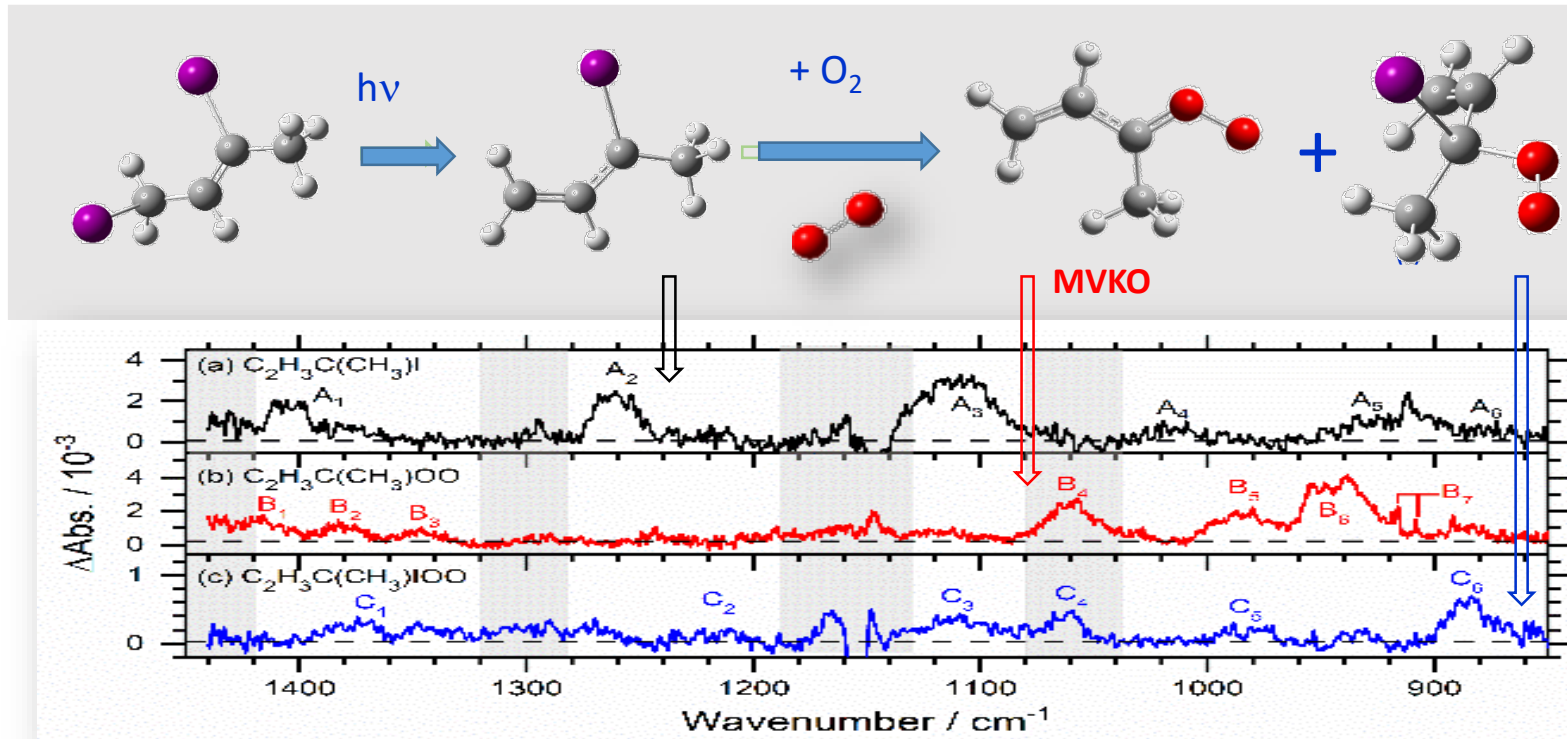


# (WM04) P4898: INFRARED SPECTRA OF GASEOUS (Z)-3-iodo-buT-2-en-1-yl $[C_2H_3C(CH_3)I]$ RADICAL, METHYL VINYL KETONE OXIDE $[C_2H_3C(CH_3)OO]$ , MVKO] CRIEGEE INTERMEDIATE, AND $C_2H_3CI(CH_3)OO$ PEROXY RADICAL PRODUCED UPON PHOTODISSOCIATION OF (Z)-1,3-DIiodo-buT-2-ene $[(CH_2I)HC=C(CH_3)I]$ IN OXYGEN

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- MVKO is one of the Criegee intermediates produced in the ozonolysis of isoprene
- We used ss-FTIR to determine their transient IR spectra.



- We used QCL to study kinetics of the formation and self-reaction of MVKO  $(2.7 \pm 0.3) \times 10^{-10} \text{ cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$

