LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
Data File : VF061595.D
Acq On : 11 Feb 2019 19:34
Operator : VA/AP
Sample : K1461-05
Misc : 5.07g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : TEST-PIT-4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.057	38	43	44	rBV2	2844	4454	4.29%	0.652%
2	1.076	44	45	47	rVV2	1653	2545	2.45%	0.372%
3	1.145	51	52	55	rVV3	2459	4987	4.80%	0.730%
4	1.195	55	57	58	rVV2	2449	3456	3.33%	0.506%
5	1.224	58	60	62	rVV2	1826	3127	3.01%	0.458%
6	1.293	62	67	70	rVV6	2508	7638	7.35%	1.118%
7	1.392	75	77	79	rBV3	2586	4557	4.38%	0.667%
8	1.599	96	98	101	rVB3	1808	2298	2.21%	0.336%
9	1.727	109	111	113	rBV3	1956	3580	3.44%	0.524%
10	1.796	116	118	119	rBV2	1231	1764	1.70%	0.258%
11	1.826	119	121	124	rBV4	1531	2484	2.39%	0.363%
12	1.964	133	135	139	rBV5	1093	2485	2.39%	0.364%
13	2.171	152	156	158	rBV4	1732	3431	3.30%	0.502%
14	2.211	158	160	161	rVV2	1709	1915	1.84%	0.280%
15	2.230	161	162	164	rVB3	1675	1925	1.85%	0.282%
16	2.319	169	171	173	rBV3	1864	2472	2.38%	0.362%
17	2.378	173	177	178	rVV4	2475	4926	4.74%	0.721%
18	2.447	181	184	185	rVV2	4217	5333	5.13%	0.780%
19	2.497	188	189	191	rVV	3840	4723	4.54%	0.691%
20	2.526	191	192	195	rVB	3042	3539	3.41%	0.518%
21	2.921	226	232	233	rBV4	2136	6574	6.33%	0.962%
22	2.951	233	235	237	rVV2	4144	5503	5.30%	0.805%
23	2.990	237	239	241	rVV	3233	5628	5.42%	0.824%
24	3.039	241	244	245	rVV3	3859	8482	8.16%	1.241%
25	3.059	245	246	250	rVV2	7984	8550	8.23%	1.251%
26	3.118	250	252	255	rVB2	1521	2189	2.11%	0.320%
27	3.592	297	300	301	rVB	1240	1754	1.69%	0.257%
28	4.095	345	351	356	rBV5	6182	17731	17.06%	2.595%
29	4.164	356	358	362	rVB3	1430	2576	2.48%	0.377%
30	4.361	376	378	380	rBV2	1257	1664	1.60%	0.243%
31	4.647	404	407	409	rBV2	945	2028	1.95%	0.297%
32	4.845	420	427	436	rVV4	14757	52403	50.42%	7.668%
33	4.963	436	439	441	rVV2	1040	2157	2.08%	0.316%
34	5.121	450	455	456	rVV	731	1911	1.84%	0.280%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Title : SW846 8260

