

## ***Interactive comment on “Impact of VOCs on the formation of ozone in a central China city during severe pollution periods” by Bowei Li et al.***

### **Anonymous Referee #1**

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This paper presents a relatively comprehensive VOC dataset collected over a 5 month period for a part in China for which not many atmospheric measurements exists. Therefore the dataset can be considered novel. In addition, comprehensive data analysis were conducted that included various different methods to interpret temporal and spatial variations, as well as establish sources of VOCs. However, the paper is poorly written and structured, with many sections/parts written incoherently. In addition, many figures contain too much information and are illegible, which make these figure difficult to interpret and understand. Finally, the title can also be changed, since the influence of VOCs on O<sub>3</sub> formation forms only a small part of the paper. The main focus of the paper is on the measured VOCs.

A significant number of minor and major comments are included in the uploaded

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marked-up version of the paper.

Please also note the supplement to this comment:

<https://www.atmos-chem-phys-discuss.net/acp-2018-397/acp-2018-397-RC1-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2018-397>, 2018.

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