

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080357.D
 Acq On : 15 May 2025 19:02
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: May 16 03:02:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.870	168	180	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.788	114	793	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.582	117	2027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.317	152	1668	50.000	ug/l	-0.20

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	174	74.752	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	149.500%
35) Dibromofluoromethane	7.823	113	77	14.487	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	28.980%#
50) Toluene-d8	10.264	98	1099	52.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.960%
62) 4-Bromofluorobenzene	12.576	95	2008	298.738	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	597.480%#

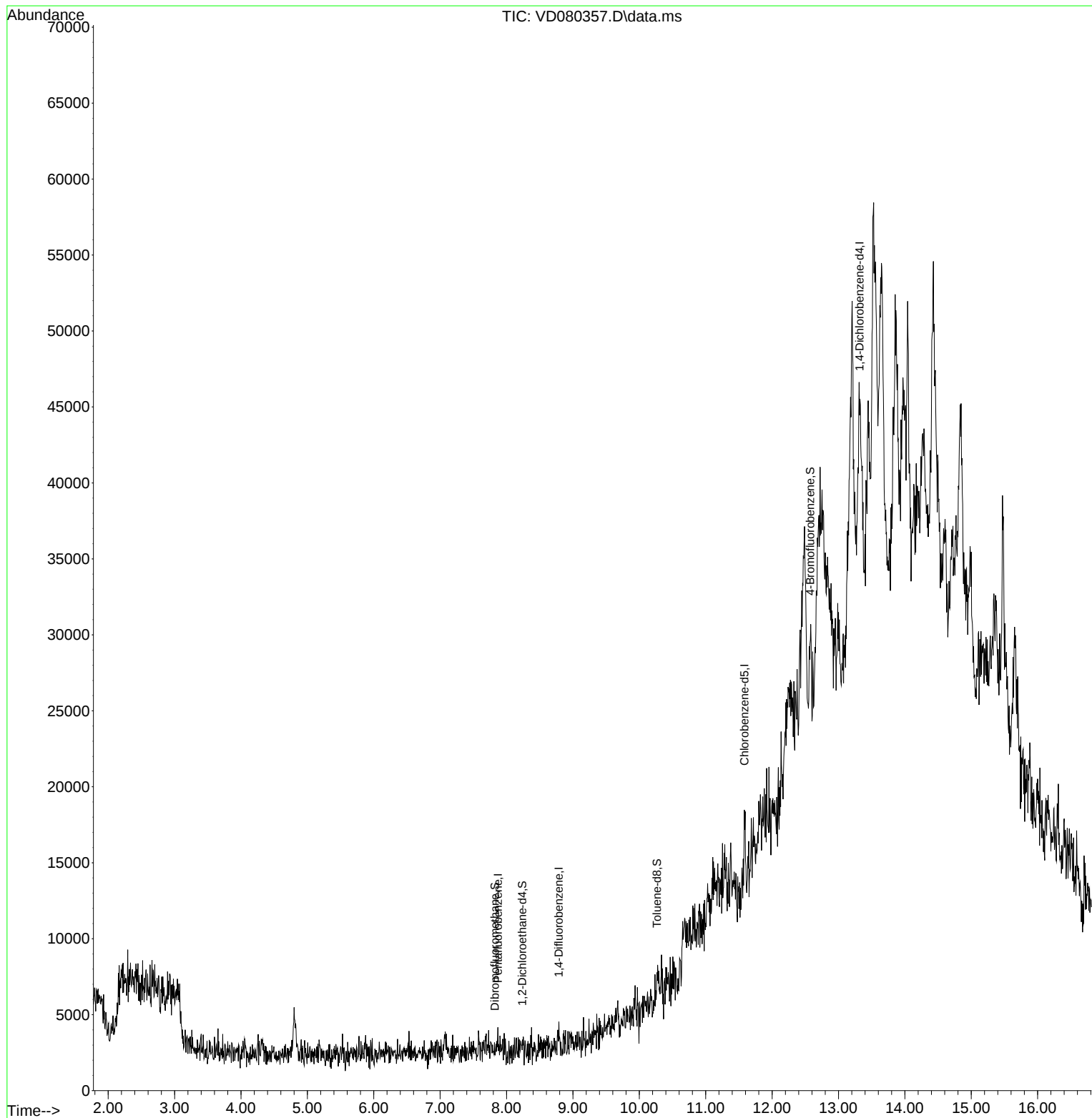
Target Compounds	Qvalue

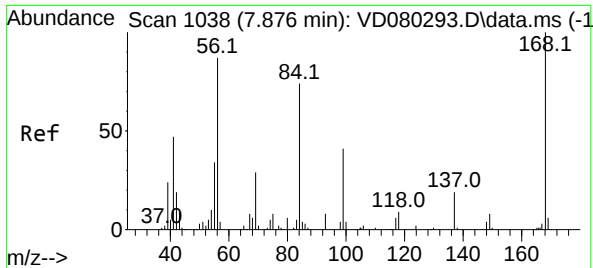
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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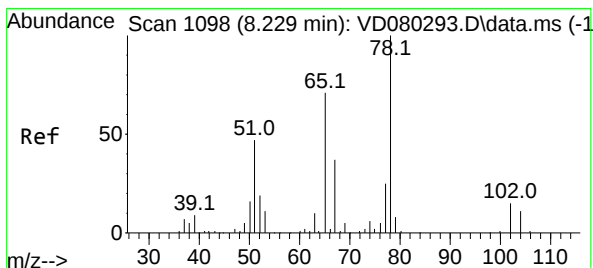
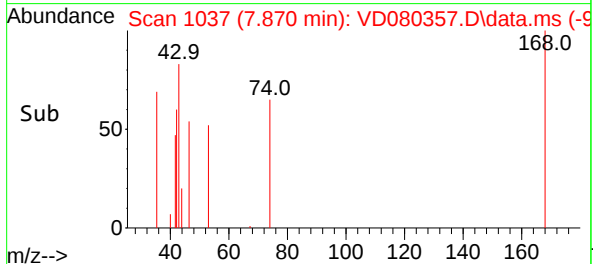
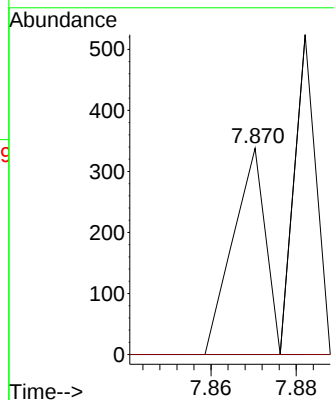
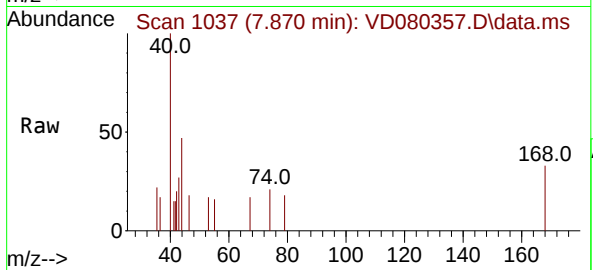




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.870 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080357.D
Acq: 15 May 2025 19:02

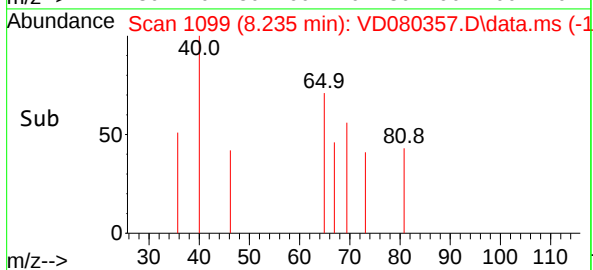
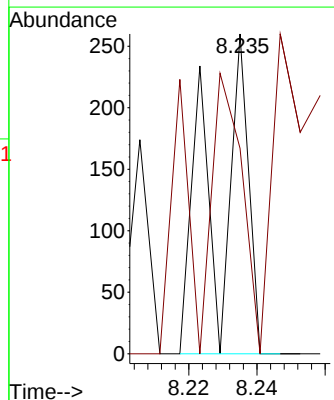
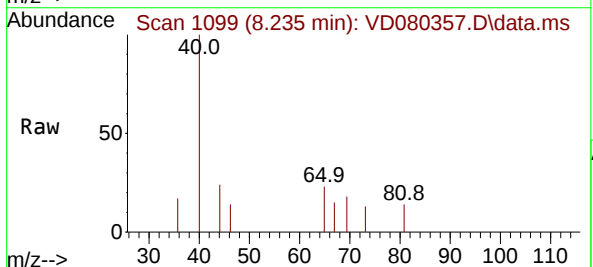
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

