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## **On the simultaneous deployment of two single-particle mass spectrometers at an urban background and a roadside site during SAPUSS**

**Manuel Dall'Osto et al.**

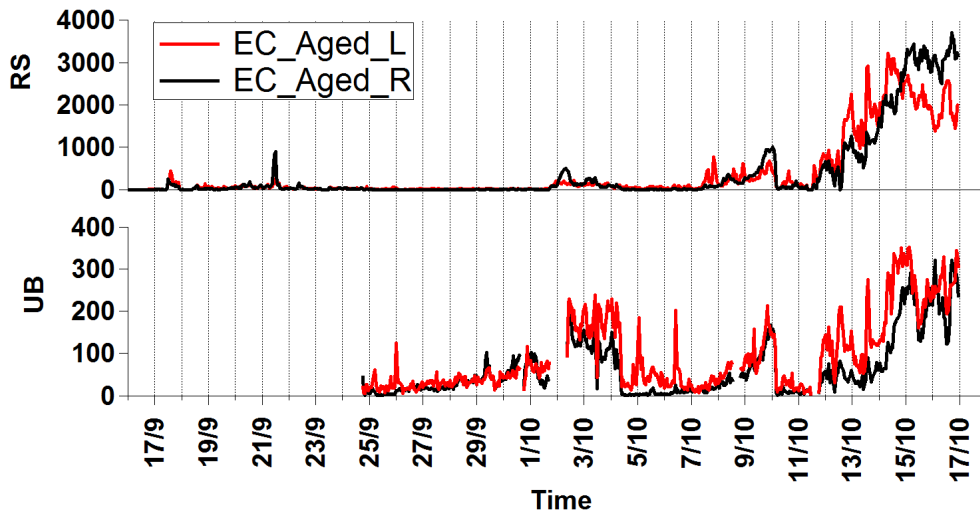
*Correspondence to:* Manuel Dall'Osto (dallosto@icm.csic.es)

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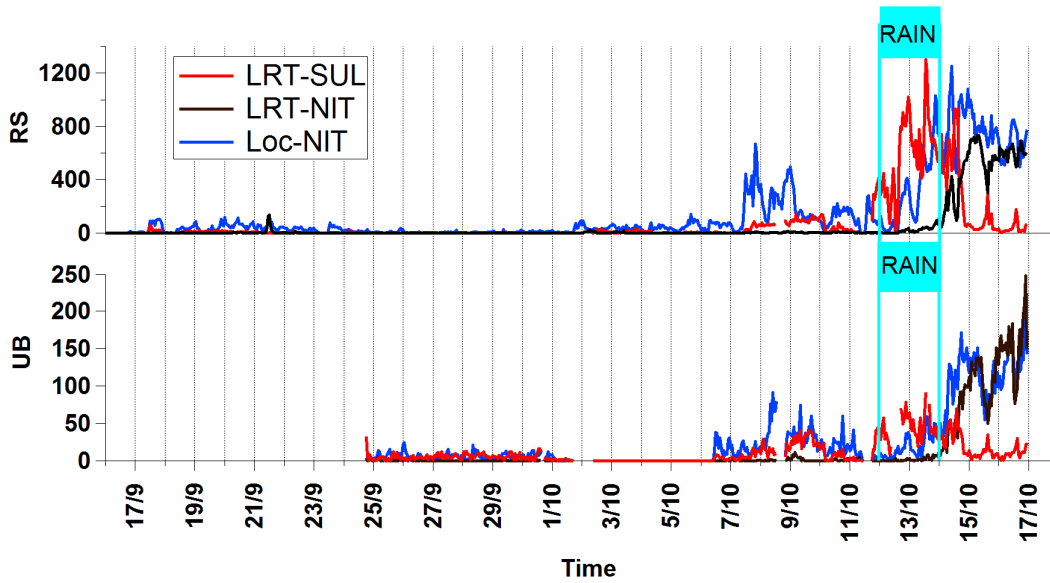
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4

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(a)



