

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080225.D
 Acq On : 03 Feb 2025 13:10
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 04 02:08:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 02:06:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	138663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	246408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	203836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83291	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	91964	50.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.980%
35) Dibromofluoromethane	7.810	113	84767	48.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.269	98	255643	39.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.940%
62) 4-Bromofluorobenzene	12.575	95	70663	34.006	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.020%

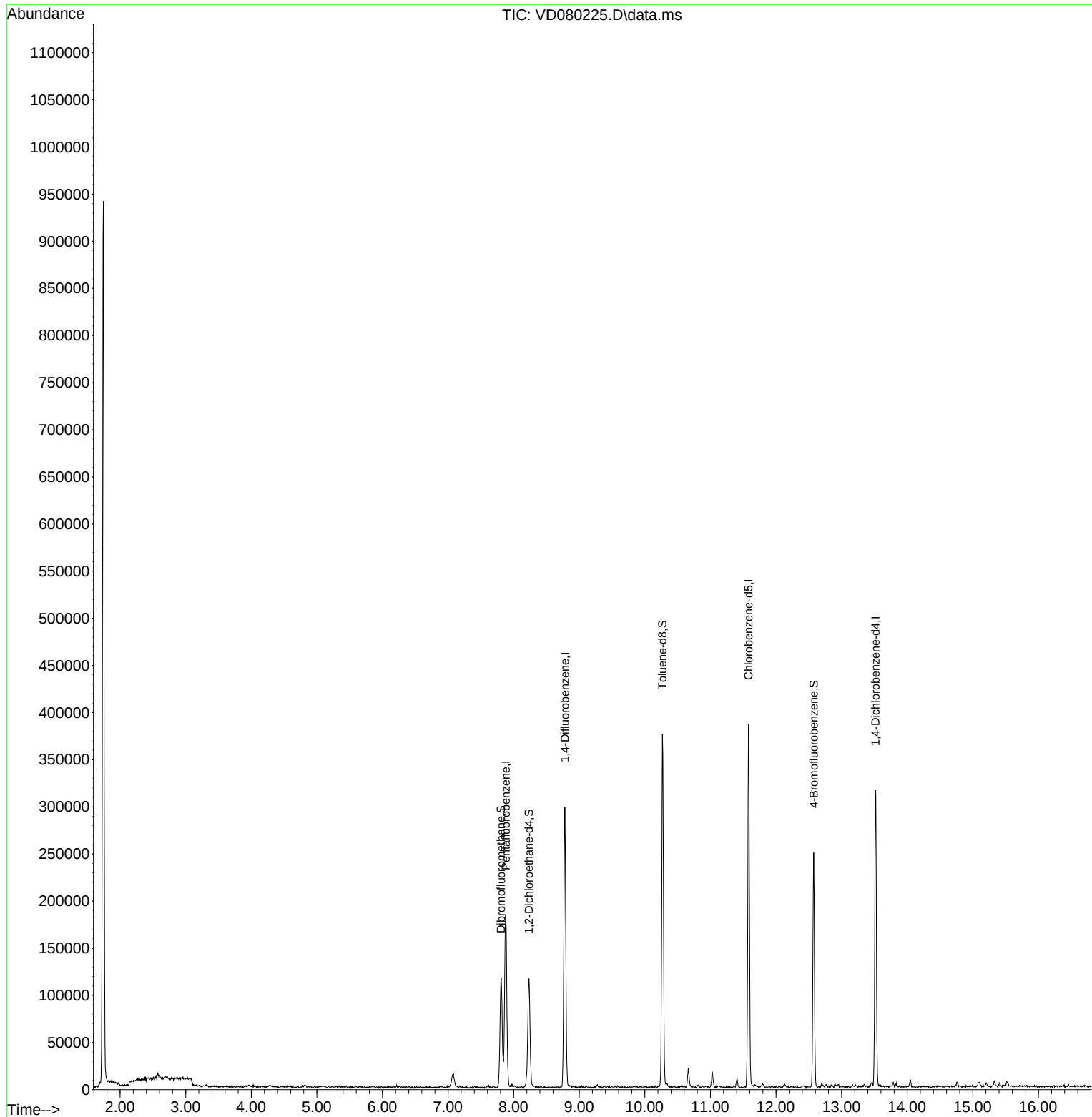
Target Compounds	Qvalue

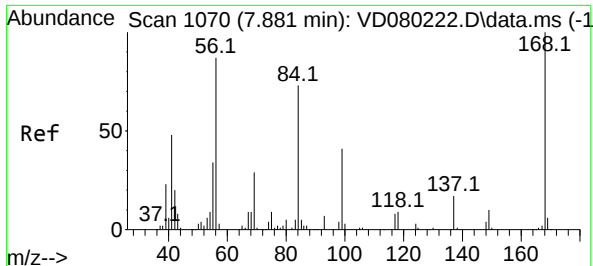
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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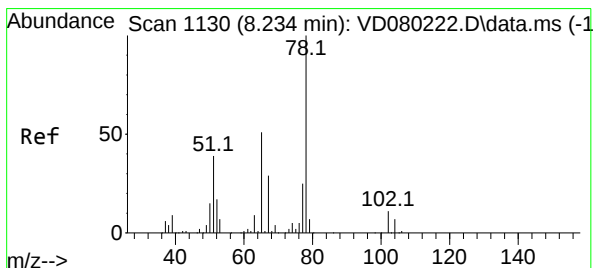
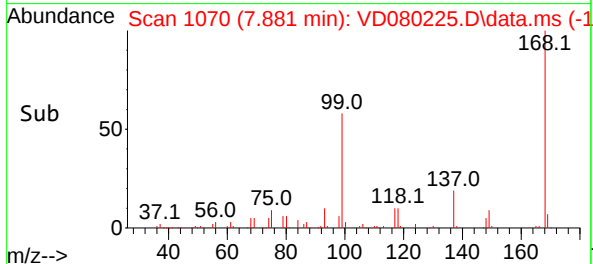
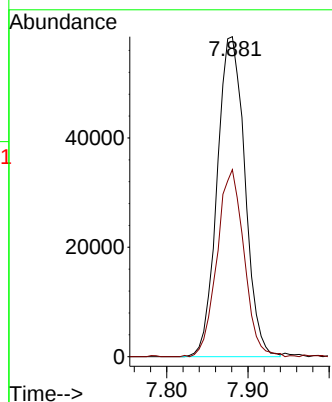
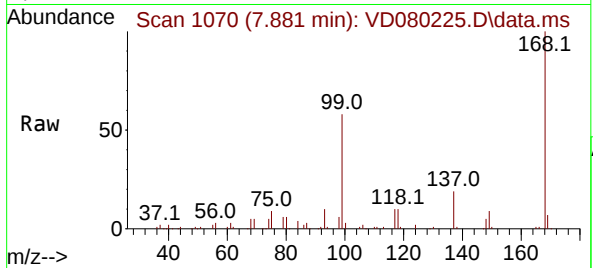




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

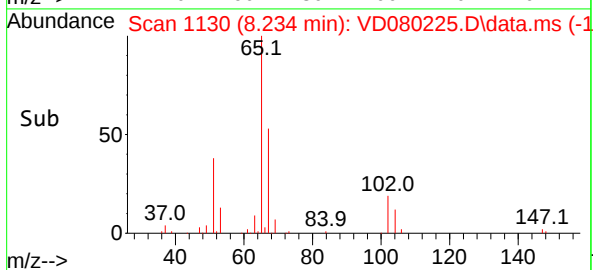
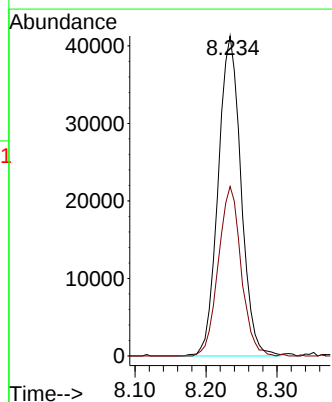
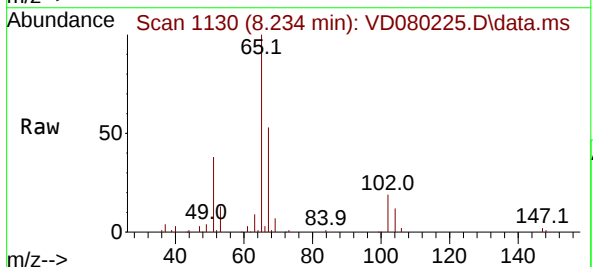
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