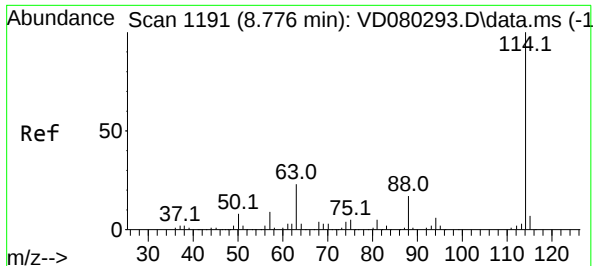
Tgt Ion:168 Resp: 180
Ion Ratio Lower Upper
168 100
99 0.0 46.0 69.0#



#33
1,2-Dichloroethane-d4
Concen: 74.752 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080357.D
Acq: 15 May 2025 19:02

Tgt Ion: 65 Resp: 174
Ion Ratio Lower Upper
65 100
67 79.9 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.788 min Scan# 1193

Delta R.T. 0.013 min

Lab File: VD080357.D

Acq: 15 May 2025 19:02

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

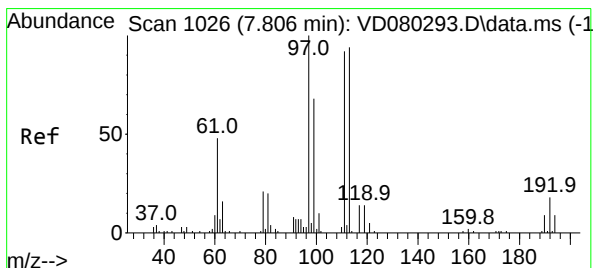
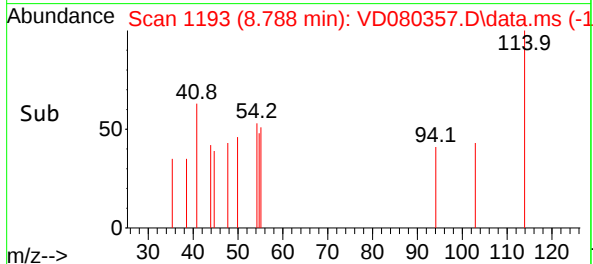
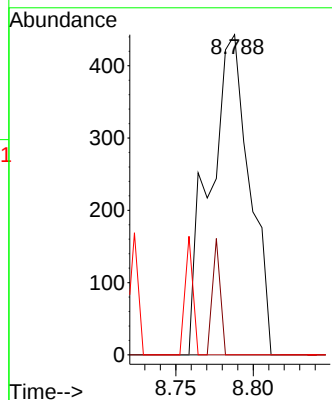
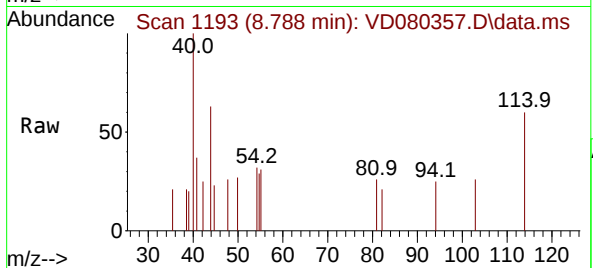
Tgt Ion:114 Resp: 793

Ion Ratio Lower Upper

114 100

63 0.0 0.0 38.8

88 0.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 14.487 ug/l

RT: 7.823 min Scan# 1029

Delta R.T. 0.018 min

Lab File: VD080357.D

Acq: 15 May 2025 19:02

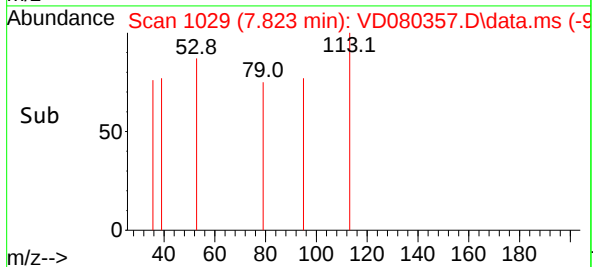
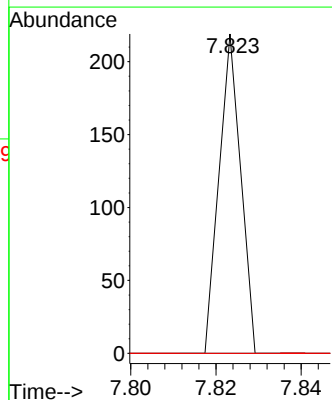
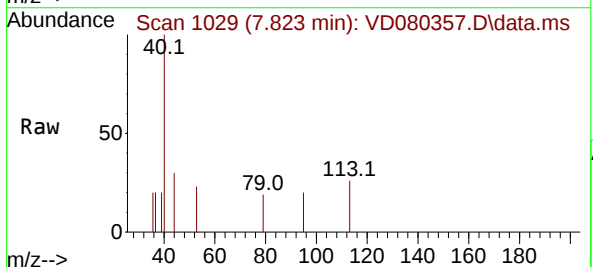
Tgt Ion:113 Resp: 77

