

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080339.D
 Acq On : 15 May 2025 10:53
 Operator : RP/MD
 Sample : VD0515SBL01
 Misc : 5.00G1/5.0mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBL01

Quant Time: May 16 02:52:10 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	100409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	229640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	215037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	92991	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	72020	55.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.940%
35) Dibromofluoromethane	7.805	113	80473	52.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.560%
50) Toluene-d8	10.270	98	294366	48.540	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.080%
62) 4-Bromofluorobenzene	12.576	95	83897	43.102	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.200%

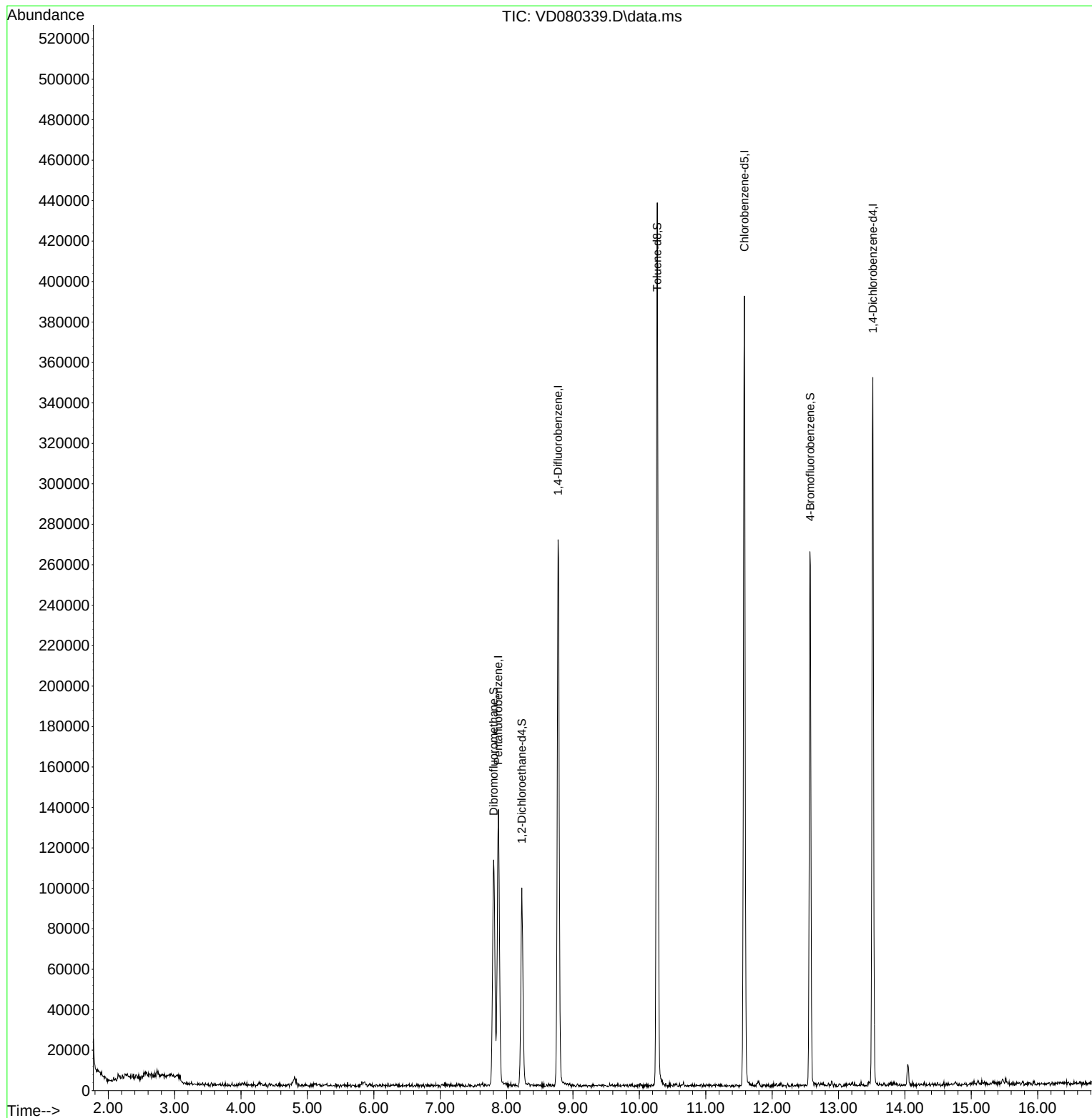
Target Compounds	Qvalue

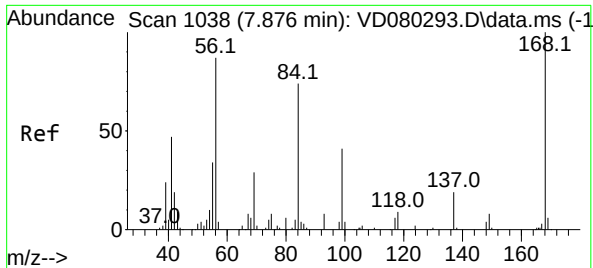
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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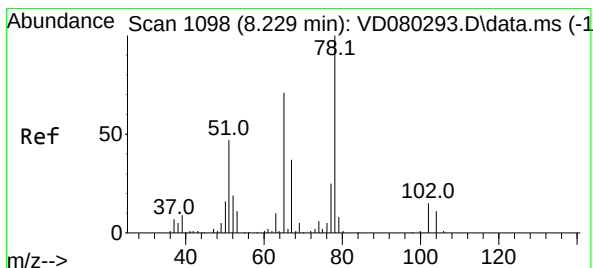
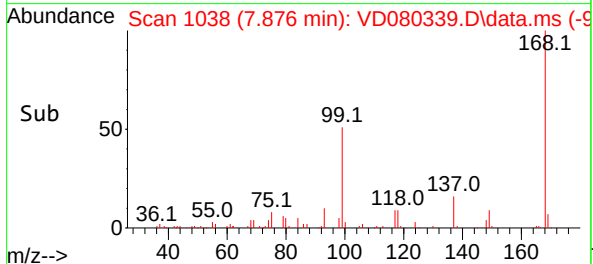
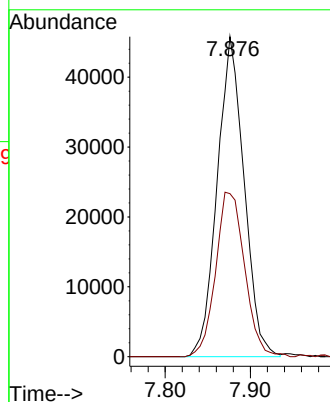
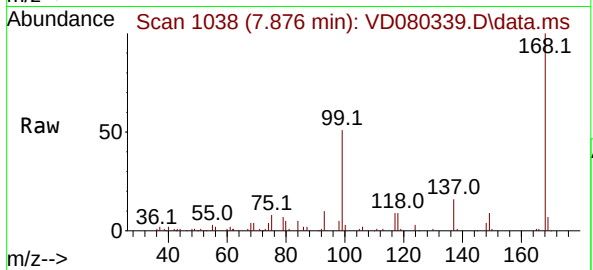




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

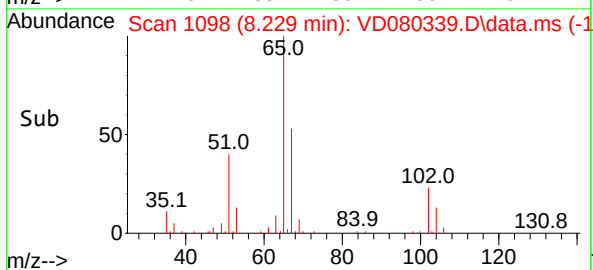
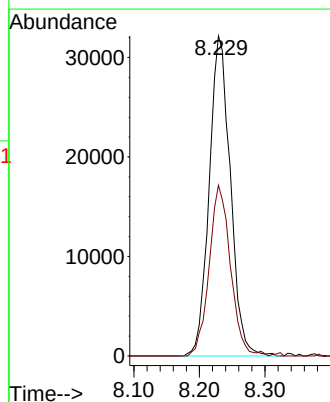
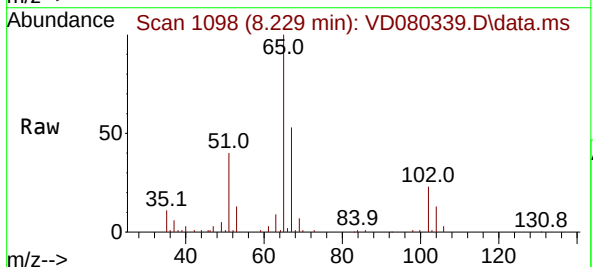
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBL01

