(a)

(b)

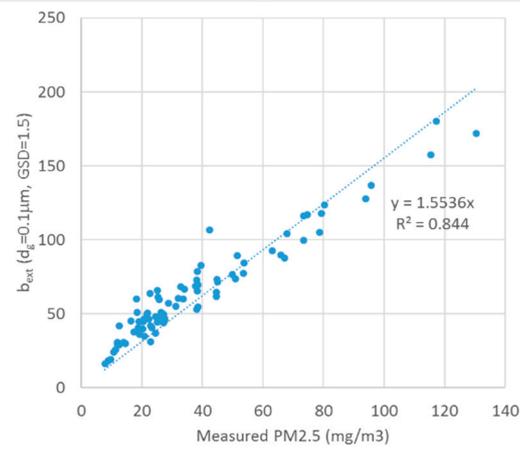**Figure S1.** Comparison of measured PM2.5 mass concentration with (**a**) SMP (Solver for Mixture Problem)-estimated PM2.5 mass concentration and (**b**) extinction coefficient (b_{ext}) during the sampling period [14].
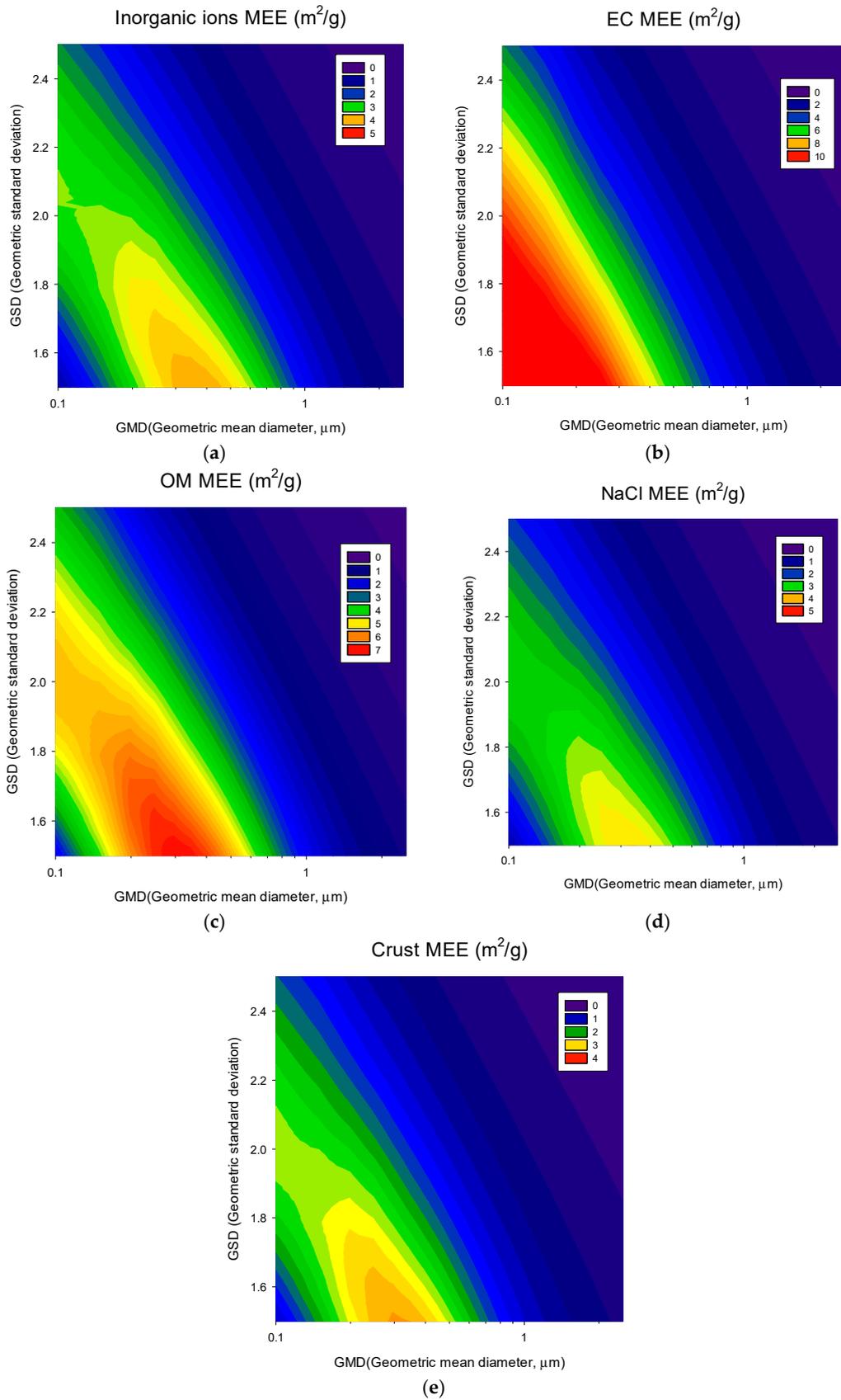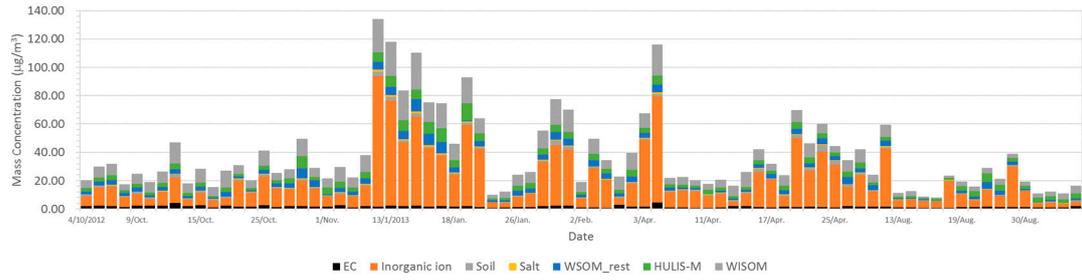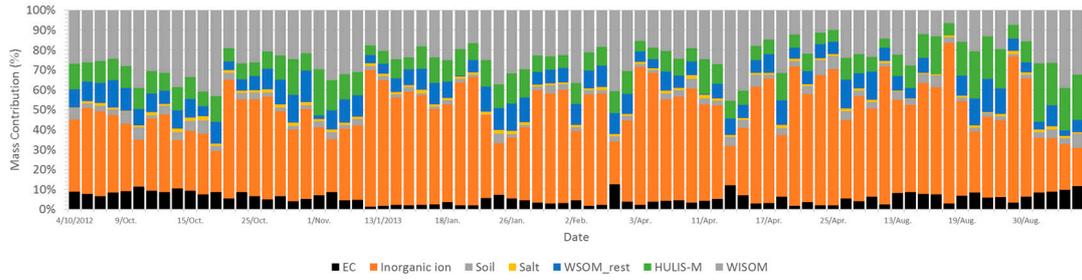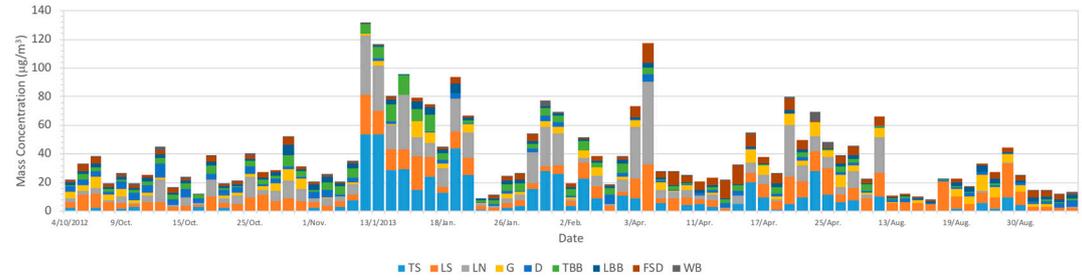
