

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
 Data File : VD080296.D
 Acq On : 06 May 2025 16:15
 Operator : RP/MD
 Sample : IBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IBLK

Quant Time: May 07 03:40:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 03:36:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	152113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	271303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	238710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	110960	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	89888	45.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.400%
35) Dibromofluoromethane	7.806	113	90621	49.836	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.680%
50) Toluene-d8	10.270	98	342054	47.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.480%
62) 4-Bromofluorobenzene	12.570	95	93856	40.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.620%

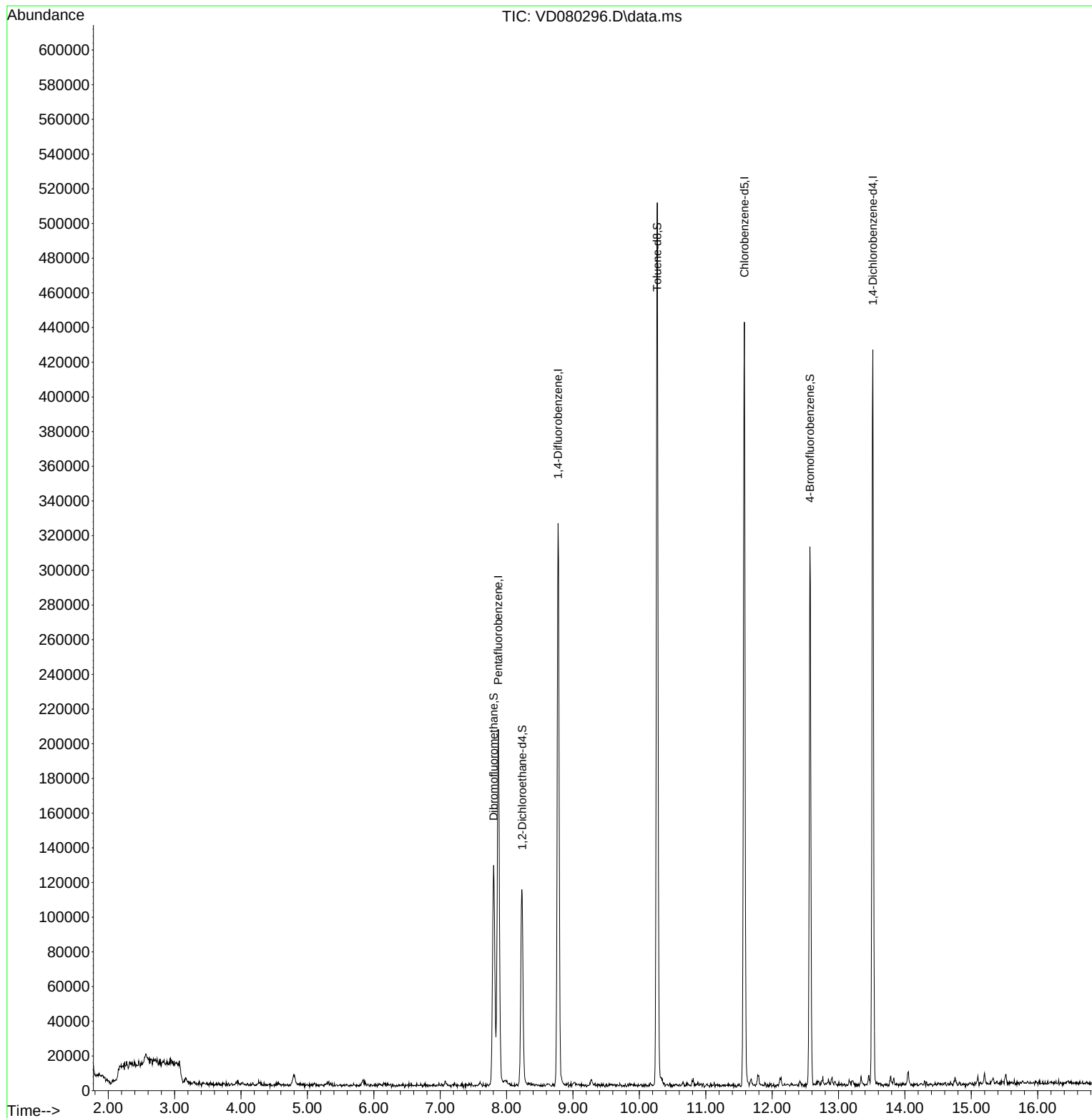
Target Compounds	Qvalue

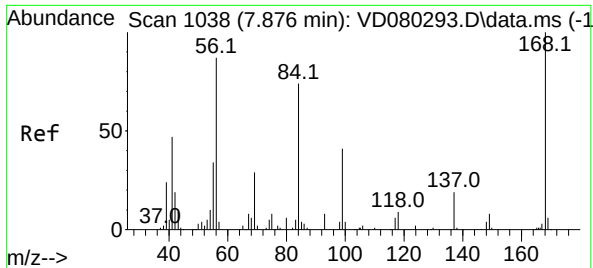
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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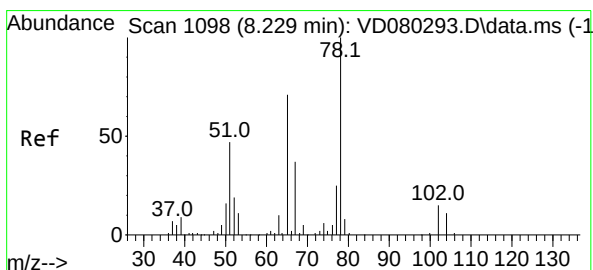
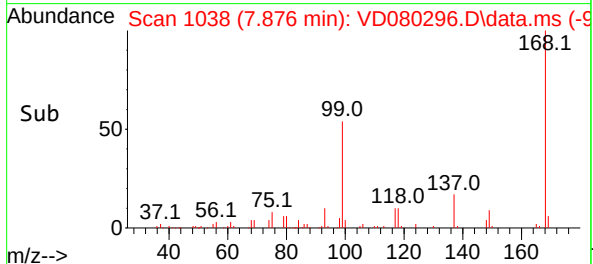
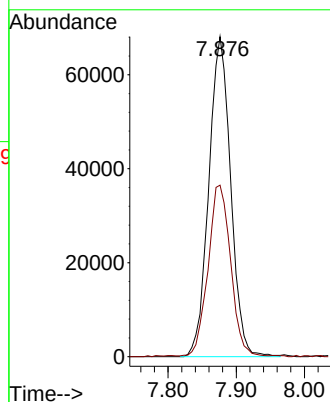
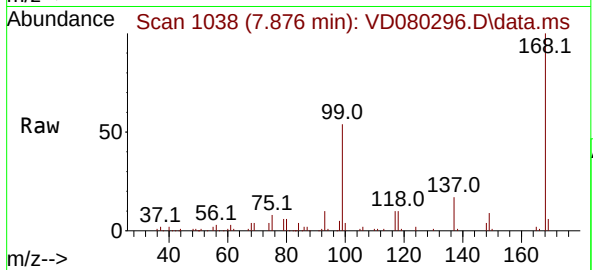




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080296.D
Acq: 06 May 2025 16:15

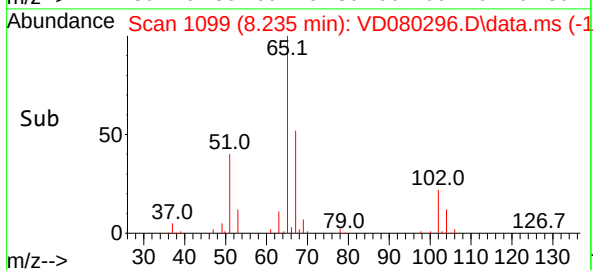
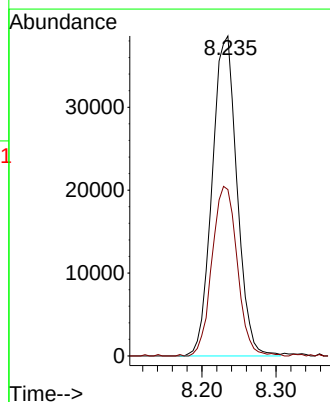
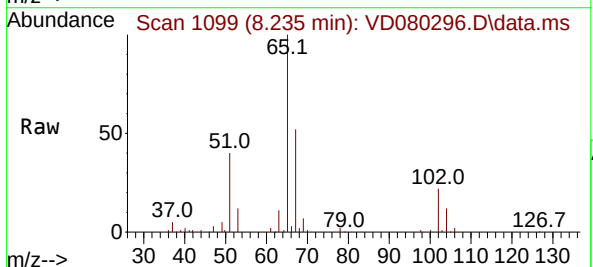
Instrument :
MSVOA_D
ClientSampleId :
IBLK

