

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023261.D
 Acq On : 02 Sep 2025 13:36
 Operator : SY/MD
 Sample : Q2996-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONTAINMENT-C

Quant Time: Sep 03 03:30:22 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	581646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1112107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1012599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	426919	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	312262	56.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.660%
35) Dibromofluoromethane	7.640	113	357029	53.652	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.300%
50) Toluene-d8	10.109	98	1322839	50.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.401	95	408610	48.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.740%

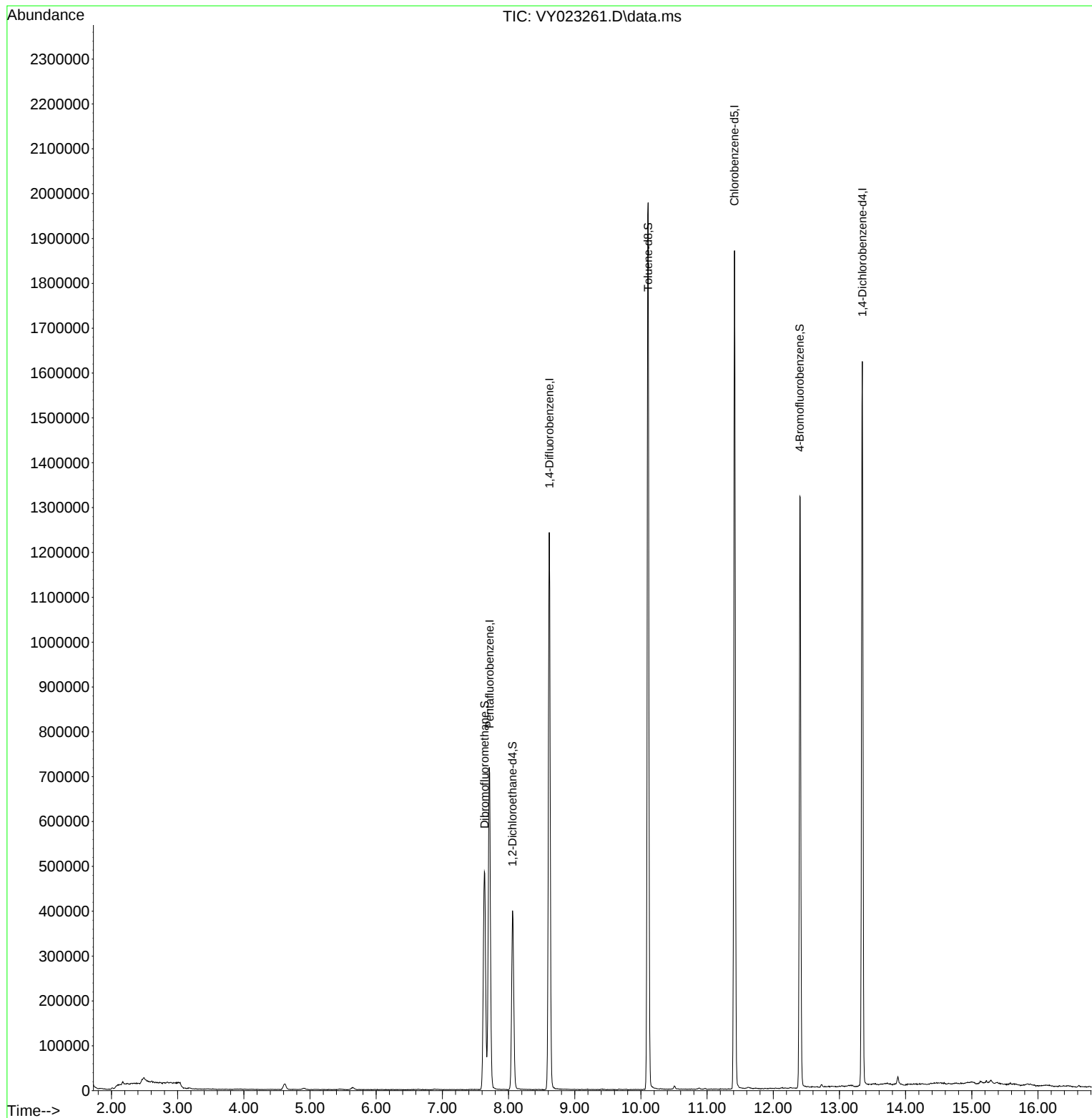
Target Compounds	Qvalue

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

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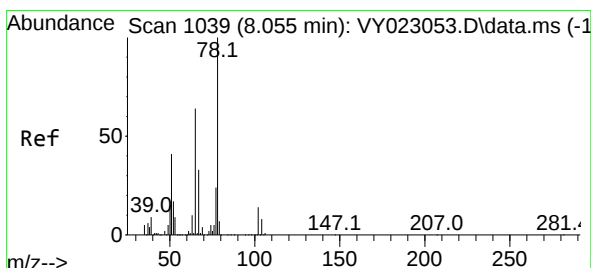
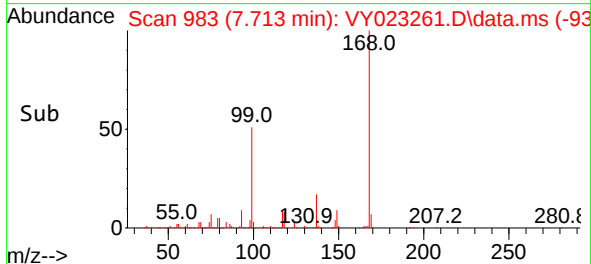
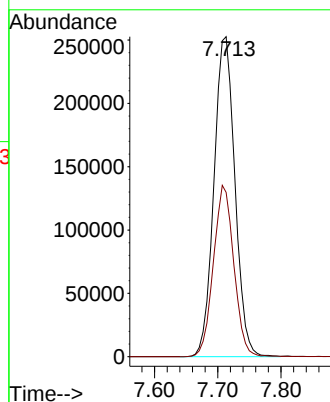
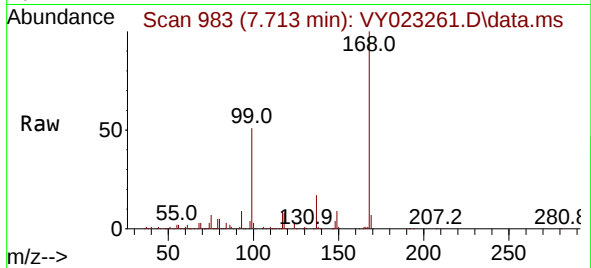




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

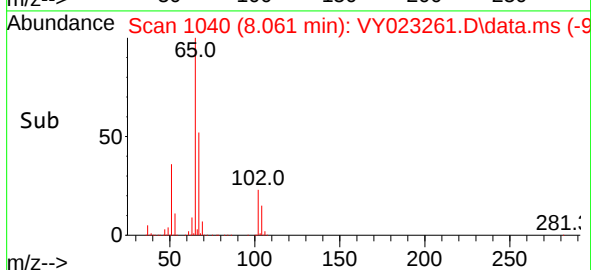
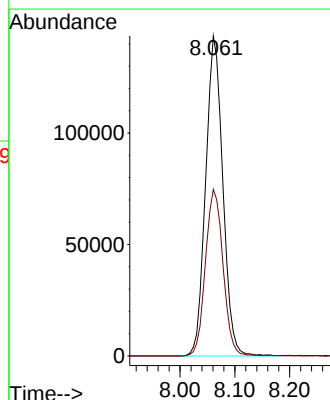
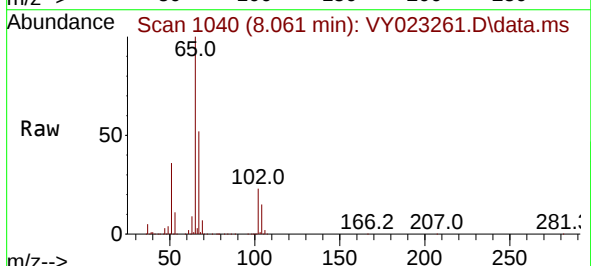
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-C

