

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023134.D
 Acq On : 15 Aug 2025 18:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 18 02:33:30 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	543809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1021282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	907494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370192	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	285460	55.078	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.160%
35) Dibromofluoromethane	7.628	113	314306	51.433	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.860%
50) Toluene-d8	10.103	98	1246667	52.220	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.440%
62) 4-Bromofluorobenzene	12.401	95	364399	47.463	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.920%

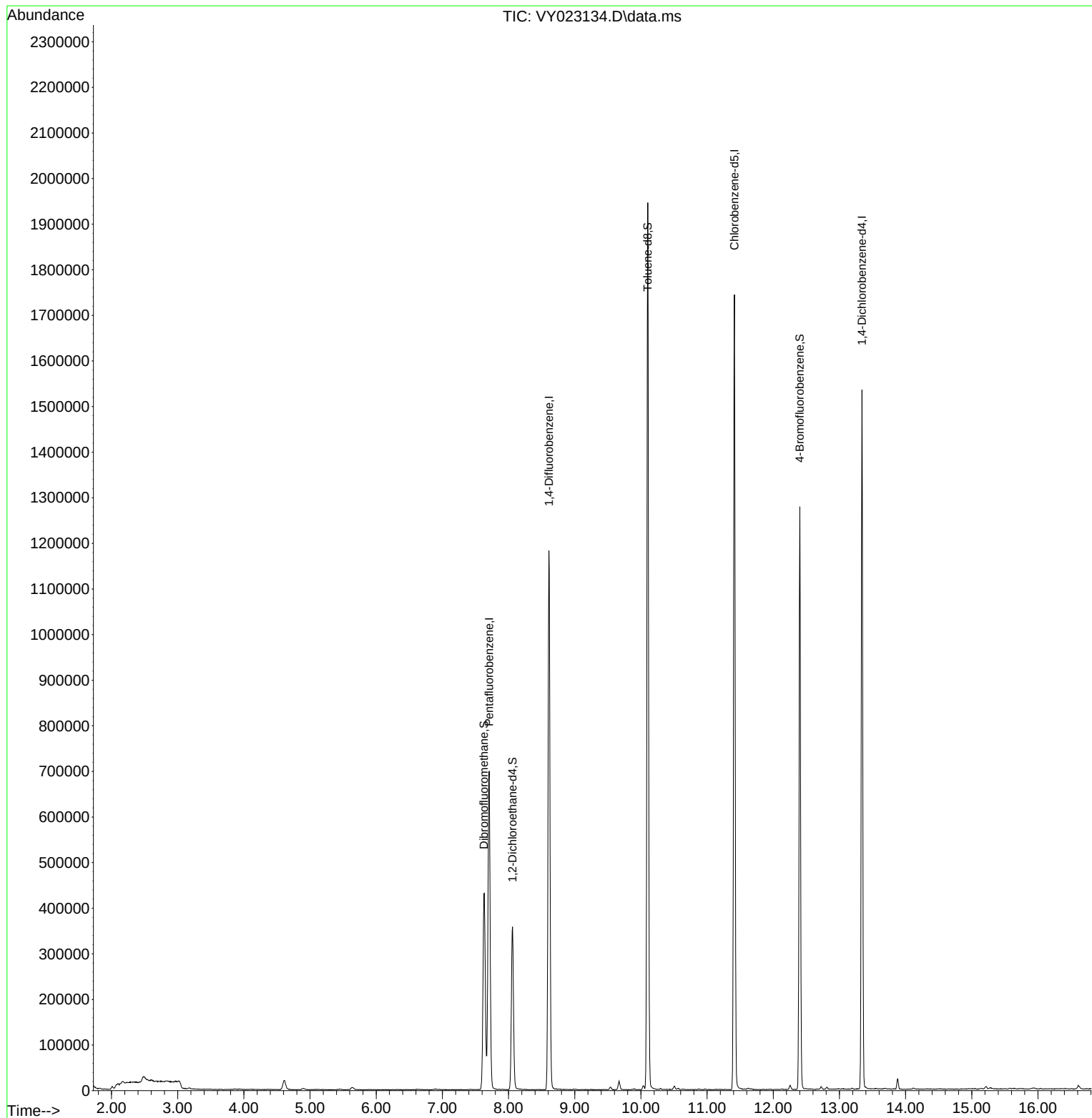
Target Compounds	Qvalue

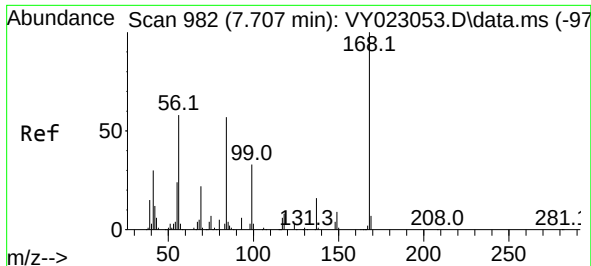
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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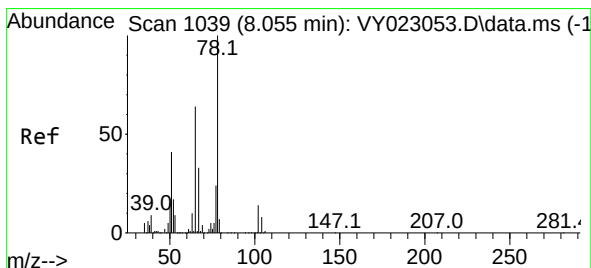
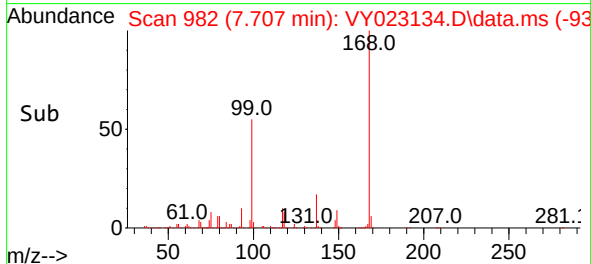
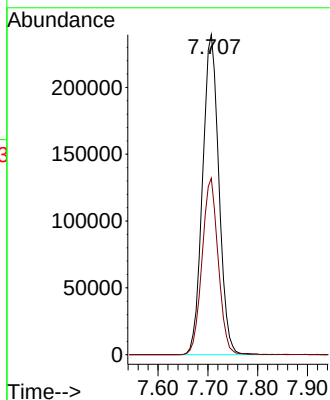
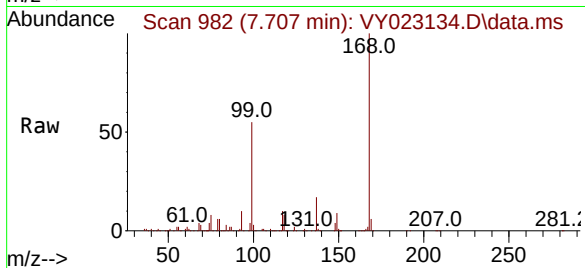




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023134.D
Acq: 15 Aug 2025 18:43

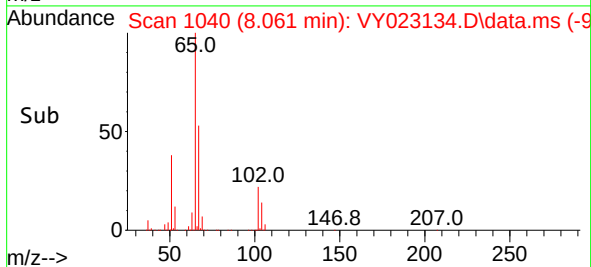
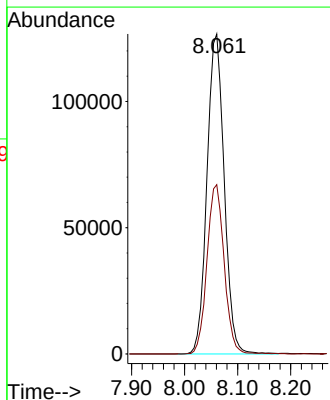
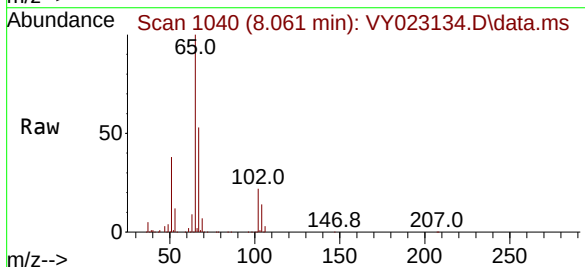
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

