

Interactive comment on “Evolution of NO₃ reactivity during the oxidation of isoprene” by Patrick Dewald et al.

Thomas Karl (Editor)

thomas.karl@uibk.ac.at

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For clarification: While it is correct that m/z 43+ can be a common fragmentation mass during PTR, the fragment $C_3H_6H^+$ (nominal protonated mass: 43+) is typically not associated with isoprene, which shows a minor fragmentation channel on nominal mass 41+ (i.e. m/z 69 \rightarrow m/z 41: $d(\text{amu}) = 28$). A similar (higher yield) fragmentation pattern during proton-transfer is also produced by monoterpenes (e.g. m/z 137 \rightarrow m/z 81 = $d(\text{amu}) = 56 = 2 \cdot 28$).

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Discussion paper

