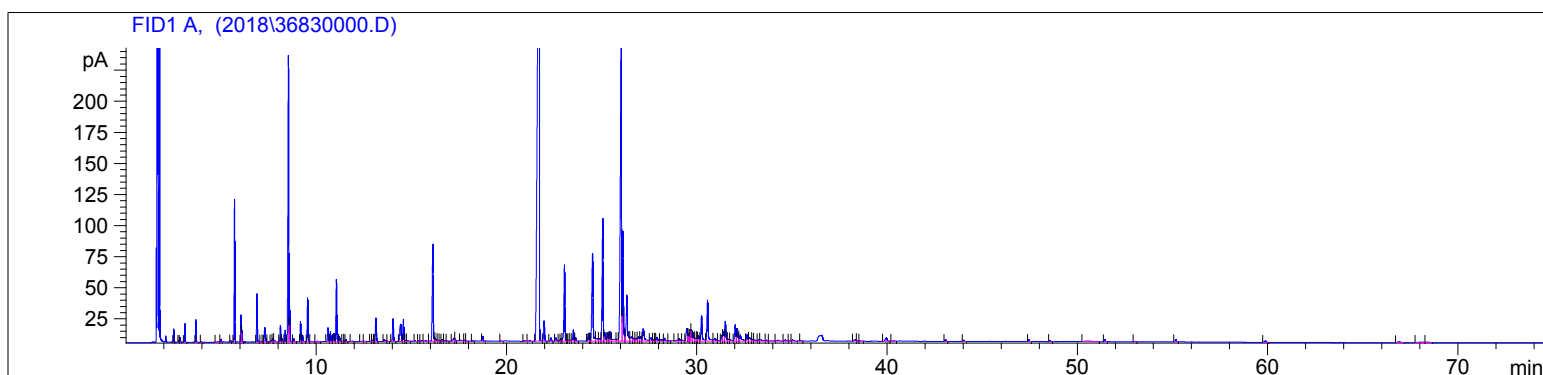


Helichrysum (Organic)  
3683-JJZEX  
S.E. Europe  
helichrysum italicum  
Sample/Solvent: 0.05g/0.52g  
Injection: 0.2uL  
15:1 Split Ratio

HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

10/4/2018 3:36:10 PM  
10/4/2018 3:36:10 PM

10/8/2018  
2:15:23 PM



#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1		2.51	100.00	14.72	10.71	14.72	0.16
2		2.76	100.00	1.92	1.36	1.92	0.02
3		2.84	100.00	5.98	3.99	5.98	0.06
4		3.09	100.00	23.02	15.07	23.02	0.25
5	4-methylhexan-3-one	3.66	100.00	31.15	18.27	31.15	0.33
6		3.94	100.00	1.35	0.40	1.35	0.01
7		4.84	100.00	3.70	0.48	3.70	0.04
8		4.98	100.00	5.78	2.41	5.78	0.06
9		5.51	100.00	2.40	1.03	2.40	0.03
10	alpha pinene	5.70	100.00	250.61	114.73	250.61	2.69
11	alpha fenchene	6.04	100.00	49.97	21.93	49.97	0.54
12	camphene	6.09	100.00	19.30	9.27	19.30	0.21
13	beta pinene	6.88	100.00	93.58	38.82	93.58	1.01
14		7.13	100.00	1.62	0.61	1.62	0.02
15		7.19	100.00	0.86	0.37	0.86	0.01
16	myrcene	7.29	100.00	39.56	11.74	39.56	0.43
17		7.45	100.00	1.05	0.37	1.05	0.01
18		7.64	100.00	4.08	1.52	4.08	0.04
19		7.71	100.00	8.29	2.84	8.29	0.09
20		7.80	100.00	6.44	1.14	6.44	0.07
21	alpha terpinene	8.11	100.00	34.11	13.06	34.11	0.37
22		8.20	100.00	6.84	2.36	6.84	0.07
23	para cymene	8.36	100.00	25.29	9.41	25.29	0.27
24	limonene	8.53	100.00	640.48	229.92	640.48	6.88
25	1,8-cineol	8.59	100.00	68.63	28.85	68.63	0.74
26		8.82	100.00	7.14	2.53	7.14	0.08
27	trans-beta ocimene	9.18	100.00	44.08	16.26	44.08	0.47
28		9.29	100.00	14.92	5.22	14.92	0.16
29	gamma terpinene	9.56	100.00	95.95	35.14	95.95	1.03
30		9.71	100.00	4.20	0.39	4.20	0.05
31		10.04	100.00	2.35	0.46	2.35	0.03
32	terpinolene	10.63	100.00	36.58	11.34	36.58	0.39
33	2-nonanone	10.75	100.00	24.95	8.07	24.95	0.27
34		10.94	100.00	20.53	6.59	20.53	0.22
35	linalool	11.07	100.00	150.04	50.16	150.04	1.61
36	nonanal	11.23	100.00	14.98	4.30	14.98	0.16

