

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023957.D
 Acq On : 11 Dec 2025 16:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 12 03:25:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	732493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1252100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1089550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	467455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	358987	55.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.860%
35) Dibromofluoromethane	7.640	113	396122	48.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.800%
50) Toluene-d8	10.109	98	1423099	46.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.408	95	430361	42.289	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.580%

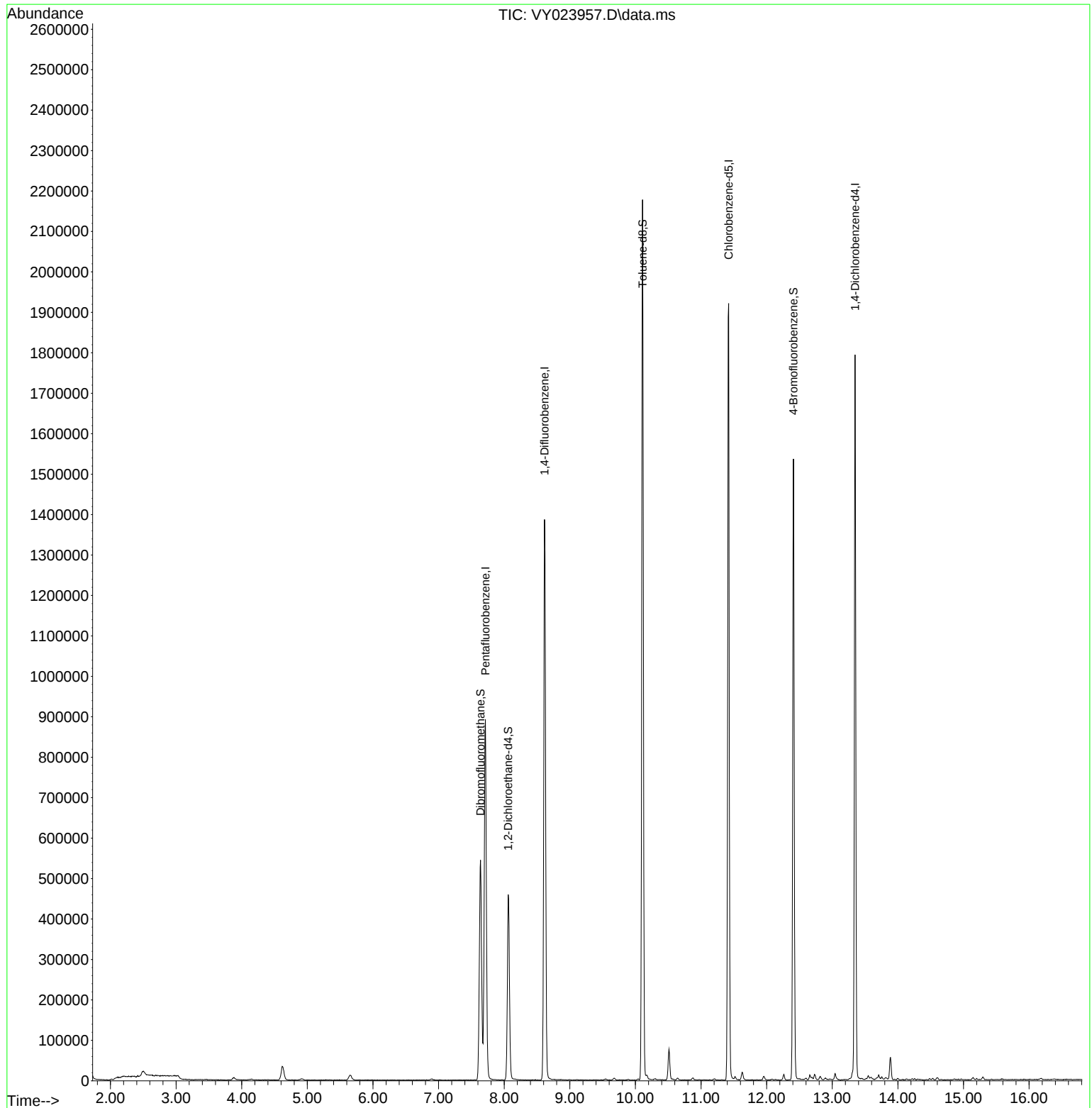
Target Compounds	Qvalue

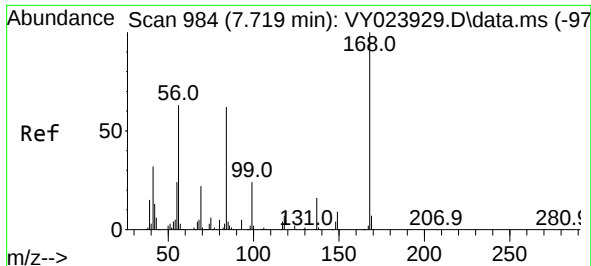
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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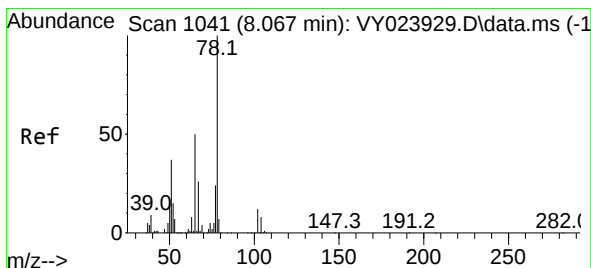
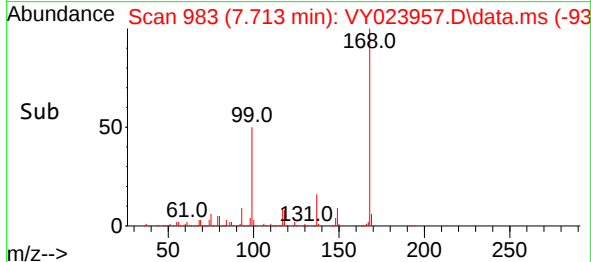
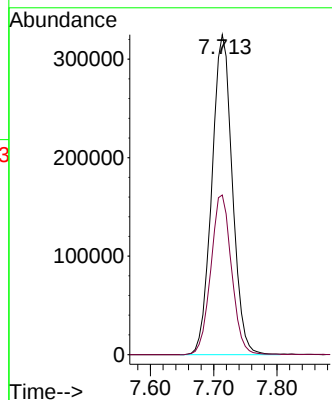
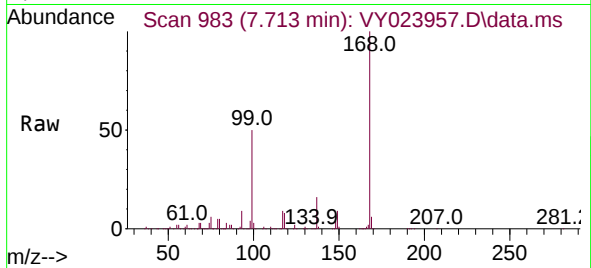




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

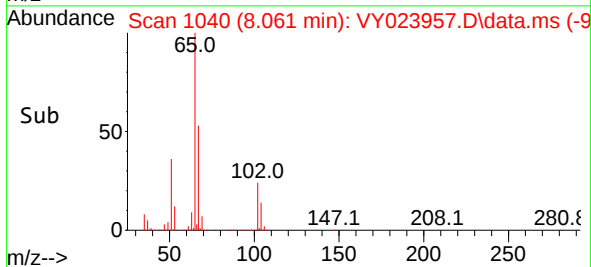
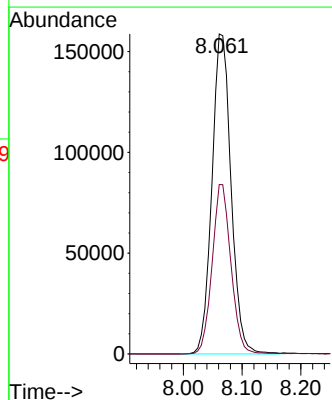
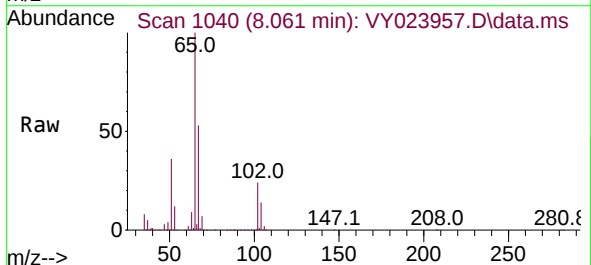
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

