

Supplementary Material for “Evolution of organic aerosol mass spectra upon heating: implications for OA phase and partitioning behavior”

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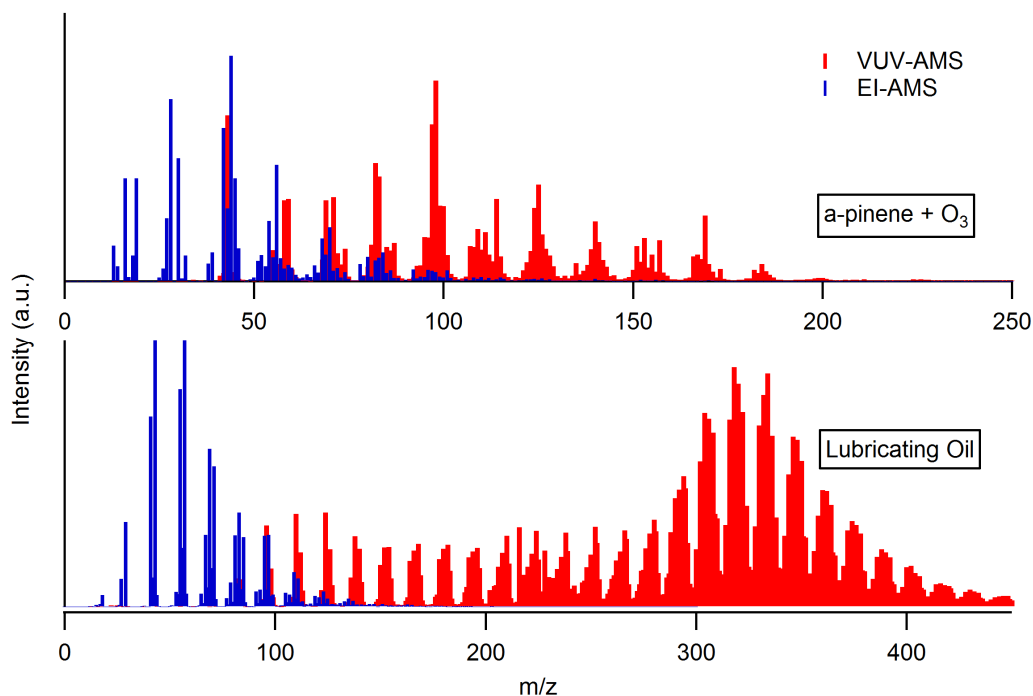


Figure S1. Mass spectra for primary lubricating oil aerosol (bottom) and SOA from α -pinene + O_3 (top) measured using the VUV-AMS (red) and a conventional EI-AMS. Note the much greater number of high m/z peaks for the VUV mass spectrum compared to the EI mass spectrum. Part of this difference is attributable to the different ionization methods and part to the lower vaporization temperatures employed in the VUV-AMS. EI mass spectra are from (1).

References:

(1) Ziemann, P. J.; Faulhaber, A. E.; Huffman, J. A.; Lechner, M.; Jimenez, J. L. Combined Mass Spectra-Volatility Database. <http://cires.colorado.edu/jimenez-group/TDPBMSsd/> (accessed 30 July 2010)