

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080409.D
 Acq On : 04 Jun 2025 12:24
 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: Jun 05 02:29:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060425S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 05 02:27:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.870	168	349454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	865439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	801222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	402119	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	261990	61.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.580%
35) Dibromofluoromethane	7.799	113	272750	50.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.860%
50) Toluene-d8	10.264	98	1101147	52.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.220%
62) 4-Bromofluorobenzene	12.570	95	361478	54.473	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.940%

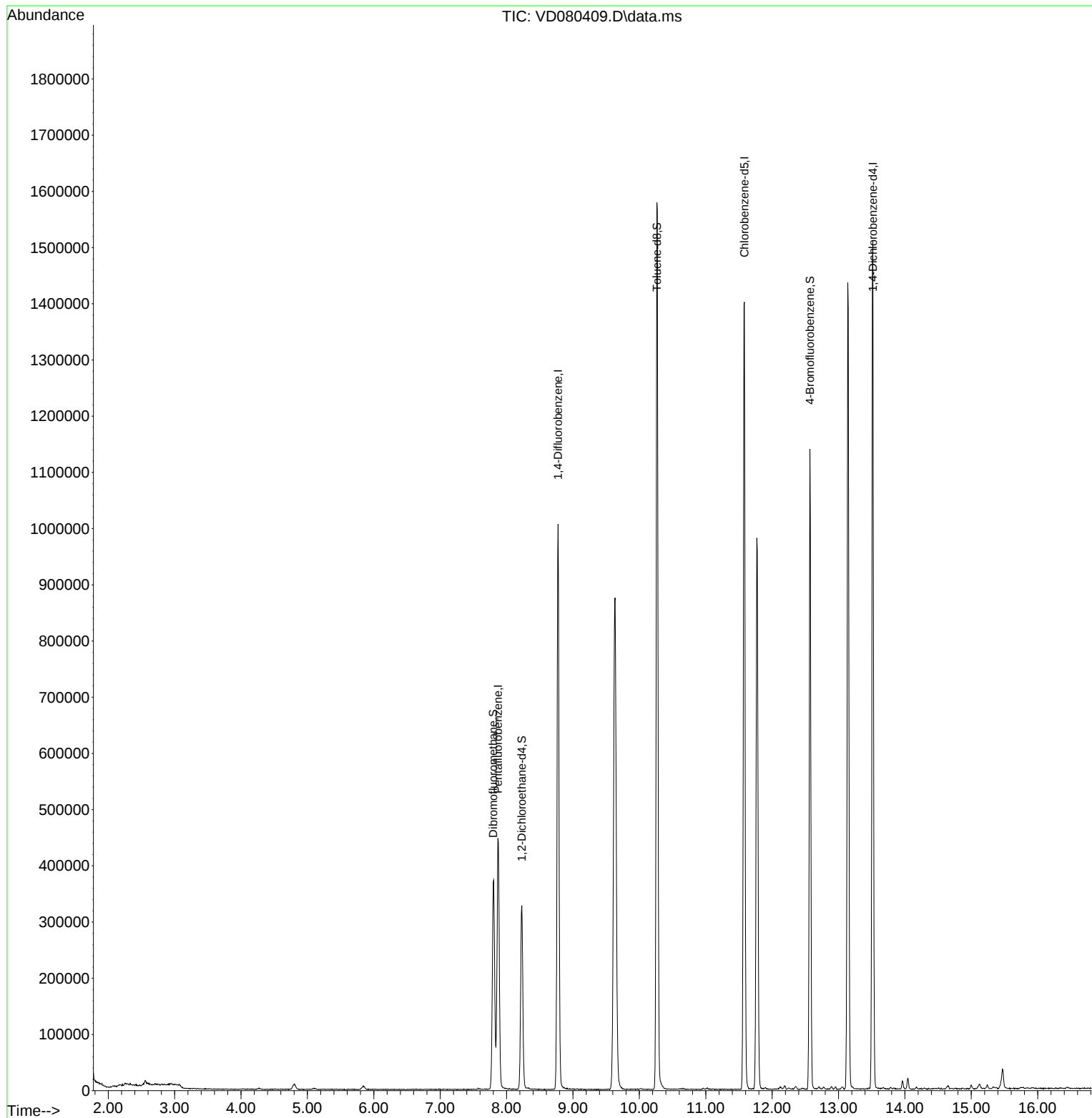
Target Compounds	Qvalue

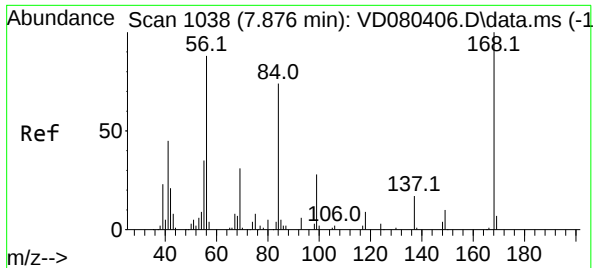
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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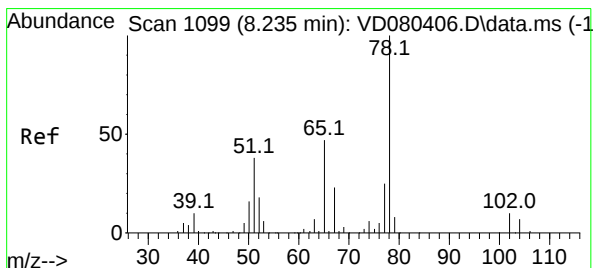
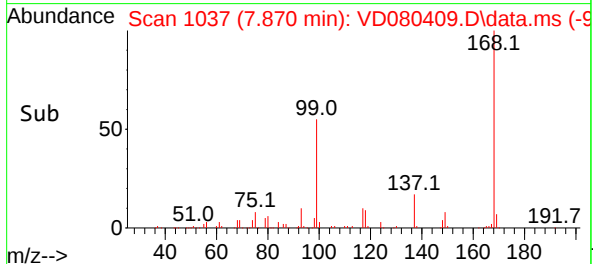
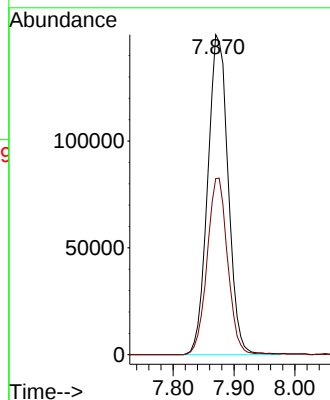
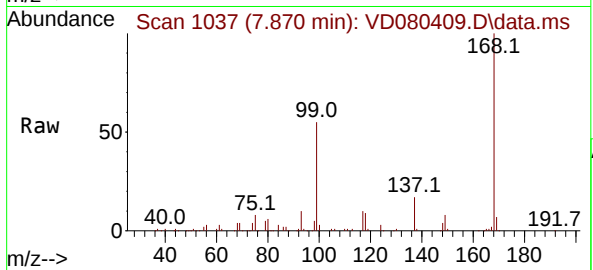




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.870 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

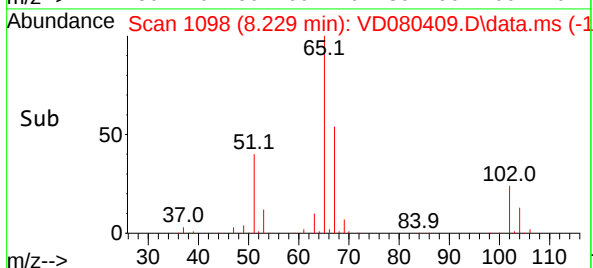
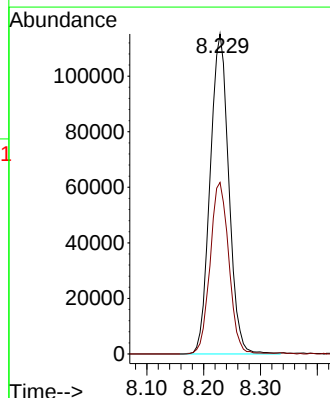
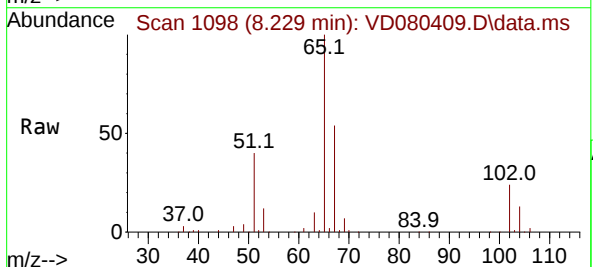
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

