

Sample Information

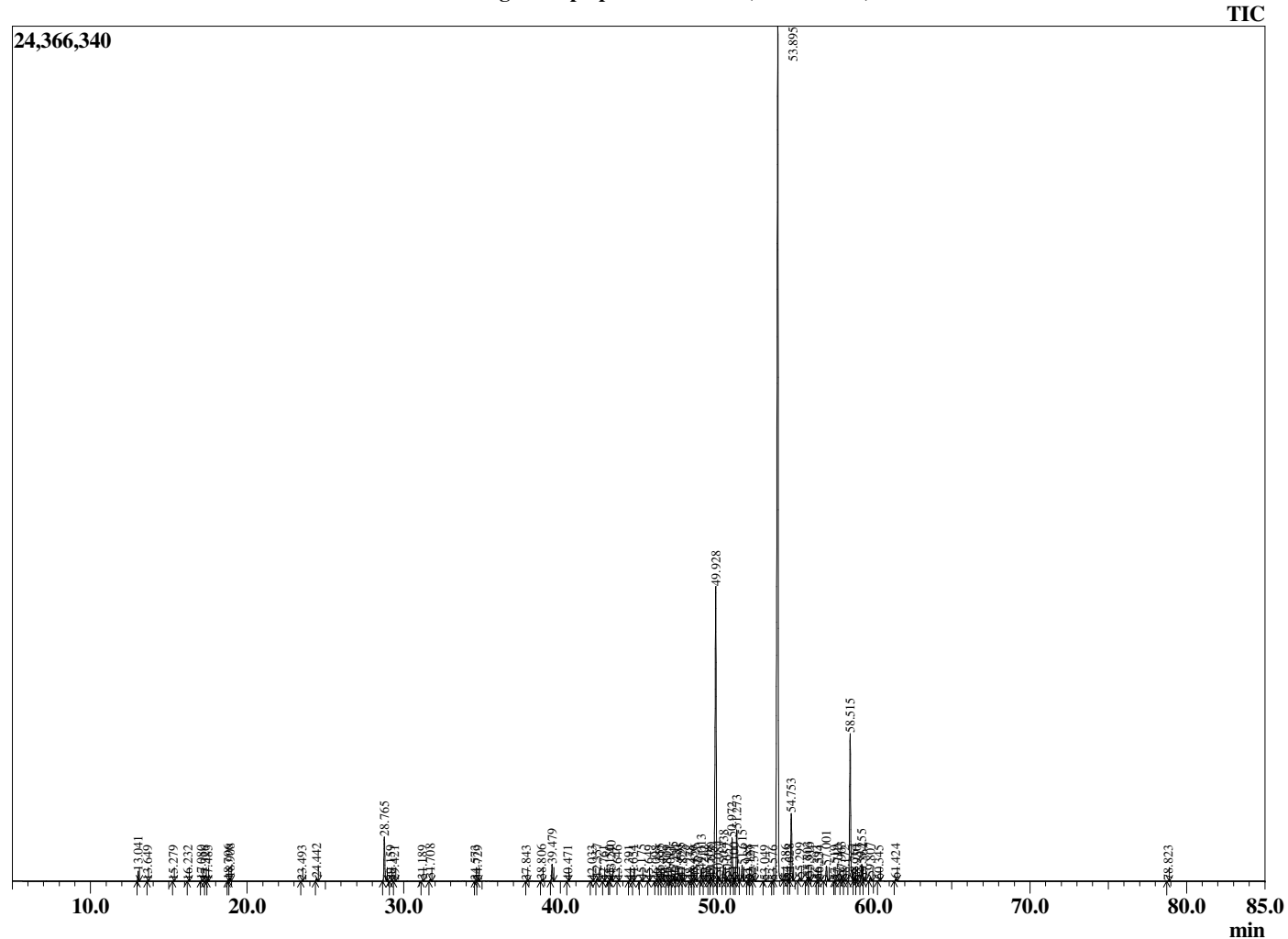
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/29/2020 5:23:13 AM
 Sample Type : Essential Oil
 Sample Name : *Oplopanax horridus* (Devil's Club)
 Sample ID : EOU200128B
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
13.041	alpha-Pinene	0.35
13.649	Unidentified	0.01
15.279	Sabinene	0.01
16.232	Myrcene	0.03
17.080	Octanal	0.03
17.326	alpha-Phellandrene	0.01
17.483	delta-3-Carene	0.01
18.796	Limonene	0.05
18.908	beta-Phellandrene	0.12
23.493	Linalool	0.02
24.442	Unidentified	0.13
28.765	(3E,5Z)-1,3,5-Undecatriene	2.14
29.159	1,3,5,8-Undecatetraene	0.03
29.421	(3Z,5E)-1,3,5-Undecatriene	0.02
31.189	Octyl acetate	0.04
31.708	Unidentified	0.10
34.573	Unidentified	0.01
34.729	Dec-2(E)-enal	0.02
37.843	4-vinyl-Guaiacol	0.01
38.806	delta-Elementene isomer	0.06
39.479	delta-Elementene	0.83
40.471	alpha-Cubebene	0.01
42.033	Unidentified	0.01
42.357	alpha-Copaene	0.14
42.761	beta-Elementene isomer	0.01
43.150	beta-Cubebene	0.02
43.240	beta-Elementene	0.25
43.646	Unidentified	0.01
44.391	alpha-Gurjunene	0.01
44.654	Unidentified	0.00
45.175	beta-Caryophyllene	0.07
45.649	Unidentified	0.01
46.098	Unidentified	0.02
46.355	Aromadendrene	0.13
46.492	Unidentified	0.04
46.809	Unidentified	0.04
47.011	Unidentified	0.03
47.245	trans-beta-Farnesene	0.22