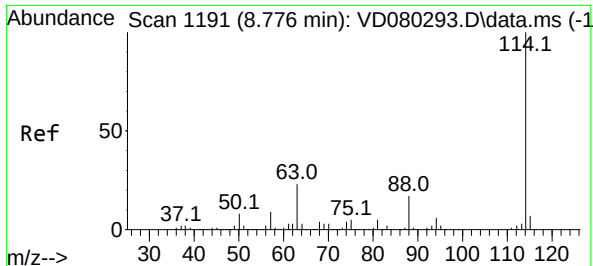
Tgt Ion:168 Resp: 152113
Ion Ratio Lower Upper
168 100
99 53.4 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 45.696 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.006 min
Lab File: VD080296.D
Acq: 06 May 2025 16:15

Tgt Ion: 65 Resp: 89888
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080296.D

Acq: 06 May 2025 16:15

Instrument :

MSVOA_D

ClientSampleId :

IBLK

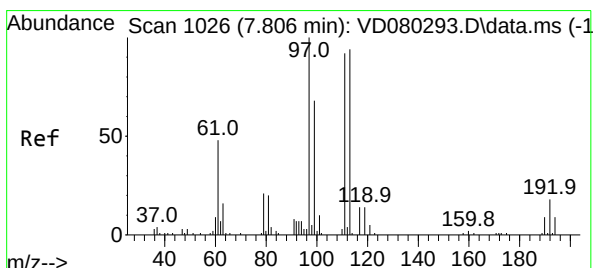
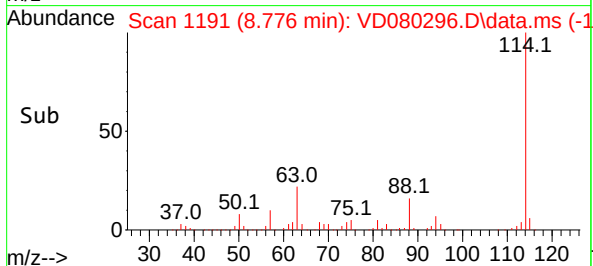
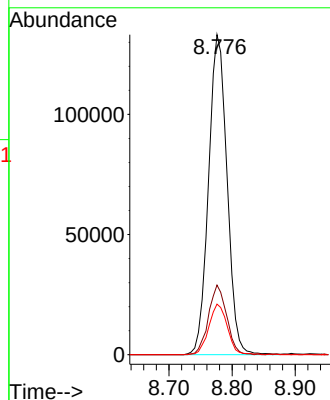
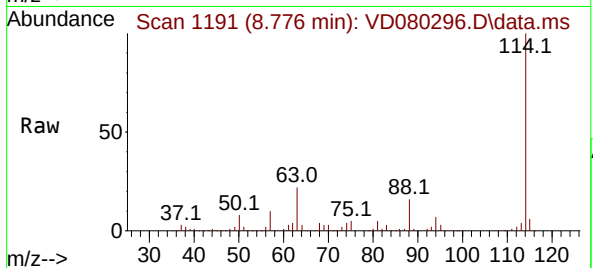
Tgt Ion:114 Resp: 271303

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.836 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VD080296.D

Acq: 06 May 2025 16:15

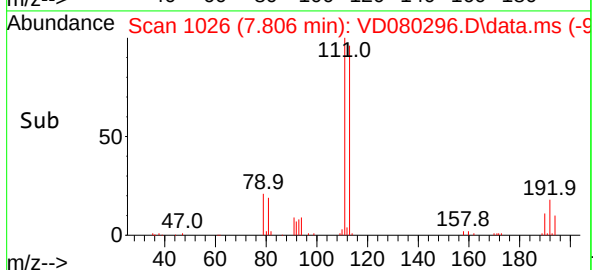
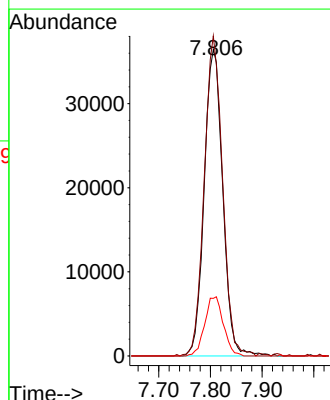
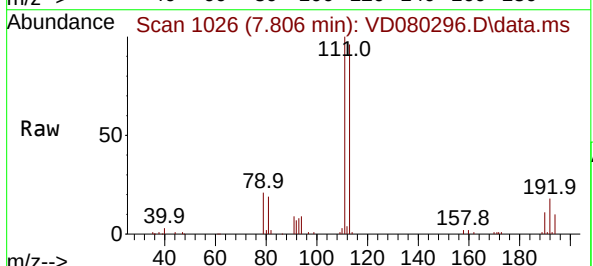
Tgt Ion:113 Resp: 90621