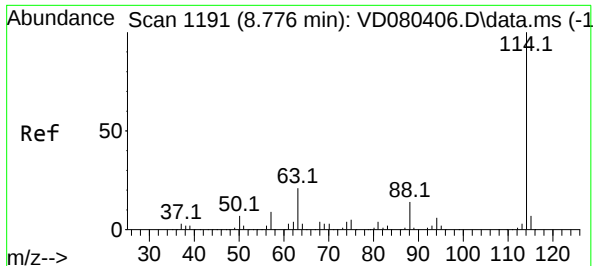
Tgt Ion:168 Resp: 349454
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#33
1,2-Dichloroethane-d4
Concen: 61.788 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. -0.006 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion: 65 Resp: 261990
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080409.D

Acq: 04 Jun 2025 12:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

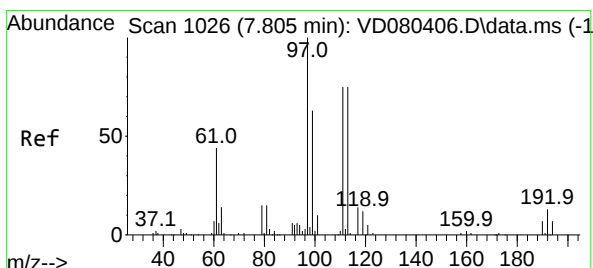
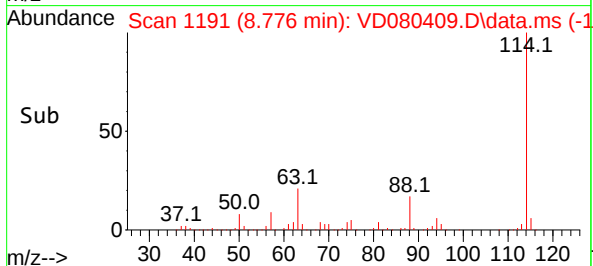
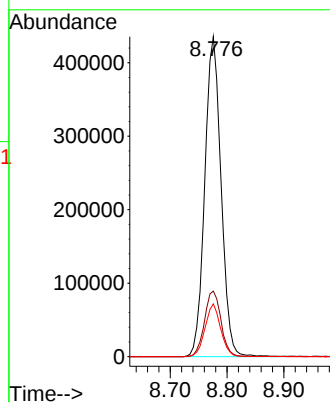
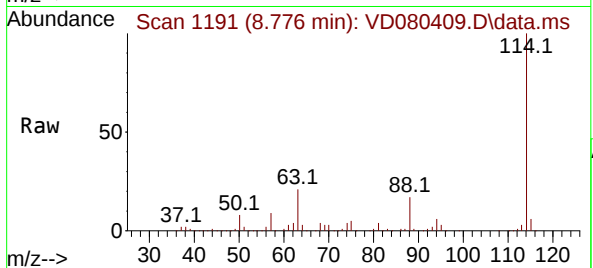
Tgt Ion:114 Resp: 865439