6

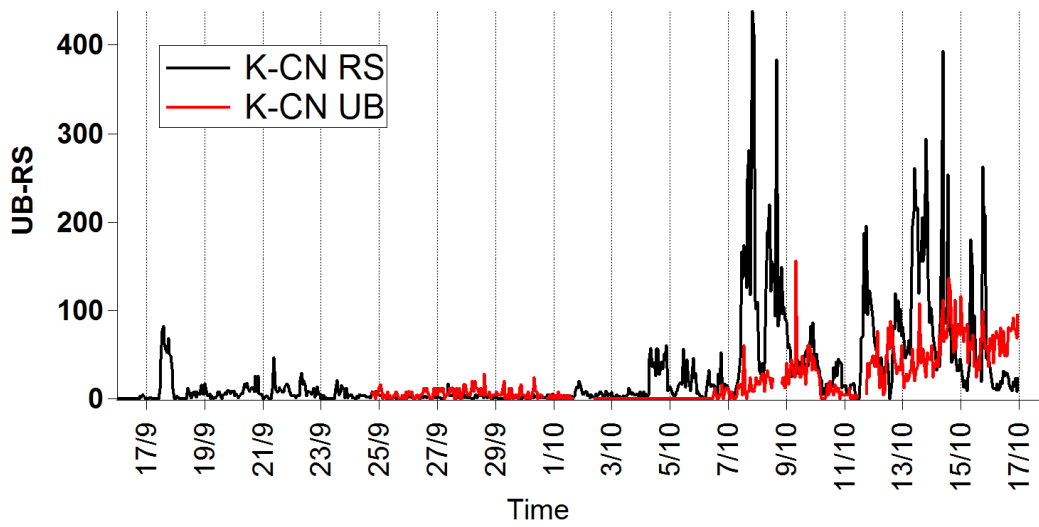
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(b)

1

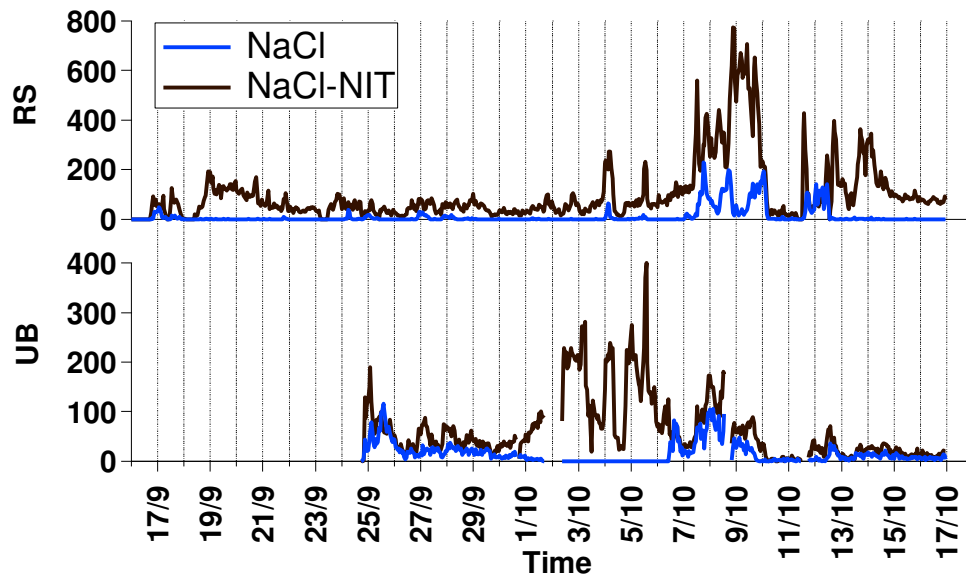
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(c)



