

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023266.D
 Acq On : 02 Sep 2025 15:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 03 03:32:28 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	603540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1134196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1048919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	439633	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	313764	54.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.100%
35) Dibromofluoromethane	7.634	113	359742	53.007	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.020%
50) Toluene-d8	10.109	98	1352087	50.998	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.000%
62) 4-Bromofluorobenzene	12.402	95	413842	48.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.080%

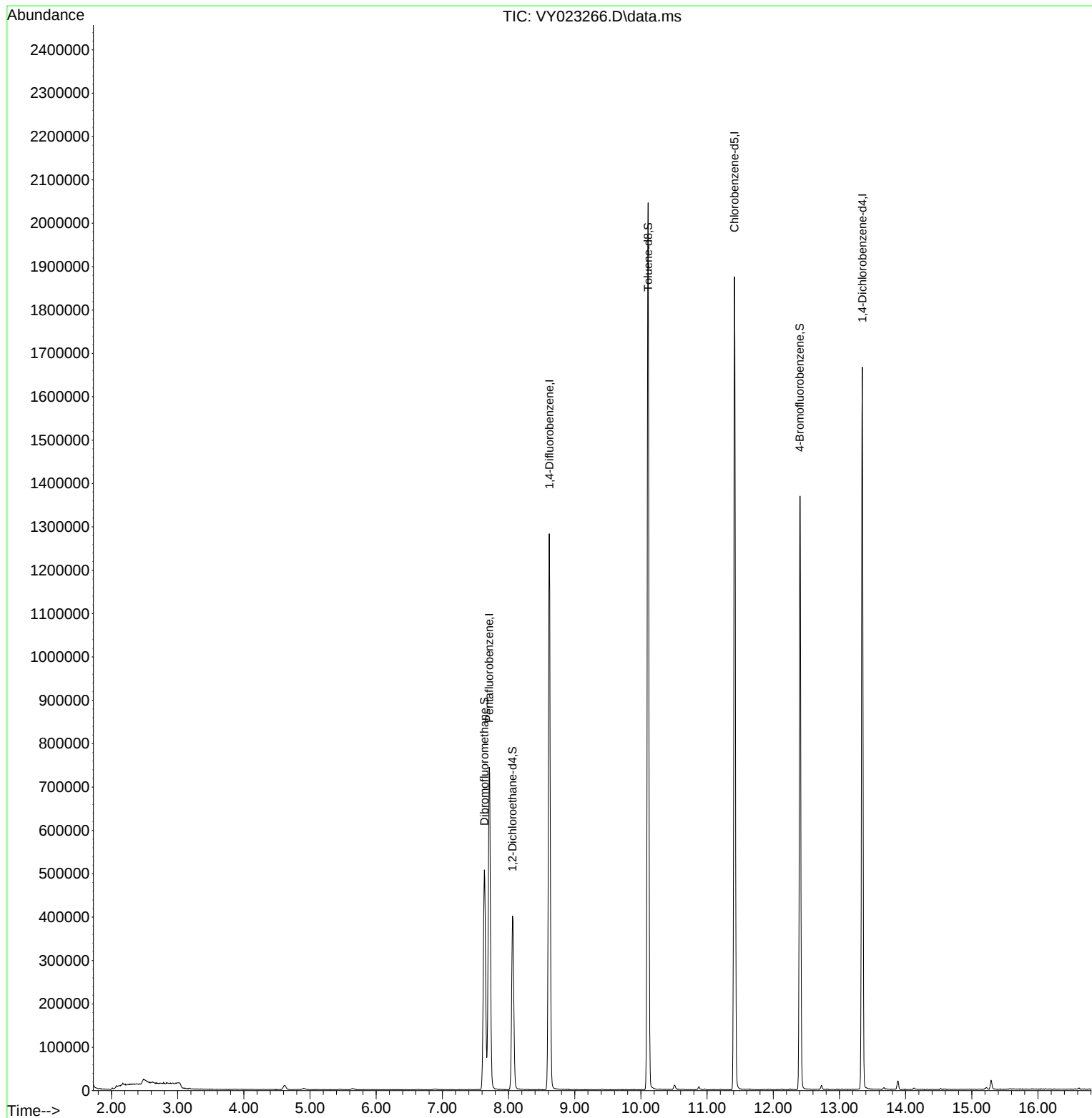
Target Compounds	Qvalue

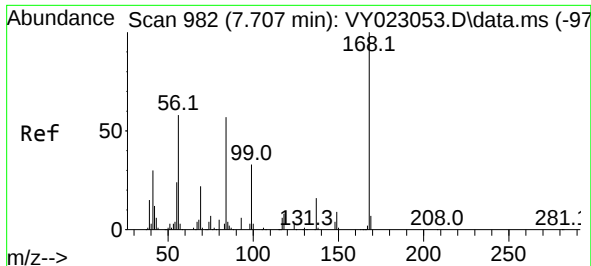
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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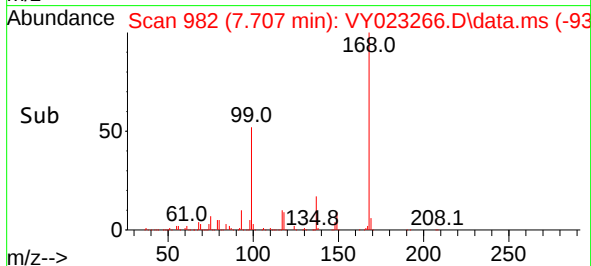
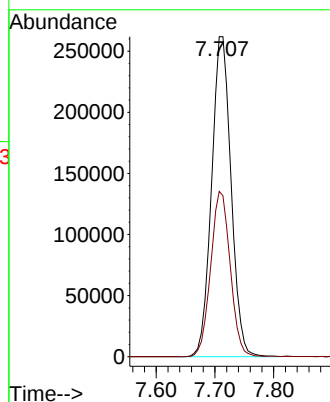
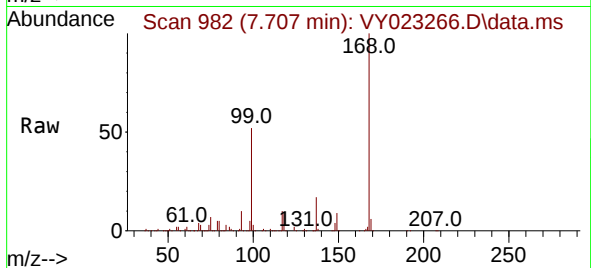




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

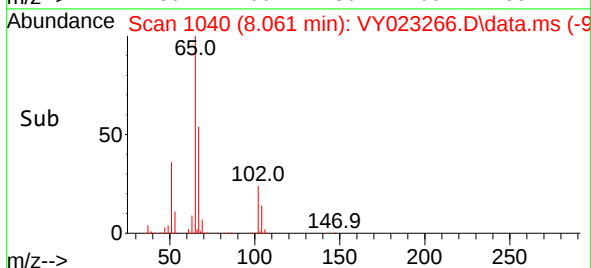
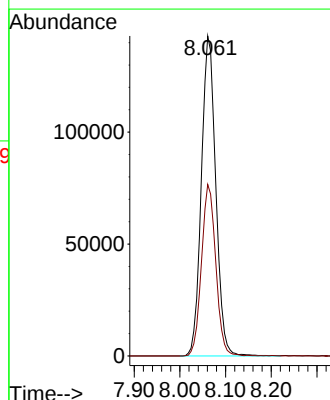
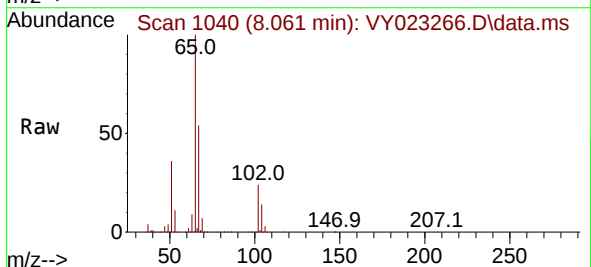
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