Tgt Ion:168 Resp: 581646
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.330 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion: 65 Resp: 312262
Ion Ratio Lower Upper
65 100
67 53.2 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: VY023261.D

Acq: 02 Sep 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

CONTAINMENT-C

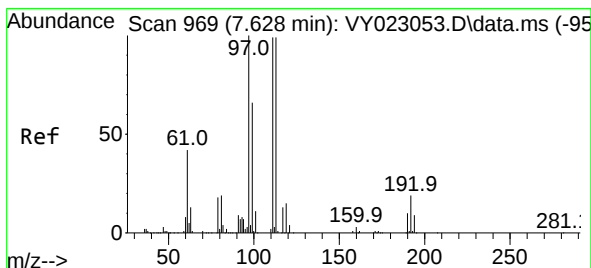
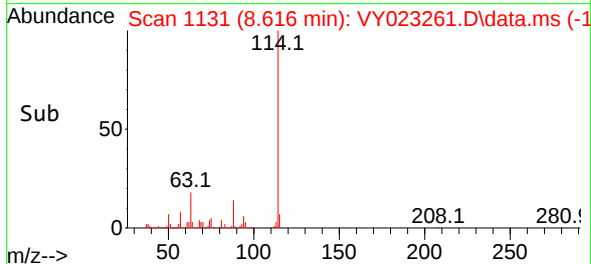
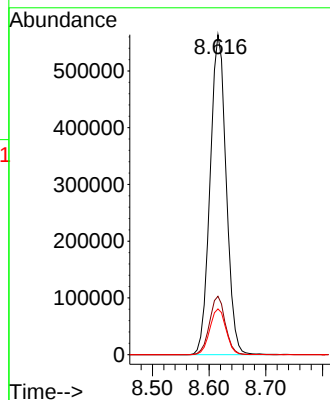
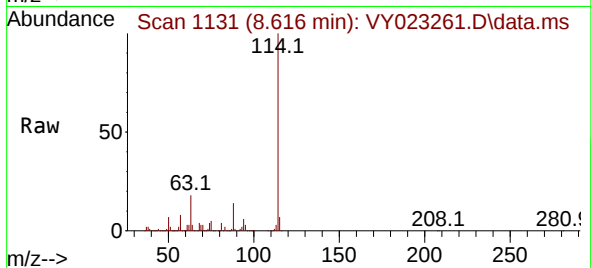
Tgt Ion:114 Resp: 1112107

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.652 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023261.D

Acq: 02 Sep 2025 13:36

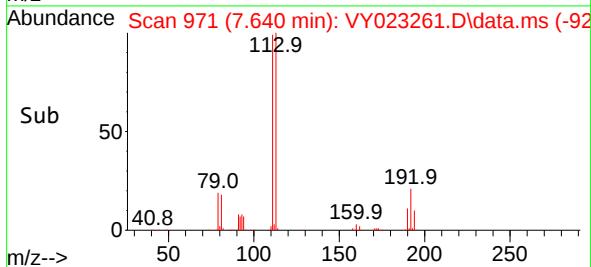
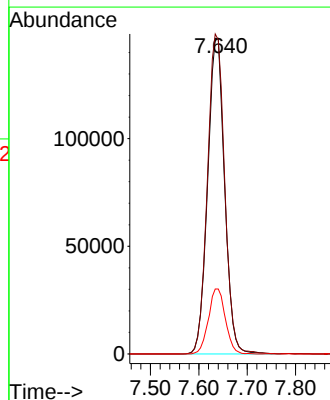
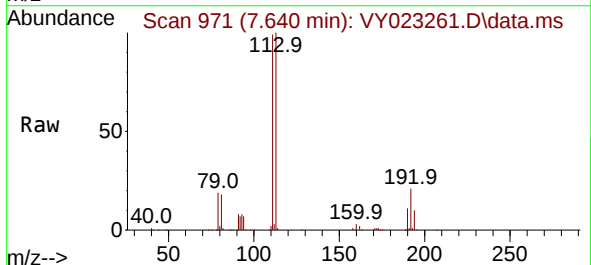
Tgt Ion:113 Resp: 357029