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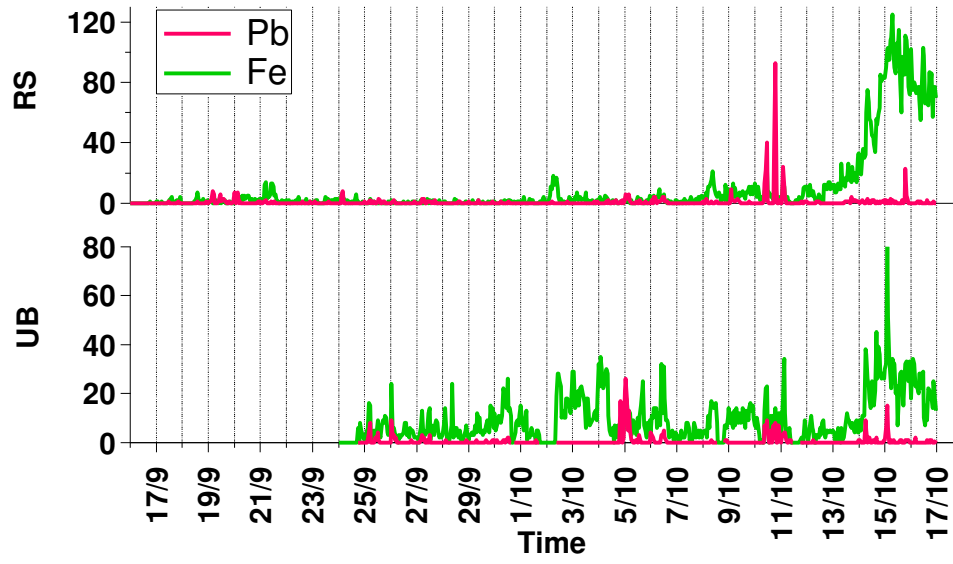
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(d)

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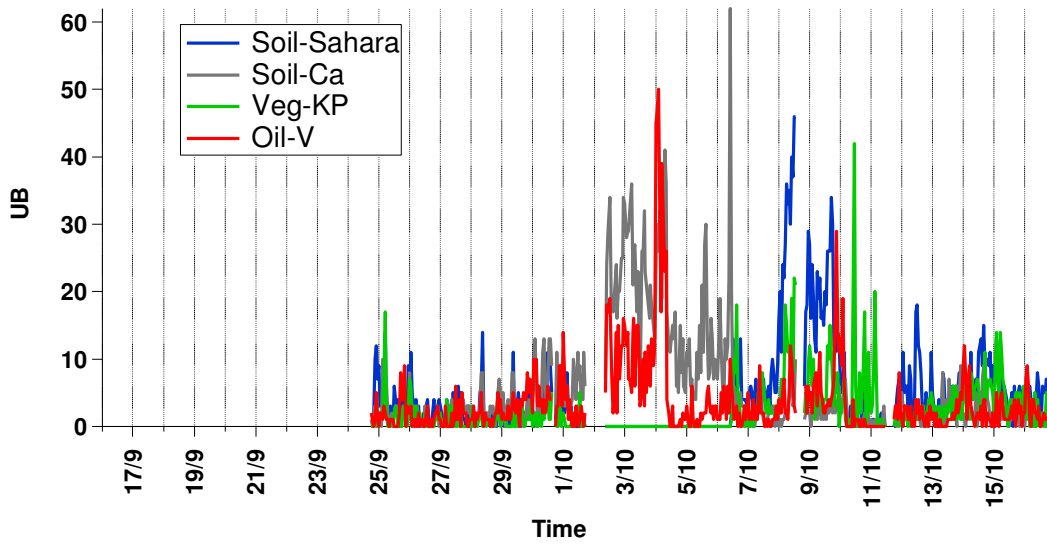


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(e)