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.0

88 16.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.429 ug/l

RT: 7.799 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VD080409.D

Acq: 04 Jun 2025 12:24

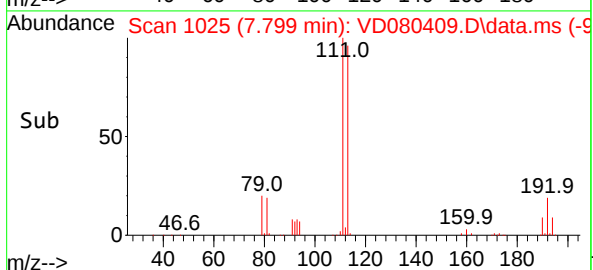
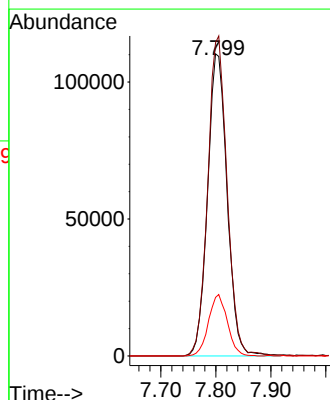
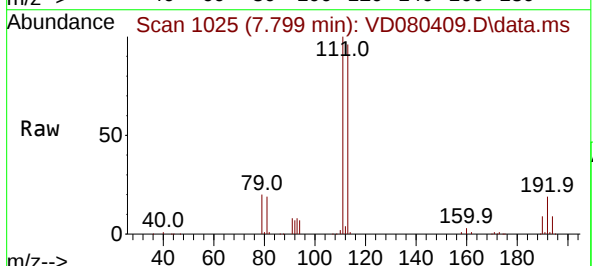
Tgt Ion:113 Resp: 272750

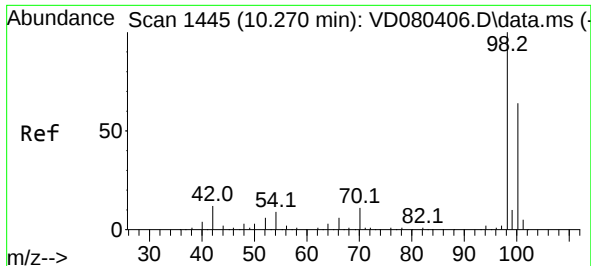
Ion Ratio Lower Upper

113 100

111 104.6 84.6 127.0

192 19.6 15.8 23.6

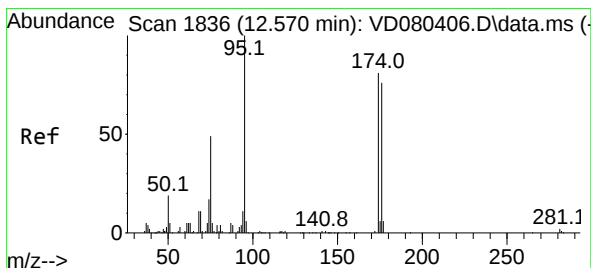
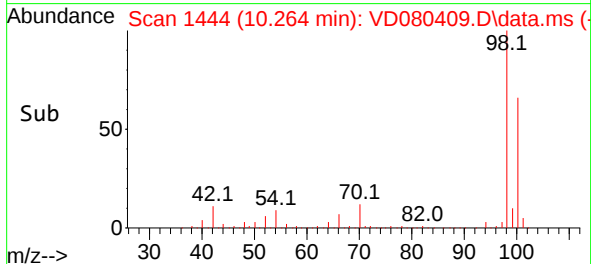
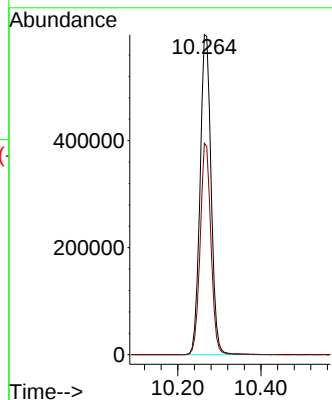
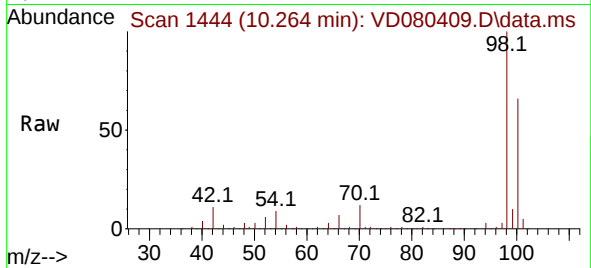




#50
Toluene-d8
Concen: 52.110 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

