

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022869.D
 Acq On : 27 Jun 2025 18:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 27 23:21:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	299483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	552937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	532431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231700	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160287	47.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.900%
35) Dibromofluoromethane	7.634	113	165853	49.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.640%
50) Toluene-d8	10.109	98	666699	49.964	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.920%
62) 4-Bromofluorobenzene	12.408	95	229135	53.417	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.840%

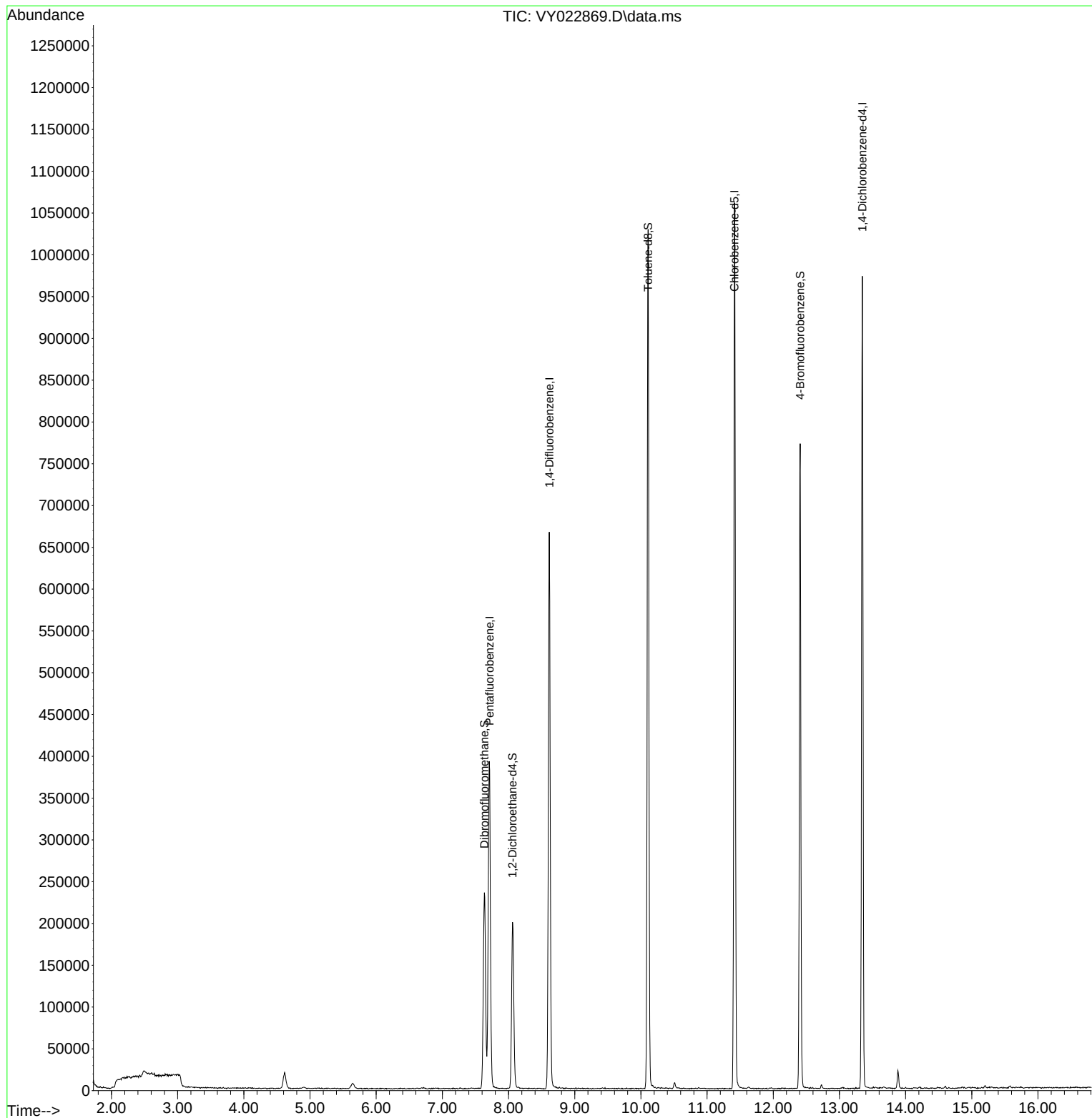
Target Compounds	Qvalue

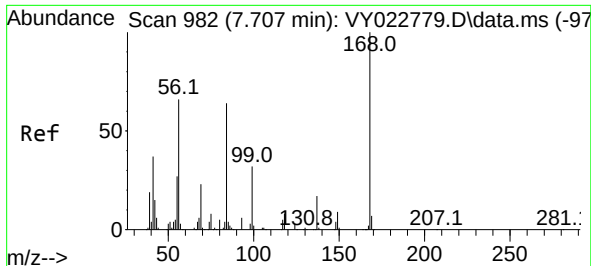
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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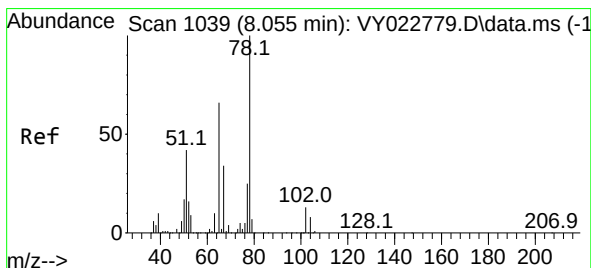
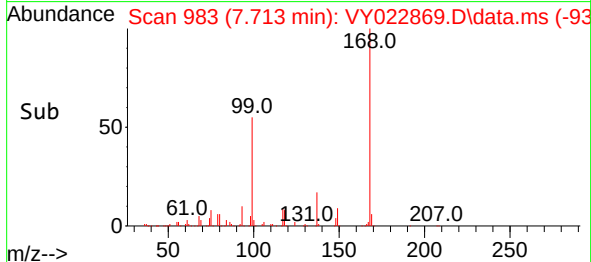
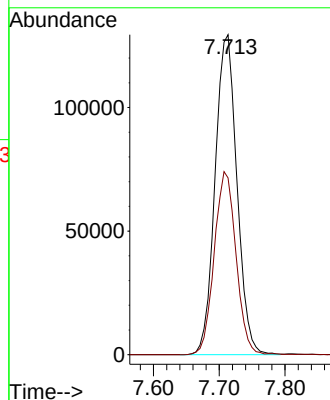
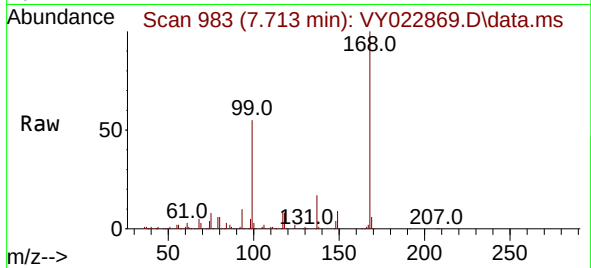




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022869.D
Acq: 27 Jun 2025 18:03

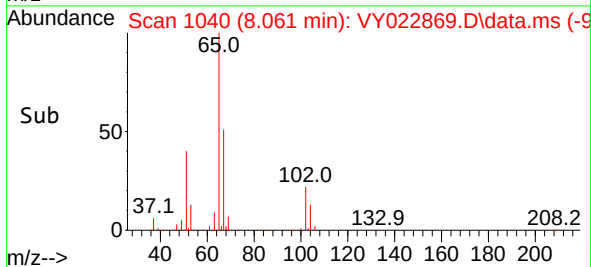
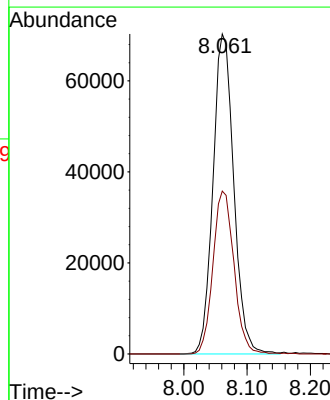
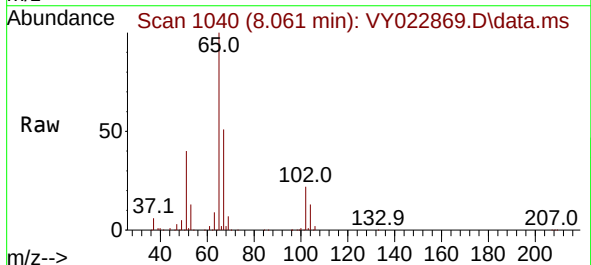
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

