

**Table S1.** The list of biogenic volatile organic compounds (BVOCs) emitted from the foliage of the four *Ficus* species under the four experimental treatments. Compounds that were not reliably identified (less than 70% identification probability) or lacked reference retention index (or calculated retention index mismatched with their reference values) are italicized. C = Control, LC = Leaf-cutting, BC = Branch-cutting and LBC = Leaf-branch-cutting.

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D-Limonene	99	11.325	1025	1018	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√
(+)-Camphor	98	15.01	1141	1144	√								√	√	√					
Camphor	98	15.158	1146	1141		√	√	√					√			√			√	
trans-β-Ocimene	97	11.774	1039	1044	√	√		√				√		√	√	√		√		√
(-)-Camphor	95	15.285	1150	1145			√						√	√	√					
β-Ocimene	95	12.011	1046	1044						√	√	√		√	√	√	√			√
β-cis-Ocimene	95	11.986	1046	1032	√	√	√	√	√	√		√		√	√		√	√	√	√
α-Pinene	95	8.207	976	932		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Camphene	94	8.7695	948	946	√	√								√						
α-Ocimene	94	12.005	1046	1044			√	√			√	√	√	√		√				√
β-Pinene	94	9.7025	976	974		√								√						
β-Myrcene	93	10.225	992	988				√						√						
Sabinene	91	9.523	971	969															√	
Linalool	90	13.632	1096	1095	√	√		√	√	√	√	√				√	√	√		√
α-Isophorone	90	14.28	1117	1118		√														
4'-Ethylacetophenone	89	18.49	1255	1281	√	√		√	√	√	√				√	√	√	√		√
3-Carene	86	12.277	1055	1008										√		√				
ψ-Cumene	87	9.392	967	1021	√	√									√	√		√		
Fenchone	81	13.27	1085	1083			√	√											√	
Pulegone	62	13.888	1104	1233				√											√	
β-Pericyclocamphanol	46	16.538	1191			√					√									
Sabine ketone	43	16.974	1206	1154				√												
cis-trans-Nepetalactone	43	16.531	1191	1393				√												
trans-Pinocamphone	38	19.059	1274	1159	√		√	√				√								√
<b>Homoterpenes</b>																				
(E)-4,8-Dimethylnona-1,3,7-triene (DMNT)	87	14.353	1089					√						√	√	√	√	√		√



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<i>10-Methylnonadecane</i>	62	18.66	1261				√	√			√	√					√	√	√
<i>Cyclohexane, 1-methyl-4-(1-methylbutyl)-</i>	62	16.238	1182								√	√							
<i>Decylcyclopentane</i>	62	20.698	1330									√						√	
<i>2-Methyl-7-pentylbicyclo[4.1.0]heptane</i>	60	17.529	1224				√	√				√							
<i>Phytane</i>	59	21.528	1360	1810.7											√		√	√	
<i>Tetracosane</i>	58	21.056	1343	2400														√	
<i>2,3,4-Trimethylhexane</i>	58	20.928	1338					√				√						√	
<i>5-Methylundecane</i>	55	15.34	1152	1156				√											
<i>1,54-Dibromotetrapentacontane</i>	53	24.576	1475															√	
<i>2-Butyl-1,1,3-trimethyl-cyclohexane</i>	53	17.66	1228				√					√							
<i>2-Methyltetracosane</i>	52	21.371	1354	2462.1								√						√	
<i>Ethylcyclododecane</i>	51	18.877	1268															√	
<i>Cyclohexane, (1,3-dimethylbutyl)-</i>	50	14.661	1130					√											
<i>9-Methylheptadecane</i>	49	15.789	1167					√				√							√
<i>4,8-Dimethylundecane</i>	49	18.352	1251		√		√	√				√			√		√	√	
<i>1,2-Dimethylpropyl-cyclohexane</i>	49	17.647	1228					√							√			√	
<i>2-Cyclohexylnonadecane</i>	49	14.673	1130				√												
<i>Undecane, 2,4-dimethyl-</i>	49	18.226	1247					√										√	
<i>Cyclotetradecane</i>	47	20.17	1311																√
<i>Cyclohexane, (1-methylbutyl)-</i>	46	14.661	1130				√											√	
<i>Tridecane, 7-methyl-</i>	46	19.795	1298	1351								√							

