Table S1. Induced changes in volatile emission

Plant volatiles were collected 1 - 13 h, 13 - 25 h and 25 - 37 h after having wounded one leaf with a fabric pattern wheel and treating it with either *Manduca sexta*'s oral secretions (W+OS), OS purified by ion-exchange chromatography (W+IOS), a buffer at the same pH as *M. sexta*'s OS (W+B), synthetic fatty acid amino acid conjugates (W+FACs) or with 2-hydroxyoctadecatrienoic acid (W+2-HOT). The results of six types of statistical comparisons (ANOVA on normalized log-transformed peak intensities, n = 6 biological replicates *per* treatment) are presented: A, the W+OS response, W+OS vs control (CTRL) samples to detect total changes elicited by the W+OS treatment; B, the W+B response, W+B vs CTRL and C, the OS response, W+OS vs W+B, to evaluate the relative contributions of the W and OS responses to those changes; D, the IOS response, W+IOS vs W+B; E, the FAC response, W+FACs vs W+B and F, the 2-HOT response, W+2-HOT vs W+B. Leaf volatiles detected significantly up (grey cells) or down-regulated (black cells) for at least one statistical comparison are listed by chemical classes, with their *P* values and their retention times (RT, s) on the first and second dimensions. Numbers indicate the type of identification (Id.): 1, comparison with standards; 2, putative identification. Retention indices (RI) were calculated according to Kováts (1958) and compared to literature (lit.) reports: [a](Ruther, 2000), [b](Adams, 2004), [c](Engel *et al.*, 2002), [d](Triqui and Reineccius, 1995)[e](Guth and Grosch, 1991), [f](Jirovetz *et al.*, 2002).

Class	Compound	Id.	RT (s)			RI	1: 1 - 13 h						2: 13 - 25 h						3: 25 - 37 h					
							A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
			RT1	RT2	Calc.	Lit.	W+OS	W+B	OS	IOS	FACs	2-HOT	W+OS	W+B	OS	IOS	FACs	2-HOT	W+OS	W+B	OS	IOS	FACs	2-HOT
Acid	Pentanoic acid, 3-methyl-	2	450	2.49	963	-	0.015		0.043										0.004	0.0039				
	2-pentanol, 4-methyl	2	216	2.02	837	-	-	0.011	0.008		0.013													
	2-pentanol, 3-methyl	2	228	2.17	845	-	-	0.02	0.017		0.021													
Alcohol	*cis*-3-Hexenol	1	246	2.57	858	849a	-	0.021	0.004	0.048	0.016													
	1-Hexanol	1	270	2.56	872	876a	-	0.015	0.027		0.02													
	Heptanal	2	336	2.99	907	903cd	-												0.005	0.011				
Aldehyde	Octanal	2	552	2.73	1004	1006ce	0.011		0.012															
	Unknown	-	636	4.82	1049	-	-												0.001	0.004				
	Unknown	-	822	2.81	1145	-	0.007	0.023							0.035		0.025							
Aromatic	Unknown	-	858	4.03	1166	-	-							0.041	0.003									
	Inden-2-one, octahydro	-	954	4.13	1215	-	0.032		0.012															
	Benzothiazole	-	960	5.51	1219	1221f	-								0.037		0.047							
	cis-3-hexenylacetate	1	570	2.84	1014	1008a	0.021	0.034																
	cis-3-Hexenylpropionate	1	750	2.73	1104	1100a	0.001	0.012	0.005				0.001	0.005										
	cis-3-Hexenylisobutyrate	1	834	2.51	1151	1147b	0.002	0.031					0.003	0.023					0.009		0.012			
	Hexylisobutyrate	1	840	2.32	1154	1152b	0.003	0.023																
	cis-3-hexenyl, *trans*-2-butenoic ester	2	882	2.71	1176	-	0.001	0.041	0.023				0.011	0.037										
Hexenylester	*cis*-3-Hexenylbutyrate	1	912	2.56	1191	1187a	0	0.042												0.031		0.041	0.048	0.047
	trans-2-hexenylbutyrate	1	924	2.65	1197	1198a	0.002	0.021																
	cis-3-Hexenyl-2-methylbutyrate	1	984	2.51	1234	1231a	0.002	0.048						0.023	0.024	0.044	0.047							
	cis-3-hexenyl-3-methylbutyrate	1	996	2.51	1241	1245b	0.003		0.012	0.047														
	cis-3-Hexenyltigilate	1	1140	2.85	1328	1322a	0	0.04	0.038					0.034	0.021	0.032	0.036							
	cis-3-Hexenylmethylpentanoate	2	1170	2.51	1348	-	0.038		0.033					0.021	0.009	0.044	0.021								
Methylester	Pentanoic, 3-methyl-, methyl ester	2	300	2.8	888	-	0.007	0.044					0.034											
	α-Pinene	1	396	2.04	938	939b													0.044	0.042				
	β-pinene	2	474	2.29	973	979c	0.002		0.026															
	Limonene	1	600	2.29	1030	1029b															0.001			
	1,8-Cineole	1	600	2.66	1030	1031b							0.045											
	Unknown	-	714	2.71	1082	-	0.039		0.045		0.037								0.041		0.032		0.039	
Terpenoid	Unknown	-	720	2.34	1088	-	0.021		0.034		0.044		0.024											
	Terpineol	1	906	3.02	1188	1189b									0.027		0.004							
	Unknown	-	1176	3.27	1352	-	0.028		0.039		0.032		0.027		0.034		0.04		0.012		0.003		0.042	
	Unknown	-	1272	2.59	1380	-									0.037									
	trans-α-Bergamotene	1	1302	2.28	1435	1435b											0.021	0.039	0.002		0.005		0.006	0.007
	Unknown	-	1476	2.88	1541	-			0.027															

Supplemental Table I. Evaluation of injection, retention time and calibration precisions.

Injection and retention time precisions were evaluated by injecting 10 times 1 µL of a solution containing a mixture of volatile standards (*cis*-3-hexenal, *cis*-3-hexenol, *trans*-2-hexenal, *cis*-3-hexenylbutyrate, methyl salicylate and *trans*-caryophyllene) each at a concentration of 2ng/µL. Retention times calculated (in s) for the second dimension (column 2, C2) were stable througout the 10 runs and showed very low relative standard deviations (RSD). Calibration parameters and the limit of detection (LOD) and limit of quantification (LOQ) were calculated from double injections of standard mixes ranging from 20, 50, 100, 250 and 500 pg/µL.

Compound	C2 RSD %	Injection RSD %
cis-3-Hexenal	0.48	10.34
cis-3-Hexenol	0.14	8.15
trans-2-Hexenal	0.25	5.55
cis-3-Hexenylbutyrate	0.22	6.21
Methyl salicylate	0.24	3.61
trans-α-Caryophyllene	0.22	8.29
Tetralin (ISTD)	0.13	4.64

	Slope	Intercept	R^2	LOD pg/µL	LOQ pg/µL
cis-3-Hexenal	0.087	-0.423	0.999	5.54	21.85
cis-3-Hexenol	0.27	-3.265	0.9994	16.43	61.96
trans-2-Hexenal	0.206	-3.152	0.999	21.69	80.41
cis-3-Hexenylbutyrate	0.192	-0.199	0.9999	2.84	11.36
Methyl salicylate	0.04	-0.46	0.9999	4.97	19.65
trans-α-Caryophyllene	0.04	0.089	0.9998	9.01	34.99