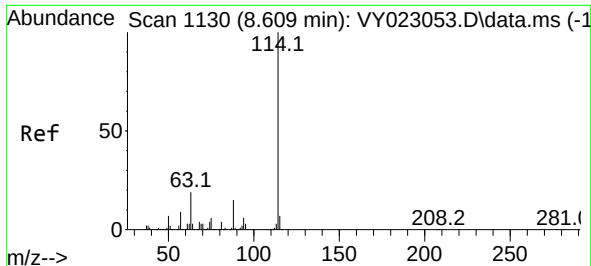
Tgt Ion:168 Resp: 543809
Ion Ratio Lower Upper
168 100
99 55.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.078 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023134.D
Acq: 15 Aug 2025 18:43

Tgt Ion: 65 Resp: 285460
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

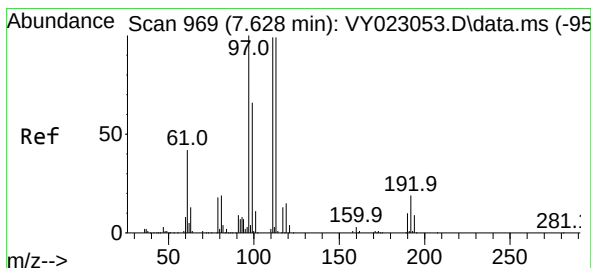
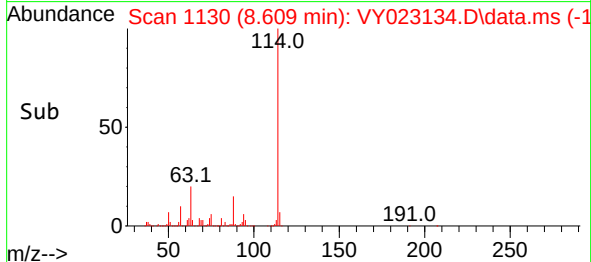
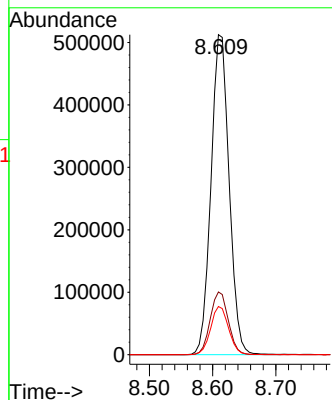
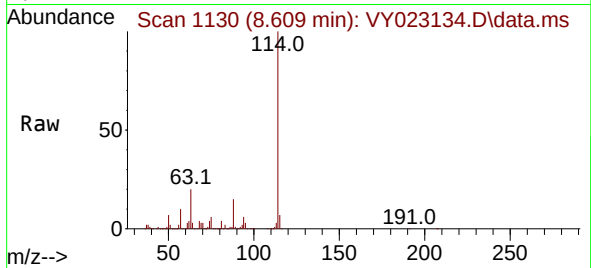




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VY023134.D
Acq: 15 Aug 2025 18:43

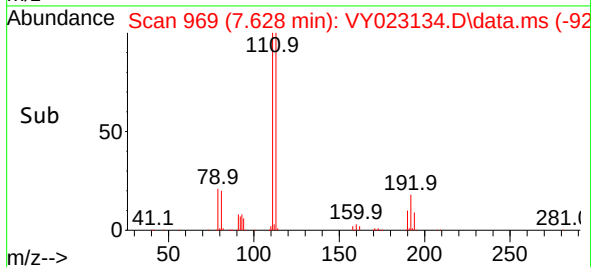
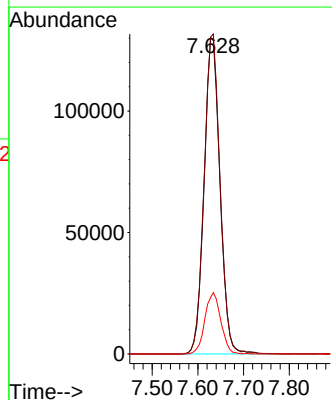
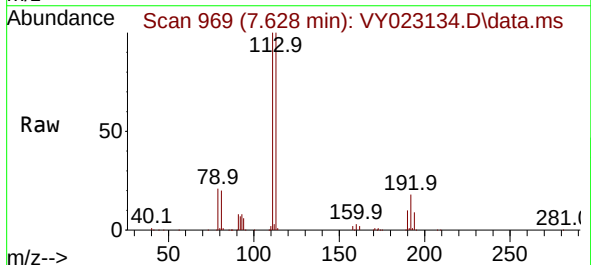
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