47.431	alpha-Humulene	0.11
47.695	Alloaromadendrene	0.17
47.828	cis-Cadina-1(6),4-diene	0.05
48.278	Unidentified	0.02
48.456	10-beta-H-Cadina-1(6),4-diene	0.04
48.626	trans-Cadina-1(6),4-diene	0.15
49.013	Germacrene D	0.61
49.212	Unidentified	0.03
49.508	beta-Selinene	0.06
49.630	Viridiflorene (Ledene)	0.23
49.928	Bicyclgermacrene	16.83
50.084	alpha-Murolene	0.26
50.438	(E,E)-alpha-Farnesene	0.80
50.657	beta-Bisabolene	0.19
50.972	gamma-Cadinene	2.31
51.100	Cubebol	0.14
51.273	delta-Cadinene	2.68
51.615	beta-Sesquiphellandrene	0.82
51.988	Unidentified	0.06
52.127	trans-Cadine-1,4-diene	0.03
52.371	alpha-Cadinene	0.11
53.049	Elemol	0.03
53.576	Selina-6-en-4-ol	0.02
53.895	trans-Nerolidol	54.03

Chromatogram *Oplopanax horridus* (Devil's Club)



Comments:

R.Time	Name	Area%
54.386	Unidentified	0.12
54.628	Unidentified	0.06
54.753	Unidentified	3.63
55.299	Globulol	0.18
55.803	Viridiflorol	0.26
55.916	Guaiol	0.19
56.393	Ledol	0.01
56.534	Rosifoliol	0.03
57.001	1,10-di-epi-Cubenol	0.82
57.519	Unidentified	0.01
57.710	1-epi-Cubenol	0.08
57.963	Unidentified	0.25
58.172	beta-Eudesmol	0.02
58.515	alpha-Muurolol (=Torreyol)	8.08
58.764	delta-Cadinol	0.13
58.930	Unidentified	0.01
59.255	alpha-Cadinol	0.90
59.364	Unidentified	0.08
59.807	Bulnesol	0.20
60.345	Unidentified	0.03
61.424	Unidentified	0.09
78.823	Falcarinol	0.01
		100.00