

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080361.D
 Acq On : 16 May 2025 10:32
 Operator : RP/MD
 Sample : VD0516SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBL01

Quant Time: May 17 01:16:01 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	7.876	168	81723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	152110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	142410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	63137	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	42735	40.437	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.880%
35) Dibromofluoromethane	7.805	113	51831	50.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.680%
50) Toluene-d8	10.270	98	265564	66.111	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	132.220%
62) 4-Bromofluorobenzene	12.570	95	55630	43.147	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.300%

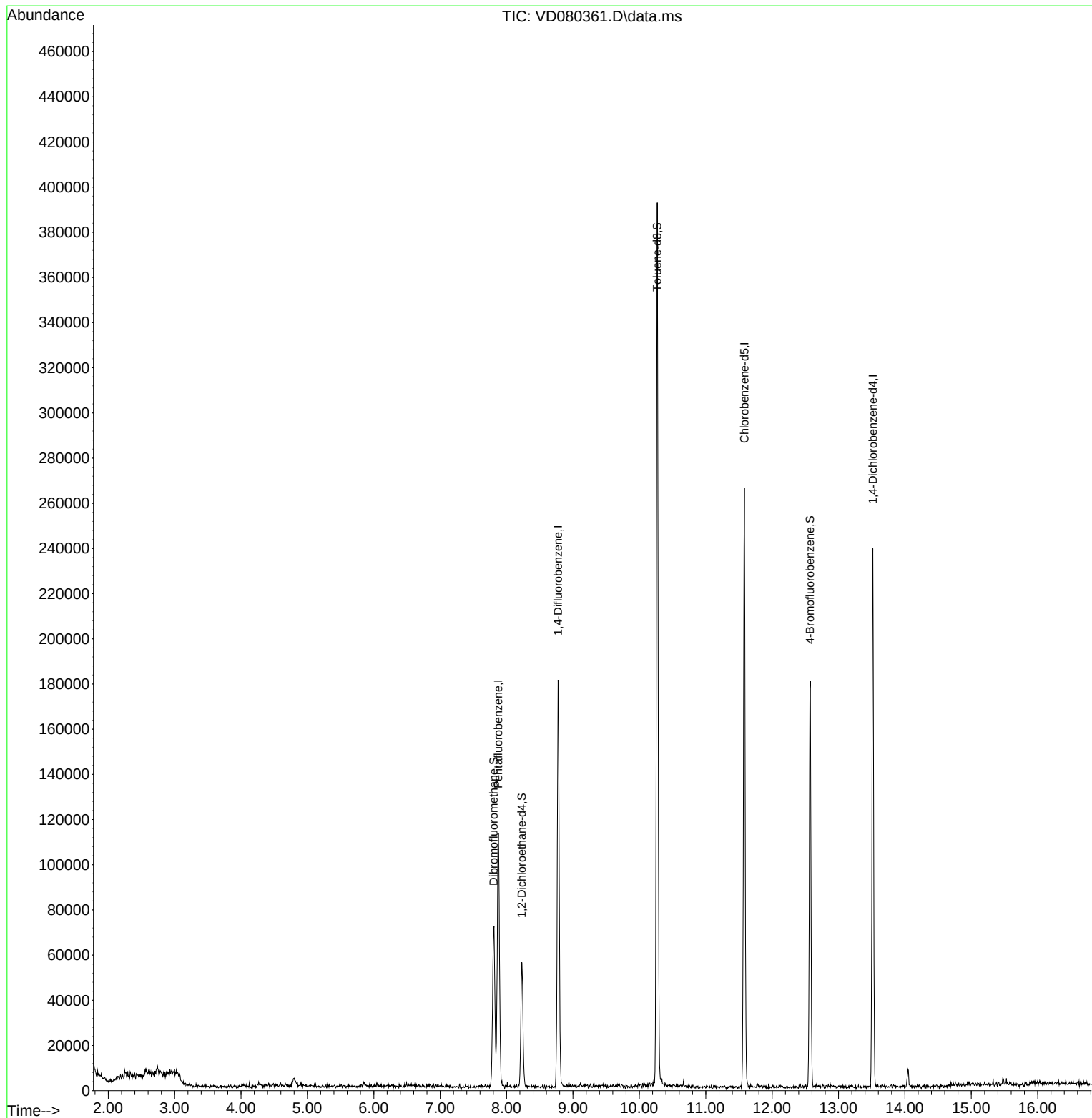
Target Compounds	Qvalue

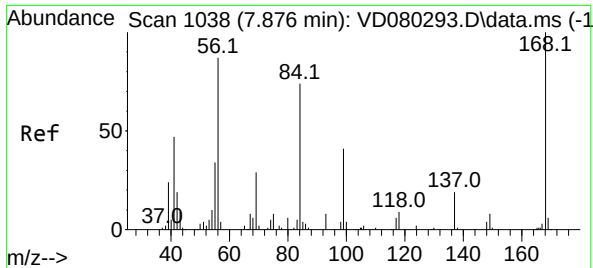
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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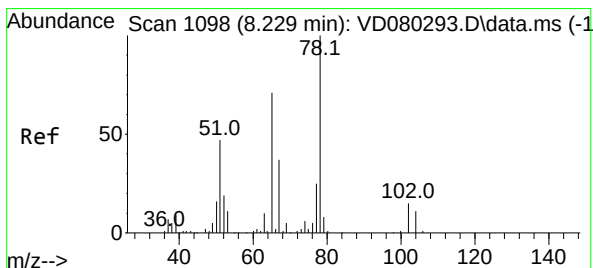
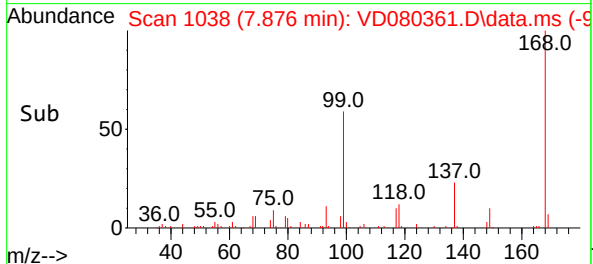
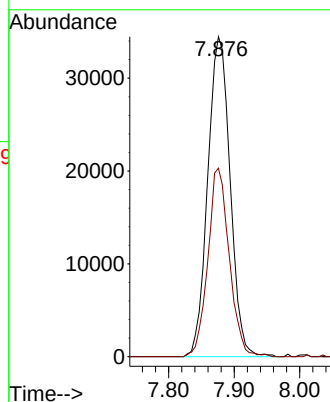
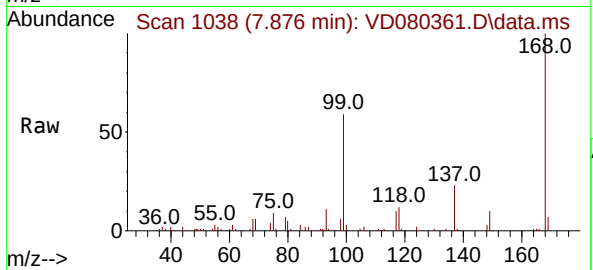




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080361.D
Acq: 16 May 2025 10:32

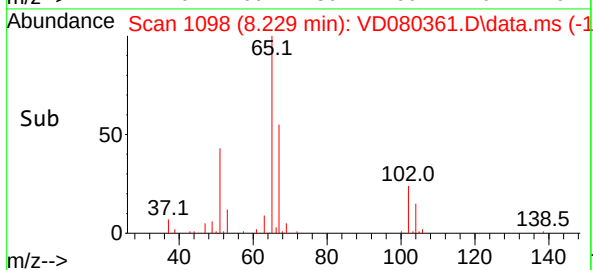
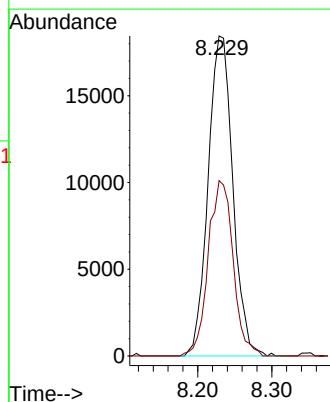
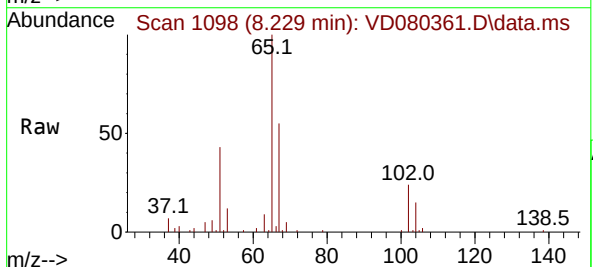
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