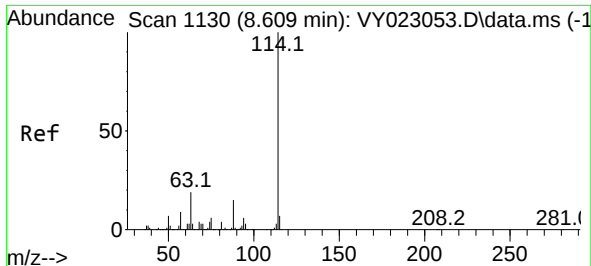
Tgt Ion:168 Resp: 603540
Ion Ratio Lower Upper
168 100
99 51.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.547 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion: 65 Resp: 313764
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

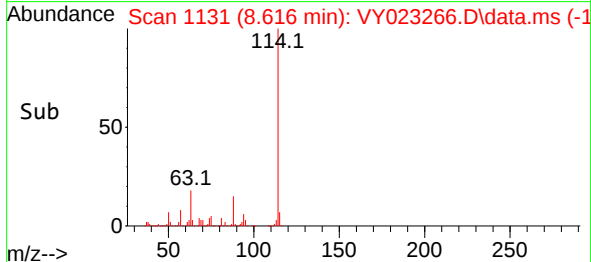
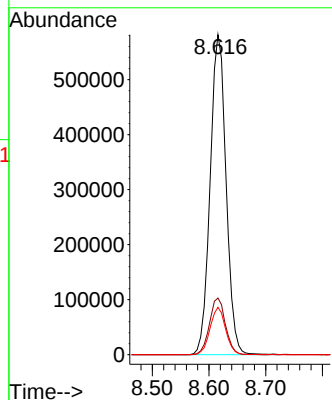
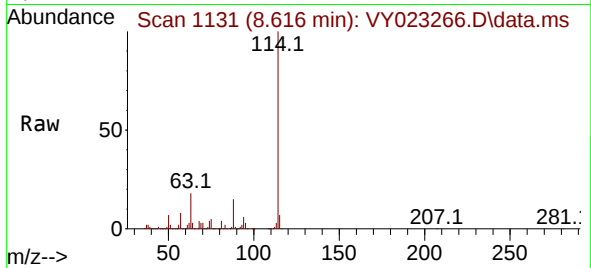




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

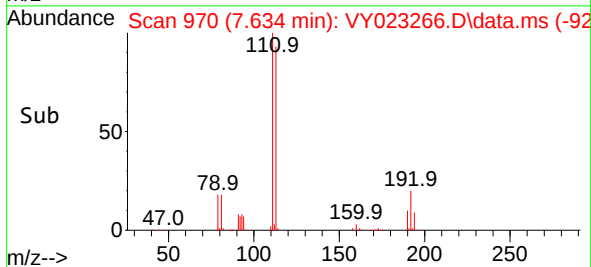
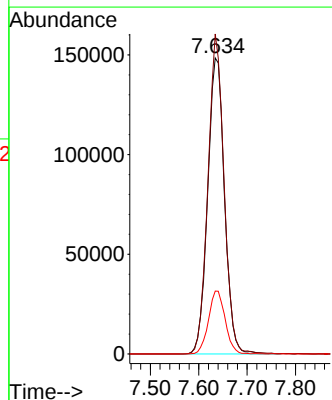
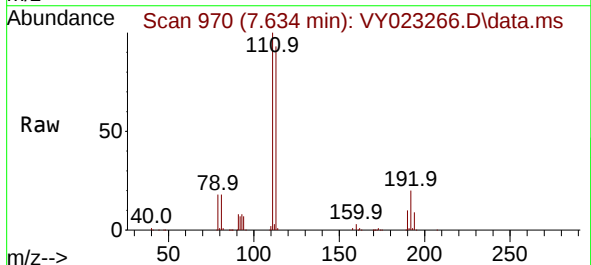
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

