

- P1 L2: *Nonetheless*
- Given the reviewer comments, a sentence at the end of the abstract regarding the atmospheric implications of the findings would be good.
- P2 L32: *while* oxidation in the troposphere...
- P2 L42: isotopic analysis must take (remove comma)
- P2 L45 *results*
- P3 L82: 16 experiments *were* conducted
- P4 L84: Remove the [] around the temperature lists; unnecessary. Also reorder the lists to ascending or descending; although this reflects the order of your expts it is confusing at this point.
- Section 4.1: Provides very little information... I agree with the reviewers that this section, while not the "focus" of your study, is important particularly in view of the ACP reader's interests. what do you mean here with the final sentence; the present uncertainty *in your measurements or in the source signals from literature?* What are the source signals, and what sources might you be able to differentiate with them? Is the OH reaction effect larger than any of the source signals, and how much may it affect interpretation of atmospheric data? I realise this is not the focus but it would be good to give a little more detail, and a little quantitative calculation, on the impacts of your results for interpretations of ambient clumped methane composition.