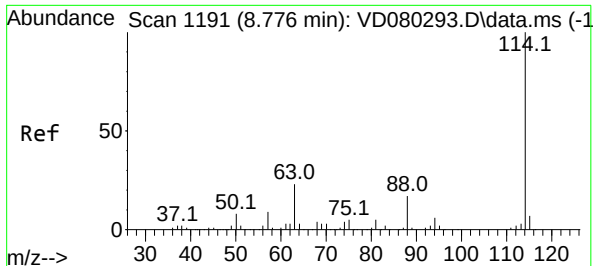
Tgt Ion:168 Resp: 81723
Ion Ratio Lower Upper
168 100
99 58.9 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 40.437 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080361.D
Acq: 16 May 2025 10:32

Tgt Ion: 65 Resp: 42735
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080361.D

Acq: 16 May 2025 10:32

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBL01

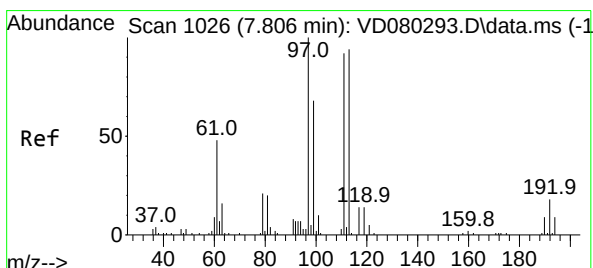
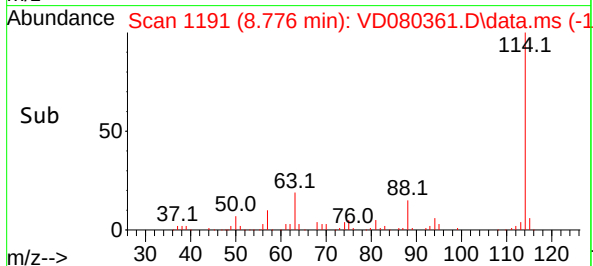
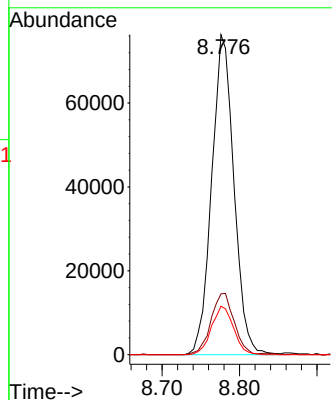
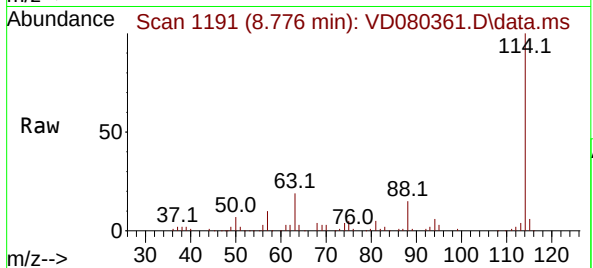
Tgt Ion:114 Resp: 152110

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.840 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080361.D

Acq: 16 May 2025 10:32

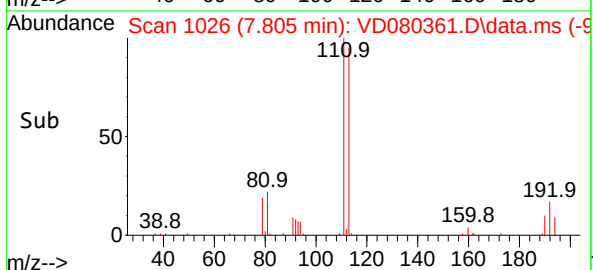
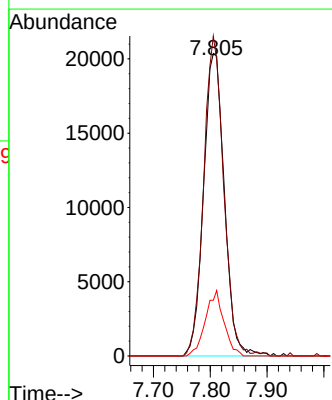
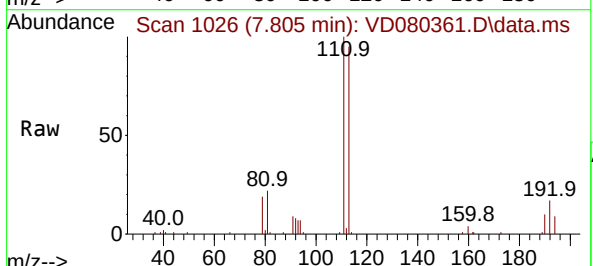
Tgt Ion:113 Resp: 51831

