

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023697.D
 Acq On : 06 Nov 2025 11:08
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 07 04:15:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	757583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1314487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1086554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	409348	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	365351	56.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.080%
35) Dibromofluoromethane	7.634	113	413740	50.366	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.740%
50) Toluene-d8	10.109	98	1479663	48.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.700%
62) 4-Bromofluorobenzene	12.408	95	408619	41.292	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.580%

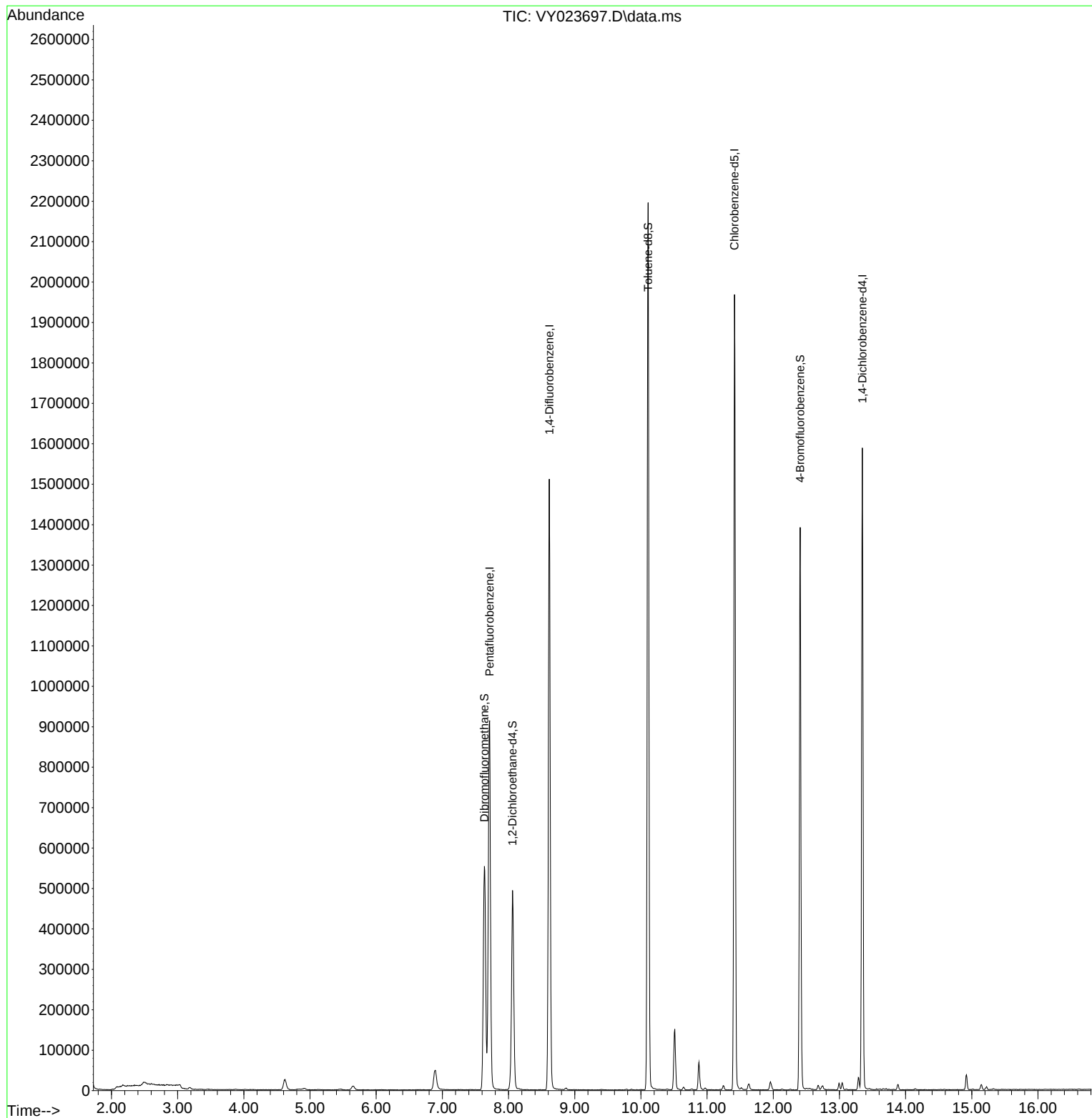
Target Compounds	Qvalue

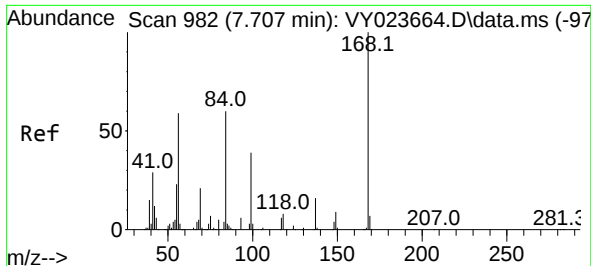
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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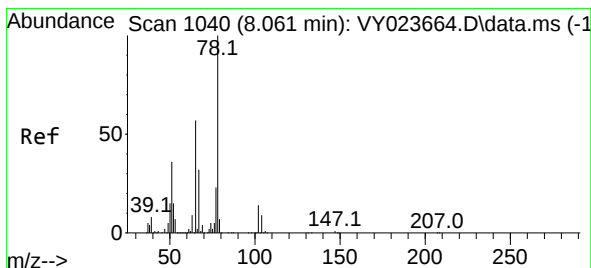
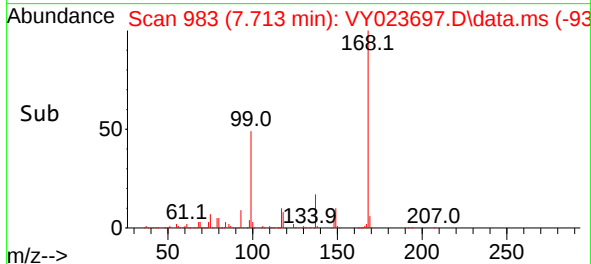
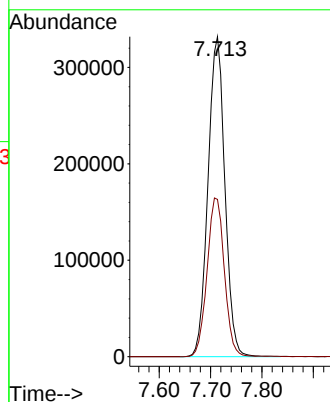
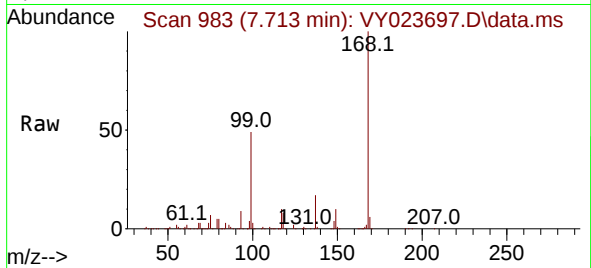




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

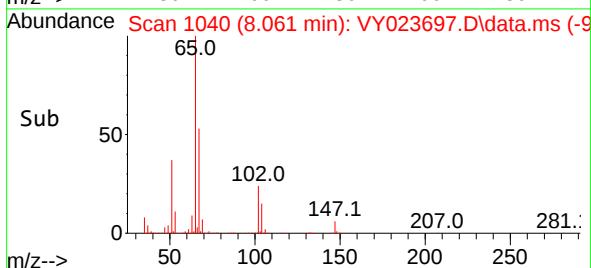
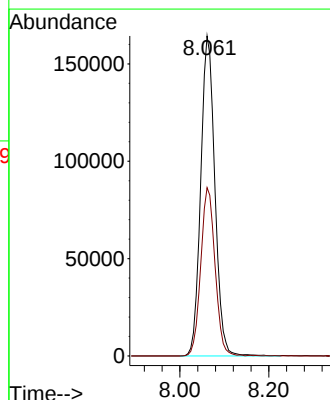
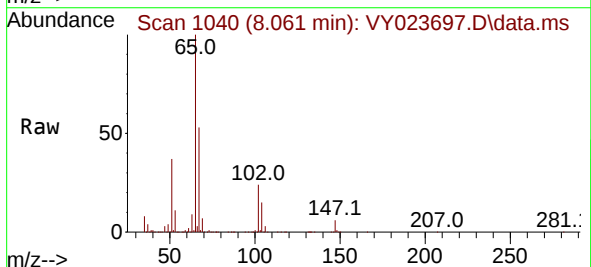
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