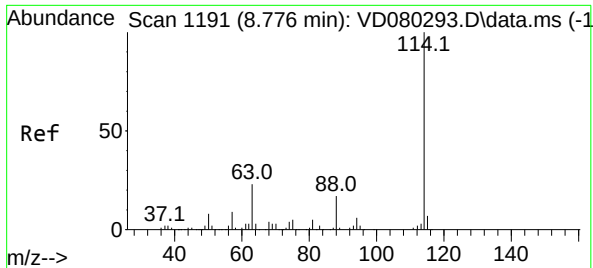
Tgt Ion:168 Resp: 100409
Ion Ratio Lower Upper
168 100
99 50.9 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 55.466 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

Tgt Ion: 65 Resp: 72020
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2

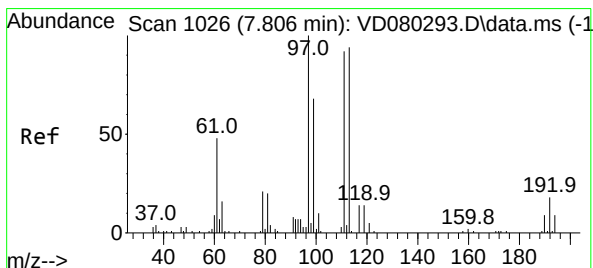
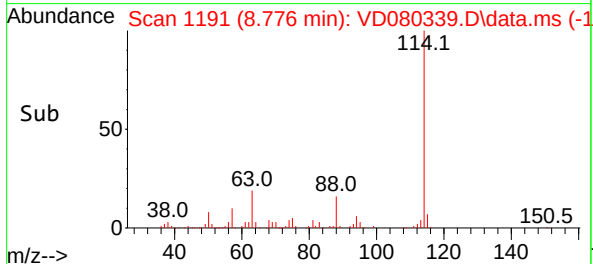
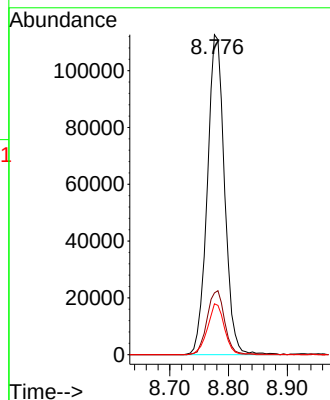
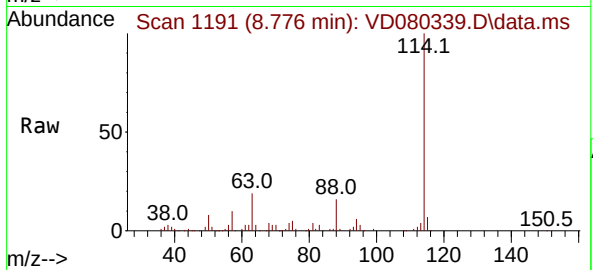




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

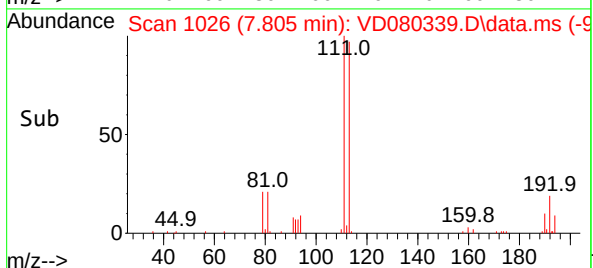
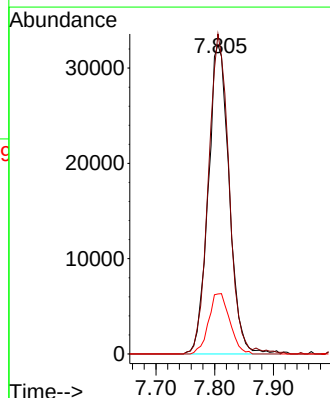
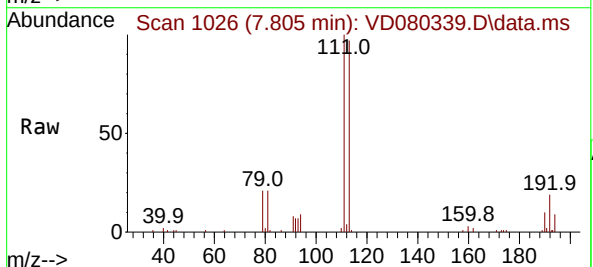
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBL01

