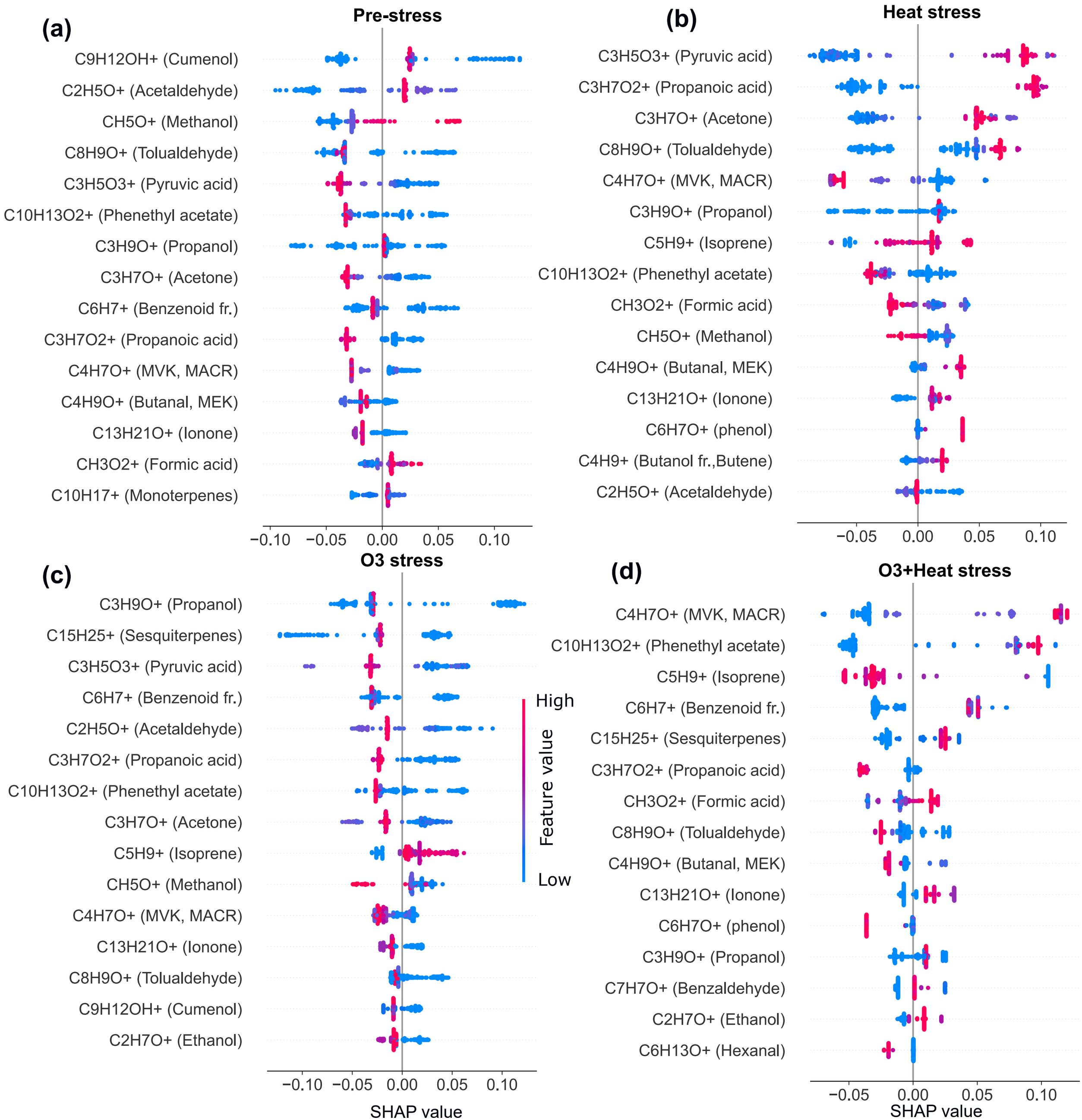
(a)
Pre-stress
C9H12OH+ (Cumenol)
C2H5O+ (Acetaldehyde)
CH5O+ (Methanol)
C8H9O+ (Tolualdehyde)
C3H5O3+ (Pyruvic acid)
C10H13O2+ (Phenethyl acetate)
C3H9O+ (Propanol)
C3H7O+ (Acetone)
C6H7+ (Benzenoid fr.)
C3H7O2+ (Propanoic acid)
C4H7O+ (MVK, MACR)
C4H9O+ (Butanal, MEK)
C13H21O+ (Ionone)
CH3O2+ (Formic acid)
C10H17+ (Monoterpenes)
−0.10 −0.05 0.00 0.05 0.10
(b)
Heat stress
C3H5O3+ (Pyruvic acid)
C3H7O2+ (Propanoic acid)
C3H7O+ (Acetone)
C8H9O+ (Tolualdehyde)
C4H7O+ (MVK, MACR)
C3H9O+ (Propanol)
C5H9+ (Isoprene)
C10H13O2+ (Phenethyl acetate)
CH3O2+ (Formic acid)
CH5O+ (Methanol)
C4H9O+ (Butanal, MEK)
C13H21O+ (Ionone)
C6H7O+ (phenol)
C4H9+ (Butanol fr.,Butene)
C2H5O+ (Acetaldehyde)
−0.05 0.00 0.05 0.10
(c)
O3 stress
C3H9O+ (Propanol)
C15H25+ (Sesquiterpenes)
C3H5O3+ (Pyruvic acid)
C6H7+ (Benzenoid fr.)
C2H5O+ (Acetaldehyde)
C3H7O2+ (Propanoic acid)
C10H13O2+ (Phenethyl acetate)
C3H7O+ (Acetone)
C5H9+ (Isoprene)
CH5O+ (Methanol)
C4H7O+ (MVK, MACR)
C13H21O+ (Ionone)
C8H9O+ (Tolualdehyde)
C9H12OH+ (Cumenol)
C2H7O+ (Ethanol)
−0.10 −0.05 0.00 0.05 0.10
SHAP value
High
Feature value
Low
(d)
O3+Heat stress
C4H7O+ (MVK, MACR)
C10H13O2+ (Phenethyl acetate)
C5H9+ (Isoprene)
C6H7+ (Benzenoid fr.)
C15H25+ (Sesquiterpenes)
C3H7O2+ (Propanoic acid)
CH3O2+ (Formic acid)
C8H9O+ (Tolualdehyde)
C4H9O+ (Butanal, MEK)
C13H21O+ (Ionone)
C6H7O+ (phenol)
C3H9O+ (Propanol)
C7H7O+ (Benzaldehyde)
C2H7O+ (Ethanol)
C6H13O+ (Hexanal)
−0.05 0.00 0.05 0.10
SHAP value