

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082725\
 Data File : VD080502.D
 Acq On : 27 Aug 2025 12:49
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Aug 28 02:42:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 02:42:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	103097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	480197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	607946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	324163	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	119590	102.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	205.640%#
35) Dibromofluoromethane	7.806	113	206634	71.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	143.620%
50) Toluene-d8	10.270	98	710017	61.839	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	123.680%
62) 4-Bromofluorobenzene	12.570	95	310354	87.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	174.320%#

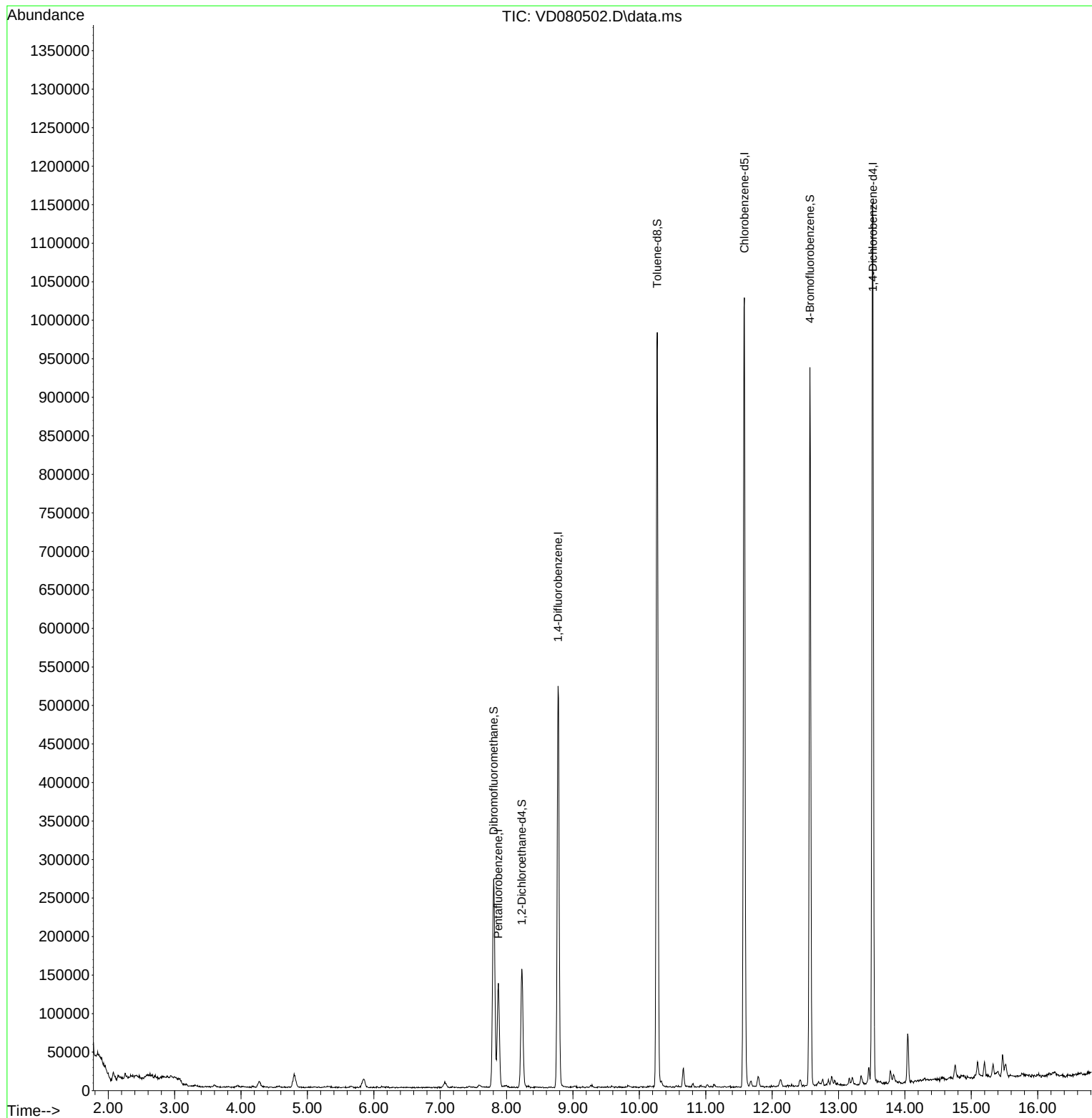
Target Compounds	Qvalue

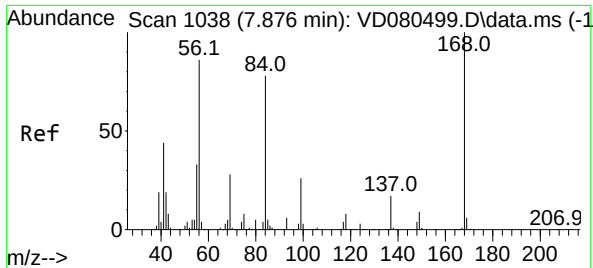
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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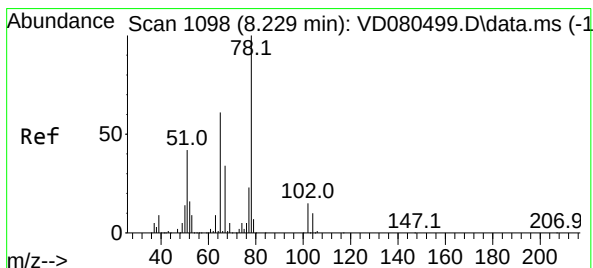
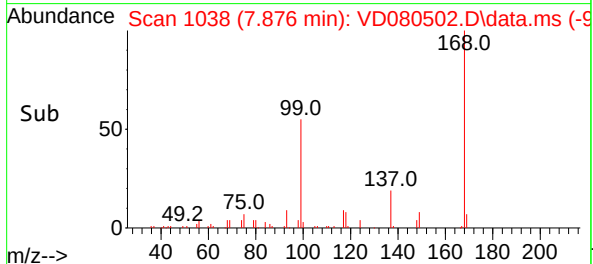
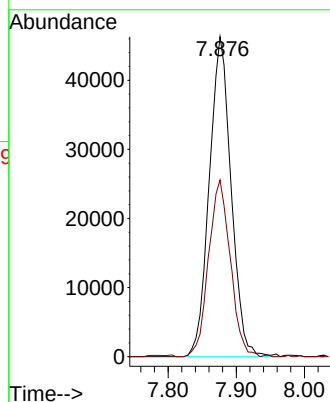
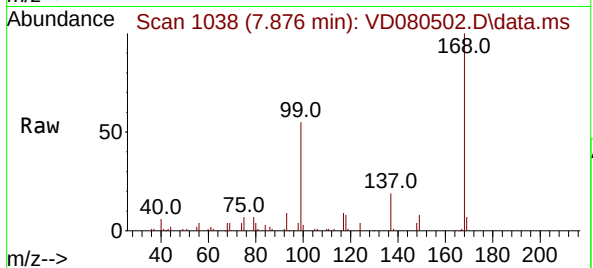




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080502.D
Acq: 27 Aug 2025 12:49

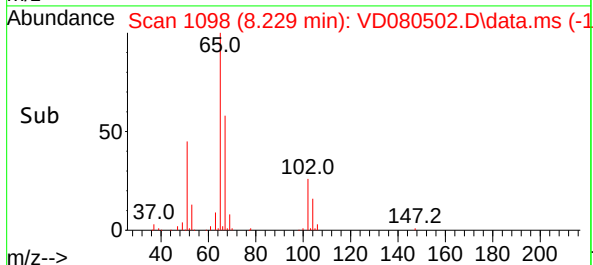
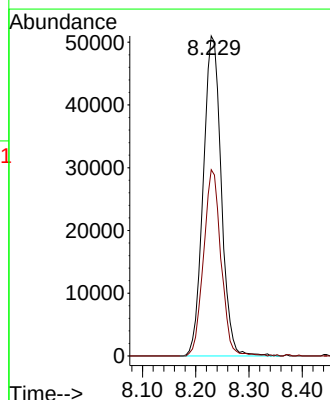
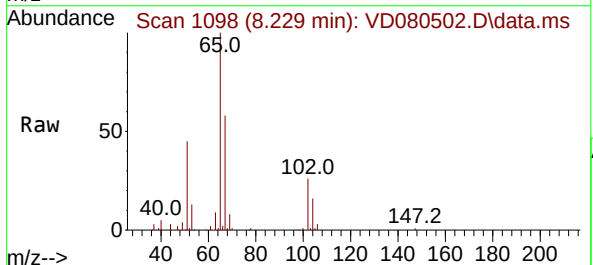
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