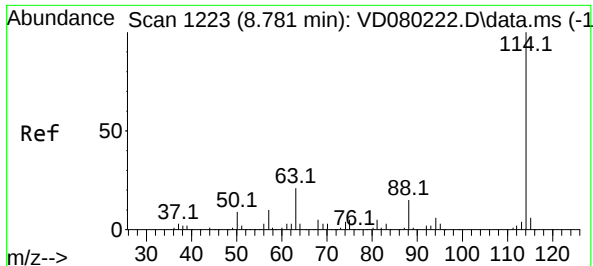
Tgt Ion:168 Resp: 138663
Ion Ratio Lower Upper
168 100
99 58.5 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 50.985 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 65 Resp: 91964
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD080225.D

Acq: 03 Feb 2025 13:10

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

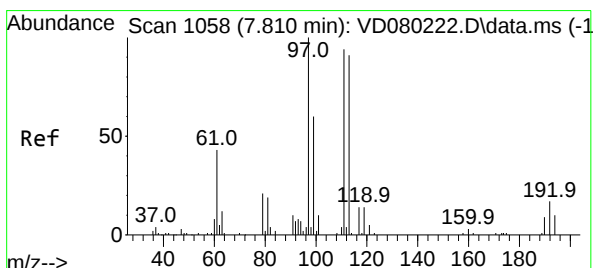
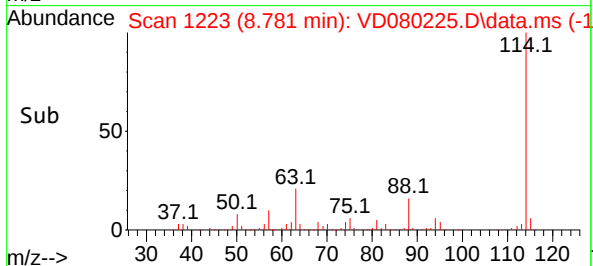
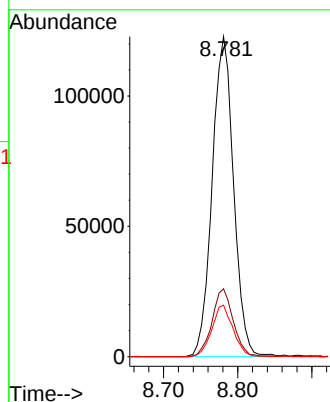
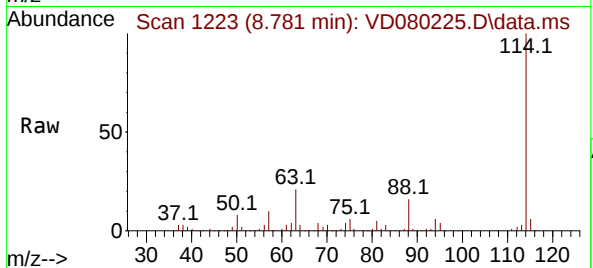
Tgt Ion:114 Resp: 246408

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 16.1 0.0 30.4



#35

Dibromofluoromethane

Concen: 48.539 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD080225.D

Acq: 03 Feb 2025 13:10

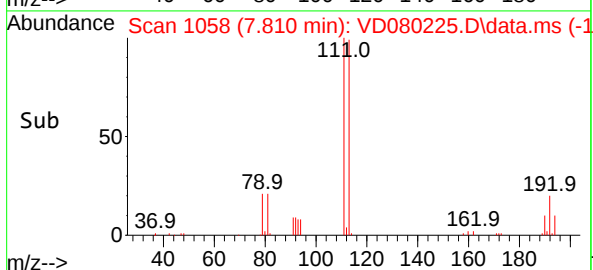
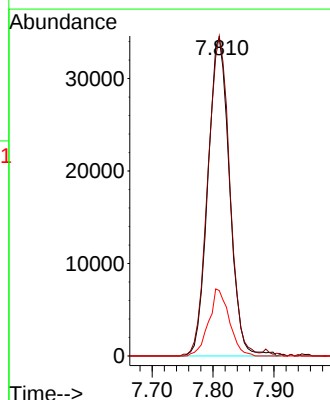
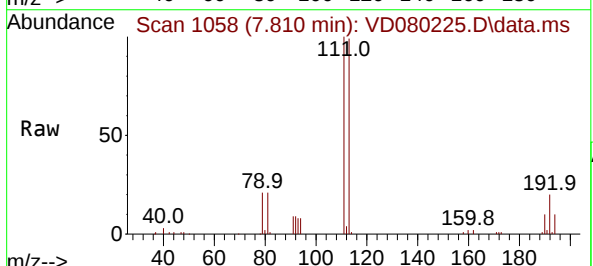
Tgt Ion:113 Resp: 84767