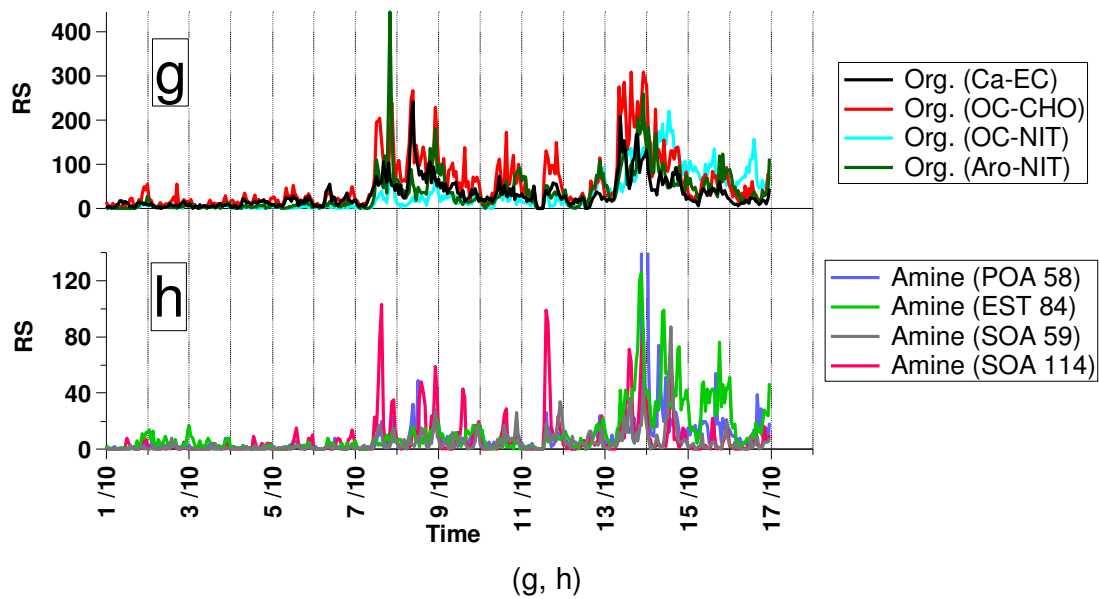


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(f)



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5 Figure SI 1. Temporal trends of ATOFMS particle types

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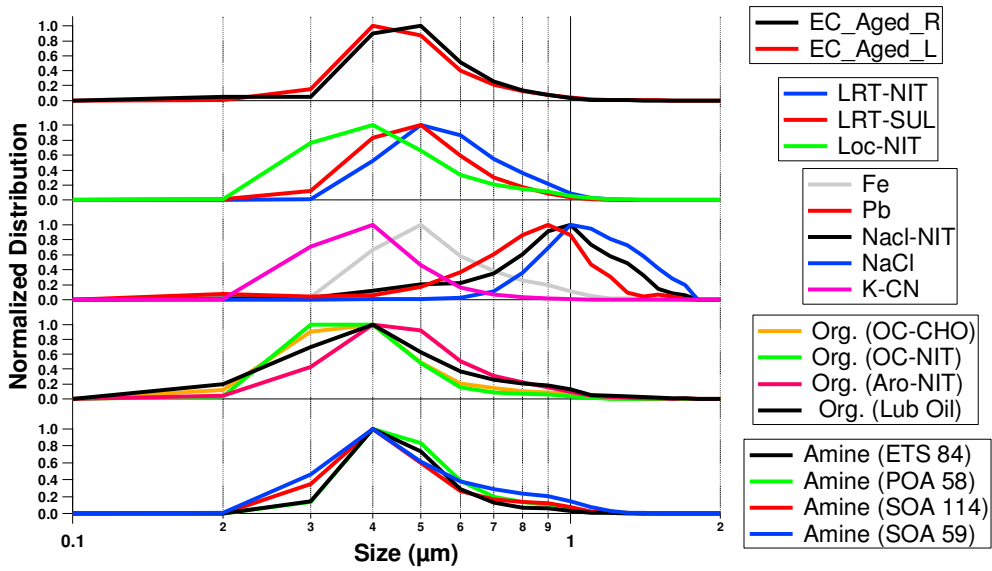
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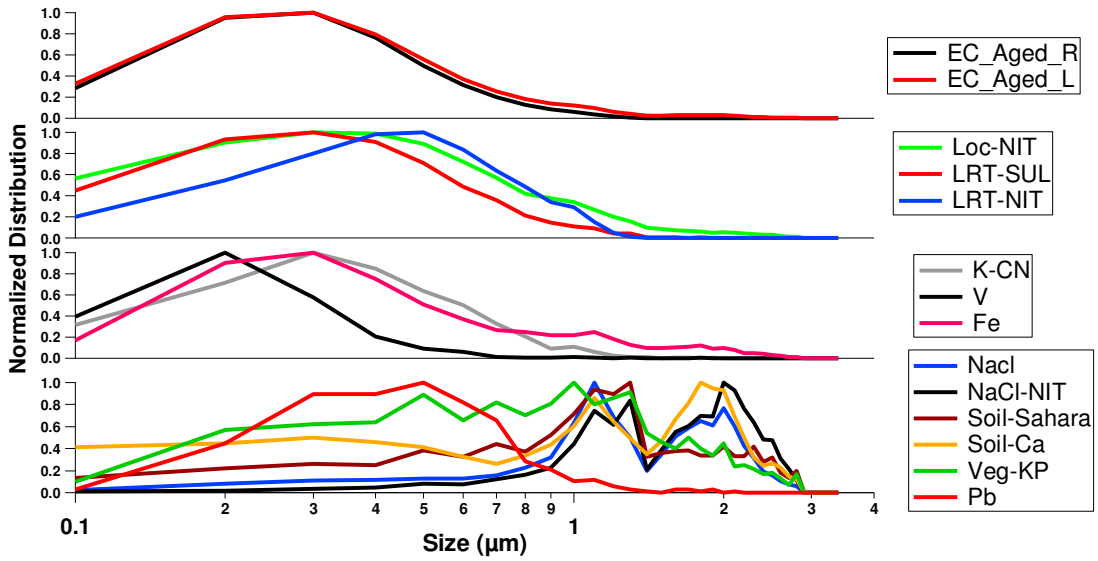
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(a)



