

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080321.D
 Acq On : 14 May 2025 14:38
 Operator : RP/MD
 Sample : Q2004-07
 Misc : 4.23G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 205510

Quant Time: May 15 03:35:35 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	75644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	197685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	196213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	88845	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.223	65	68848	70.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.760%
35) Dibromofluoromethane	7.806	113	78408	59.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.360%
50) Toluene-d8	10.270	98	276309	52.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.860%
62) 4-Bromofluorobenzene	12.570	95	75944	45.323	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.640%

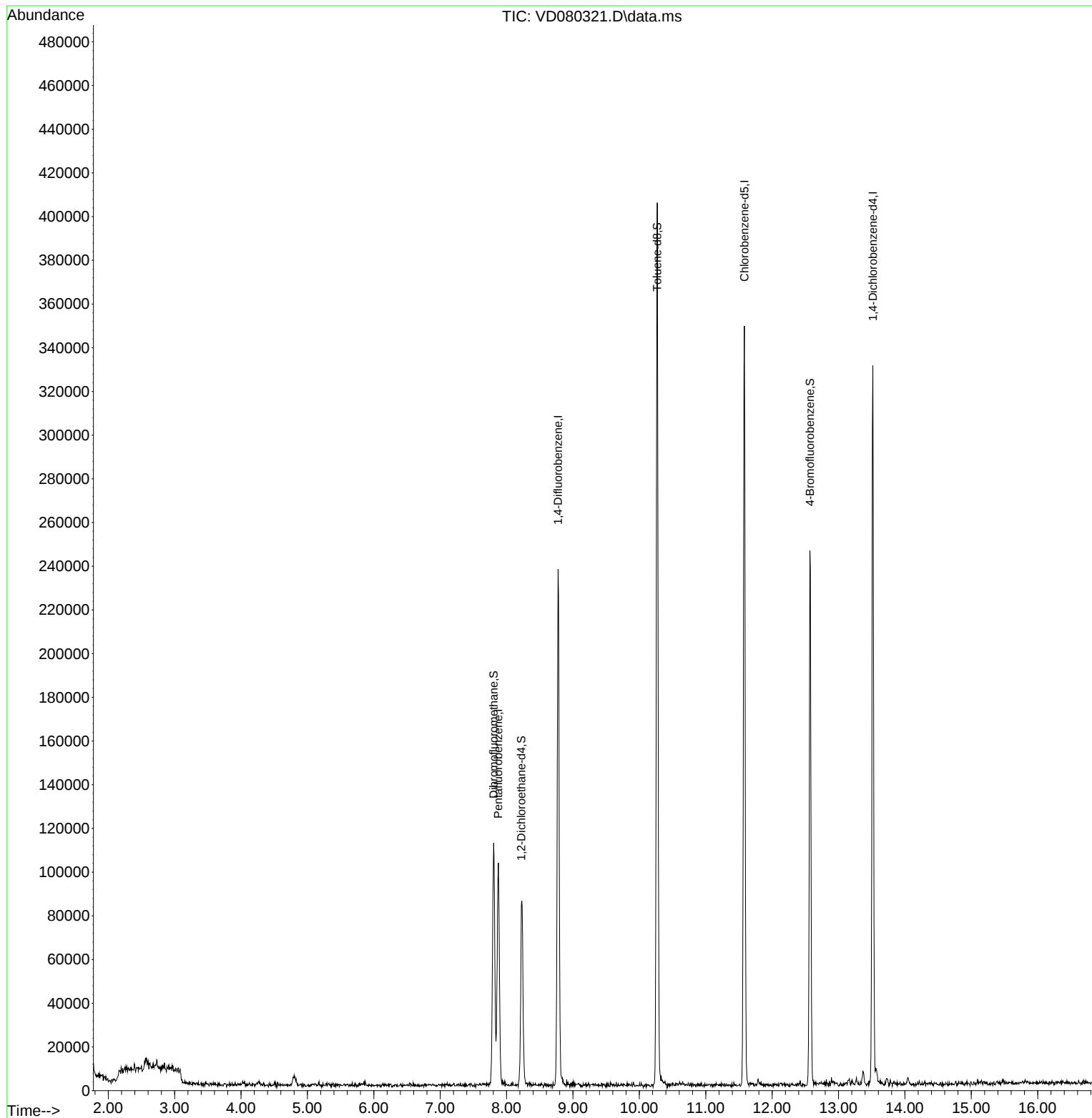
Target Compounds	Qvalue

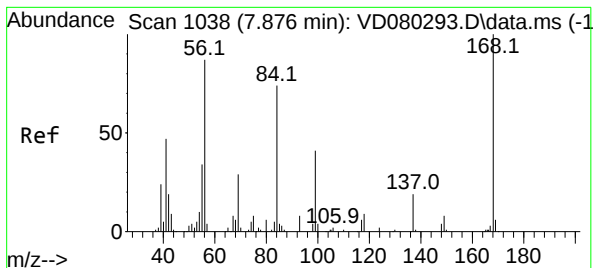
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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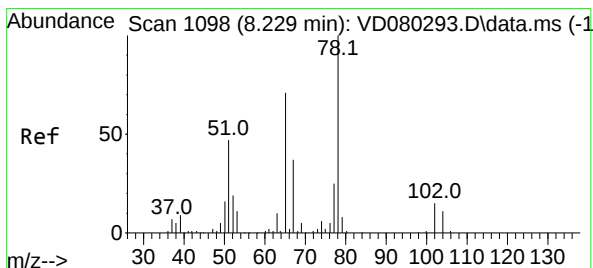
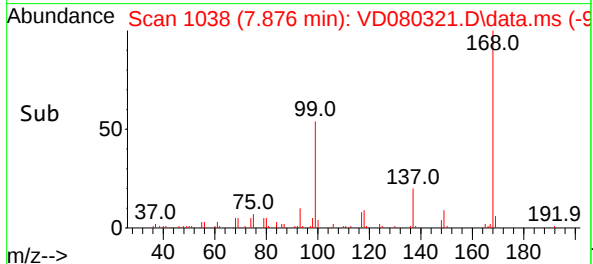
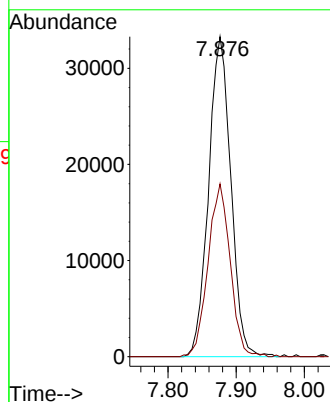
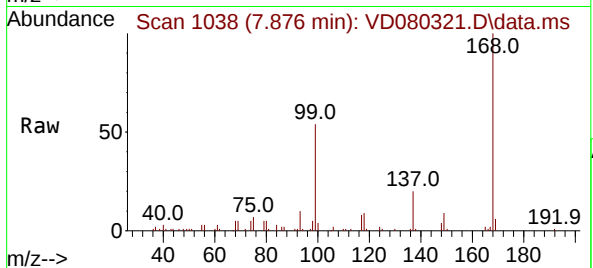




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

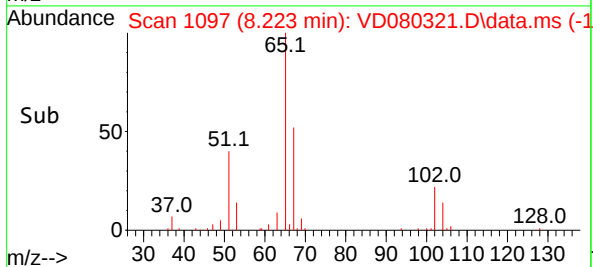
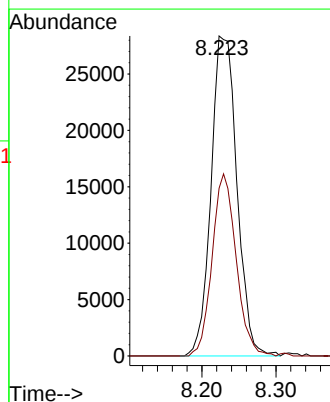
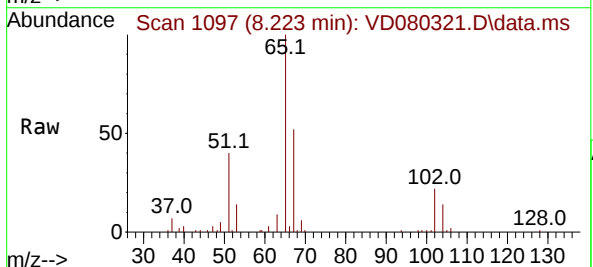
Instrument :
MSVOA_D
ClientSampleId :
205510