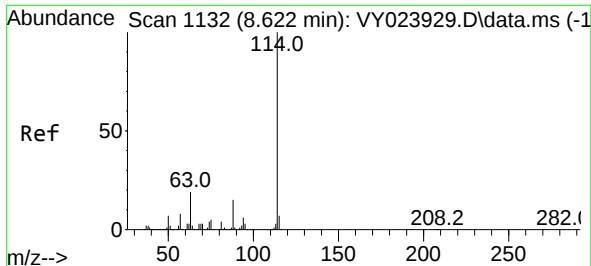
Tgt Ion:168 Resp: 732493
Ion Ratio Lower Upper
168 100
99 49.9 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 55.431 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 65 Resp: 358987
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2

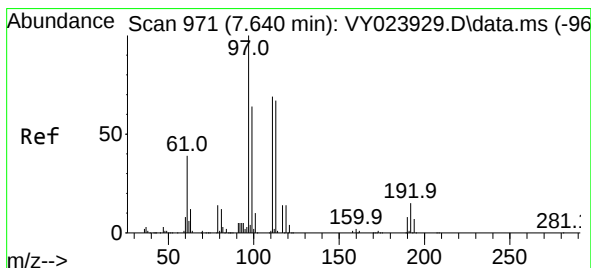
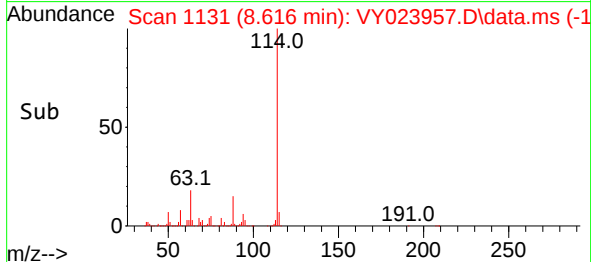
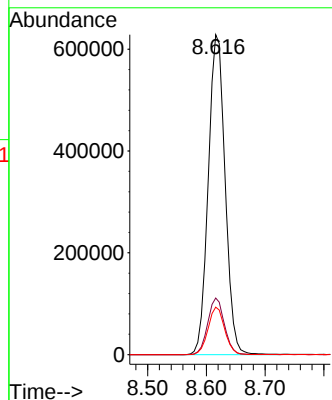
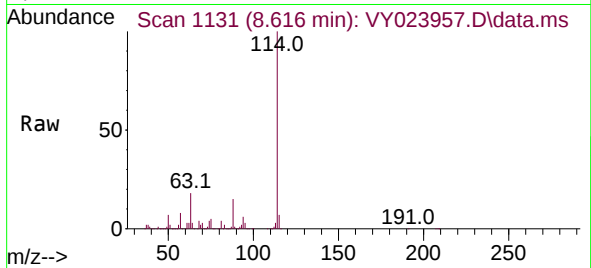




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

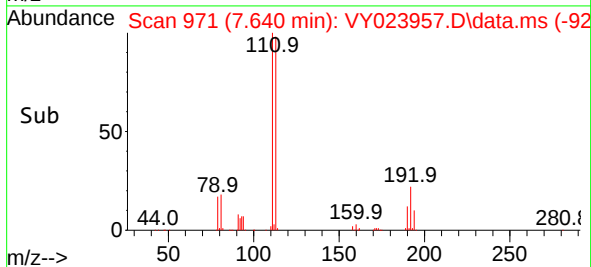
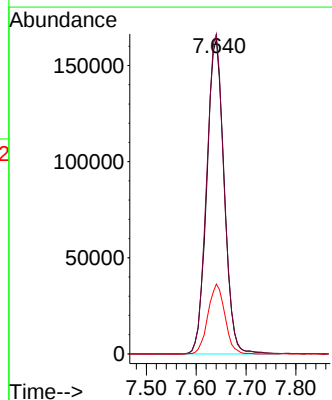
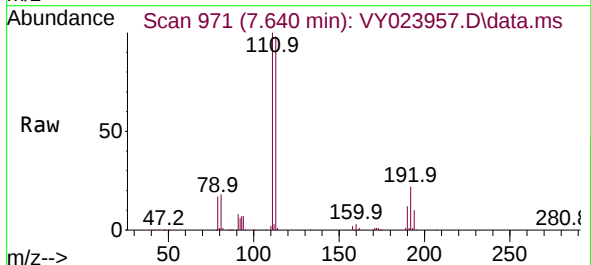
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

