

Sample Information

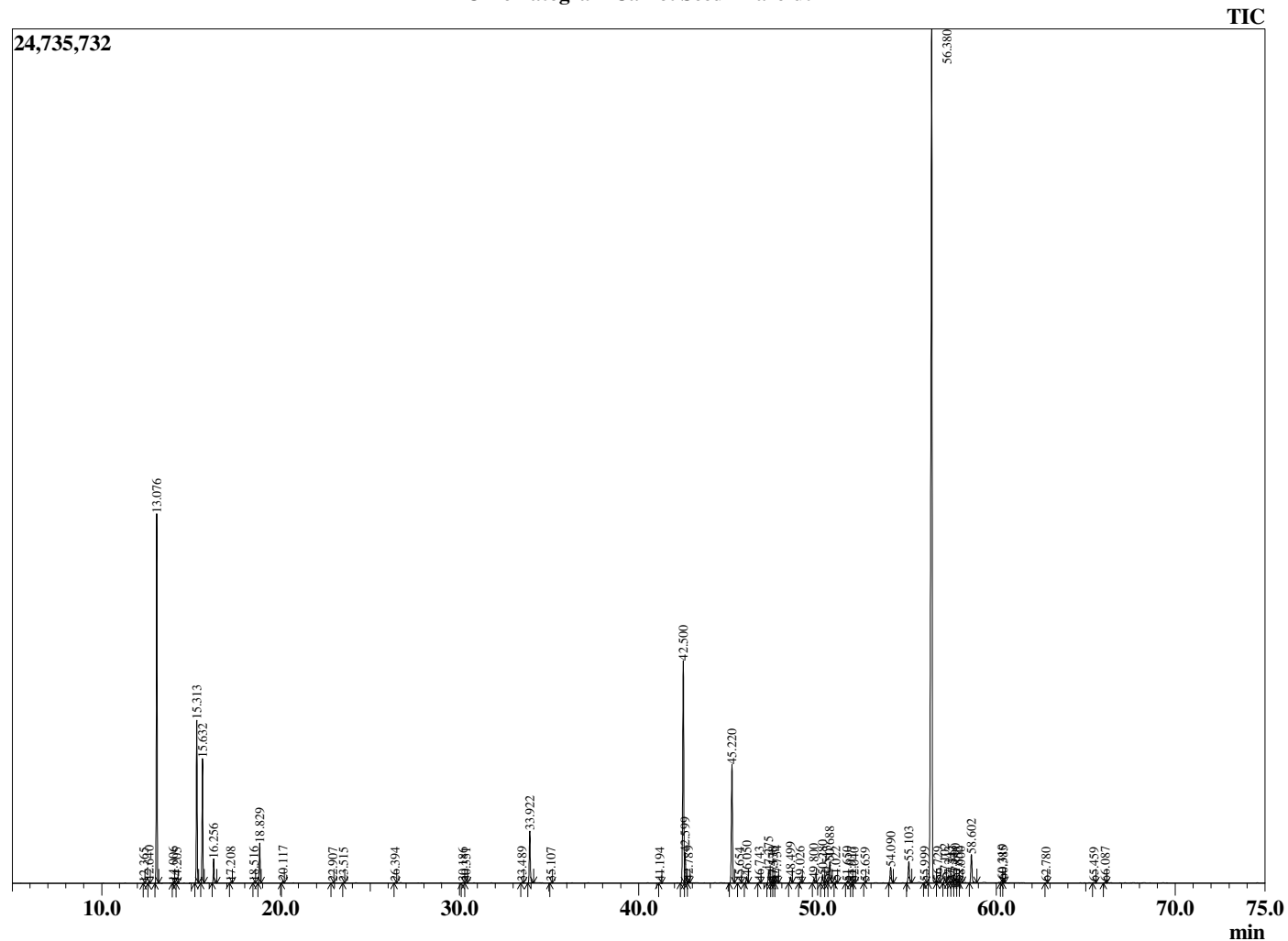
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/4/2020 4:15:36 AM
 Sample Type : Essential Oil
 Sample Name : Carrot Seed - Barefut
 Sample ID : 0103
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
12.365	Hashishene	0.02
12.640	alpha-Thujene	0.06
13.076	alpha-Pinene	12.04
14.006	Camphene	0.05
14.205	Thuja-2,4(10)diene	0.02
15.313	Sabinene	5.80
15.632	beta-Pinene	4.35
16.256	Myrcene	0.86
17.208	Pseudolimonene	0.04
18.516	para-Cymene	0.04
18.829	Limonene	1.53
20.117	Isobutyl angelate	0.08
22.907	Isobutyl tiglate	0.03
23.515	alpha-Pinene oxide	0.03
26.394	trans-Pinocarveol	0.02
30.186	Myrtenal	0.05
30.351	cis-Dihydrocarvone	0.03
33.489	Carvone	0.04
33.922	Geraniol	2.28
35.107	Geranial	0.02
41.194	Neryl acetate	0.03
42.500	Geranyl acetate	10.19
42.599	Daucene	1.31
42.789	Unidentified	0.08
45.220	beta-Caryophyllene	5.71
45.654	Unidentified	0.03
46.050	trans-alpha-Bergamotene	0.34
46.743	Unidentified	0.05
47.275	trans-beta-Farnesene	0.53
47.478	alpha-Humulene	0.04
47.530	Unidentified	0.03
47.734	Unidentified	0.13
48.499	Dauca-5,8-diene	0.31
49.026	Ar-Curcumene	0.07
49.800	trans-Methyl isoeugenol	0.18
50.280	Isodaucene	0.38
50.513	Unidentified	0.14
50.688	beta-Bisabolene	1.06
51.022	Unidentified	0.08
51.650	beta-Sesquiphellandrene	0.05
51.917	Dauca-4(11),8-diene	0.05
52.040	trans-Calamenene	0.03
52.659	trans-alpha-Bisabolene	0.03
54.090	Unidentified	0.89
55.103	Caryophyllene oxide	1.11
55.999	Unidentified	0.03
56.380	Carotol	47.16
56.729	Unidentified	0.07
57.102	Apiole	0.19
57.343	Unidentified	0.04
57.543	Unidentified	0.11
57.690	Unidentified	0.21
57.852	Unidentified	0.06
58.000	Unidentified	0.04
58.602	Daucol	1.47
60.310	Unidentified	0.14
60.385	Unidentified	0.11
62.780	Unidentified	0.02
65.459	Unidentified	0.04
66.087	Unidentified	0.06
66.087	Unidentified	100.00

Chromatogram Carrot Seed - Barefut



Comments:

The analysis of this Carrot Seed batch sample meets the expected chemical profile for authentic essential oil of

Daucus carota. 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.