

1 Auxiliary Material for  
2 Suppression in Droplet Growth Kinetics by the Addition of Organics to Sulfate Particles

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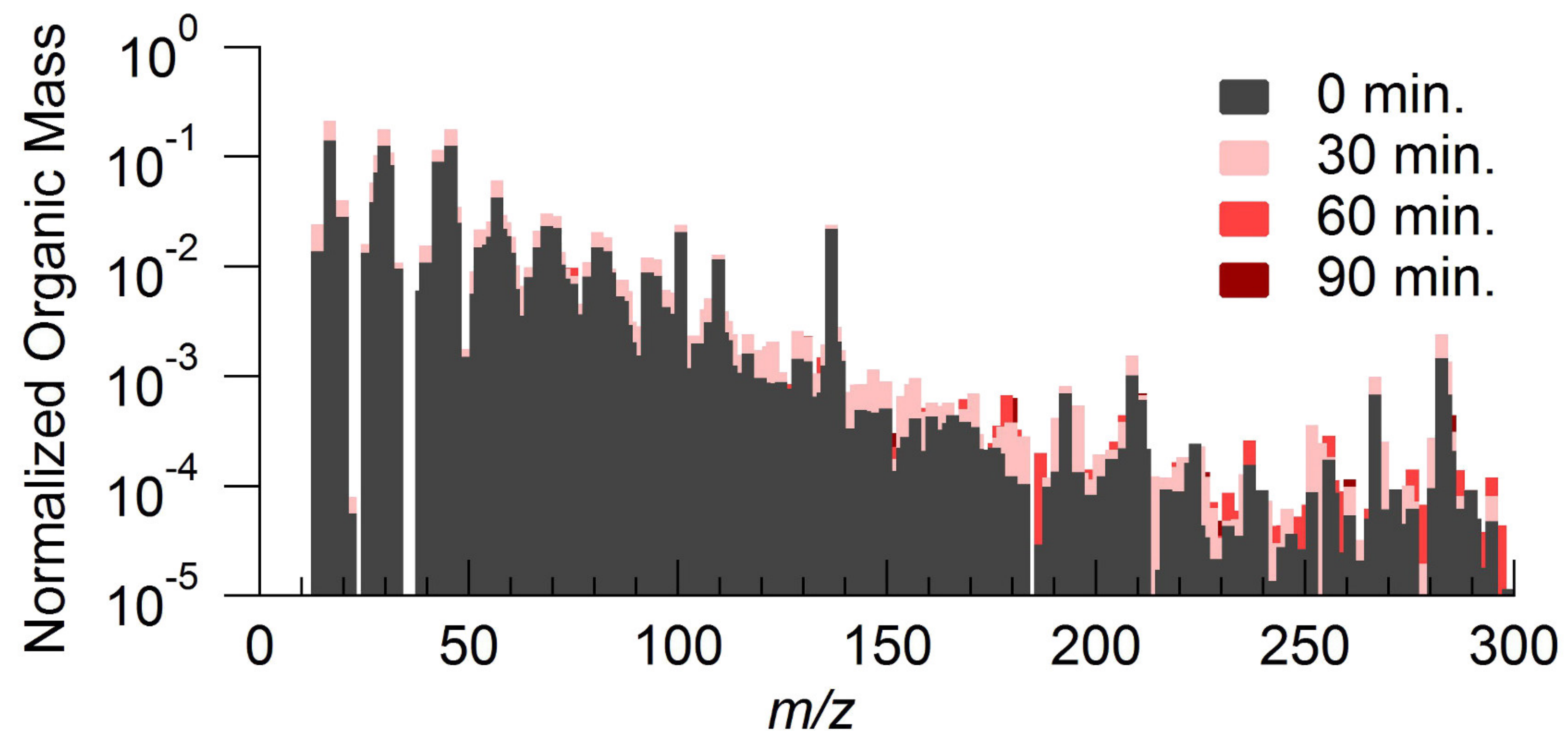
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19 Introduction