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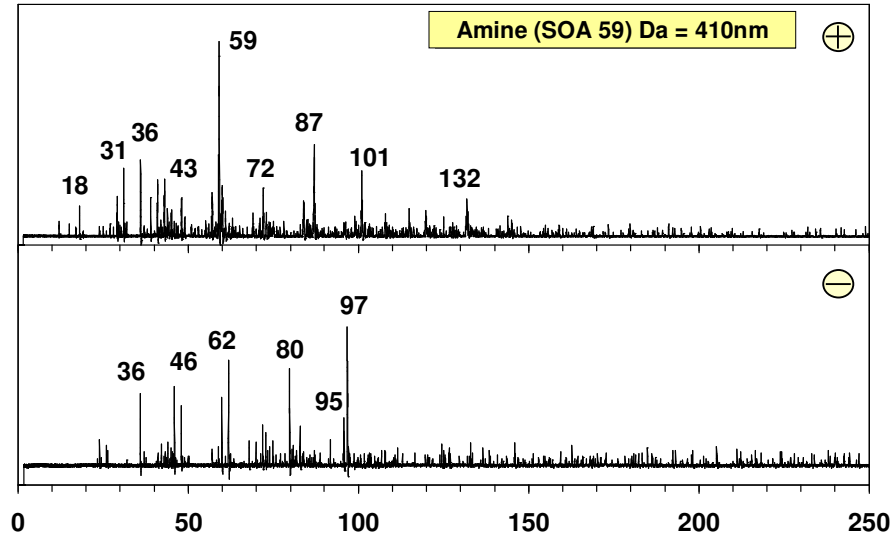
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(b)

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7 SI 2. Aerodynamic size ATOFMS modes for ATOFMS at RS (a) and UB (b)

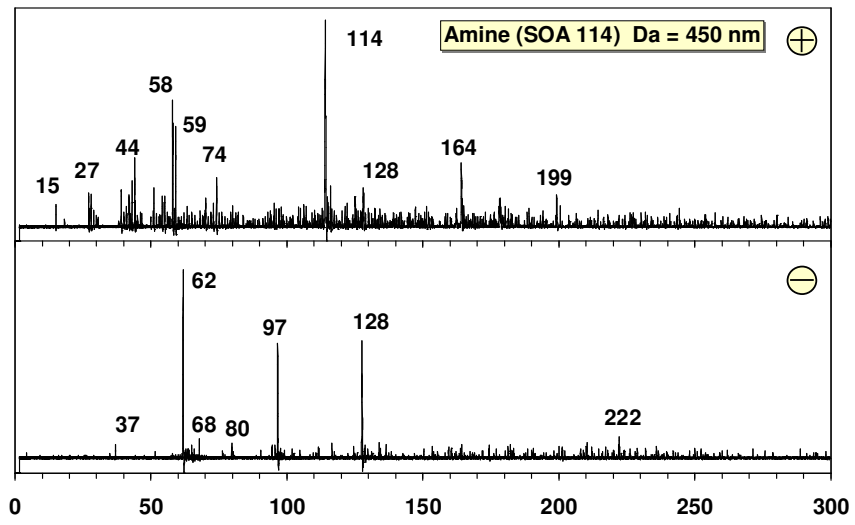
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2 (a) Amine (SOA 59)

