

Supplementary Information

for

Atmospheric fate of two relevant unsaturated ketoethers: kinetics, products and mechanisms for the reaction of hydroxyl radicals with (*E*)-4-methoxy-3-buten-2-one and 1-(*E*)-1-methoxy-2-methyl-1-penten-3-one.

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Content Summary

Fig. S1: Residual spectrum obtained on the TMBO + OH radical reaction (Fig. 3 trace H) focused in the frequency region between 3400 cm⁻¹ and 3800cm⁻¹.

Fig. S2: Concentrations of carbonyls formed against reacted TMBO in the reaction with OH radicals.

Fig. S3: Residual spectrum obtained in the MMPO + OH reaction (Fig. 4 trace H) in the frequency region between 3400 cm⁻¹ and 3800cm⁻¹.

Fig. S4: Concentrations of carbonyls formed against reacted MMPO in the reaction with OH radicals.

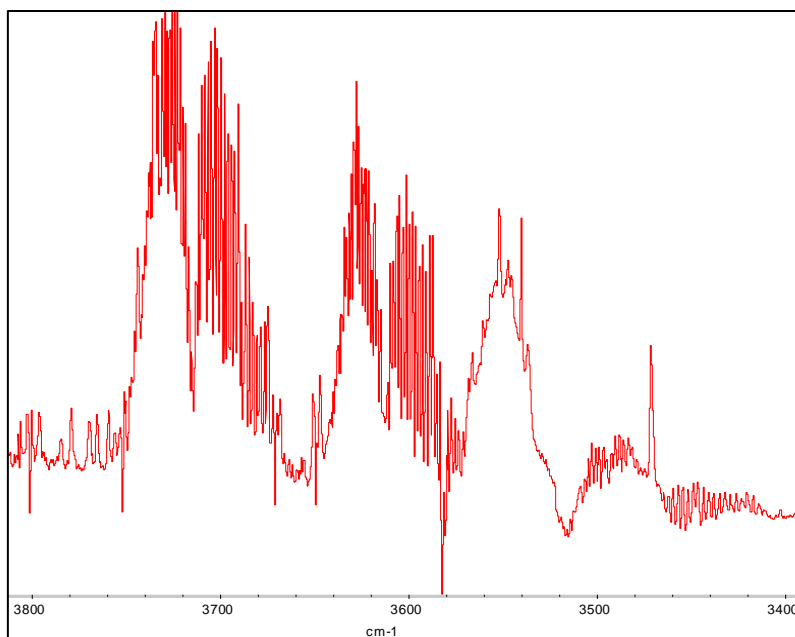


Figure S1. Residual spectrum obtained in the TMBO + OH reaction (Fig. 3 trace H) in the frequency region between 3400 cm^{-1} and 3800 cm^{-1} .