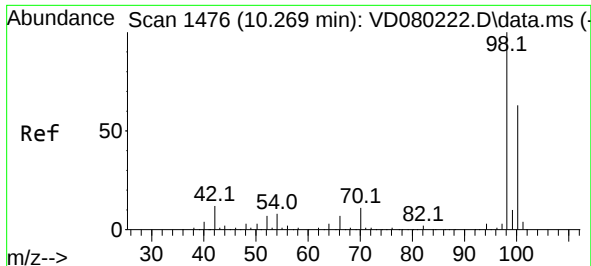
Ion Ratio Lower Upper

113 100

111 101.6 85.0 127.4

192 20.0 15.5 23.3

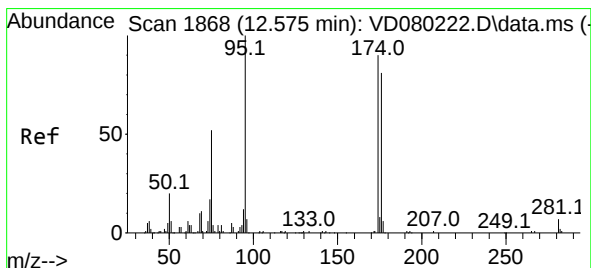
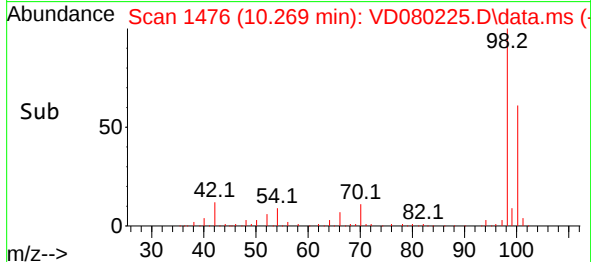
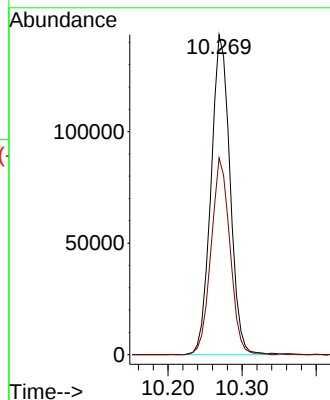
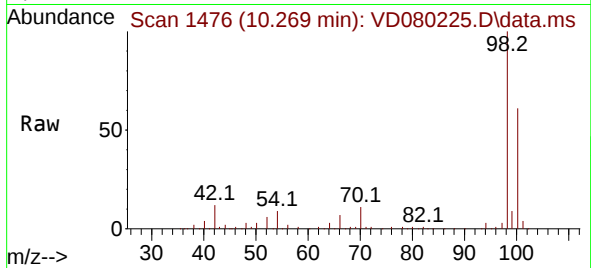




#50
Toluene-d8
Concen: 39.474 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