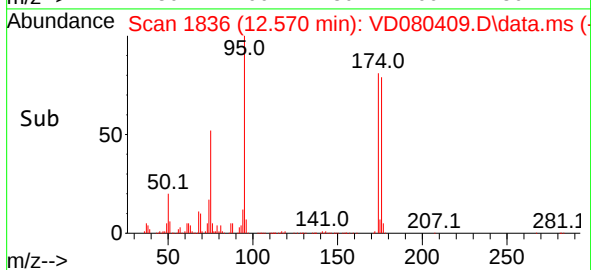
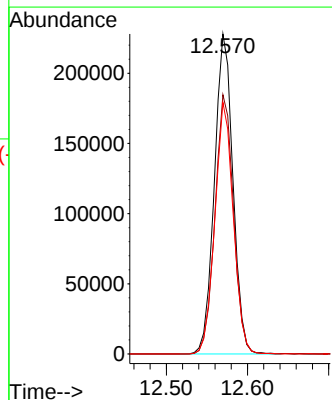
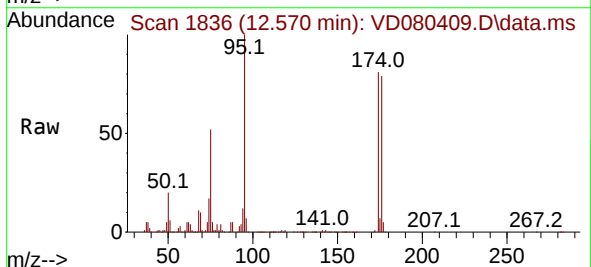
Instrument :
MSVOA_D
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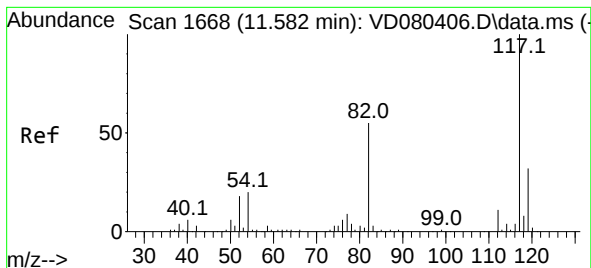
Tgt Ion: 98 Resp: 1101147
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 54.473 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion: 95 Resp: 361478
Ion Ratio Lower Upper
95 100
174 81.0 0.0 164.4
176 78.3 0.0 155.8

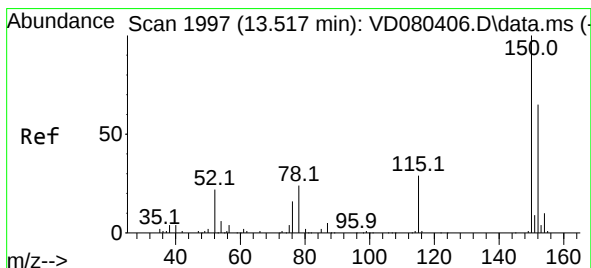
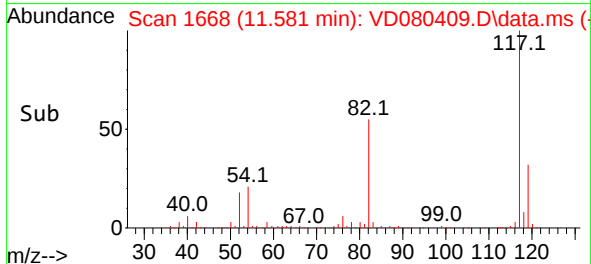
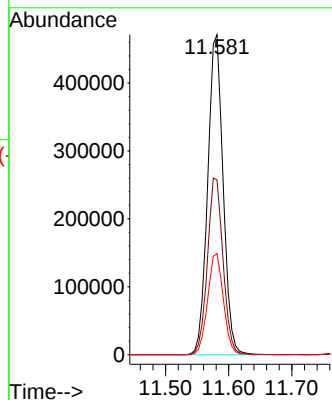
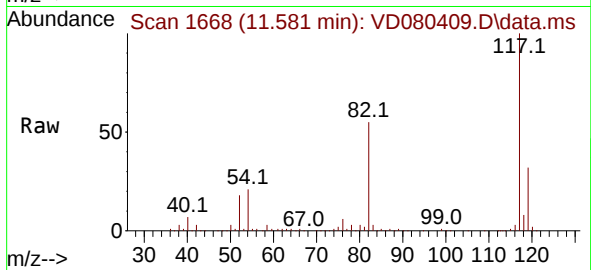




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 801222
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion:152 Resp: 402119
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.5
150 156.4 0.0 354.2

