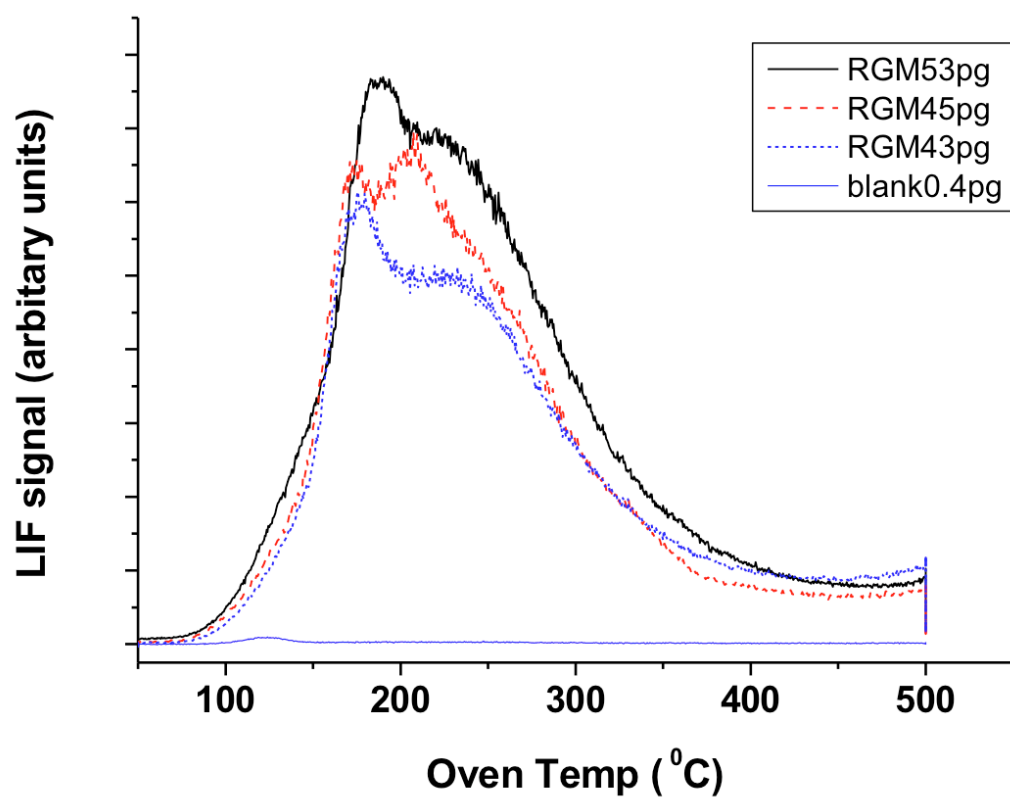


Supplementary Figures

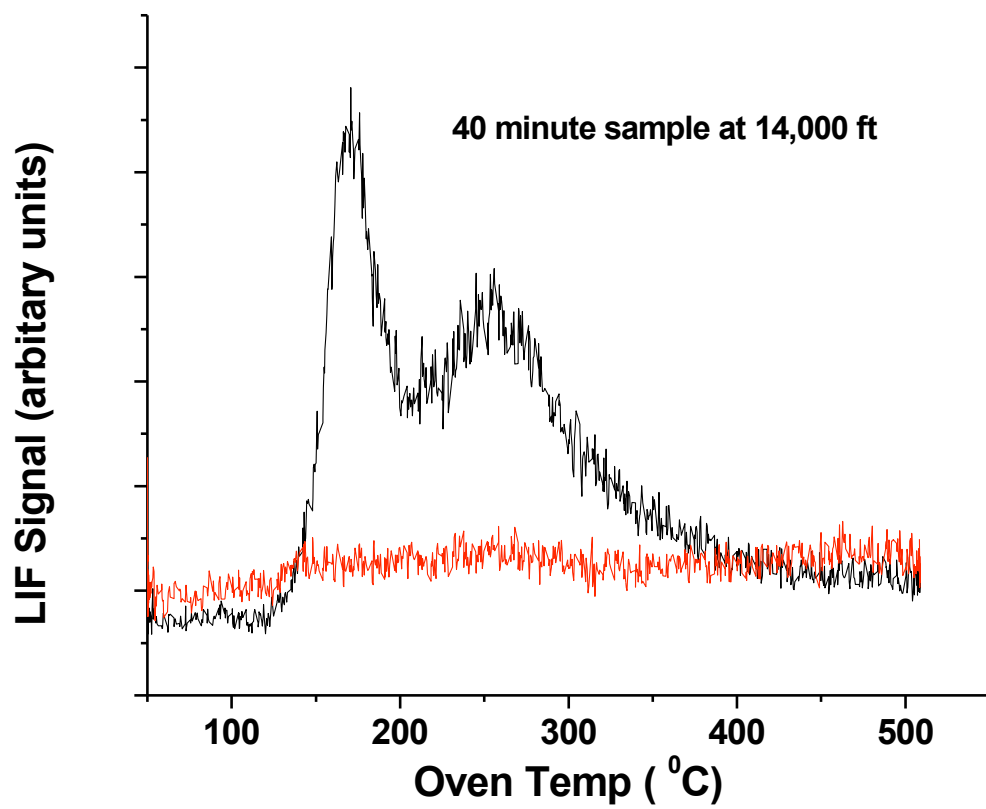
Supplementary Figure 1. Thermal dissociation profiles for HgCl_2 loaded on quartz tubular denuders with an etched central section. Masses of HgCl_2 deposited (expressed as the equivalent weight of elemental mercury in pg) are 53, 45, 43 pg. A denuder blank is also shown.

Supplementary Figure 2. PTD profile of a high altitude RGM sample with a total mass of 58 pg (expressed as the equivalent weight of elemental mercury). A flight blank (5.4 pg) is also shown.

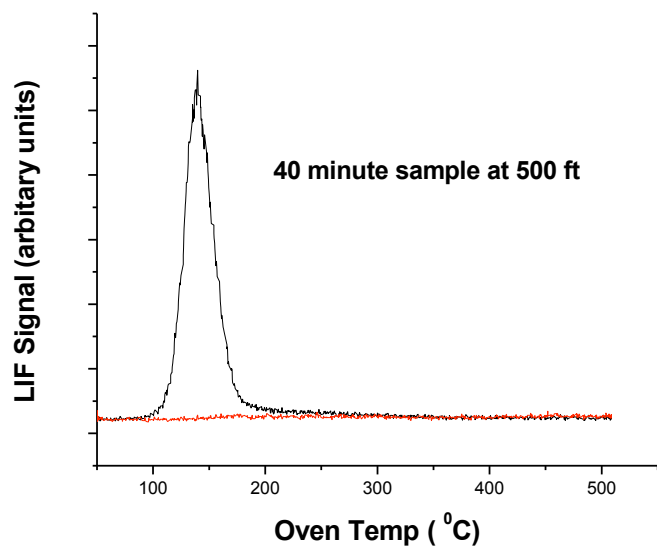
Supplementary Figure 3. PTD profile of a RGM sample taken at 500 ft in the marine boundary layer over the Gulf of Mexico with a total mass of 56 pg (expressed as the equivalent weight of elemental mercury). A flight blank (3 pg) is also shown.



Supplementary fig. 1



Supplementary Fig 2



Supplementary Fig. 3