Table R1.1. Percentage of m/z 55 attributed by each OA source in each site.

%	HOA	BBOA	LO-OOA	MO-OOA	COA	58-OA	SHINDOA	WCOA/PCOA/CCOA
BCN-PR	35	17	7	4	**38**	-	-	-
CAO-AMX	**64**	17	12	7	-	-	-	-
DUB	20	-	5	13	-	-	-	15/**26**/20
ATOLL	**54**	23	15	9	-	-	-	-
MGD	**50**	19	18	11	-	2	-	-
INO	**53**	27	13	7	-	-	-	-
MRS-LCP	29	10	13	7	**30**	-	11	-
SIR	**67**	4	9	20	-	-	-	-
TAR	**51**	22	10	16	-	-	-	-

Table R.21.2. Percentage of m/z 55 attributed by each OA source for the synthetic dataset profiles.

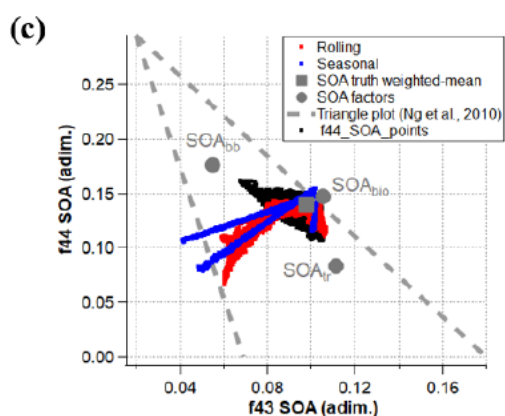| HOA	BBOA	SOA$_{bb}$	SOA$_{bio}$	SOA$_{tr}$
24	25	15	18	18

(c)

Figure R1.1. Triangle plot of f44 vs. f43; for rolling PMF (red), seasonal PMF (blue) and truth (black).