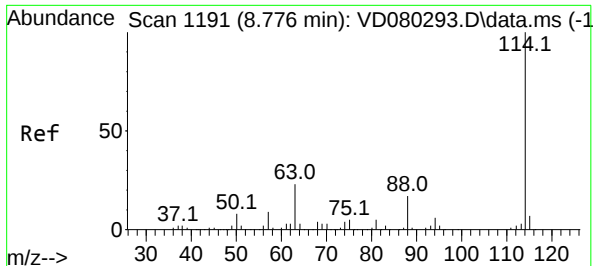
Tgt Ion:168 Resp: 75644
Ion Ratio Lower Upper
168 100
99 54.0 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 70.382 ug/l
RT: 8.223 min Scan# 1097
Delta R.T. -0.005 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion: 65 Resp: 68848
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.2

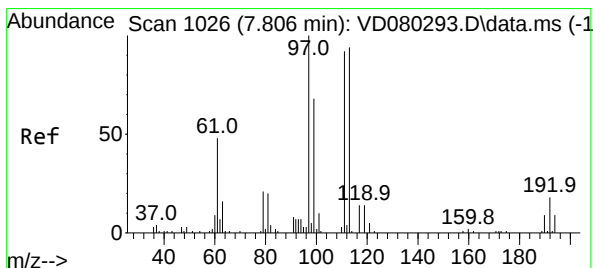
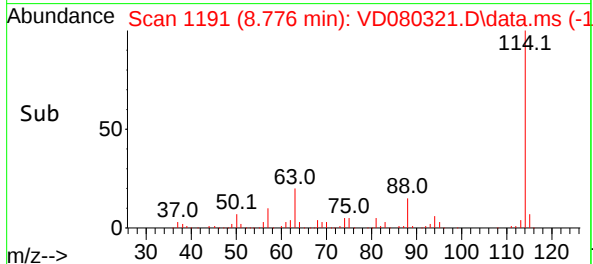
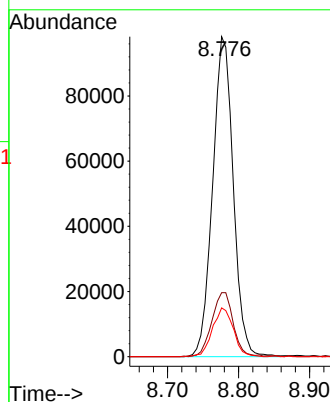
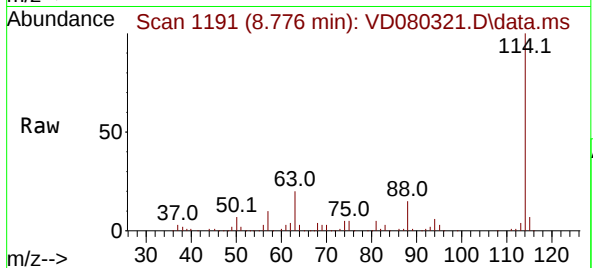




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

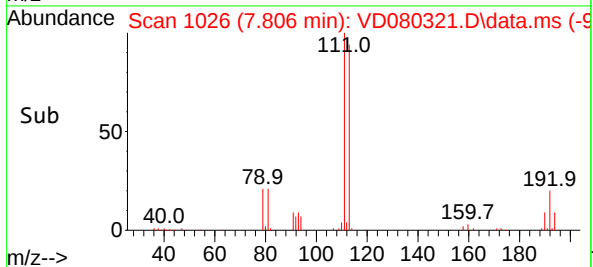
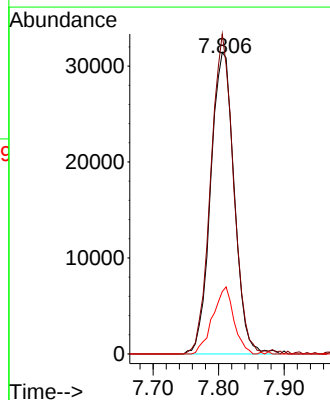
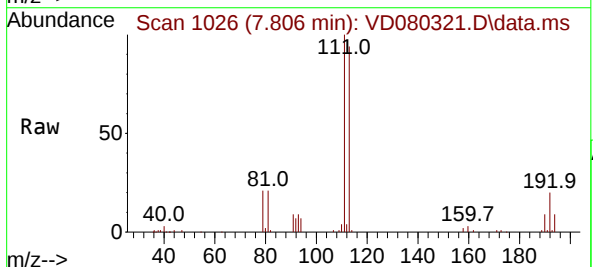
Instrument :
MSVOA_D
ClientSampleId :
205510