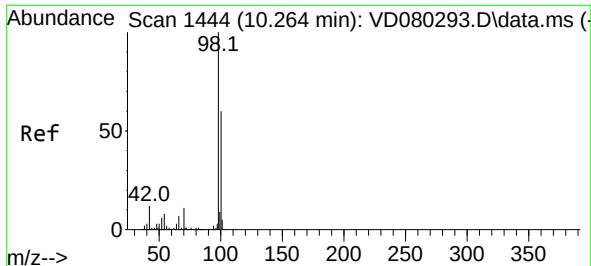
Tgt Ion:114 Resp: 229640
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.8
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.285 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

Tgt Ion:113 Resp: 80473
Ion Ratio Lower Upper
113 100
111 102.2 82.5 123.7
192 19.7 16.6 25.0

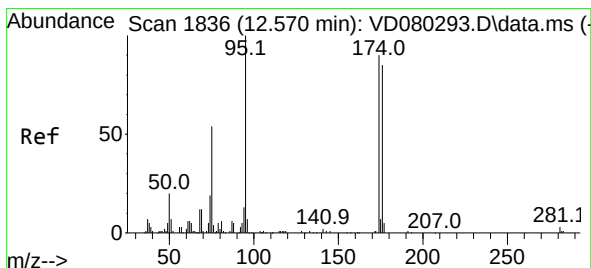
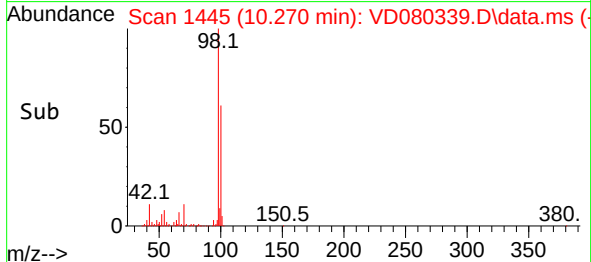
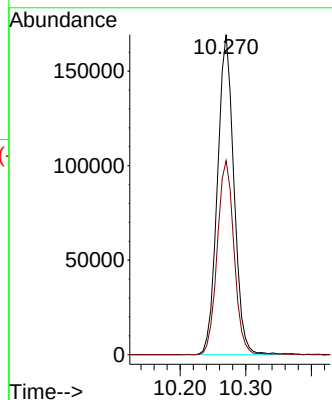
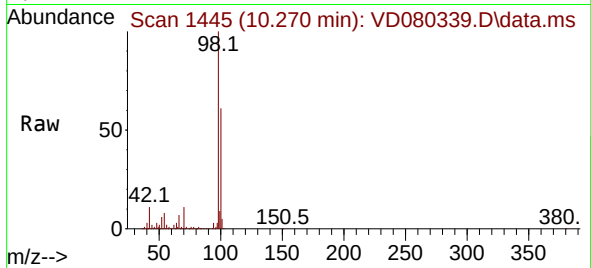




#50
Toluene-d8
Concen: 48.540 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

