

# Supplementary Materials: Analysis of the Aerosol Generated from Tetrahydrocannabinol, Vitamin E Acetate, and Their Mixtures

Vladimir B. Mikheev and Alexander Ivanov

**Table S1.** Acquisition parameters for non-targeted chemical analysis by two-dimensional gas-chromatography–time-of-flight mass-spectrometry (GC × GC-TOFMS).

GC×GC-TOFMS system	LECO Pegasus 4D
GC 1st-dimension column	100% dimethylpolysiloxane, 30 m, 0.25 mm i.d., 1 µm d <sub>f</sub>
GC 2nd-dimension column	50% phenyl polysilphenylene-siloxane 1 m, 0.1 mm i.d., 0.1 µm d <sub>f</sub>
GC carrier gas	Helium
GC carrier gas flow rate	Constant flow, 1.3 mL/min
GC inlet temperature	250 °C
GC injection volume	1 µL splitless
GC 1st-dimension column oven program	45 °C (1.5 min hold) 45 °C–100 °C @ 20 °C/min 100 °C–270 °C @ 3 °C/min; hold 1 min 270 °C–320 °C @ 20 °C/min; hold 26 min
GC 2nd-dimension column oven program	80 °C (1.5 min hold) 80 °C–275 °C @ 3 °C/min 275 °C – 330 °C @ 20 °C/min; hold 21 min
GC modulator temperature off-set from first oven	+20 °C
GC modulation time	3 seconds
Transfer line temperature	290 °C
MS source temperature	200 °C
MS detector voltage	Tune voltage + 200 V
MS acquisition masses	35–600 amu
MS data acquisition rate	100 spectra per second
MS resolving power	Unit mass resolution