9-Methylbicyclo[3.3.1]nonane	44	16.538	1191									√							
Cyclohexane, 2,4-diisopropyl-1,1-dimethyl-	43	18.05	1241					√				√							
Bicyclo[2.2.1]heptane, 2-methoxy-1,7,7-trimethyl-	43	15.658	1163	1116.6			√												√
Isobutylcyclopentane	38	14.91	1138				√	√				√							
trans,trans-1,8-Dimethylspiro[4.5]decane	38	17.186	1213				√	√				√							
trans,trans-1,6-Dimethylspiro[4.5]decane	30	16.176	1180															√	
cis,trans-1,7-Dimethylspiro[5.5]undecane	30	18.934	1270					√				√						√	
1-Bromotetracosane	25	23.909	1449				√												
<b>Alkenes</b>																			
Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-	95	22.749	1403							√					√				
1,4,7,-Cycloundecatriene, 1,5,9,9-tetramethyl-, Z,Z,Z-	95	23.607	1437				√				√	√					√	√	
Mesitylene	94	10.172	990	994	√	√			√	√				√		√	√		
Benzene, 1,2,3-trimethyl-	94	10.184	991	1012	√					√					√		√		
Ethylbenzene	91	5.982	845	854	√	√			√	√				√	√	√	√		√
m-Xylene	90	6.175	854	876		√		√	√					√	√				
1,1,4,7-Tetramethyl-1a,2,3,4,6,7,7a,7b-octahydro-1H-cyclopropa[e]azulene	90	23.136	1419	1446.8			√												
Benzene, 1-ethyl-3-methyl-	87	9.373	966	954	√					√				√	√		√		

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<i>Decyl ether</i>	58	20.925	1338									√			√			√	
<i>Docosyl octyl ether</i>	58	13.713	1099				√	√											
<i>Eicosyl octyl ether</i>	58	18.163	1245					√				√							√
<i>Ethyl tetratriacontyl ether</i>	58	19.585	1291								√								
<i>Hexadecyl octyl ether</i>	52	19.802	1298		√			√										√	
<b>Ketones</b>																			
Cyclohexanone	70	6.948	890	895		√									√				
<i>[1,3]Diazepan-2,4-dione</i>	49	25.84	1518															√	
<i>(+)-Nopinone</i>	46	16.974	1206	1135			√	√										√	
<i>2,2-Dimethyl-5-(3-methyl-2-oxiranyl)cyclohexanone</i>	46	16.98	1206									√						√	
<i>Cyclopentanone, 3-methyl-2-(2-pentenyl)-</i>	30	16.17	1179									√							
<b>Others</b>																			
Butylated hydroxytoluene	98	25.104	1496	1511			√	√			√	√			√	√		√	√
1,3-Dimethylnaphthalene	97	23.145	1419	1424															
2,6-Dimethylnaphthalene	97	22.267	1386	1409		√													
β-Ethyldecalin	96	17.373	1219	1186			√	√				√						√	√
1,4-Dimethylnapthalene	96	22.645	1399	1431		√													
2,7-Dimethylnaphthalene	96	22.73	1403	1400															
<i>Ethyl 4-oxo-2-phenylpentanoate</i>	96	25.107	1496				√					√			√			√	√
2,6-Di-tert-butyl-P-benzoquinone	96	23.9	1448	1472															
<i>3-(2-Methyl-propenyl)-1H-indene</i>	95	25.56	1510			√													
2,6-Dimethyldecalin	94	15.995	1174	1372			√	√				√		√				√	