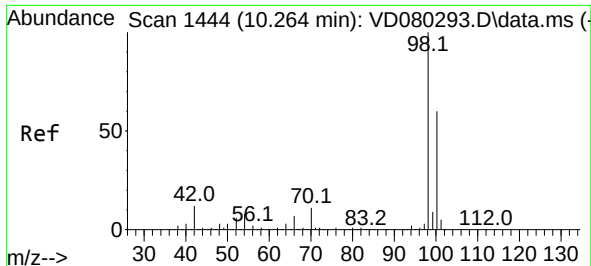
Ion Ratio Lower Upper

113 100

111 100.9 82.5 123.7

192 19.1 16.6 25.0

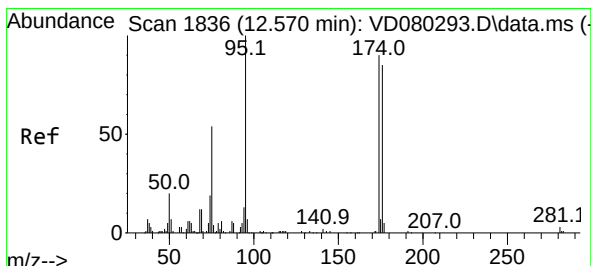
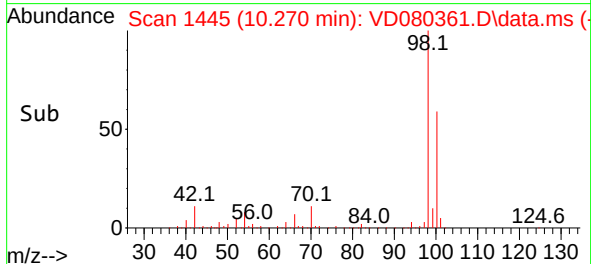
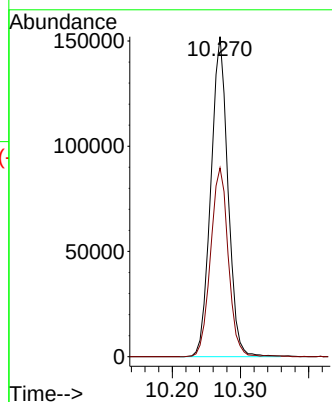
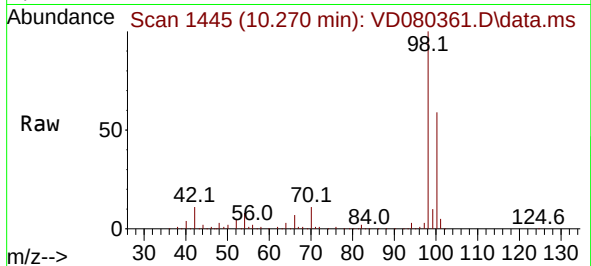




#50
Toluene-d8
Concen: 66.111 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080361.D
Acq: 16 May 2025 10:32