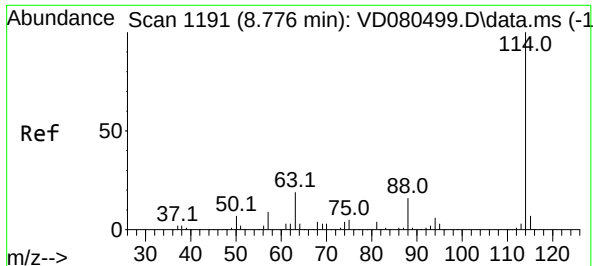
Tgt Ion:168 Resp: 103097
Ion Ratio Lower Upper
168 100
99 55.2 44.1 66.1



#33
1,2-Dichloroethane-d4
Concen: 102.815 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VD080502.D
Acq: 27 Aug 2025 12:49

Tgt Ion: 65 Resp: 119590
Ion Ratio Lower Upper
65 100
67 56.4 0.0 113.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080502.D

Acq: 27 Aug 2025 12:49

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

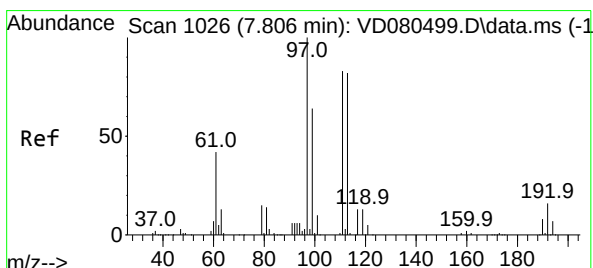
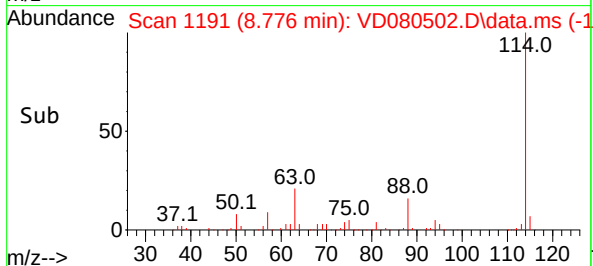
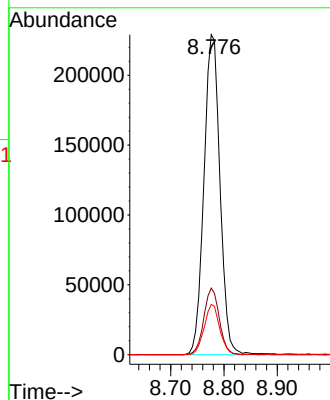
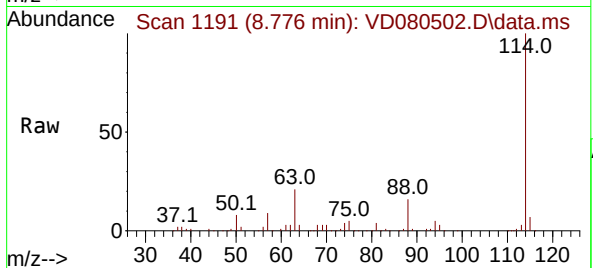
Tgt Ion:114 Resp: 480197

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 71.811 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VD080502.D