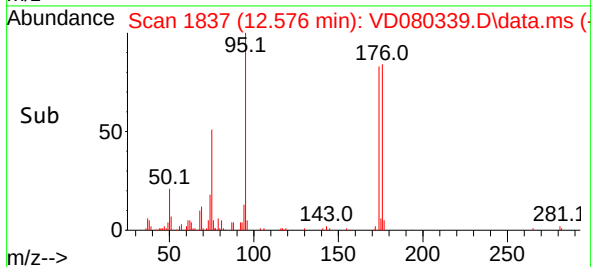
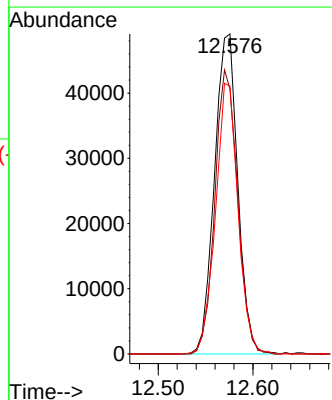
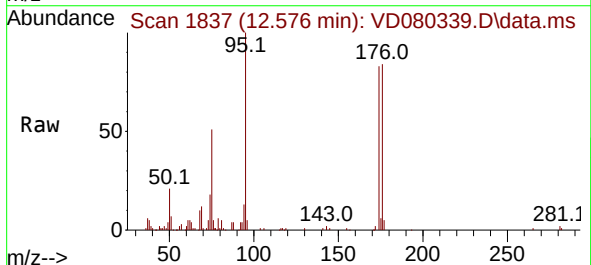
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBL01

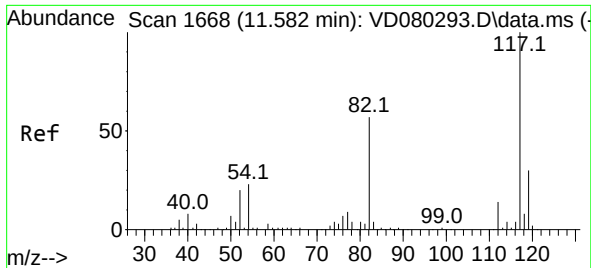
Tgt Ion: 98 Resp: 294366
Ion Ratio Lower Upper
98 100
100 61.9 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 43.102 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

Tgt Ion: 95 Resp: 83897
Ion Ratio Lower Upper
95 100
174 86.9 0.0 173.4
176 81.8 0.0 166.6

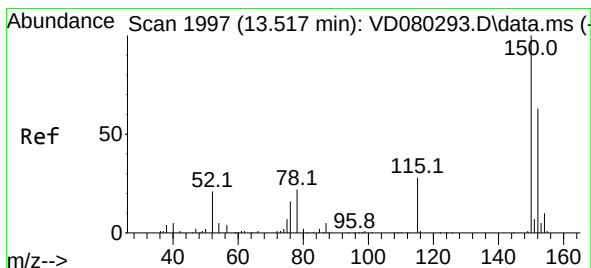
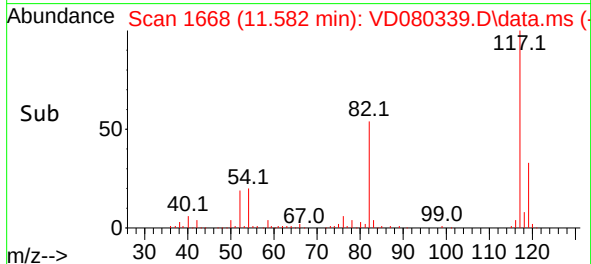
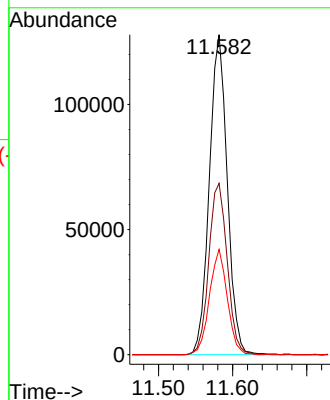
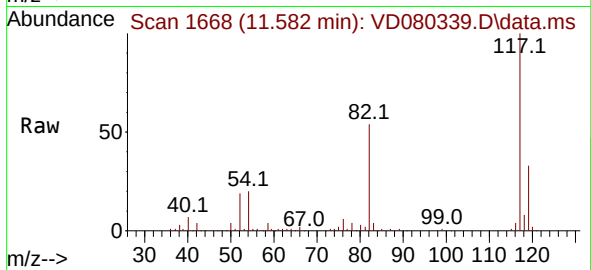




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080339.D
Acq: 15 May 2025 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBL01

Tgt Ion:117 Resp: 215037
Ion Ratio Lower Upper
117 100
82 53.6 45.8 68.6
119 32.9 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: VD080339.D
Acq: 15 May 2025 10:53

Tgt Ion:152 Resp: 92991
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.8
150 157.5 0.0 354.8