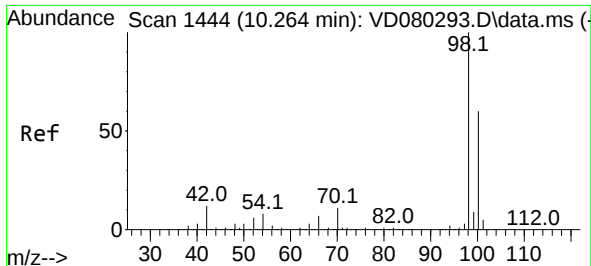
Tgt Ion:114 Resp: 197685
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.8
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 59.178 ug/l
RT: 7.806 min Scan# 1026
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion:113 Resp: 78408
Ion Ratio Lower Upper
113 100
111 102.5 82.5 123.7
192 19.9 16.6 25.0

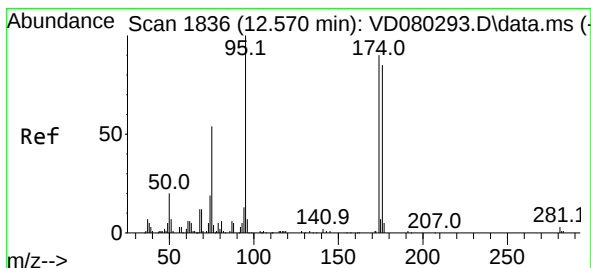
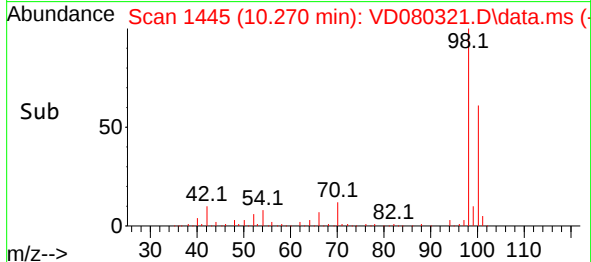
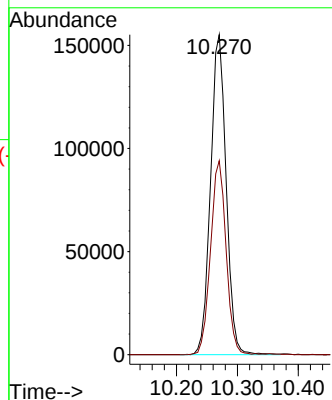
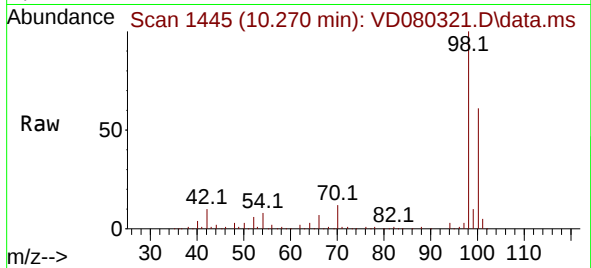




#50
Toluene-d8
Concen: 52.928 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

