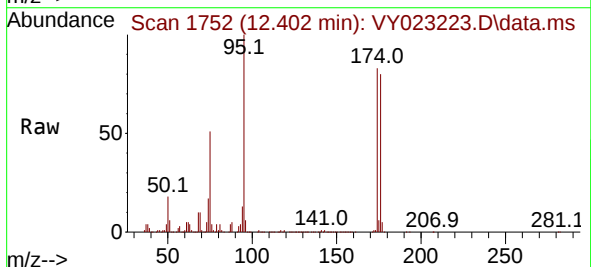
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MSVOA_Y
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TP12

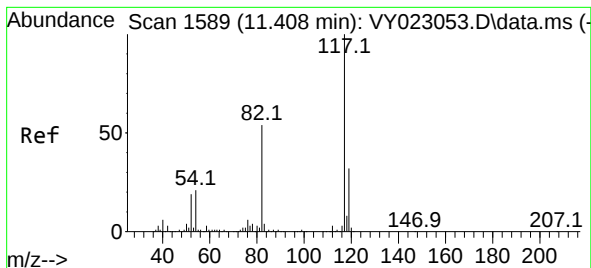
Tgt Ion: 98 Resp: 1349969
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.819 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

Tgt Ion: 95 Resp: 399306
Ion Ratio Lower Upper
95 100
174 90.8 0.0 171.6
176 87.0 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: VY023223.D

Acq: 28 Aug 2025 13:54

Instrument :

MSVOA_Y

ClientSampleId :

TP12

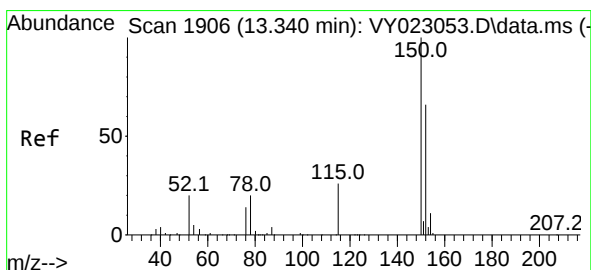
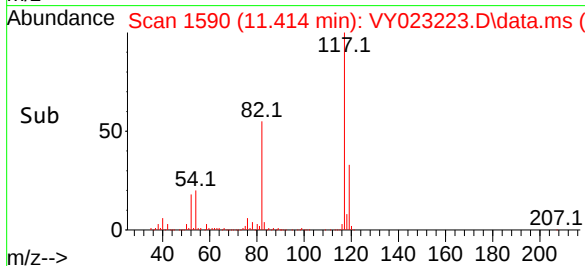
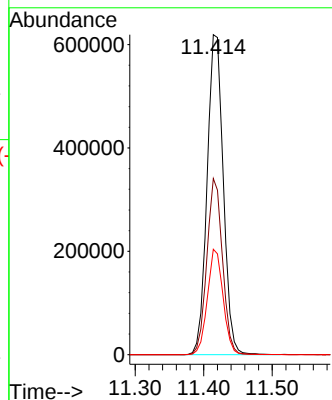
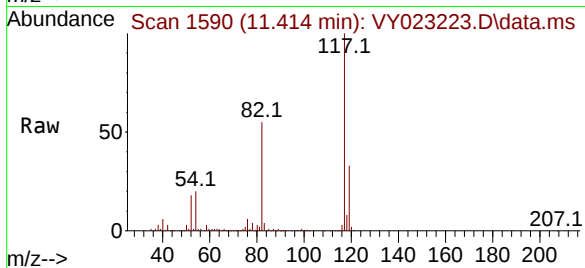
Tgt Ion:117 Resp: 1018610

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023223.D

Acq: 28 Aug 2025 13:54

Tgt Ion:152 Resp: 411243

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 157.3 0.0 348.0