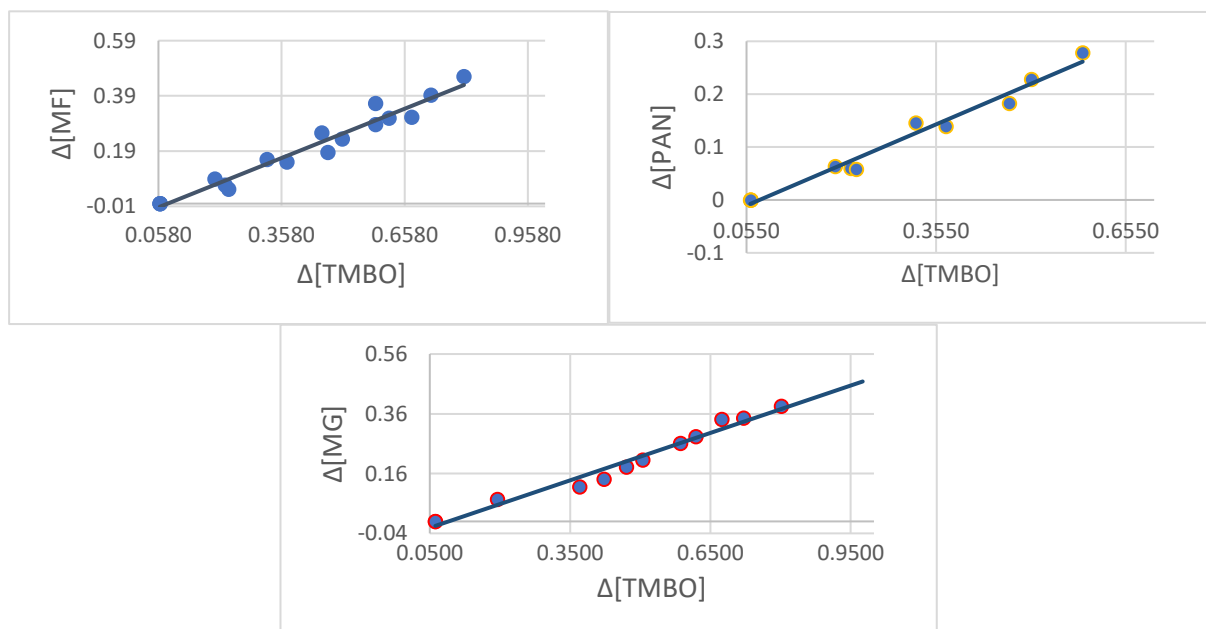


Figure S2. Example of the concentrations of carbonyls formed against reacted TMBO in the reaction with OH radicals.

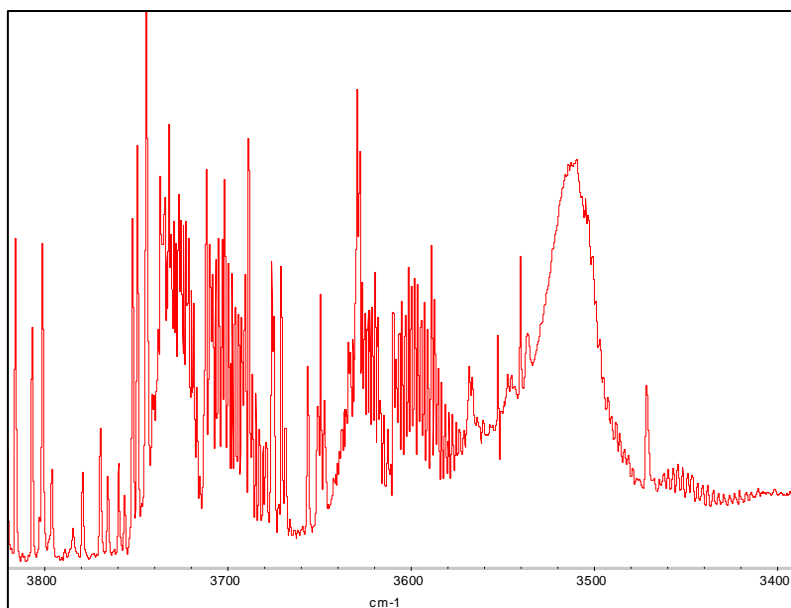


Figure S3. Residual spectrum obtained in the MMPO + OH reaction (Fig. 4 trace H) in the frequency region between 3400 cm^{-1} and 3800 cm^{-1} .

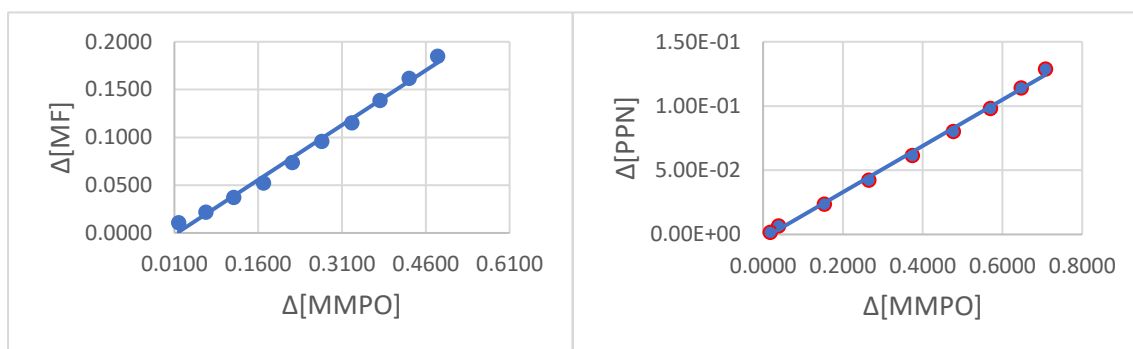


Figure S4. Example of the concentrations of carbonyls formed against reacted MMPO in the reaction with OH radicals.