



## Supplement of

## Coupling a gas chromatograph simultaneously to a flame ionization detector and chemical ionization mass spectrometer for isomer-resolved measurements of particle-phase organic compounds

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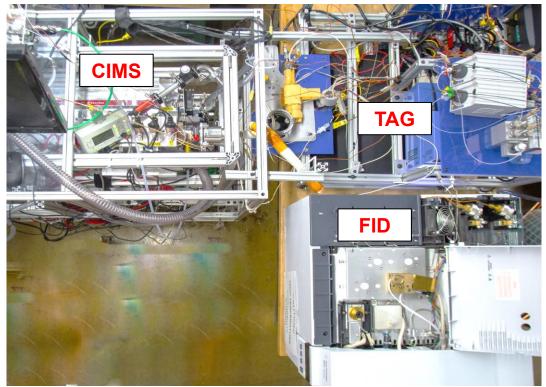


Figure S1. Plan view of the TAG-CIMS/FID

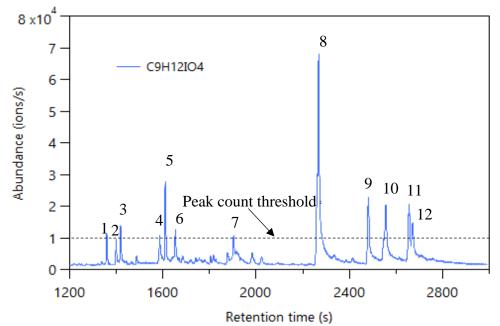


Figure S2. Single ion chromatograph of  $C_9H_{12}IO_4$ . Peaks marked with numbers are those having abundance higher than the peak count threshold.

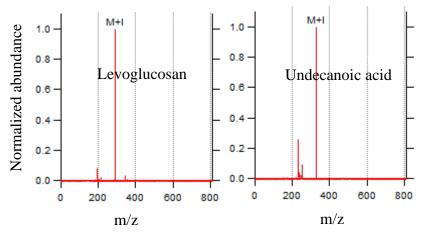


Figure S3. Background subtracted mass spectra of levoglucosan and undecanoic acid in liquid standard mixture.