

Ct



Menthol



MV-HCl



— 2 cm

Fig. S1

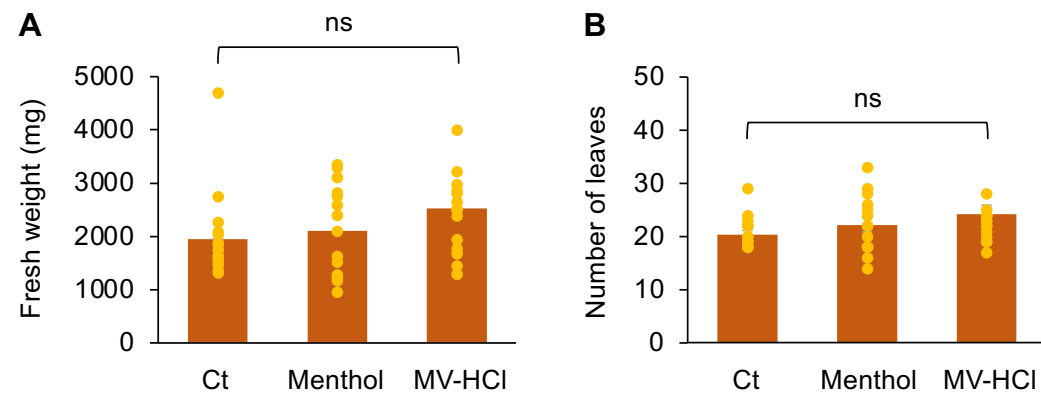


Fig. S2

**Figure S1.** Typical photographs of leaves from field-grown tomato plants treated with a menthol solution (1  $\mu$ M), an MV-HCl solution (1  $\mu$ M), or a control (Ct) solvent consisting of MES buffer alone. See Figure 5 for details.

**Figure S2.** Effect of menthol and MV-HCl on plant growth. Potted tomato plants were treated for 3 weeks, receiving either REO or control (Ct) solvent every 3 days. The fresh weight of the above-ground parts of the plants (A) and the number of leaves (B) were recorded. The individual data points are shown with the means and standard errors ( $n = 16$ ), and no significant differences were observed when compared to the control, as confirmed by ANOVA with Holm's sequential Bonferroni post hoc test (ns,  $P \geq 0.05$ ).

**Table S1.** Composition and relative levels of terpenoids emitted by tomato plants.

		Ct plants		50 <i>T. urticae</i> plant		100 <i>T. urticae</i> plant		MV-HCl plant		MV-HCl + 50 <i>T. urticae</i> plant	
		mean	SE	mean	SE	mean	SE	mean	SE	mean	SE
Monoterpenoid	$\alpha$ -Pinene	0.094	0.026	0.115	0.014	0.128	0.018	0.130	0.039	0.290	0.077
	$\beta$ -Pinene	0.036	0.012	0.051	0.010	0.055	0.010	0.047	0.014	0.130	0.036
	Sylvestrene	0.034	0.010	0.039	0.010	0.098	0.015	0.037	0.007	0.118	0.024
	$\gamma$ -Terpinene	0.002	0.002	0.004	0.002	0.007	0.002	0.005	0.003	0.016	0.007
	$\alpha$ -Pinocarvone	0.001	0.001	0.002	0.002	0	0	0.002	0.001	0.010	0.010
	$\gamma$ -Terpineol	0.039	0.016	0.021	0.005	0.017	0.003	0.010	0.002	0.022	0.008
Sesquiterpenoid	$\beta$ -Cubebene	0.001	0.001	0.002	0.002	0	0	0.003	0.002	0.003	0.002
	$\beta$ -Elemene	0.002	0.002	0	0	0	0	0.004	0.002	0	0
	Unknown sesquiterpene 1	0	0	0	0	0	0	0.002	0.001	0	0
	$\alpha$ -Cedrene	0	0	0.001	0.001	0	0	0.001	0.001	0	0
	$\beta$ -Caryophyllene	0.021	0.006	0.022	0.005	0.041	0.004	0.019	0.004	0.039	0.005
	Humulene	0.001	0.001	0.004	0.002	0.005	0.002	0.004	0.001	0.008	0.001
	Unknown sesquiterpene 2	0.004	0.002	0.008	0.005	0.008	0.002	0.006	0.003	0.008	0.004
	$\alpha$ -Curcumene	0.001	0.001	0.002	0.002	0	0	0.002	0.002	0	0
	Unknown sesquiterpene 3	0	0	0.009	0.003	0.001	0.001	0.004	0.002	0	0
	$\alpha$ -Muurolene	0.010	0.005	0.003	0.002	0.002	0.002	0.006	0.004	0.005	0.003
	Cubebol	0.017	0.009	0.006	0.003	0.004	0.002	0.012	0.006	0.013	0.005
	$\delta$ -Cadinene / <i>cis</i> -Calamenene	0.030	0.012	0.021	0.007	0.020	0.002	0.022	0.009	0.021	0.006
	Elemol	0.005	0.005	0.007	0.003	0	0	0.007	0.005	0.014	0.005
Homoterpenoid	TMTT	0.001	0.001	0.003	0.002	0.002	0.002	0.001	0.001	0.002	0.001

The values shown are relative to the internal standard per gram of fresh weight per hour. Refer to the legend in Figure 4 for more information. SE, standard error; TMTT, (*E,E*)-4,8,12-trimethyltrideca-1,3,7,11-tetraene

**Table S2.** Primers used for qPCR.

Plants	Gene (accession number)	Forward primer sequence (5' to 3')	Reverse primer sequence (5' to 3')
<i>Solanum lycopersicum</i> L.	<i>PR1</i> (NM_001247429.2)	CCGTGCAATTGTGGGTGTC	GAGTTGCGCCAGACTACTTGAGT
	<i>proteinase inhibitor</i> (NM_001247732.1 )	CTTGGGTTCGGGATATGC	CATTACAGGGTACATATTTGCC
	<i>actin</i> (NM_001330119.1 )	GAAATAGCATAAGATGGCAGACG	ATACCCACCATCACACCAGTAT
<i>Lactuca sativa</i> L.	<i>PR1</i> (XM023890921.1)	ACACCCAAGAAGCCACTCAC	TCTCTCCATAAGGCCCATG
	<i>proteinase inhibitor</i> (XM_023914736.3)	AGGTAAAACATCATGGCCGGA	CGGGTATTGCCGTTCTTCTA
	<i>actin</i> (XM023885399.1)	AGCAACTGGGATGACATGGA	GGGTTGAGAGGTGCCTCAGT