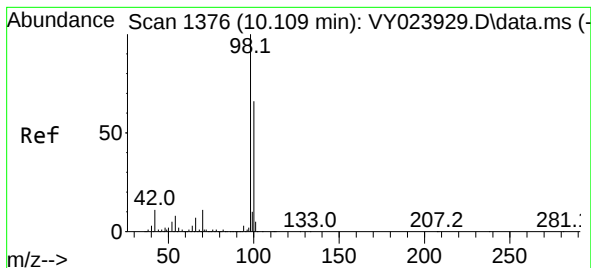
Tgt Ion:114 Resp: 1252100
Ion Ratio Lower Upper
114 100
63 17.7 0.0 37.2
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.397 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion:113 Resp: 396122
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 21.7 17.9 26.9

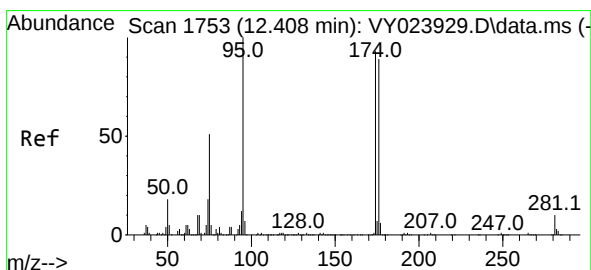
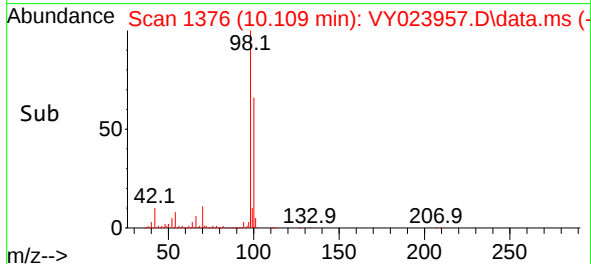
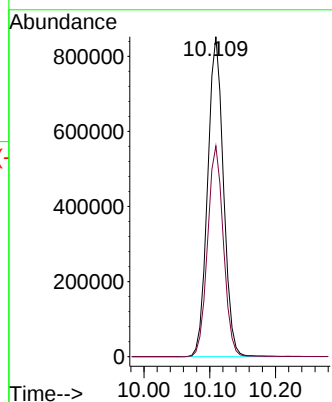
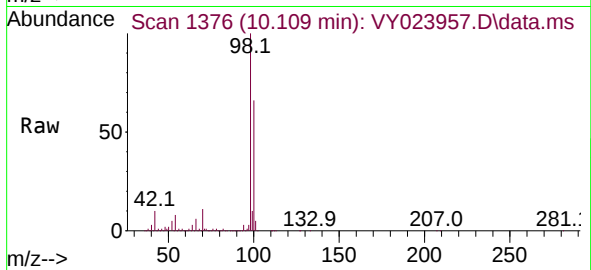




#50
Toluene-d8
Concen: 46.700 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