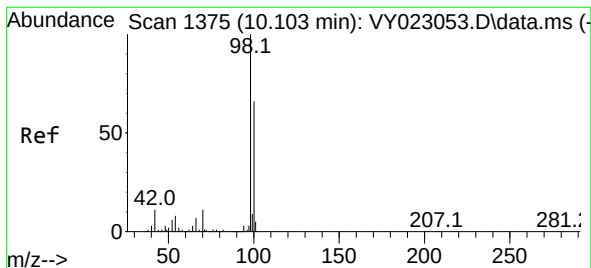
Tgt Ion:114 Resp: 1021282
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.4
88 15.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 51.433 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY023134.D
Acq: 15 Aug 2025 18:43

Tgt Ion:113 Resp: 314306
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 19.4 16.2 24.4

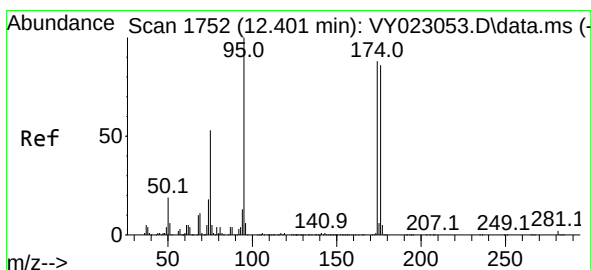
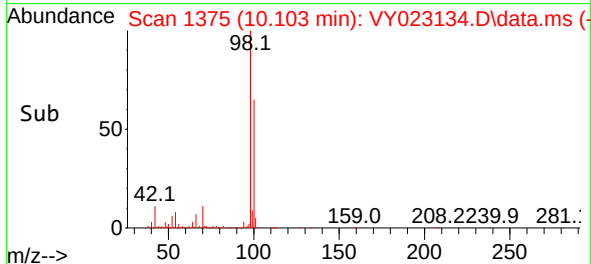
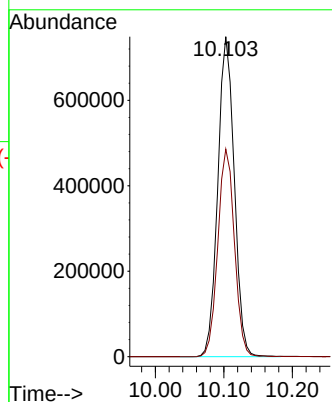
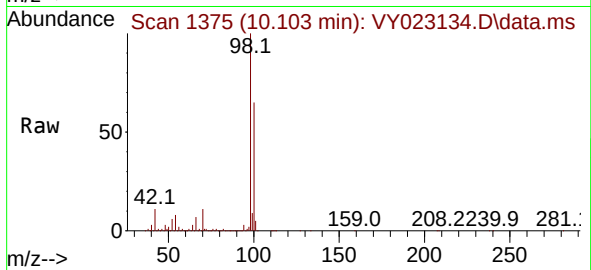




#50
Toluene-d8
Concen: 52.220 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023134.D
Acq: 15 Aug 2025 18:43