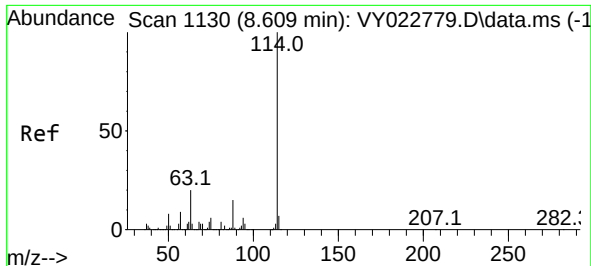
Tgt Ion:168 Resp: 299483
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.954 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022869.D
Acq: 27 Jun 2025 18:03

Tgt Ion: 65 Resp: 160287
Ion Ratio Lower Upper
65 100
67 51.4 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: VY022869.D

Acq: 27 Jun 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

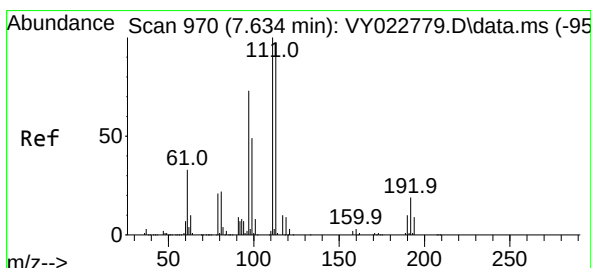
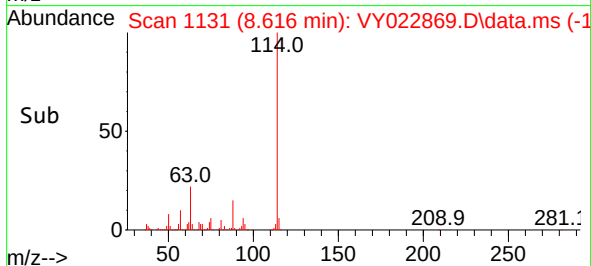
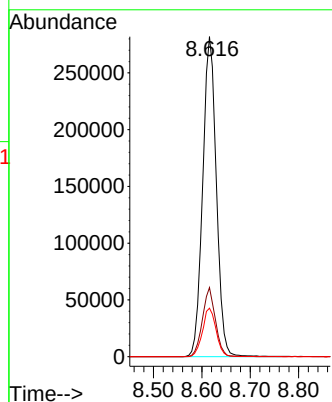
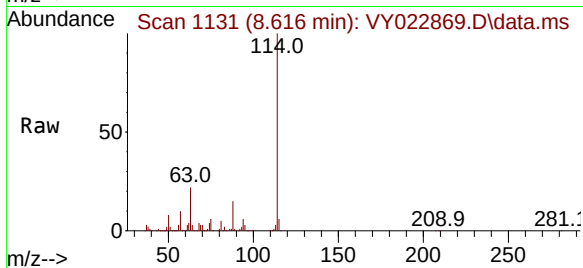
Tgt Ion:114 Resp: 552937

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.321 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022869.D

Acq: 27 Jun 2025 18:03

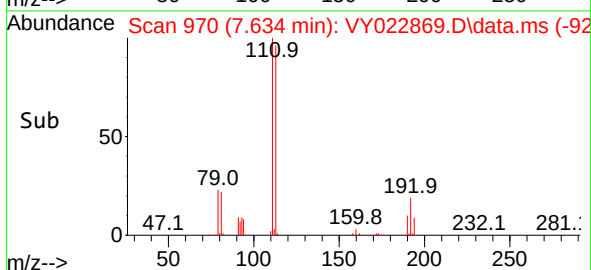
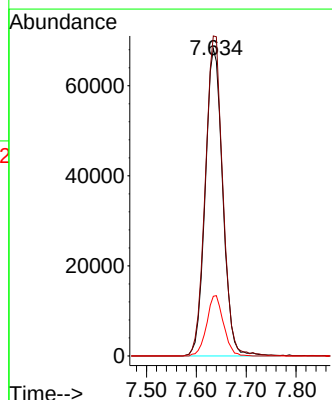
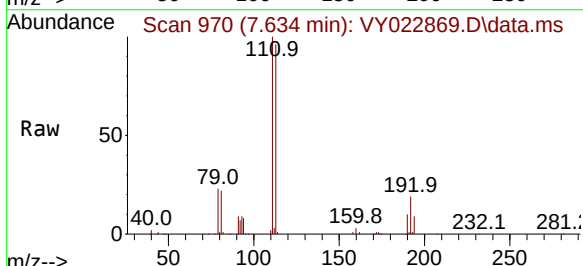
Tgt Ion:113 Resp: 165853

