Simulation set	Compounds	Vapor concentrations (cm^{-3})	Conditions
1	SA–DMA ORG, $p_{sat} = 10^{-12} \dots 10^{-6}$ Pa	$C_{SA} = 10^6$ $C_{ORG} = 10^4 \dots 10^{10}$	constant C_{SA} and C_{ORG}, chamber experiment losses (Eq. 4)
2	SA–DMA LVOC or ELVOC	$C_{SA} = 10^7$ $C_{ORG} = 10^7 \dots 10^{10}$	constant C_{SA} and C_{ORG}, chamber experiment losses (Eq. 4)
3	SA–NH_3 LVOC	$C_{SA} = 10^6$ $C_{ORG} = 10^6 \dots 10^9$	constant C_{SA} and C_{ORG}, chamber experiment losses (Eq. 4)
4	SA–DMA $LVOC_{large}$	$C_{SA} = 10^6$ $C_{ORG} = 10^6 \dots 10^9$	constant C_{SA} and C_{ORG}, chamber experiment losses (Eq. 4)
5	SA–DMA LVOC	$C_{SA, max} = 10^6$ $C_{ORG, max} = 5 \times 10^6, 10^7$	varying C_{SA} and C_{ORG}, background particle losses (Eq. 5)