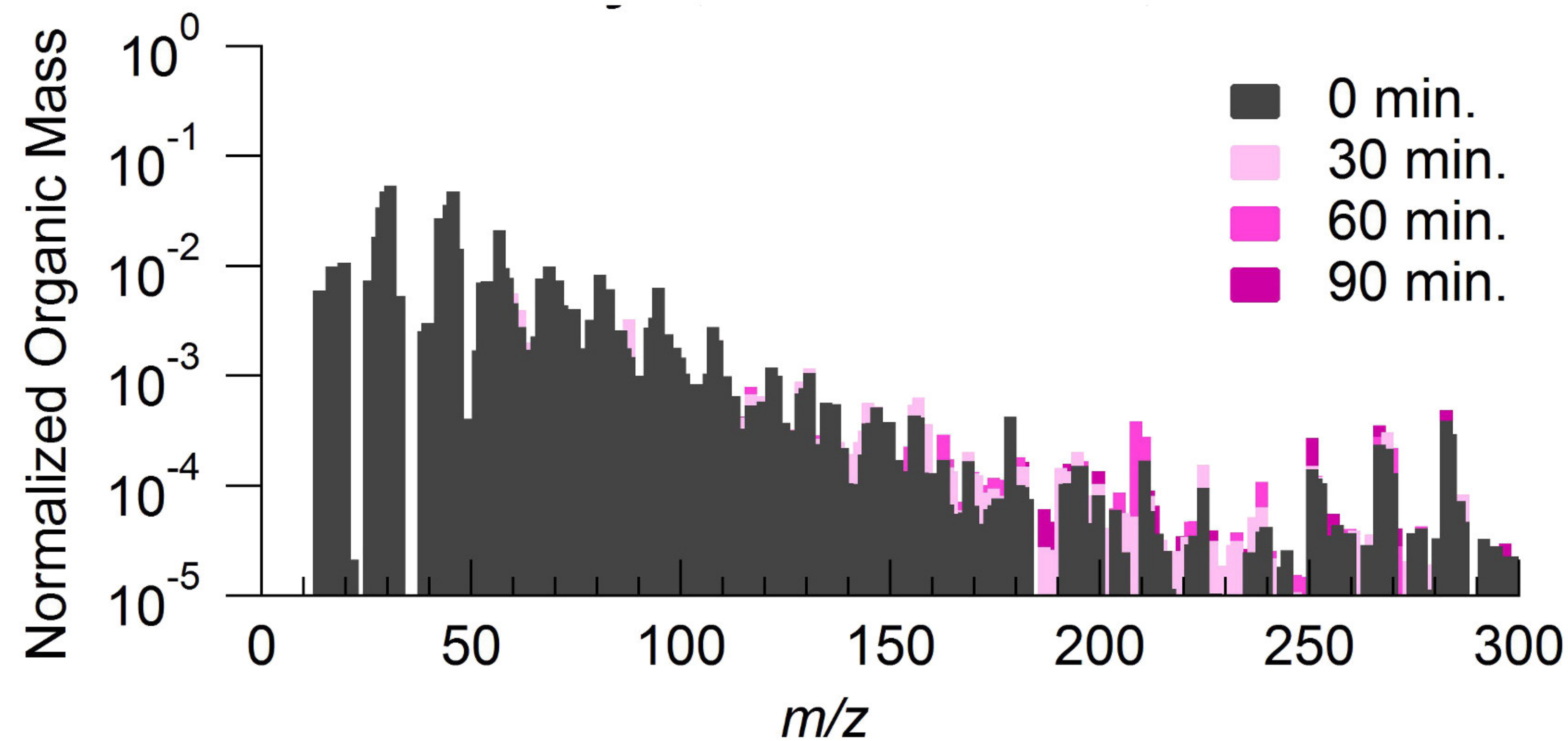
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21 Auxiliary material for this article contains two figures that are referred in the paper. Figure S1  
22 shows the AMS mass spectra of the organic components from the carbonyl experiments. Figure  
23 S2 shows the AMS mass spectra of the organic component from the diesel engine exhaust  
24 experiments.

