

Sample Information

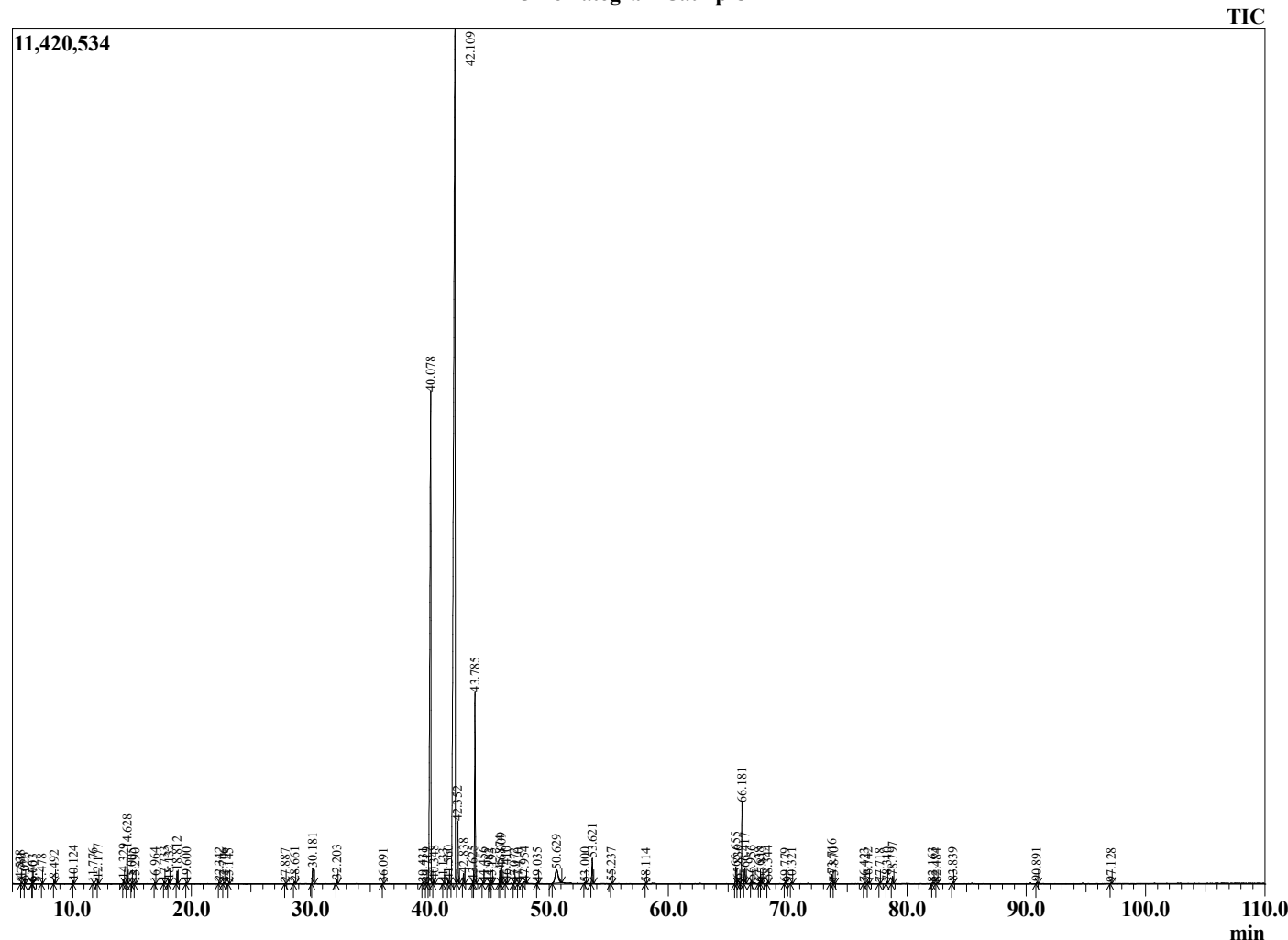
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 8/7/2023 6:56:07 PM
 Sample Type : Essential Oil
 Sample Name : Catnip Oil
 Sample ID : 7G
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.005	Isovaleric aldehyde	0.02
4.108	2-Methylbutanal	0.02
4.538	2-Ethylfuran	0.06
5.740	Senecionitrile	0.01
6.026	alpha-Methyl Methylbutyrate	0.03
6.661	Octane	0.01
6.703	Hexanal	0.01
7.478	trans-trans-1,3,6-Octatriene	0.02
8.492	trans-2-Hexenal	0.10
10.124	Styrene	0.05
11.776	alpha-Thujene	0.02
12.177	alpha-Pinene	0.10
14.329	Sabinene	0.11
14.628	beta-Pinene	0.79
15.005	Octan-3-one	0.02
15.290	2-Pentylfuran	0.03
16.964	alpha-Terpinene	0.03
17.733	Limonene	0.05
18.132	cis-beta-Ocimene	0.10
18.812	trans-beta-Ocimene	0.32
19.600	gamma-Terpinene	0.04
22.342	Linalyl anthranilate	0.04
22.706	Nonanal	0.02
23.145	Phenethyl alcohol	0.02
27.887	Terpinen-4-ol	0.02
28.661	Unidentified	0.07
30.181	Unidentified	0.70
32.203	Carvone	0.11
36.091	Tridecane	0.02
39.431	Unidentified	0.04
39.719	Unidentified	0.04
40.078	cis-trans-Nepetalactone	22.19
40.348	Unidentified	0.12
41.133	Unidentified	0.02
41.560	cis-3-Hexenyl Hex-(3Z)-enoate	0.09
42.109	cis-cis-Nepetalactone	56.87
42.352	4a alpha,7alpha,7a-alpha-Nepetalactone	1.81
42.838	Isocaryophyllene	0.33
43.625	Unidentified	0.09
43.785	beta-Caryophyllene	5.92
44.456	Unidentified	0.03
44.982	Unidentified	0.02
45.195	Unidentified	0.01
45.874	cis-beta-Farnesene	0.41
46.009	alpha-Humulene	0.52
46.410	4-methyl-Dodecane	0.06
47.072	Unidentified	0.02
47.410	Unidentified	0.02
47.954	Nepetalactone analog	0.13
49.035	Unidentified	0.04
50.629	Unidentified	1.69
53.000	cis-3-Hexenyl Benzoate	0.03
53.621	Caryophyllene oxide	0.85
55.237	Humulene epoxide II	0.05
58.114	Unidentified	0.01
65.655	Unidentified	0.55
65.836	Unidentified	0.17
66.181	Unidentified	3.04
66.417	Unidentified	0.52
66.956	Unidentified	0.10
67.638	Unidentified	0.04
67.813	Phytone	0.10

Chromatogram Catnip Oil



Comments:

The analysis of this Catnip batch sample meets the expected chemical profile for authentic essential oil of *Nepeta cataria*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

R.Time	Name	Area%
68.344	Unidentified	0.08
69.779	Unidentified	0.03
70.321	Unidentified	0.04
73.716	Unidentified	0.36
73.870	Unidentified	0.04
76.423	Unidentified	0.03
76.742	Unidentified	0.05
77.718	Unidentified	0.01
78.310	Unidentified	0.04
78.797	Unidentified	0.24
82.163	Unidentified	0.04
82.484	Unidentified	0.02
83.839	Geranyl octanoate	0.05
90.891	Unidentified	0.05
97.128	Unidentified	0.02
		100.00