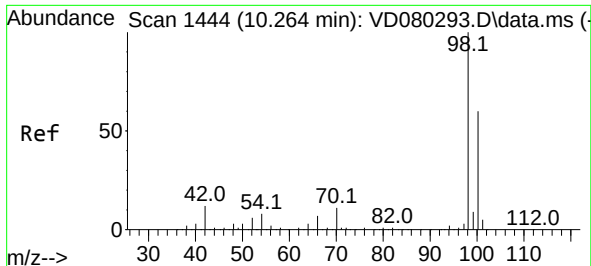
Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

192 19.4 15.7 23.5

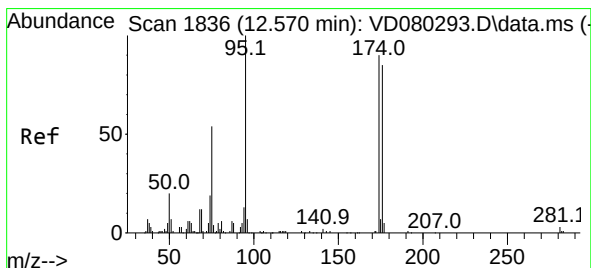
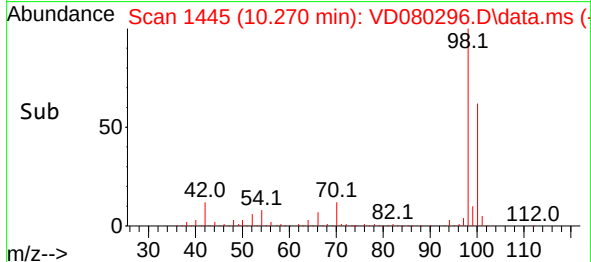
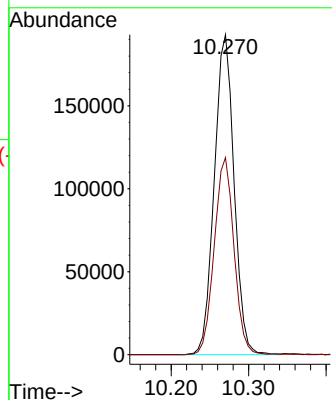
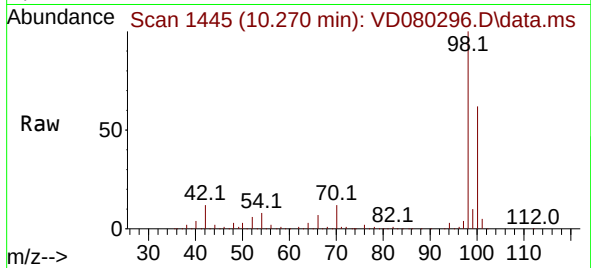




#50
Toluene-d8
Concen: 47.742 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VD080296.D
Acq: 06 May 2025 16:15