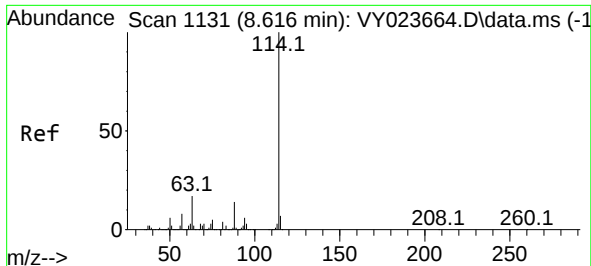
Tgt Ion:168 Resp: 757583
Ion Ratio Lower Upper
168 100
99 49.2 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 56.536 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 65 Resp: 365351
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

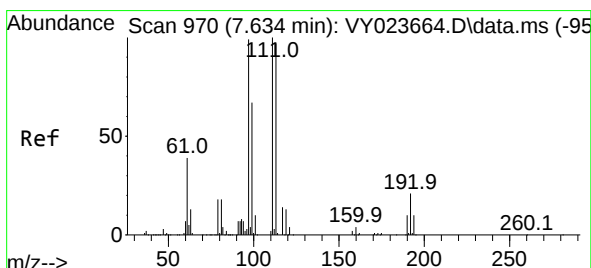
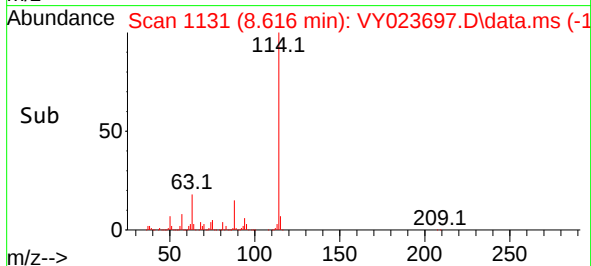
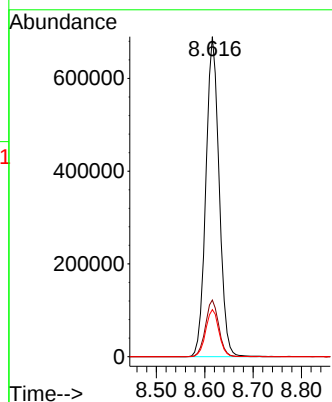
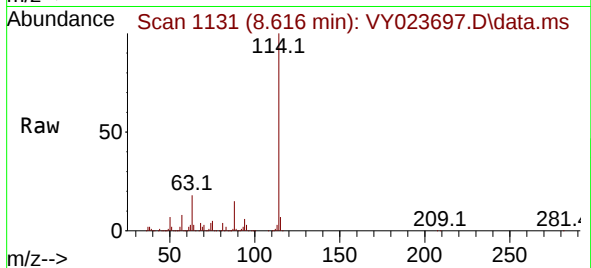
Tgt Ion:114 Resp: 1314487

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.366 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

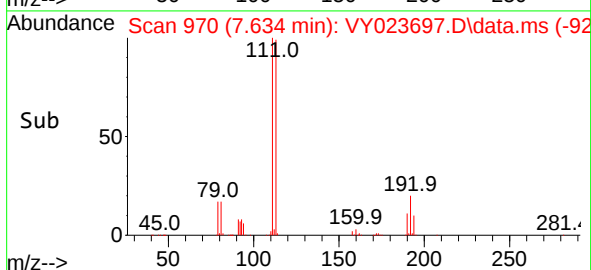
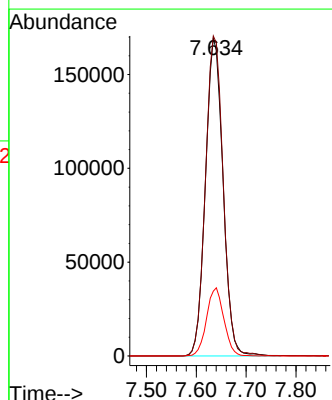
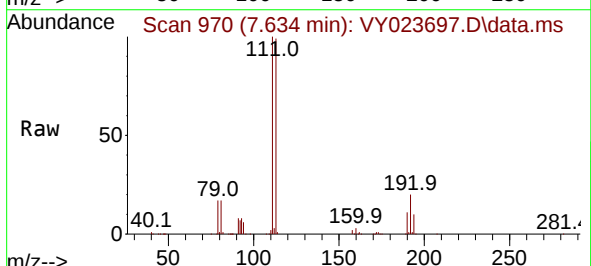
Tgt Ion:113 Resp: 413740

