AMS Organic Analysis Toolkit v 1.0, Qi Zhang (1), 21 August 2005
===
http://spot.colorado.edu/~qzhang
Email: zhangq@cires.colorado.edu

For use with Wavemetrics Igor Pro version 5.0 or above.

The algorithms used in this software were developed through joint effort from Jose-Luis Jimenez (2) and me. This software is 'open source'
but if you use its results for presentations or publications etc, I'd ask you acknowledge both of us and cite our EST and/or ACP papers.

Many thanks to Douglas Worsnop (3), Rami Alfarra (4), Manjula Canagaratna (3), James Allan (5), and Hugh Coe (5) for valuable inputs.
Special thanks to Edward Dunlea (1) for helping me in making the panel of this software, and to Katja Dzpina (2) for testing the codes.
I also want to thank John Jayne (3) for contribution to the Pittsburgh study, from which we acquired the dataset used for developing the method, Ann Middlebrook (6), Frank Drewnick (7), Tim Onarsch (3), the rest of the Jimenez group at CU, and the wider AMS user's community for dicussions and feedback.

For detailed information on the method and mathematics, I suggest you read my EST paper referenced below.
For the application of the method and detailed discussions on HOA and OOA in an urban area, I suggest you read my ACPD paper.
Papers by Jayne, Jimenez, Allan, and Alfarra listed below are also strongly recommended for a better understanding of the princinples, instrumentation, and data analysis approach pertain to AMS

Any questions or comments, feel free to email me at zhangq@cires.colorado.edu.

Affliations:
(1) CIRES & (2) Dept. of Chemistry, University of Colorado, UCB 216, Boulder, CO 80309-0216, USA
(3) Aerodyne Research Incorporated, 45 Manning Road, Billerica, MA 01821-3976, USA
(4) Paul Scherrer Institute, 5232 Villigen PSI, Switzerland
(5) SEAES, Sackville St Building, University of Manchester, Manchester M60 1QD, UK
(6) NOAA Aeronomy Laboratory, 325 Broadway, R/AL7, Boulder, CO 80305-3328, USA
(7) Dept. of Cloud Physics and Chemistry, Max Planck Institute for Chemistry, Joh.-Joachim-Becher-Weg 27, 55128 Mainz, Germany

References (available at http://cires.colorado.edu/jimenez/ams.html#Papers):
Zhang, et al. (2005) Environmental Science & Technology, 39 (13), 4938-4952, doi:10.1021/es048568l.
Zhang, et al. (2005) Atmospheric Chemistry and Physics Discussions (in press).
Jayne et al. (2000) Aerosol Science and Technology 33(1-2): 49-70
Jimenez et al. (2003) Journal of Geophysical Research 108 (D7) 8425 doi:10.1029/2001JD001213
Allan et al. (2003) Journal of Geophysical Research 108(D3): 4090 doi:10.1029/2002JD002358
Allan, et al. (2004) Journal of Aerosol Science, 35 (7), 909-922, doi: 10.1016/j.jaerosci.2004.02.007.
Alfarra et al. (2004) Atmospheric Environment, 38, 5745–5758.