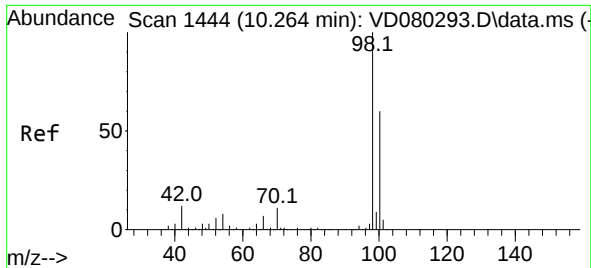
Ion Ratio Lower Upper

113 100

111 0.0 82.5 123.7#

192 0.0 16.6 25.0#

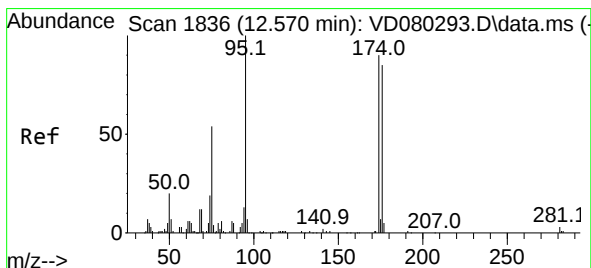
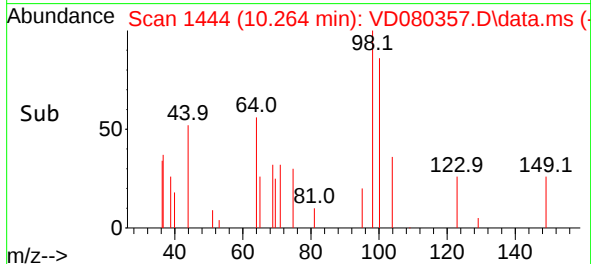
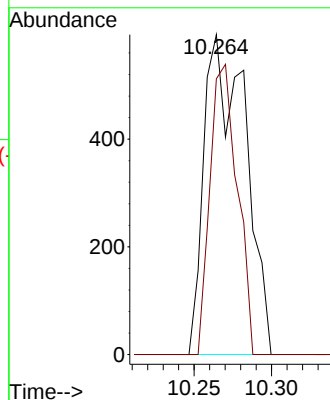
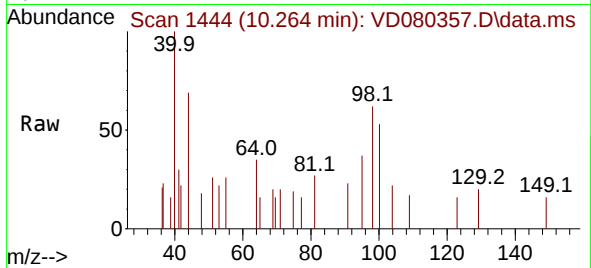




#50
Toluene-d8
Concen: 52.479 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. -0.005 min
Lab File: VD080357.D
Acq: 15 May 2025 19:02

