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# ***Interactive comment on “Understanding primary and secondary sources of ambient carbonyl compounds in Beijing using the PMF model” by W. T. Chen et al.***

**W. T. Chen et al.**

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We would like to thank the referee for the valuable comments. We considered thoroughly for all the comments from the referee. In our revised manuscript, we have added more information and discussion to validate our analysis, including quality assurance and quality control of VOC measurements, the rationality of PMF results, characteristics of carbonyls in Beijing and comparison with previous studies. We smoothed the text and conclusion to prevent possible contradiction and confusion, and added several sentences in revised version as well. The response to individual comments is listed in supplement.

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Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/13/C8983/2013/acpd-13-C8983-2013-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 15749, 2013.

**ACPD**

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