Acq: 27 Aug 2025 12:49

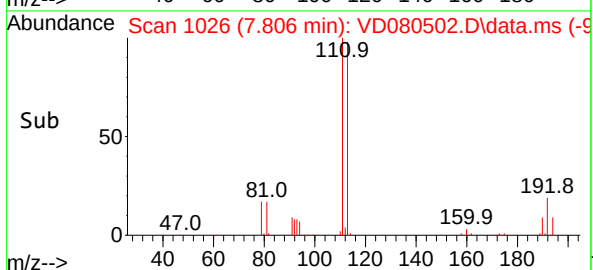
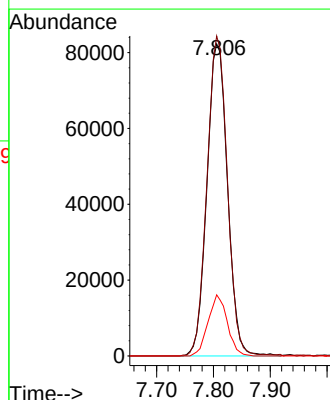
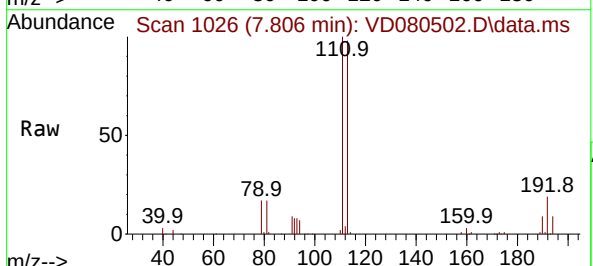
Tgt Ion:113 Resp: 206634

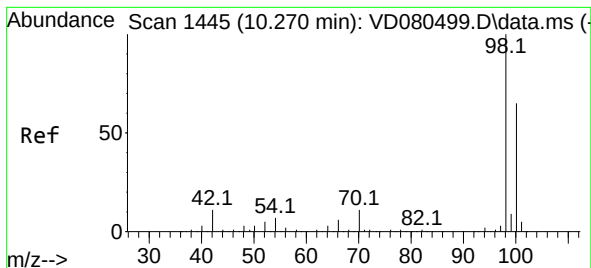
Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

192 18.3 14.9 22.3

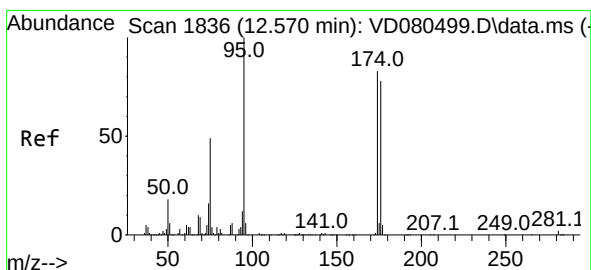
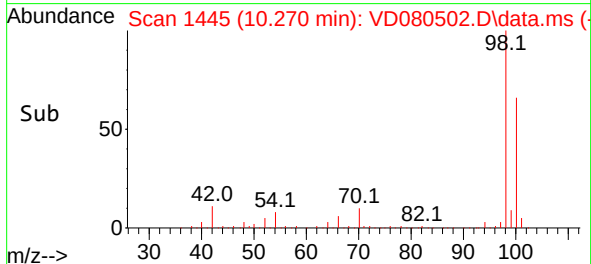
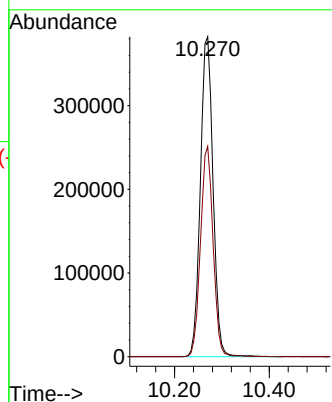
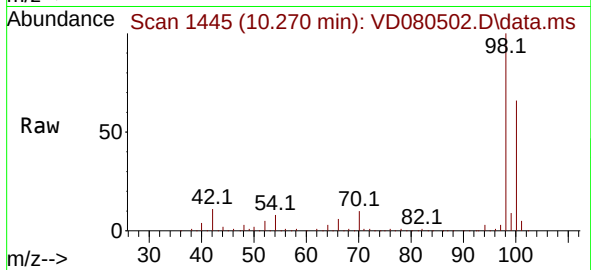




#50
Toluene-d8
Concen: 61.839 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VD080502.D
Acq: 27 Aug 2025 12:49

