



Fig. 2. Fraction of parent hydrocarbon reacting through each SOA-forming pathway globally and annually averaged (a). All isoprene photooxidation is labeled as low-NO_x (RO₂ + HO₂) since the aerosol yields are representative of those conditions. Isoprene reaction with ozone is not shown since it does not produce aerosol. Panel (b) shows the estimated contribution of each parent hydrocarbon-oxidant pathway to total biogenic aerosol globally and annually averaged. Panel (b) is estimated using the aerosol yield for each system at an organic loading of 1.5 μg/m³.