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#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
37		11.42	100.00	2.07	0.47	2.07	0.02
38		11.47	100.00	1.28	0.41	1.28	0.01
39		11.56	100.00	6.10	1.75	6.10	0.07
40		11.89	100.00	2.98	0.53	2.98	0.03
41		12.41	100.00	1.96	0.41	1.96	0.02
42		12.52	100.00	2.73	0.44	2.73	0.03
43		12.89	100.00	1.65	0.51	1.65	0.02
44		12.96	100.00	5.17	1.20	5.17	0.06
45		13.04	100.00	1.26	0.43	1.26	0.01
46		13.14	100.00	63.75	18.96	63.75	0.69
47		13.58	100.00	7.99	1.71	7.99	0.09
48		13.76	100.00	1.86	0.47	1.86	0.02
49	terpin-4-ol	14.05	100.00	58.89	18.41	58.89	0.63
50	4,6-dimethyloctane-3,5-dion	14.45	100.00	74.34	13.85	74.34	0.80
51	alpha terpineol	14.59	100.00	56.97	17.71	56.97	0.61
52		14.70	100.00	3.57	0.92	3.57	0.04
53		14.82	100.00	5.56	0.72	5.56	0.06
54		15.20	100.00	1.89	0.42	1.89	0.02
55		15.38	100.00	1.63	0.51	1.63	0.02
56		15.56	100.00	2.73	0.68	2.73	0.03
57		15.78	100.00	5.66	0.70	5.66	0.06
58	nerol	16.14	100.00	273.17	77.95	273.17	2.94
59		16.27	100.00	10.34	2.32	10.34	0.11
60		16.39	100.00	2.89	0.55	2.89	0.03
61		16.50	100.00	1.71	0.45	1.71	0.02
62		16.61	100.00	5.56	1.29	5.56	0.06
63		16.75	100.00	2.26	0.51	2.26	0.02
64		16.88	100.00	1.71	0.42	1.71	0.02
65		17.25	100.00	11.35	2.32	11.35	0.12
66		17.29	100.00	4.99	1.76	4.99	0.05
67		17.60	100.00	5.53	0.71	5.53	0.06
68		17.81	100.00	2.85	0.70	2.85	0.03
69		17.88	100.00	1.65	0.44	1.65	0.02
70		18.22	100.00	1.98	0.58	1.98	0.02
71		18.76	100.00	13.24	3.89	13.24	0.14
72		19.73	100.00	1.78	0.39	1.78	0.02
73		20.94	100.00	3.24	0.74	3.24	0.03
74		21.20	100.00	3.63	0.61	3.63	0.04
75	neryl acetate	21.73	100.00	2880.57	469.22	2880.57	30.95
76	geranyl acetate	21.99	100.00	57.12	16.13	57.12	0.61
77		22.34	100.00	9.20	2.57	9.20	0.10
78		22.61	100.00	9.88	2.60	9.88	0.11
79		22.77	100.00	1.74	0.44	1.74	0.02
80		22.87	100.00	8.57	2.23	8.57	0.09
81	italicene	23.06	100.00	221.78	61.07	221.78	2.38
82		23.17	100.00	2.12	0.54	2.12	0.02
83		23.27	100.00	3.42	0.82	3.42	0.04
84		23.34	100.00	3.57	0.77	3.57	0.04
85	cis-alpha bergamotene	23.52	100.00	33.50	8.91	33.50	0.36
86	beta caryophyllene	23.63	100.00	11.16	2.99	11.16	0.12
87		24.30	100.00	21.41	5.90	21.41	0.23
88		24.39	100.00	3.91	1.29	3.91	0.04
89	italidione A	24.53	100.00	327.06	70.56	327.06	3.51
90		24.74	100.00	17.43	2.14	17.43	0.19
91		24.91	100.00	14.20	1.99	14.20	0.15