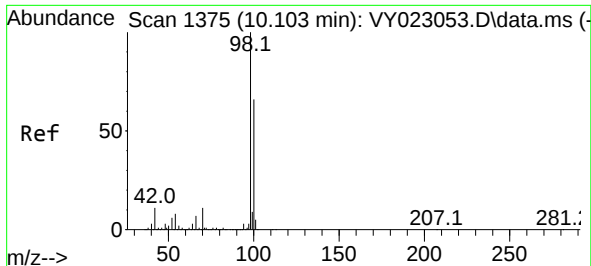
Tgt Ion:114 Resp: 1134196
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.007 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion:113 Resp: 359742
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 21.0 16.2 24.4

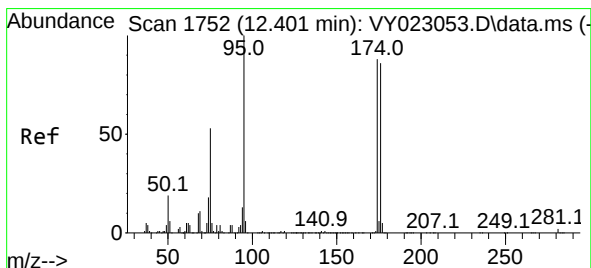
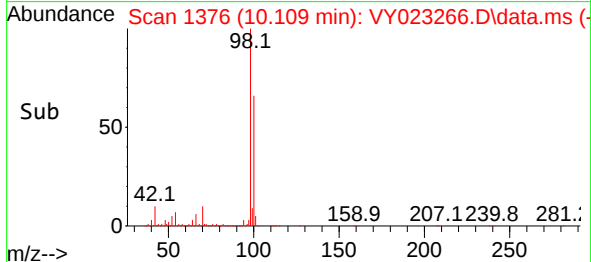
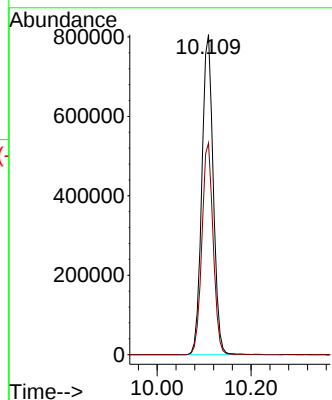
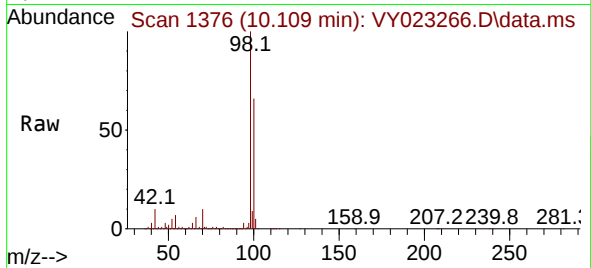




#50
Toluene-d8
Concen: 50.998 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