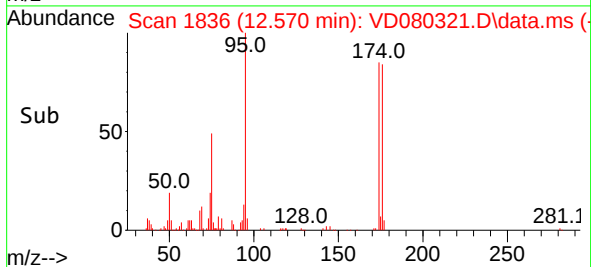
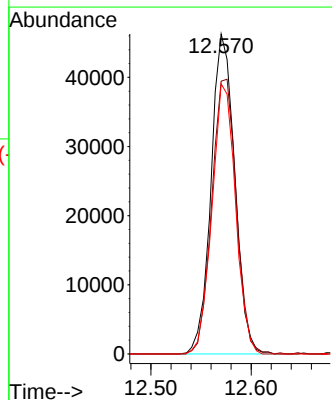
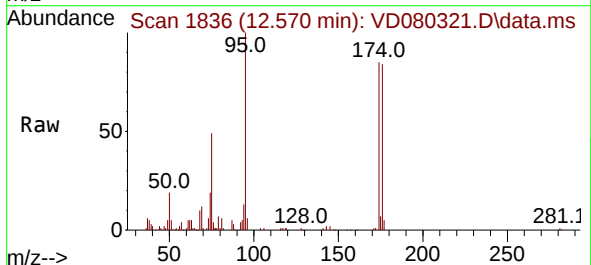
Instrument :
MSVOA_D
ClientSampleId :
205510

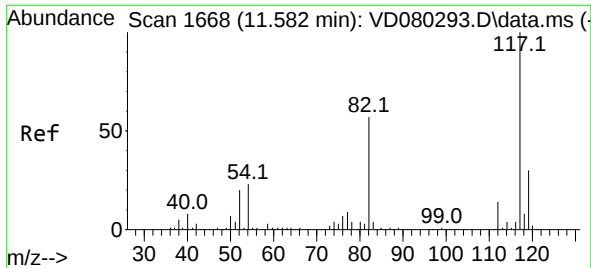
Tgt Ion: 98 Resp: 276309
Ion Ratio Lower Upper
98 100
100 60.6 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 45.323 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion: 95 Resp: 75944
Ion Ratio Lower Upper
95 100
174 89.2 0.0 173.4
176 83.9 0.0 166.6

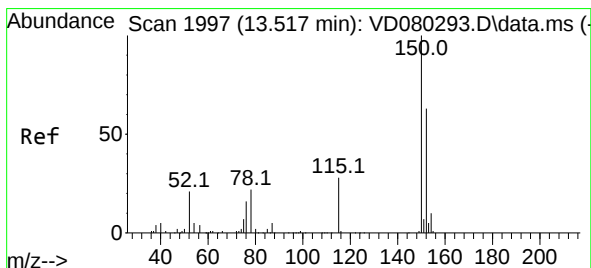
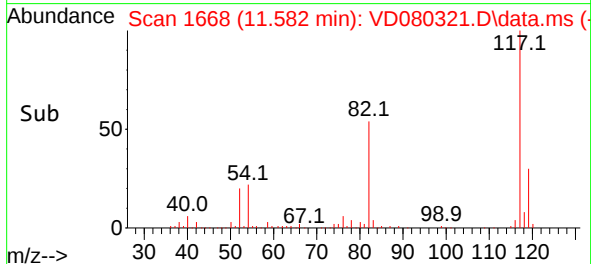
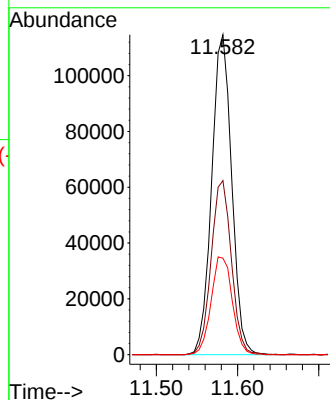
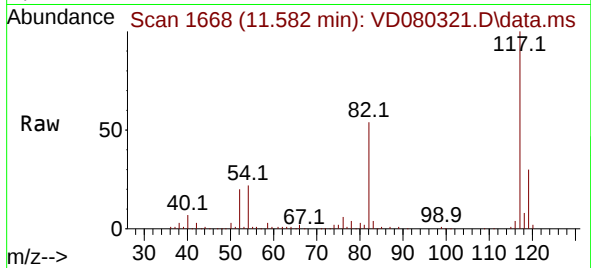




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Instrument :
MSVOA_D
ClientSampleId :
205510

Tgt Ion:117 Resp: 196213
Ion Ratio Lower Upper
117 100
82 54.4 45.8 68.6
119 30.1 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: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion:152 Resp: 88845
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.8
150 157.8 0.0 354.8