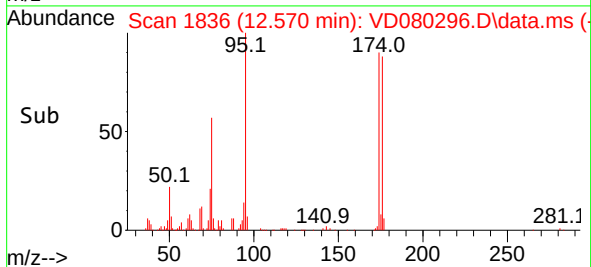
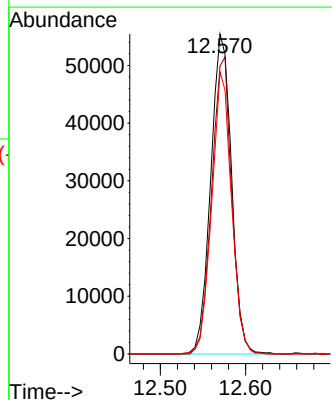
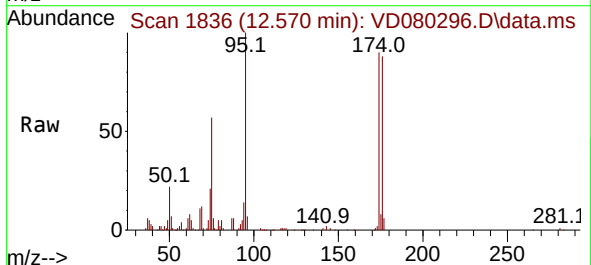
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MSVOA_D
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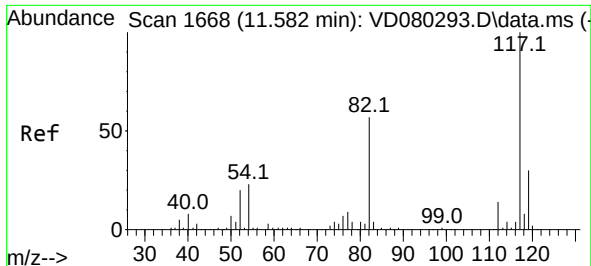
Tgt Ion: 98 Resp: 342054
Ion Ratio Lower Upper
98 100
100 61.5 50.0 75.0



#62
4-Bromofluorobenzene
Concen: 40.814 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080296.D
Acq: 06 May 2025 16:15

Tgt Ion: 95 Resp: 93856
Ion Ratio Lower Upper
95 100
174 89.8 0.0 170.0
176 83.7 0.0 167.8

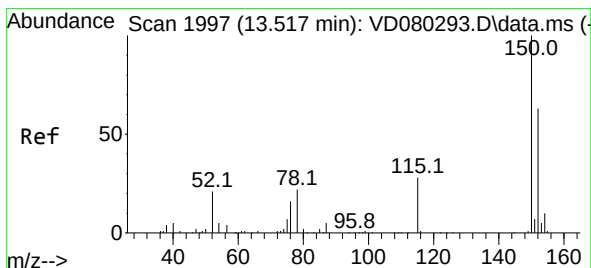
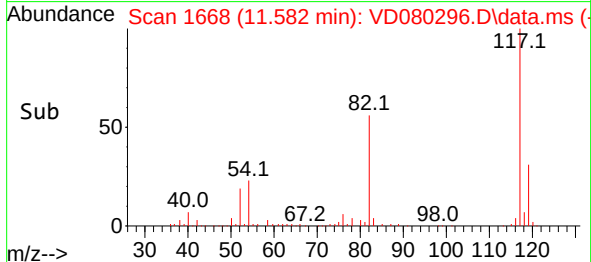
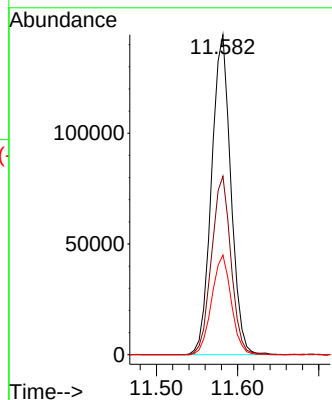
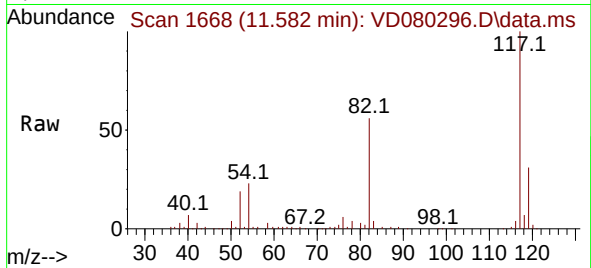




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080296.D
Acq: 06 May 2025 16:15

Instrument :
MSVOA_D
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 238710
Ion Ratio Lower Upper
117 100
82 55.8 45.5 68.3
119 31.2 24.0 36.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080296.D
Acq: 06 May 2025 16:15

Tgt Ion:152 Resp: 110960
Ion Ratio Lower Upper
152 100
115 57.6 29.0 87.1
150 155.6 0.0 354.6