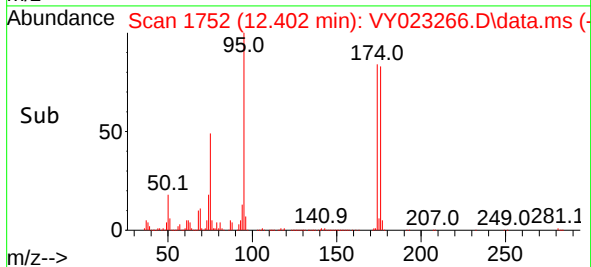
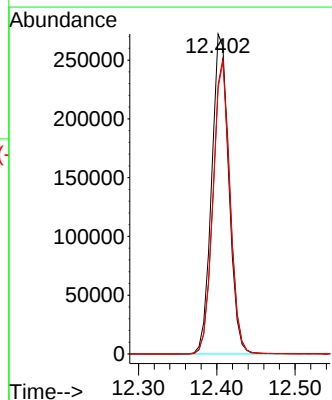
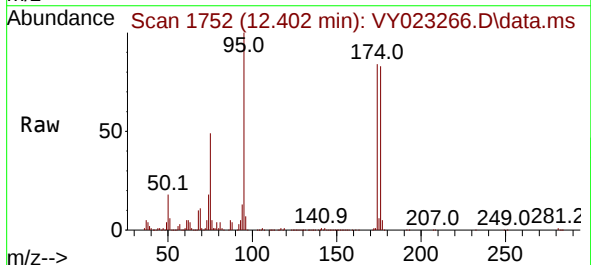
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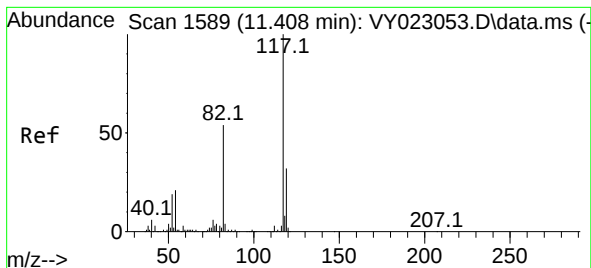
Tgt Ion: 98 Resp: 1352087
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.536 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion: 95 Resp: 413842
Ion Ratio Lower Upper
95 100
174 91.5 0.0 171.6
176 89.3 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: VY023266.D

Acq: 02 Sep 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

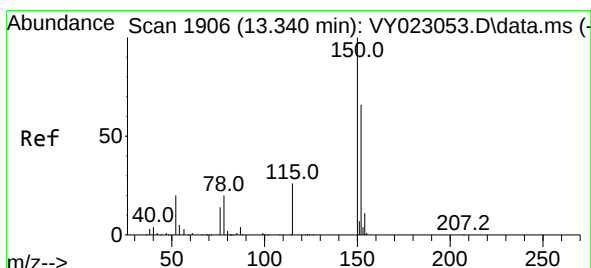
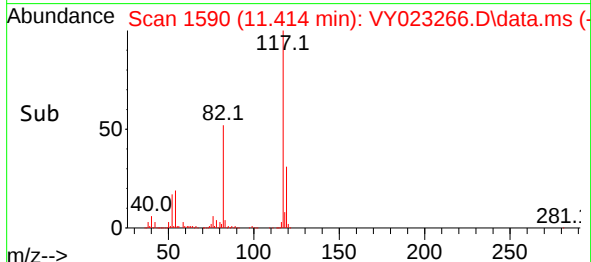
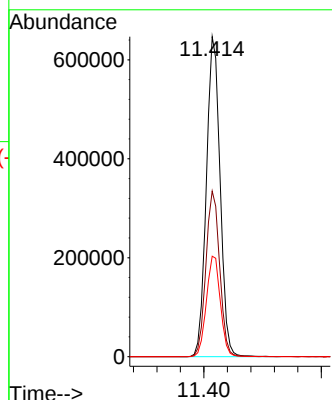
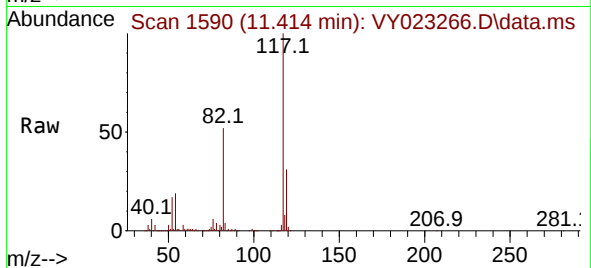
Tgt Ion:117 Resp: 1048919

Ion Ratio Lower Upper

117 100

82 51.7 43.4 65.0

119 31.4 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: VY023266.D

Acq: 02 Sep 2025 15:33

Tgt Ion:152 Resp: 439633

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 155.8 0.0 348.0