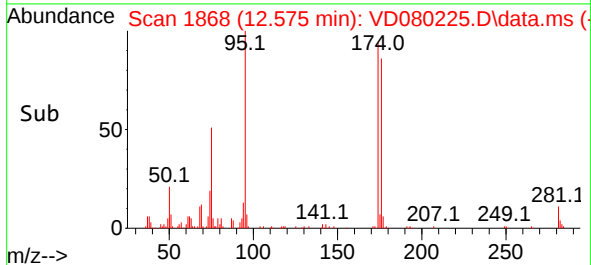
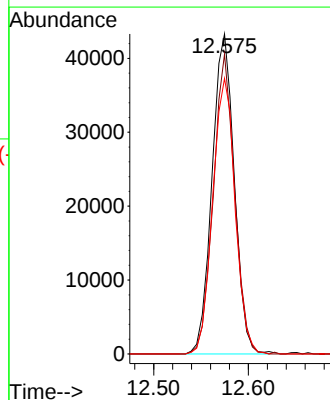
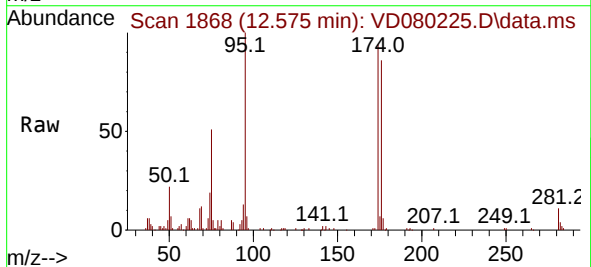
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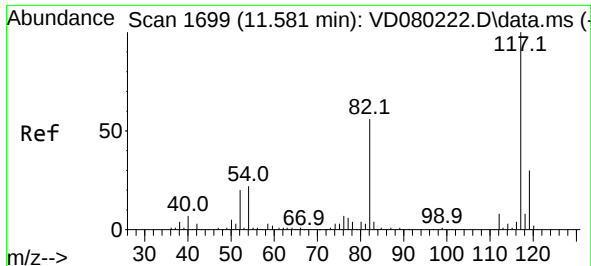
Tgt Ion: 98 Resp: 255643
Ion Ratio Lower Upper
98 100
100 61.1 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 34.006 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion: 95 Resp: 70663
Ion Ratio Lower Upper
95 100
174 90.0 0.0 171.8
176 86.9 0.0 159.6

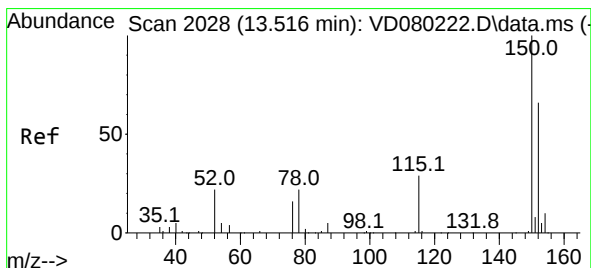
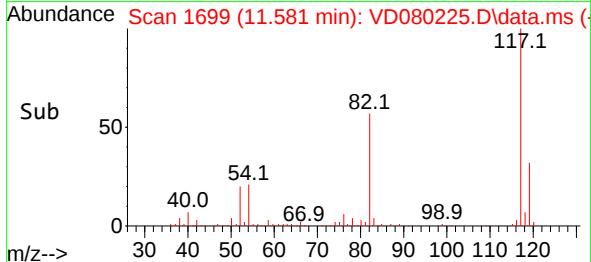
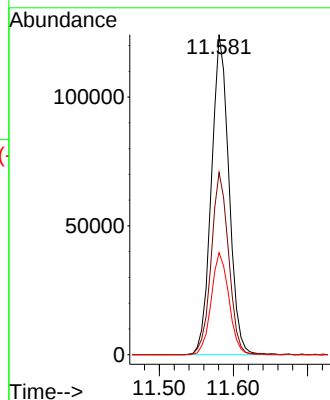
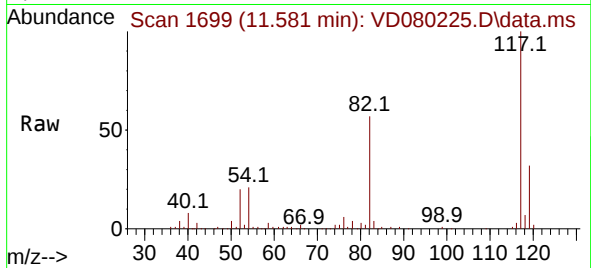




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 203836
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.6
119 31.8 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080225.D
Acq: 03 Feb 2025 13:10

Tgt Ion:152 Resp: 83291
Ion Ratio Lower Upper
152 100
115 59.4 30.0 90.1
150 160.6 0.0 350.4