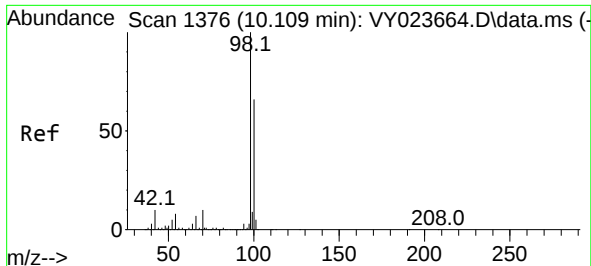
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 21.1 17.3 25.9

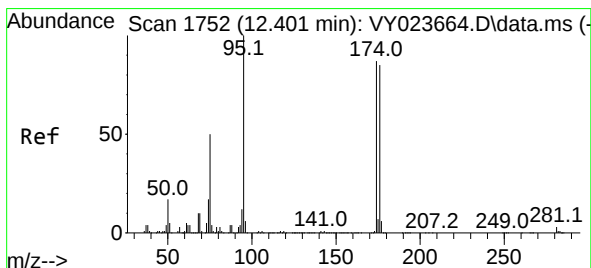
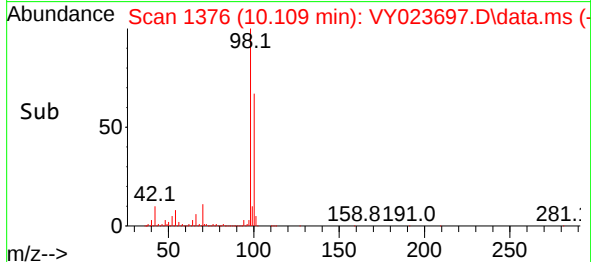
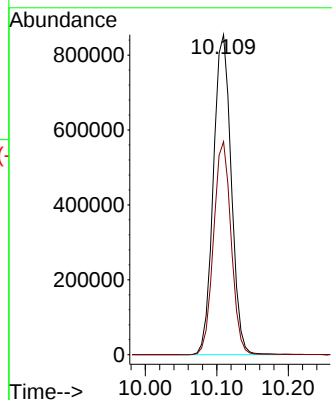
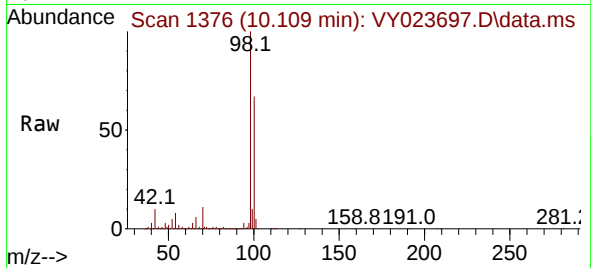




#50
Toluene-d8
Concen: 48.355 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