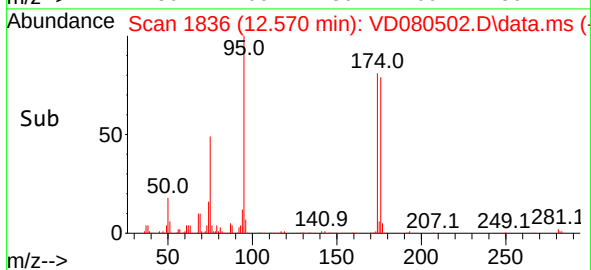
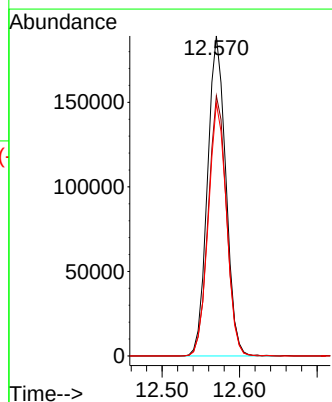
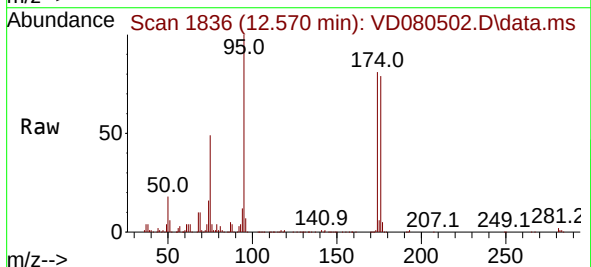
Instrument :
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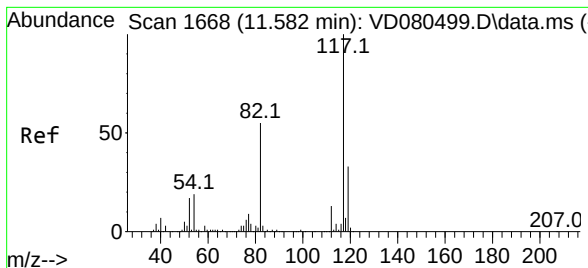
Tgt Ion: 98 Resp: 710017
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 87.164 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080502.D
Acq: 27 Aug 2025 12:49

Tgt Ion: 95 Resp: 310354
Ion Ratio Lower Upper
95 100
174 81.0 0.0 162.6
176 78.2 0.0 156.0

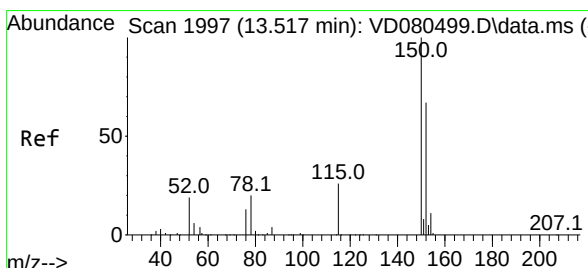
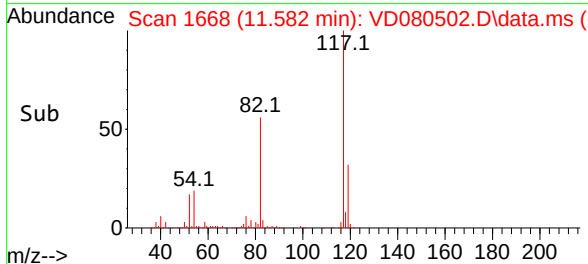
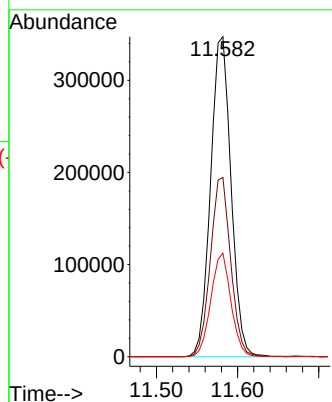
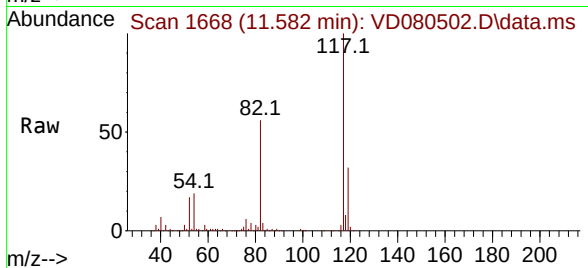




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD080502.D
Acq: 27 Aug 2025 12:49

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 607946
Ion Ratio Lower Upper
117 100
82 56.0 43.8 65.6
119 32.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VD080502.D
Acq: 27 Aug 2025 12:49

Tgt Ion:152 Resp: 324163
Ion Ratio Lower Upper
152 100
115 58.6 29.0 87.0
150 156.0 0.0 345.0