- 25  
26 1. 2014jd021689-fs01.jpeg  
27 Figure S1. Mass spectra of the organic component measured by the AMS for carbonyls  
28 condensed onto sulfuric acid seed particles at RH 11% (red) and 40% (pink).  
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31 2. 2014jd021689-fs02.jpeg  
32 Figure S2. Mass spectra of the organic component measured by the AMS for engine  
33 exhaust condensed on acidic sulfate particles with  $\text{NH}_4^+:\text{SO}_4^{2-}$  ratio of 1:4 (red) and 2:5  
34 (green).  
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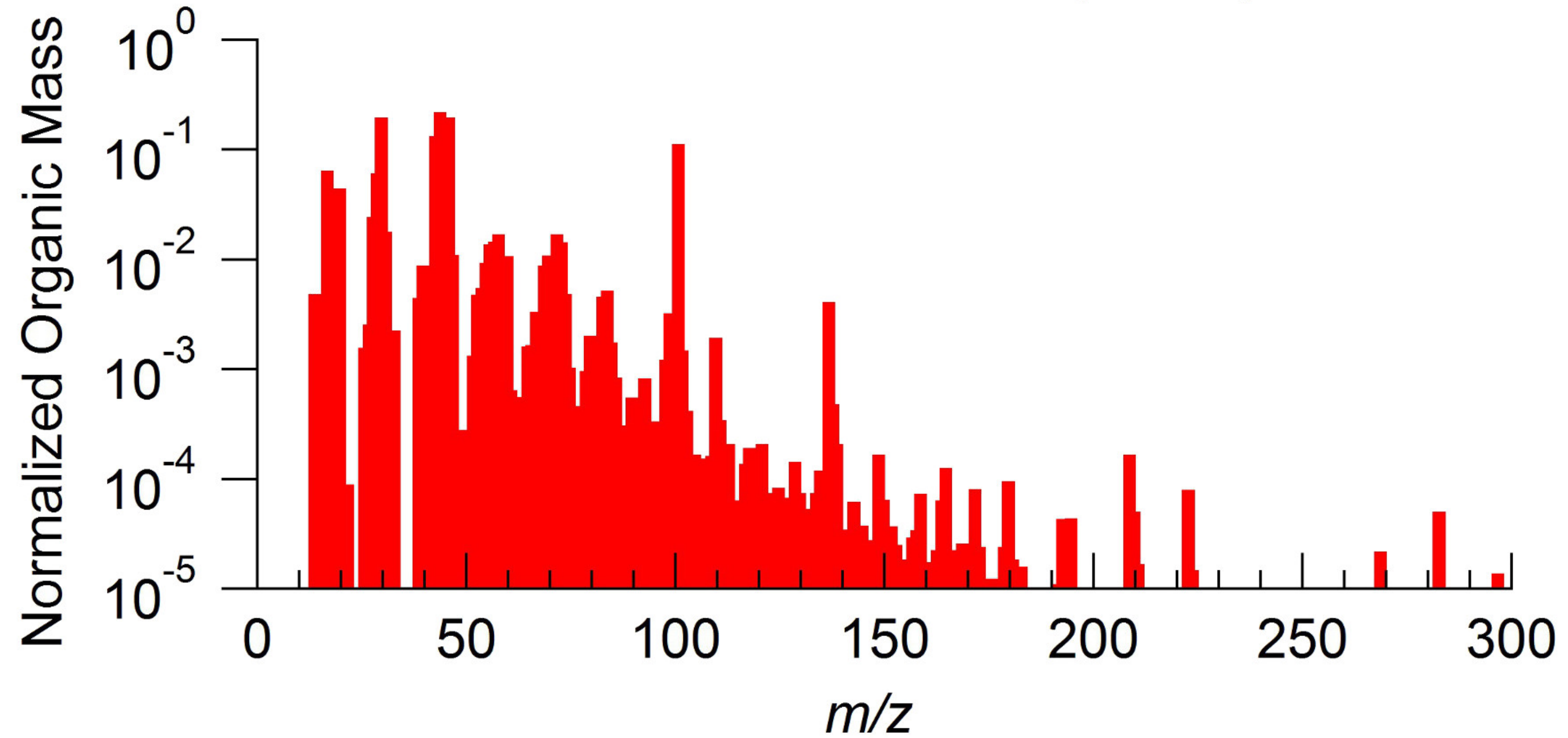
### Carbonyls, Sulfuric Acid, RH 11%



### Carbonyls, Sulfuric Acid, RH 40%



**Engine Exhaust**  
**Acidic Sulfate (1:4  $\text{NH}_4^+:\text{SO}_4^{2-}$ )**



**Engine Exhaust**  
**Acidic Sulfate (2:5  $\text{NH}_4^+:\text{SO}_4^{2-}$ )**