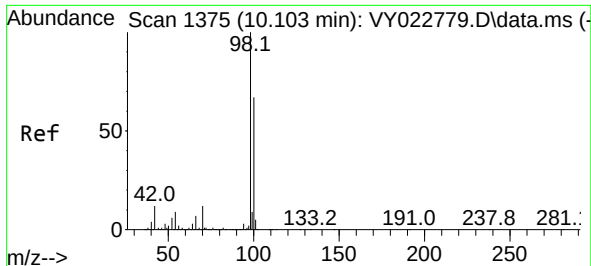
Ion Ratio Lower Upper

113 100

111 104.3 81.1 121.7

192 19.0 14.2 21.2

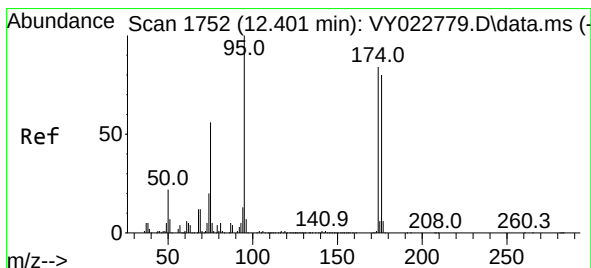
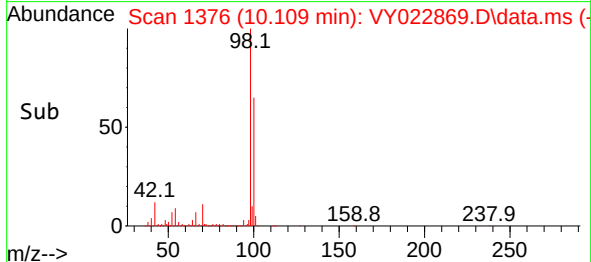
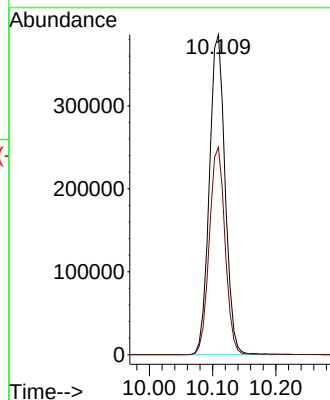
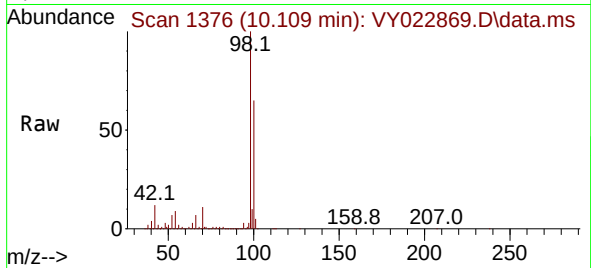




#50
Toluene-d8
Concen: 49.964 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022869.D
Acq: 27 Jun 2025 18:03