3



4

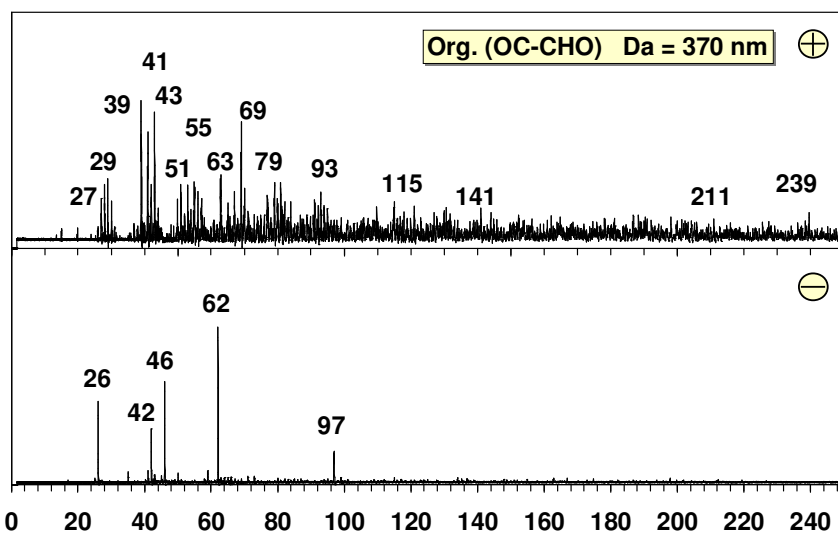
5 (b) Amine (SOA 114)

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7

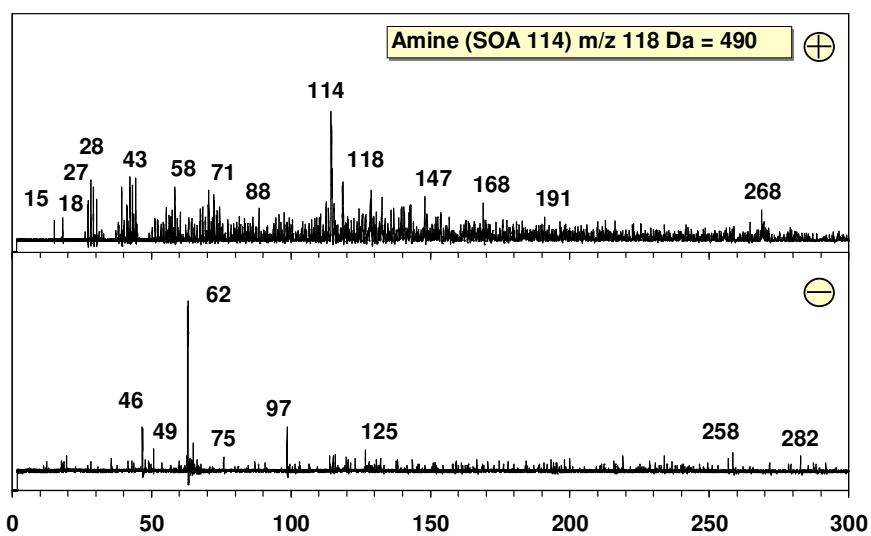


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2

3 (c) Org. (OC-CHO)



4

5 (d) Amine (SOA 114) with  $m/z 118$

6

7 SI 3 a-d: Single particle mass spectra of selected ATOFMS particle types

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