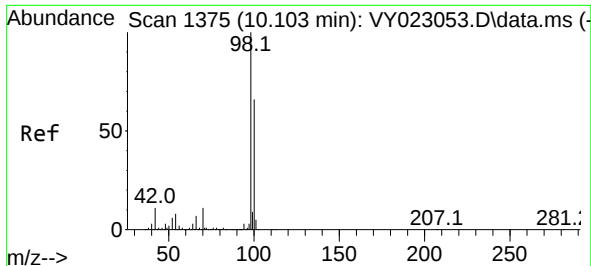
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 20.6 16.2 24.4

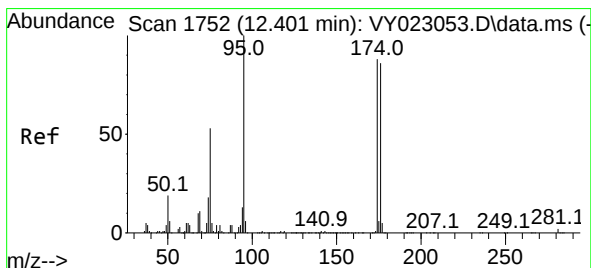
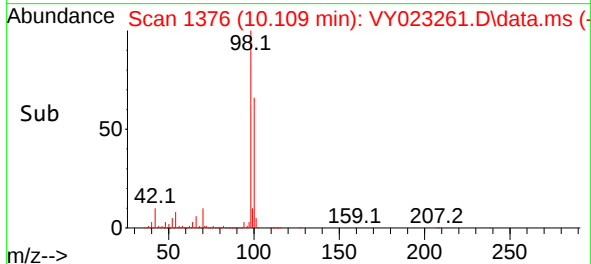
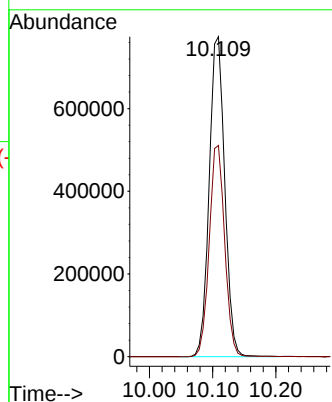
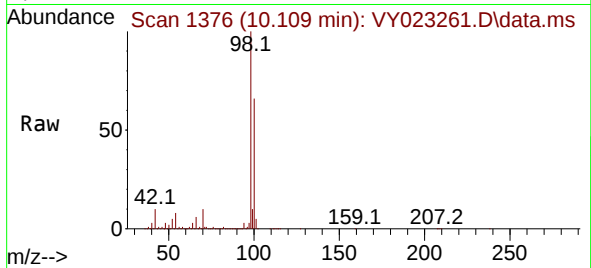