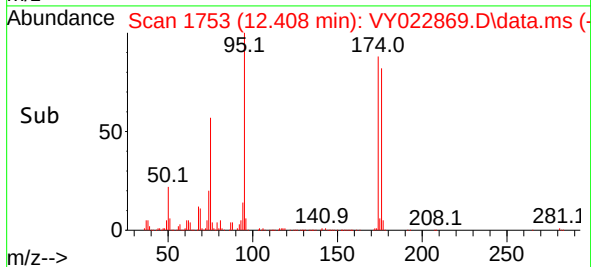
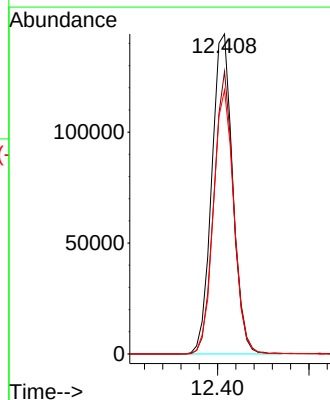
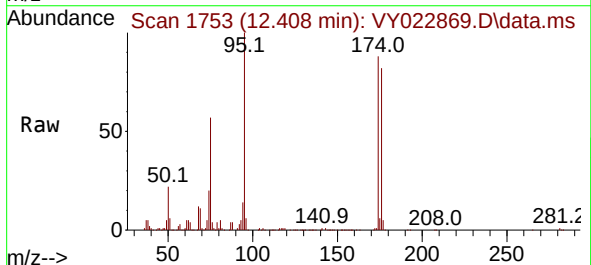
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

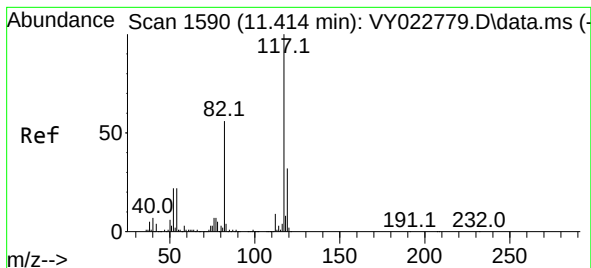
Tgt Ion: 98 Resp: 666699
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.417 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022869.D
Acq: 27 Jun 2025 18:03

Tgt Ion: 95 Resp: 229135
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 80.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022869.D

Acq: 27 Jun 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

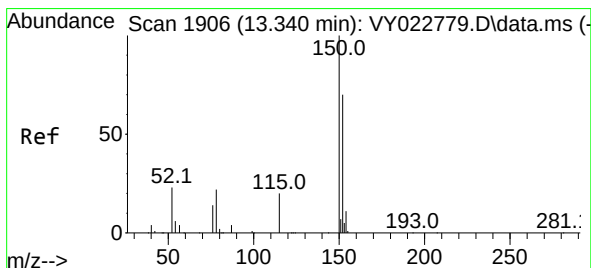
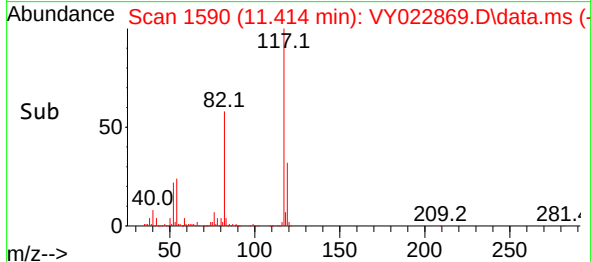
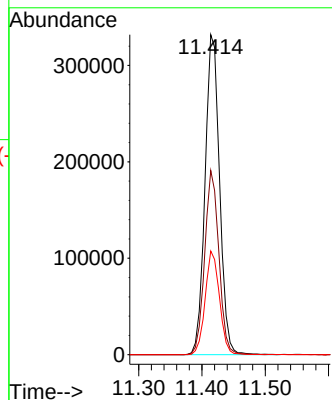
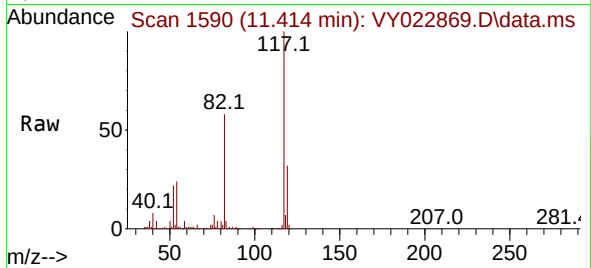
Tgt Ion:117 Resp: 532431

Ion Ratio Lower Upper

117 100

82 57.5 44.6 66.8

119 32.4 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: VY022869.D

Acq: 27 Jun 2025 18:03

Tgt Ion:152 Resp: 231700

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 158.2 0.0 349.6

