Page 5: The value of 1.0 g cm⁻³ is rarely used for SOA densities, which are believed to be around 1.4 g cm⁻³. Therefore, after "... the density of the organic material was assumed to be 1.0 g cm⁻³." I would add a statement like that: "While this choice of density affects the estimated mass of collected SOA, the major conclusions of this work are not sensitive to the actual value of SOA densty."

Page 5: "...of H_2O_2 (60% w/v, Fisher Scientific)." "...of H_2O_2 (produced by evaporation of a 60% w/v solution, Fisher Scientific)."

Page 6: "d3-carene" -> " Δ_3 -carene" and " Δ 3-carene" -> " Δ_3 -carene"

Page 6: Unusual units are used for the OH exposure in " 1.3×10^7 molecule cm⁻³ h⁻¹". Exposure is normally measured in concentration*time. You use a unit of a reaction rate instead, concentration per unit time. Should this be corrected?

Page 7: "NOx monitored" -> "NOx was monitored"

Page 8: Since I am a co-author on the Bateman (2008) paper, I should point out that hemiacetals formed very fast upon mixing SOA and methanol while esters formed very slowly. Therefore I would suggest using: "Bateman et al. (2008) observed facile formation of hemiacetals in reactions of SOA carbonyls with methanol and slow formation of esters in reactions of SOA carboxylic acids with methanol."

Page 9: "MSn" -> "MSⁿ"

Page 11: "areduction" -> "a reduction"

Page 11: "*m/z m/z* 357.15509" -> " *m/z* 357.15509"

Page 12: abbreviation "nC" is introduced twice. Also in Eq. 1, C is entered as a subscript. Use subscripts everywhere for consistency?

Page 13: " Δ 3-carene" -> " Δ ₃-carene"

Page 17: if these are actual collision energy values than the unit should be "eV" instead of "V". If this is just a system voltage, "V" is OK.

Page 16: "reaction(Fig. 7a)." -> "reaction (Fig. 7a)." (insert space)

Page 16: "Fig 7b" -> "Fig. 7b"

Page 18: Fix "294001 K" in the Atkinson (1996) reference

Page 20: Healy (2012) reference has the name of the journal mis-abbreviated and name one of the authors underlined for some reason.

Page 20: Henry (2012) reference has an unnecessary underscore sign

Page 22: Shilling (2009) reference has an underscore instead of α