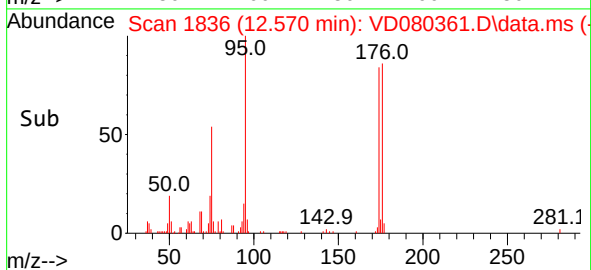
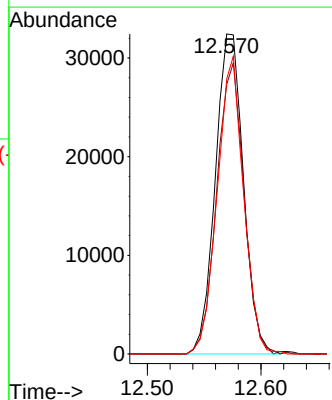
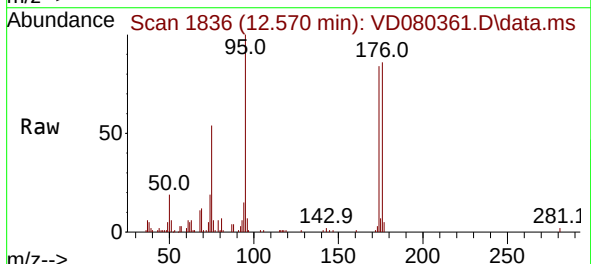
Instrument :
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VD0516SBL01

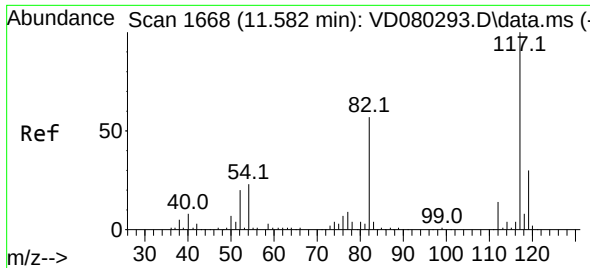
Tgt Ion: 98 Resp: 265564
Ion Ratio Lower Upper
98 100
100 61.2 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 43.147 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080361.D
Acq: 16 May 2025 10:32

Tgt Ion: 95 Resp: 55630
Ion Ratio Lower Upper
95 100
174 88.6 0.0 173.4
176 87.2 0.0 166.6

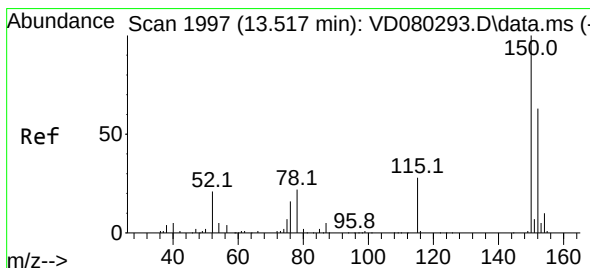
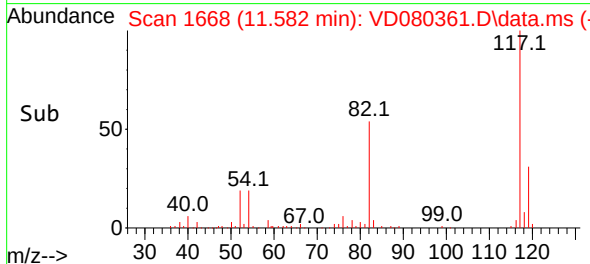
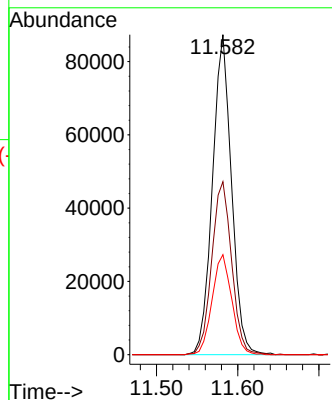
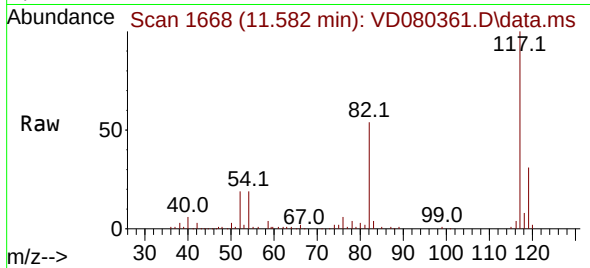




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080361.D
Acq: 16 May 2025 10:32

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

Tgt Ion:117 Resp: 142410
Ion Ratio Lower Upper
117 100
82 54.1 45.8 68.6
119 31.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080361.D
Acq: 16 May 2025 10:32

Tgt Ion:152 Resp: 63137
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.8
150 156.1 0.0 354.8