Figure S2. Sensitivity of mass extinction efficiency for inorganic ions, EC, OM, NaCl, and crust as a function of the geometric mean diameter in the range of 0.1–2.5 μm and geometric standard deviations in the range of 1.5–2.5.
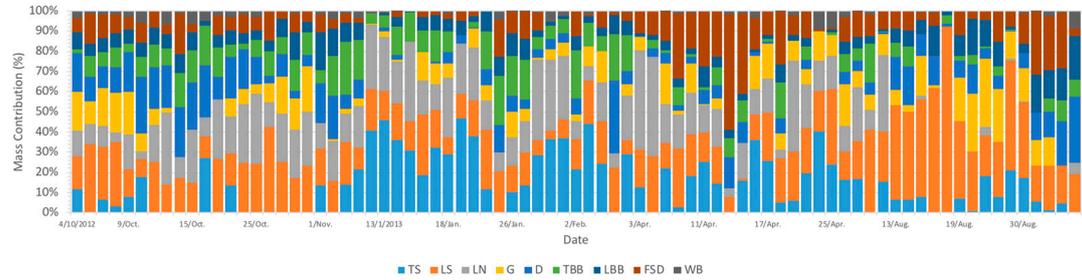
Figure S3. Source-based mass concentrations and their contibution during the sampling period [14]. (**a**) Chemical-compound-based mass concentration. (**b**) Chemical-compound-based mass contribution, (**c**) Source-based mass concentration. (**d**) Source-based mass contribution.