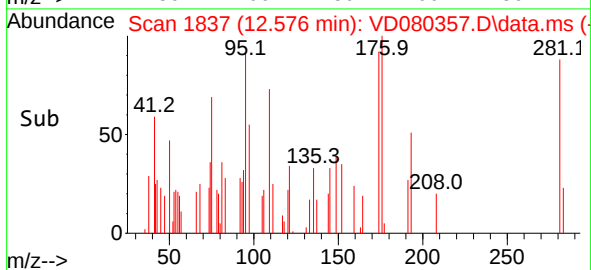
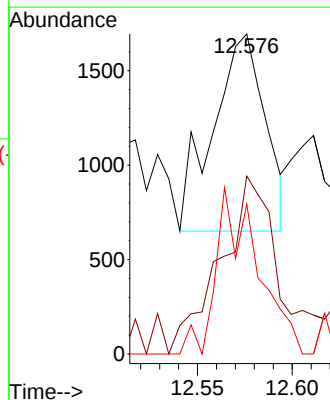
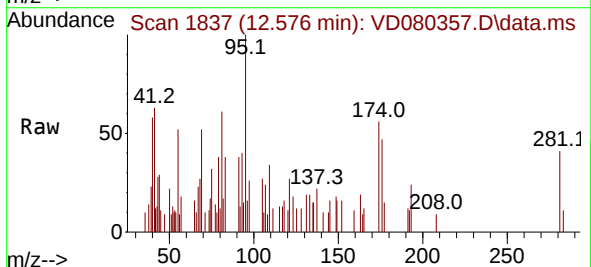
Instrument :
MSVOA_D
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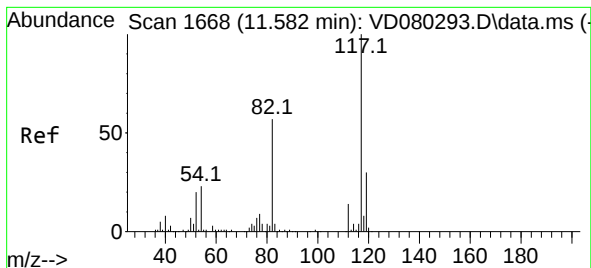
Tgt Ion: 98 Resp: 1099
Ion Ratio Lower Upper
98 100
100 59.9 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 298.738 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080357.D
Acq: 15 May 2025 19:02

Tgt Ion: 95 Resp: 2008
Ion Ratio Lower Upper
95 100
174 106.6 0.0 173.4
176 66.8 0.0 166.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.582 min Scan# 1

Delta R.T. 0.001 min

Lab File: VD080357.D

Acq: 15 May 2025 19:02

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

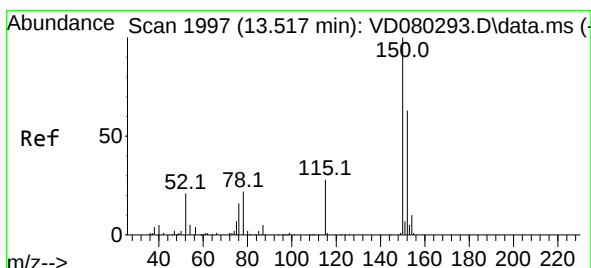
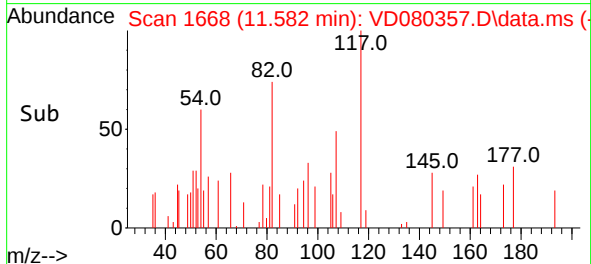
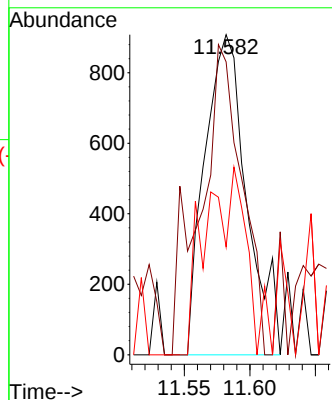
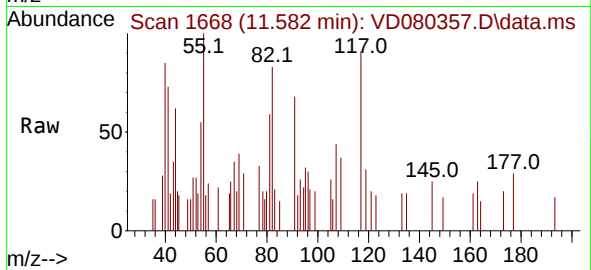
Tgt Ion:117 Resp: 2027

Ion Ratio Lower Upper

117 100

82 53.1 45.8 68.6

119 33.7 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.317 min Scan# 1963

Delta R.T. -0.199 min

Lab File: VD080357.D

Acq: 15 May 2025 19:02

Tgt Ion:152 Resp: 1668

Ion Ratio Lower Upper

152 100

115 48.0 28.9 86.8

150 15.1 0.0 354.8

