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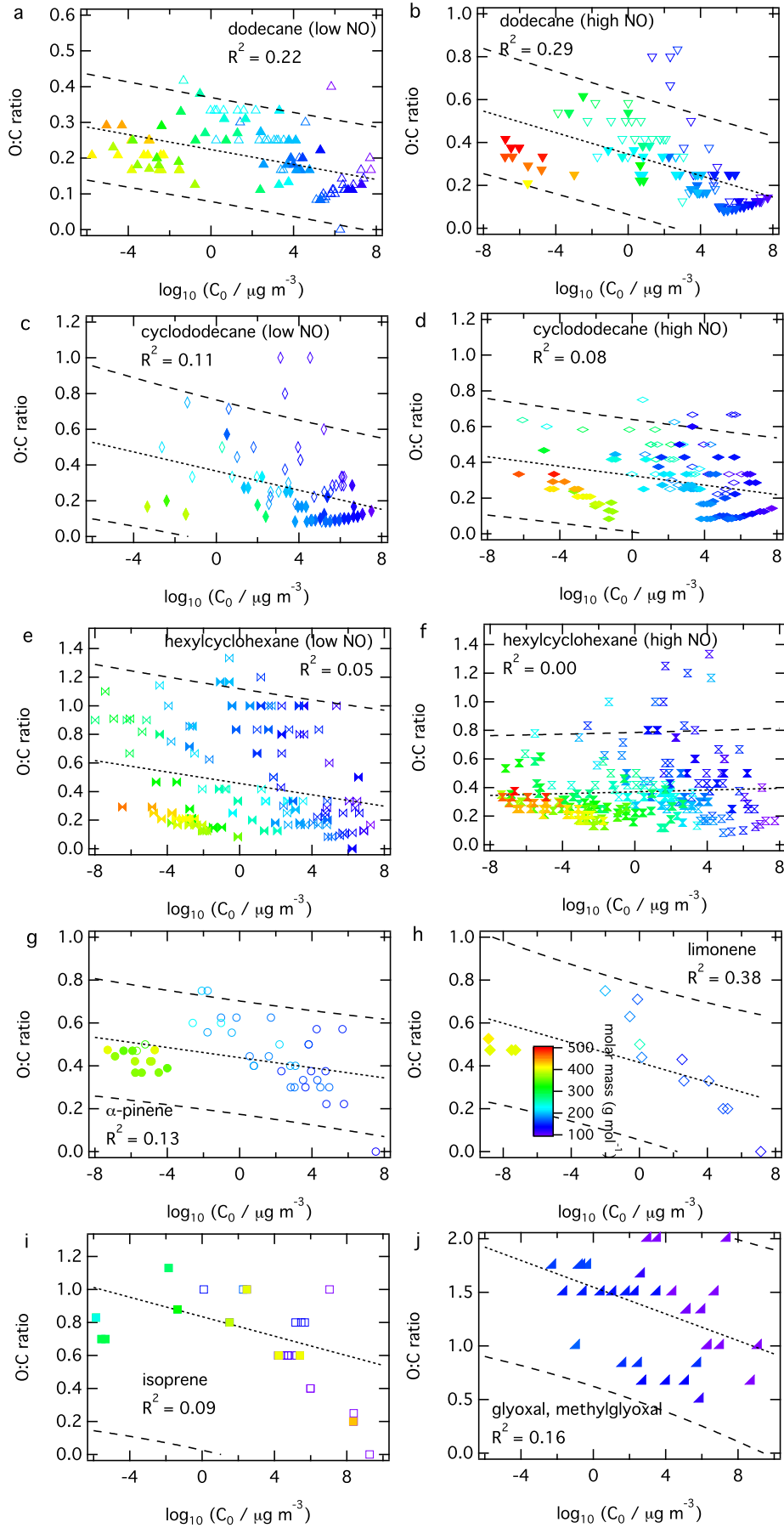


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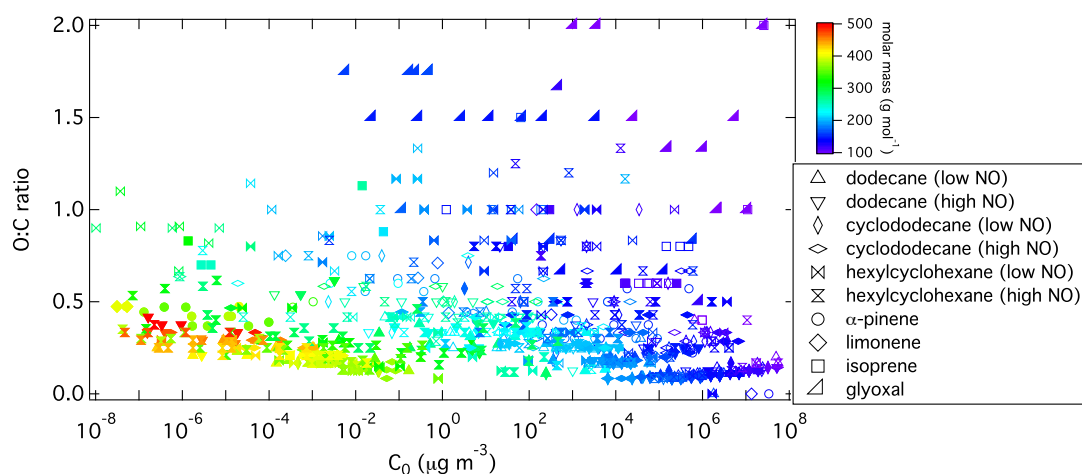
Molecular corridors and kinetic regimes in the multiphase chemical evolution of secondary organic aerosol

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2 **Figure S1.** Atomic O:C ratio vs. volatility (C_0) at 298 K for oxidation products of
3 dodecane at low (a) and high (b) NO condition, cyclododecane at low (c) and high (d)
4 NO condition, and hexylcyclohexane at low (e) and high (f) NO condition and
5 isoprene (g), α -pinene (h), limonene (i), and glyoxal and methylglyoxal (j). The open
6 and solid markers, color-coded with molar mass (g mol^{-1}), correspond to the gas- and
7 particle-phase products, respectively. With a linear regression analysis, the correlation
8 between both quantities has been evaluated (dotted lines) with coefficients of
9 determination (R^2), including prediction intervals at the 95 % confidence level
10 (dashed lines).



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17 **Figure S2.** Summary of O:C ratio vs. C_0 for dodecane, cyclododecane,
18 hexylcyclohexane, α -pinene, limonene, isoprene, and glyoxal. The open and solid
19 markers, color-coded with molar mass (g mol^{-1}), correspond to the gas- and particle-
20 phase products, respectively.

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