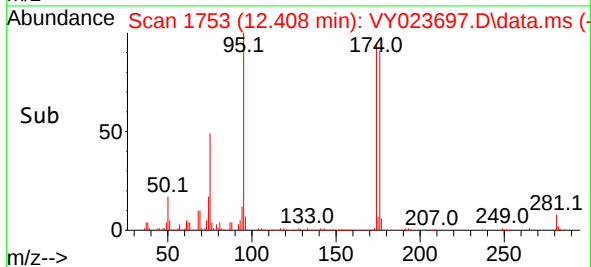
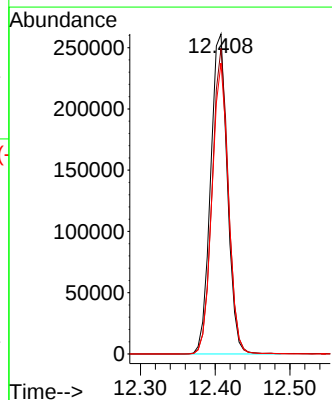
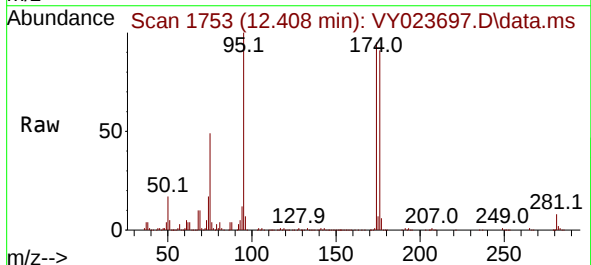
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

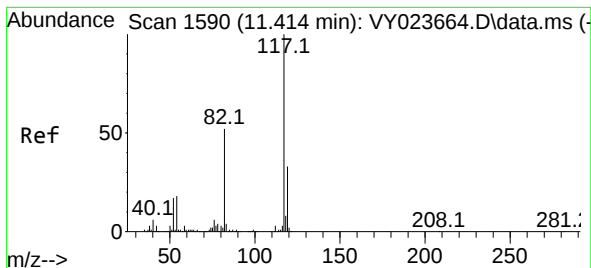
Tgt Ion: 98 Resp: 1479663
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.292 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 95 Resp: 408619
Ion Ratio Lower Upper
95 100
174 92.3 0.0 184.8
176 88.9 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

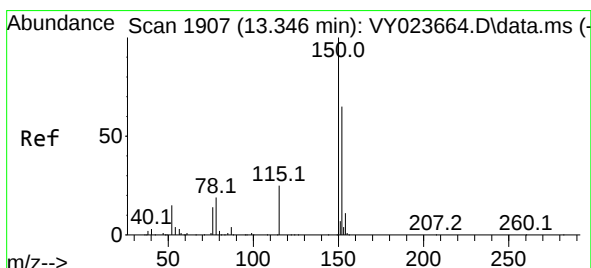
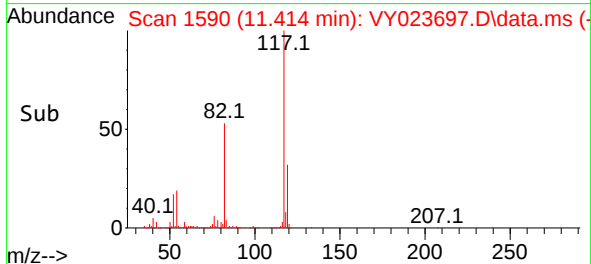
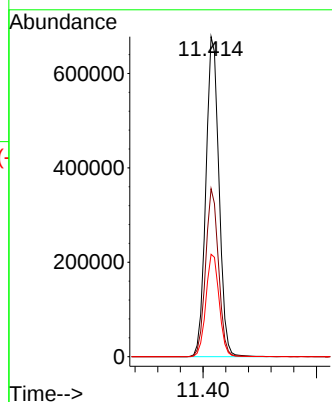
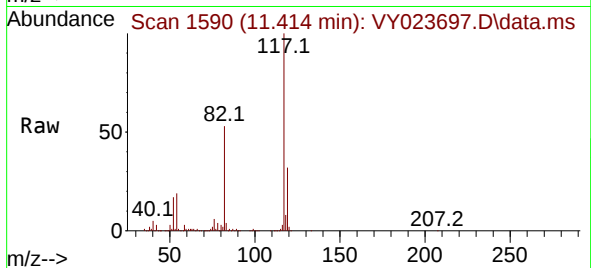
Tgt Ion:117 Resp: 1086554

Ion Ratio Lower Upper

117 100

82 52.5 41.2 61.8

119 32.0 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

Tgt Ion:152 Resp: 409348

Ion Ratio Lower Upper

152 100

115 56.9 27.5 82.5

150 160.1 0.0 349.0