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#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
92	neryl propanate	25.07	100.00	358.23	98.61	358.23	3.85
93		25.16	100.00	34.37	7.19	34.37	0.37
94		25.34	100.00	28.17	6.79	28.17	0.30
95		25.44	100.00	32.82	7.70	32.82	0.35
96		25.71	100.00	19.00	1.54	19.00	0.20
97		25.83	100.00	11.10	1.65	11.10	0.12
98	gamma curcumene + alpha cur	26.04	100.00	1059.51	242.94	1059.51	11.39
99	italidione C	26.13	100.00	327.24	88.17	327.24	3.52
100	beta selinene	26.34	100.00	179.97	37.07	179.97	1.93
101		26.58	100.00	25.91	3.27	25.91	0.28
102		26.67	100.00	13.04	2.43	13.04	0.14
103		26.81	100.00	15.02	2.41	15.02	0.16
104		26.93	100.00	21.36	3.44	21.36	0.23
105		27.06	100.00	17.08	3.68	17.08	0.18
106	alpha muurolene	27.19	100.00	68.79	9.76	68.79	0.74
107		27.60	100.00	16.17	2.68	16.17	0.17
108		27.72	100.00	5.35	1.07	5.35	0.06
109		27.81	100.00	3.63	0.93	3.63	0.04
110		27.92	100.00	17.14	3.30	17.14	0.18
111		28.14	100.00	9.98	1.40	9.98	0.11
112		28.31	100.00	11.39	2.20	11.39	0.12
113		28.56	100.00	2.32	0.37	2.32	0.02
114		28.96	100.00	6.20	0.81	6.20	0.07
115		29.08	100.00	11.45	2.01	11.45	0.12
116		29.26	100.00	4.90	0.71	4.90	0.05
117	italidione D	29.49	100.00	55.20	10.30	55.20	0.59
118		29.57	100.00	19.65	5.68	19.65	0.21
119		29.67	100.00	33.11	9.12	33.11	0.36
120		29.71	100.00	32.92	8.89	32.92	0.35
121		29.83	100.00	31.38	6.98	31.38	0.34
122		29.94	100.00	11.45	2.34	11.45	0.12
123		30.00	100.00	6.58	2.09	6.58	0.07
124		30.10	100.00	20.26	4.27	20.26	0.22
125		30.26	100.00	89.86	20.43	89.86	0.97
126	caryophyllene oxide	30.57	100.00	145.20	32.85	145.20	1.56
127		30.97	100.00	15.11	2.12	15.11	0.16
128		31.14	100.00	4.03	0.52	4.03	0.04
129		31.34	100.00	19.12	4.82	19.12	0.21
130		31.41	100.00	30.18	7.44	30.18	0.32
131		31.51	100.00	67.89	16.01	67.89	0.73
132		31.66	100.00	8.94	1.64	8.94	0.10
133		31.75	100.00	8.07	1.11	8.07	0.09
134	gamma eudesmol	32.03	100.00	53.43	12.99	53.43	0.57
135		32.14	100.00	47.27	10.33	47.27	0.51
136		32.30	100.00	38.89	4.93	38.89	0.42
137	alpha eudesmol	32.65	100.00	24.39	5.26	24.39	0.26
138		32.78	100.00	21.40	2.60	21.40	0.23
139		32.92	100.00	7.11	1.44	7.11	0.08
140		33.03	100.00	5.99	0.94	5.99	0.06
141		33.26	100.00	7.28	1.39	7.28	0.08
142		33.38	100.00	10.26	1.09	10.26	0.11
143		33.66	100.00	3.95	0.82	3.95	0.04
144		33.86	100.00	4.27	0.36	4.27	0.05
145		34.27	100.00	7.99	0.89	7.99	0.09
146		34.65	100.00	5.12	0.98	5.12	0.06

3683-JJZEX

Instrument 6890

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36830000.D

Helichrysum (Organic)  
3683-JJZEX  
S.E. Europe  
helichrysum italicum  
Sample/Solvent: 0.05g/0.52g  
Injection: 0.2uL  
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HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

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#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
147		34.88	100.00	1.75	0.37	1.75	0.02
148		35.03	100.00	6.32	0.95	6.32	0.07
149		35.48	100.00	2.18	0.42	2.18	0.02
150		38.32	100.00	8.71	1.23	8.71	0.09
151		38.42	100.00	3.41	0.80	3.41	0.04
152		38.60	100.00	1.86	0.40	1.86	0.02
153		39.97	100.00	18.13	2.67	18.13	0.19
154		40.34	100.00	2.70	0.45	2.70	0.03
155		43.08	100.00	6.65	1.62	6.65	0.07
156		44.03	100.00	4.18	1.00	4.18	0.04
157		47.45	100.00	6.48	1.60	6.48	0.07
158		48.57	100.00	3.51	0.88	3.51	0.04
159		50.66	100.00	10.83	0.42	10.83	0.12
160		51.45	100.00	6.75	1.64	6.75	0.07
161		53.02	100.00	1.82	0.44	1.82	0.02
162		55.18	100.00	7.86	1.74	7.86	0.08
163		59.89	100.00	8.68	1.28	8.68	0.09
164		66.91	100.00	9.53	0.90	9.53	0.10
165		68.08	100.00	9.72	0.47	9.72	0.10
166		68.42	100.00	7.38	0.61	7.38	0.08