#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

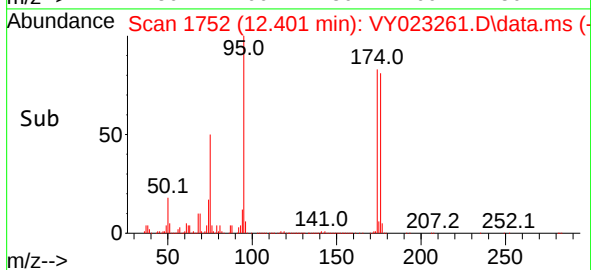
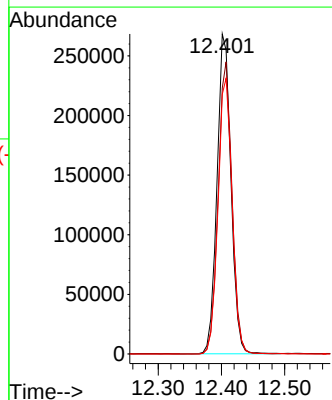
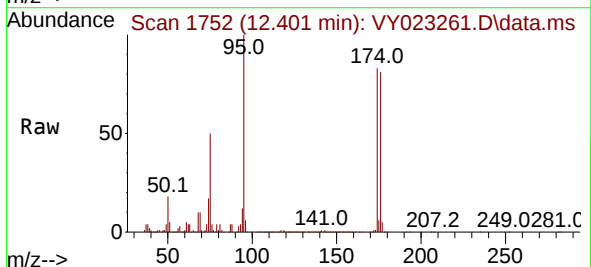
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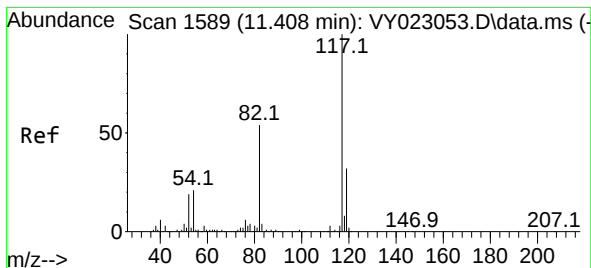
Tgt Ion: 98 Resp: 1322839
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.875 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion: 95 Resp: 408610
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.6
176 87.5 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: VY023261.D

Acq: 02 Sep 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

CONTAINMENT-C

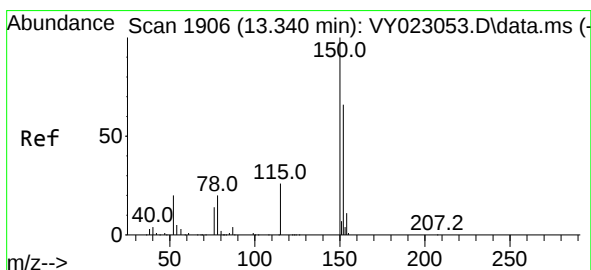
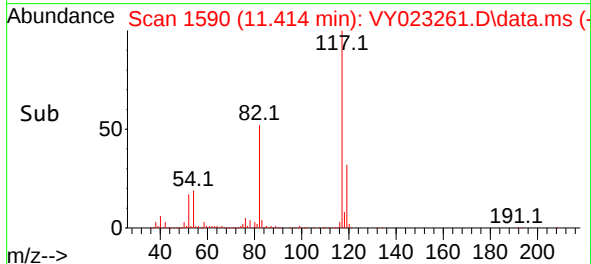
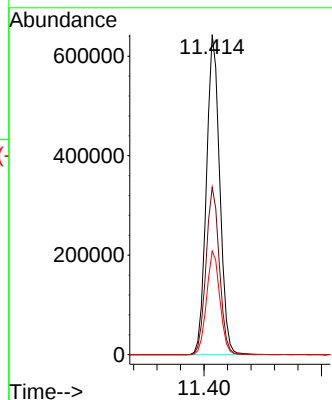
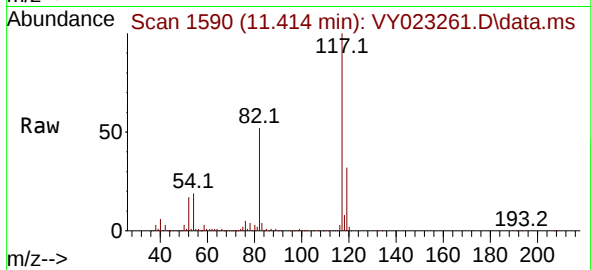
Tgt Ion:117 Resp: 1012599

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.4 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: VY023261.D

Acq: 02 Sep 2025 13:36

Tgt Ion:152 Resp: 426919

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 158.4 0.0 348.0

