

Supporting Information of
Iodide accelerates the processing of biogenic monoterpene emissions on
marine aerosols

Shinichi Enami¹, Michael R. Hoffmann² and Agustín J. Colussi^{2*}

¹National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba 305-8506, Japan.

²Linde Center for Global Environmental Science, California Institute of Technology, Pasadena,
California 91125, USA.

*Author to whom correspondence should be addressed: ajcoluss@caltech.edu

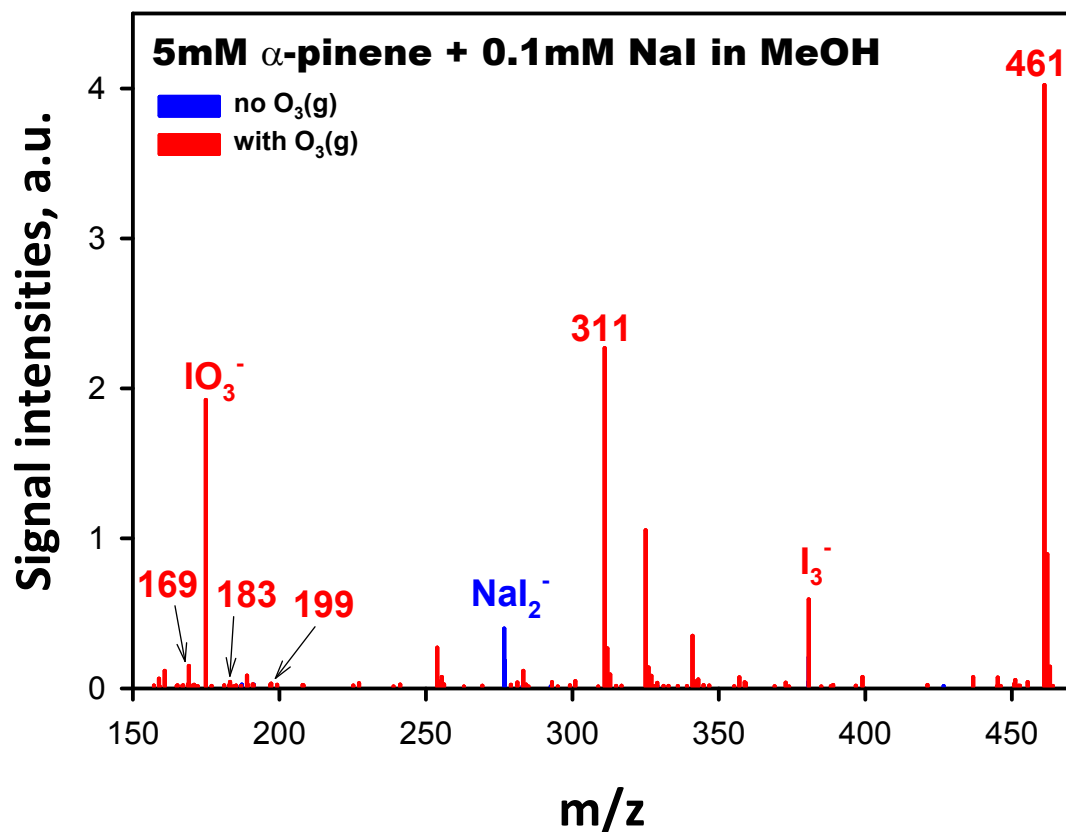


Figure S1 – Mass spectral signal intensities of the anions produced on the surface of microjets of (5 mM α -pinene + 0.1 mM NaI) solutions in methanol in the absence (blue) or presence (red) of 1050 ppmv $O_3(g)$ concentrations for < 10 microseconds. Signals correspond to m/z = 169 ($C_9H_{13}O_3^-$), m/z = 183 ($C_{10}H_{15}O_3^-$), m/z = 199 ($C_{10}H_{15}O_4^-$), m/z = 311 ($C_{10}H_{16}IO_3^-$) and m/z = 461 ($C_{20}H_{30}IO_4^-$), plus m/z = 175 (IO_3^-) and m/z = 381 (I_3^-) species.