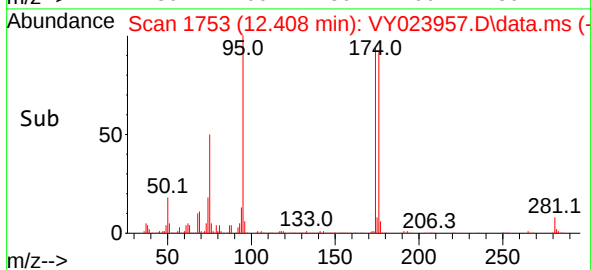
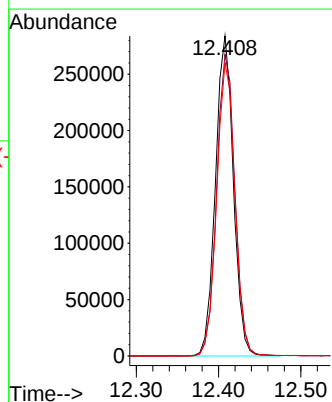
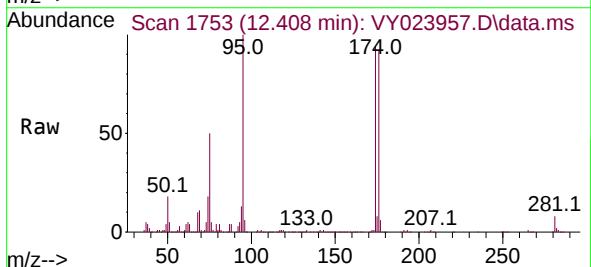
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

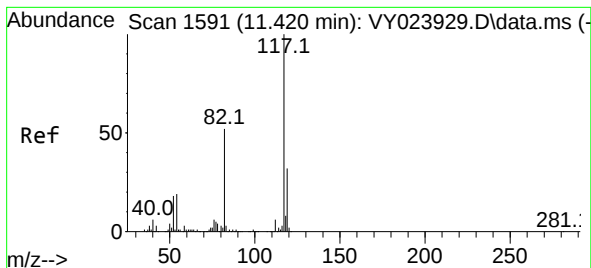
Tgt Ion: 98 Resp: 1423099
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 42.289 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 95 Resp: 430361
Ion Ratio Lower Upper
95 100
174 96.4 0.0 187.4
176 92.8 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023957.D

Acq: 11 Dec 2025 16:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

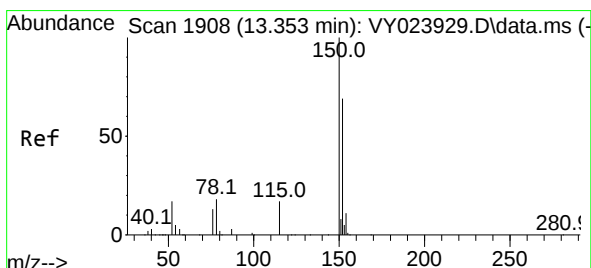
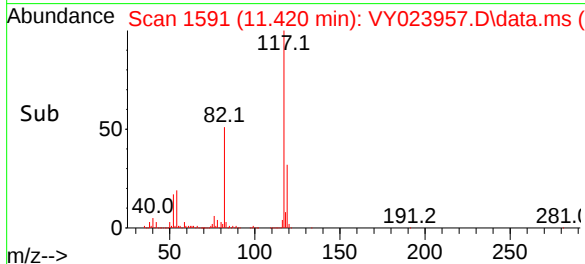
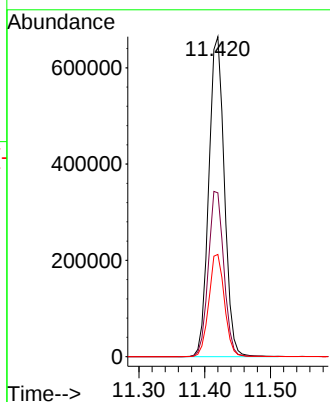
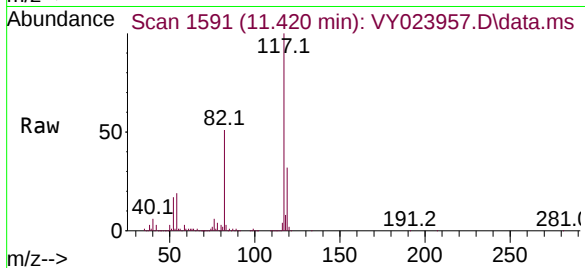
Tgt Ion:117 Resp: 1089550

Ion Ratio Lower Upper

117 100

82 51.2 41.4 62.2

119 31.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY023957.D

Acq: 11 Dec 2025 16:05

Tgt Ion:152 Resp: 467455

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

150 156.1 0.0 347.6