<i>Octadecyl 2-chloropropanoate</i>	44	18.031	1240		√														
<i>Heptadecyl 2,2,3,3,4,4,4-heptafluorobutanoate</i>	43	19.38	1284								√							√	
<i>7-Chloro-2,3-dihydro-3-(4-N,N-dimethylaminobenzylidene)-5-phenyl-1H-1,4-benzodiazepin-2-one</i>	38	22.362	1389		√									√					
<i>1-Octadecanesulphonyl chloride</i>	38	18.663	1261					√							√				√
<i>8-Methyloctahydrocoumarin</i>	35	16.537	1191				√	√				√							
<i>2-Methylnaphthalene</i>	30	19.321	1282	1301							√						√		
<i>3-Methyl-2-(2-oxopropyl)furan</i>	30	18.418	1253									√							
<i>Naphthalene, 1,6,7-trimethyl-</i>	25	25.425	1506	1572		√						√							

**Table S2.** BVOCs identified by similarity percentage analysis (SIMER) analysis as significantly ( $p < 0.0002$ ) contributing to the differences between control (C) and other mechanical damage treatments (LC, BC, and LBC). Values under the treatments are the average contribution of each compound to the pairwise difference, with the name of the experimental treatment in which the greater occurrence of that compound was found. Compounds that were not reliably identified (less than 70% identification probability) or lacked reference retention index (or calculated retention index mismatched with their reference values) are italicized.

Group wise BVOCs	Leaf-cutting (LC)		Branch-cutting (BC)		Leaf-branch-cutting (LBC)	
	Average	Higher in	Average	Higher in	Average	Higher in
<b>GLVs</b>						
2-Hexenal					0.005	LBC
2-Hexenal, (E)-					0.006	LBC
3-Hexen-1-ol, (E)-					0.013	LBC
3-Hexenal					0.011	LBC
<b>Monoterpenes</b>						
trans- $\beta$ -Ocimene	0.019	C				
$\beta$ -Pinene	0.006	LC				
<b>Homoterpenes</b>						
<i>(E)</i> -4,8-Dimethylnona-1,3,7-triene (DMNT)	0.013	LC				
<b>Sesquiterpenes</b>						
$\alpha$ -Farnesene					0.015	LBC
<b>Alcohols</b>						
1-Dodecanol, 2-hexyl-					0.003	LBC
1-Dodecanol, 2-octyl-					0.003	LBC
1,3,2-Dioxaphosphorinane-2-methanol, 2-oxo-.alpha.-phenyl-	0.006	LC				
<b>Aldehydes</b>						
Tridecanedial			0.003	BC		
<b>Alkanes</b>						

2,6,10-Trimethyldodecane					0.008	LBC
Octylcyclohexane			0.003	BC		
Undecane			0.007	BC		
<i>1-Pentyl-2-propylcyclopentane</i>			0.008	BC		
<i>5-Methylundecane</i>			0.003	BC		
<i>9-Methylheptadecane</i>					0.006	LBC
<i>Cyclohexane, (1-methylbutyl)-</i>			0.004	BC		
<i>Cyclohexane, 2,4-diisopropyl-1,1-dimethyl-</i>					0.003	LBC
<i>Tetratetracontane</i>					0.005	LBC
<i>Undecane, 2,6-dimethyl-</i>			0.012	BC		
<b>Alkenes</b>						
<i>1-Hexacosene</i>					0.003	LBC
<b>Esters</b>						
Diisobutyl phthalate			0.005	BC		
<i>Dichloroacetic acid, heptadecyl ester</i>					0.003	LBC
<i>Oleyl alcohol, trifluoroacetate</i>			0.009	BC		
<i>Oxalic acid, bis(6-ethyloct-3-yl) ester</i>			0.012	BC		
<i>Oxalic acid, cyclohexylmethyl isohexyl ester</i>					0.003	LBC
<i>Sulfurous acid, 2-ethylhexyl octadecyl ester</i>					0.003	LBC
<b>Ethers</b>						
<i>Eicosyl octyl ether</i>					0.007	LBC
<i>Octyl tetracosyl ether</i>			0.003	BC		
<b>Others</b>						
Butylated hydroxytoluene			0.015	BC		
<i>[1,2,4]Triazolo[1,5-a]pyrimidin-5-ol, 7-methyl-6-nitro-</i>					0.003	LBC
<i>1-Octadecanesulphonyl chloride</i>					0.006	LBC



<i>p</i> -Nitrosotoluene	0.011	LC				
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