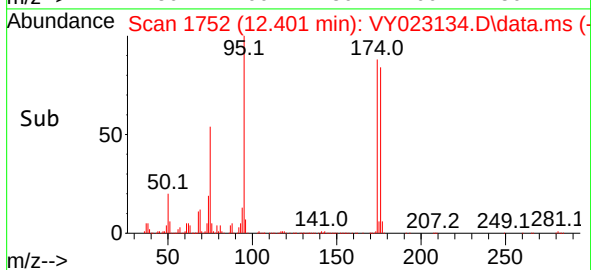
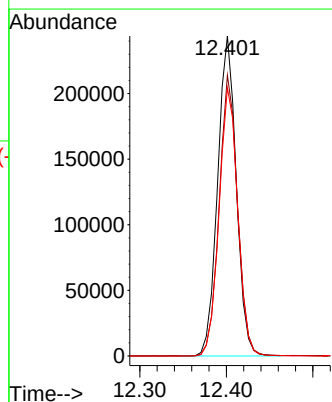
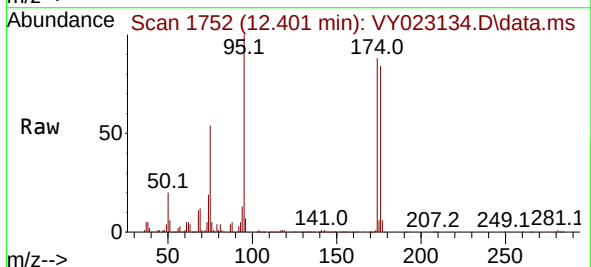
Instrument :
MSVOA_Y
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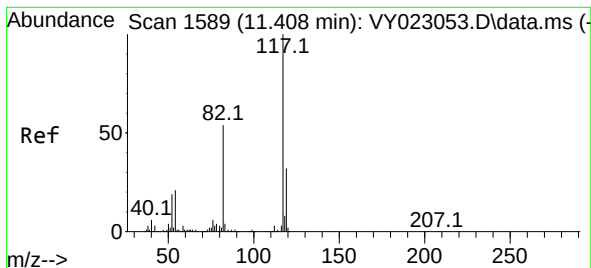
Tgt Ion: 98 Resp: 1246667
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.463 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023134.D
Acq: 15 Aug 2025 18:43

Tgt Ion: 95 Resp: 364399
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 83.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023134.D

Acq: 15 Aug 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

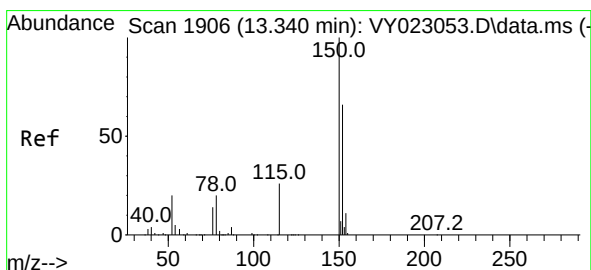
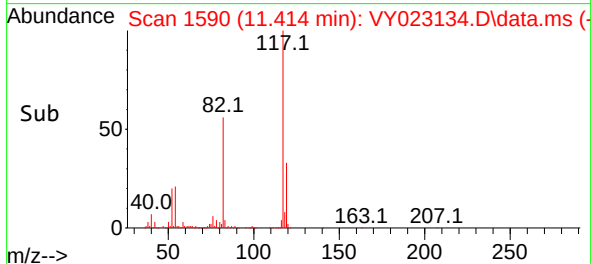
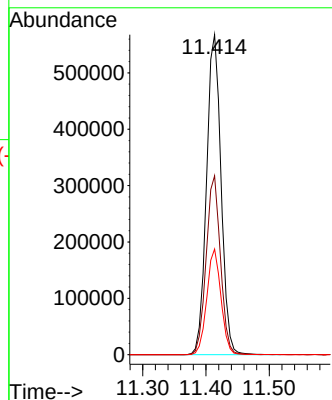
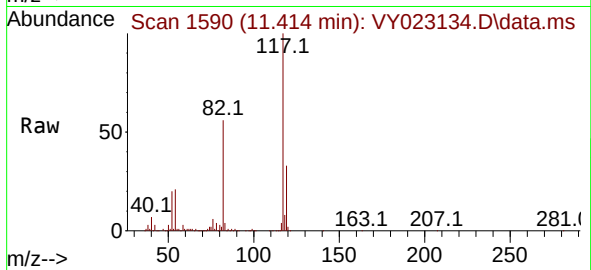
Tgt Ion:117 Resp: 907494

Ion Ratio Lower Upper

117 100

82 55.9 43.4 65.0

119 33.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023134.D

Acq: 15 Aug 2025 18:43

Tgt Ion:152 Resp: 370192

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.6

150 157.3 0.0 348.0