35	5.397	481	483	487	rBV	698	1610	1.55%	0.236%
36	5.486	490	492	495	rVB2	1020	1836	1.77%	0.269%
37	5.574	495	501	509	rBV2	14200	43473	41.83%	6.361%
38	5.722	513	516	519	rBV2	776	1613	1.55%	0.236%
39	5.861	529	530	534	rVB2	890	1644	1.58%	0.241%
40	5.920	534	536	539	rBV2	1155	2459	2.37%	0.360%
41	6.137	554	558	559	rBV	1171	2280	2.19%	0.334%
42	6.561	596	601	602	rBV2	658	1622	1.56%	0.237%
43	6.610	602	606	611	rVV2	999	2597	2.50%	0.380%
44	6.955	638	641	645	rVB	6378	6820	6.56%	0.998%
45	7.005	645	646	648	rBV	65769	41682	40.11%	6.099%
46	7.537	695	700	705	rVV2	17358	43923	42.26%	6.427%
47	7.606	705	707	709	rVB	1866	2747	2.64%	0.402%
48	7.774	722	724	729	rVB	1145	2427	2.34%	0.355%
49	7.843	729	731	735	rBV2	1238	2424	2.33%	0.355%
50	8.465	792	794	797	rVB2	988	1827	1.76%	0.267%
51	8.524	797	800	803	rBV3	1299	2601	2.50%	0.381%
52	8.692	814	817	819	rBV2	1475	2019	1.94%	0.295%
53	9.293	875	878	881	rVV2	719	1912	1.84%	0.280%
54	9.382	885	887	890	rVV3	1038	1874	1.80%	0.274%
55	9.698	916	919	921	rBV3	984	1629	1.57%	0.238%
56	9.757	921	925	930	rBV3	12908	31473	30.28%	4.605%
57	9.915	939	941	943	rBV	1665	2046	1.97%	0.299%
58	10.260	975	976	980	rBV	1570	2499	2.40%	0.366%
59	10.359	984	986	990	rVV	1231	2780	2.68%	0.407%
60	10.546	1002	1005	1007	rBV2	1147	1836	1.77%	0.269%
61	10.635	1010	1014	1017	rBV4	1026	2076	2.00%	0.304%
62	10.832	1029	1034	1040	rVB	51310	103923	100.00%	15.207%
63	11.168	1064	1068	1069	rBV	1114	2157	2.08%	0.316%
64	11.207	1069	1072	1074	rVV2	2586	4410	4.24%	0.645%
65	11.345	1083	1086	1088	rBV4	1616	2563	2.47%	0.375%
66	11.394	1088	1091	1096	rBV3	7594	15559	14.97%	2.277%
67	11.572	1104	1109	1112	rBV3	986	3213	3.09%	0.470%
68	11.651	1112	1117	1121	rVV2	18482	34613	33.31%	5.065%
69	11.838	1132	1136	1141	rVB3	1381	3679	3.54%	0.538%
70	11.996	1148	1152	1157	rBV3	8255	15970	15.37%	2.337%
71	12.164	1168	1169	1174	rVB3	1177	2734	2.63%	0.400%

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Instrument : MSVOA_F
ClientSampleId : TEST-PIT-4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Title : SW846 8260

72	12.233	1174	1176	1178	rBV	1203	1681	1.62%	0.246%
73	12.272	1178	1180	1184	rVB	4691	7053	6.79%	1.032%
74	12.410	1193	1194	1196	rBV	1542	1997	1.92%	0.292%
75	12.470	1199	1200	1204	rVB3	1268	2166	2.08%	0.317%
76	12.539	1204	1207	1211	rBV3	9869	16731	16.10%	2.448%
77	12.627	1214	1216	1219	rBV2	655	1683	1.62%	0.246%
78	12.884	1239	1242	1245	rVB	1271	2266	2.18%	0.332%
79	12.943	1245	1248	1250	rVB2	1324	2344	2.26%	0.343%
80	13.022	1254	1256	1259	rVB2	1110	2137	2.06%	0.313%
81	13.071	1259	1261	1262	rBV	1358	2122	2.04%	0.311%
82	13.091	1262	1263	1266	rVB	1436	1767	1.70%	0.259%
83	13.357	1289	1290	1293	rBV2	1744	2058	1.98%	0.301%
84	13.959	1348	1351	1354	rBV2	1550	2675	2.57%	0.391%
85	14.314	1385	1387	1390	rBV2	834	1598	1.54%	0.234%
86	14.541	1408	1410	1412	rVB	1234	1878	1.81%	0.275%
87	14.610	1412	1417	1419	rBV4	2322	6020	5.79%	0.881%
88	14.659	1419	1422	1425	rVB	2372	3963	3.81%	0.580%
89	14.738	1425	1430	1431	rBV2	1758	4101	3.95%	0.600%
90	14.768	1431	1433	1434	rVV2	1127	1652	1.59%	0.242%
91	14.886	1443	1445	1447	rBV	1688	2726	2.62%	0.399%
92	15.271	1482	1484	1487	rVB	1667	3263	3.14%	0.477%
93	15.340	1490	1491	1494	rVB2	1183	1734	1.67%	0.254%
94	15.389	1494	1496	1499	rBV	1504	2907	2.80%	0.425%
95	15.498	1505	1507	1510	rVB2	1359	2122	2.04%	0.311%
96	15.597	1515	1517	1518	rVB2	2100	2039	1.96%	0.298%
97	15.833	1538	1541	1542	rBV	1871	3385	3.26%	0.495%
98	15.863	1542	1544	1547	rVB2	1196	1582	1.52%	0.231%
99	15.932	1547	1551	1552	rBV2	1355	2464	2.37%	0.361%
100	16.040	1560	1562	1564	rBV2	1380	1929	1.86%	0.282%

Sum of corrected areas: 683382

LSC Report - Integrated Chromatogram

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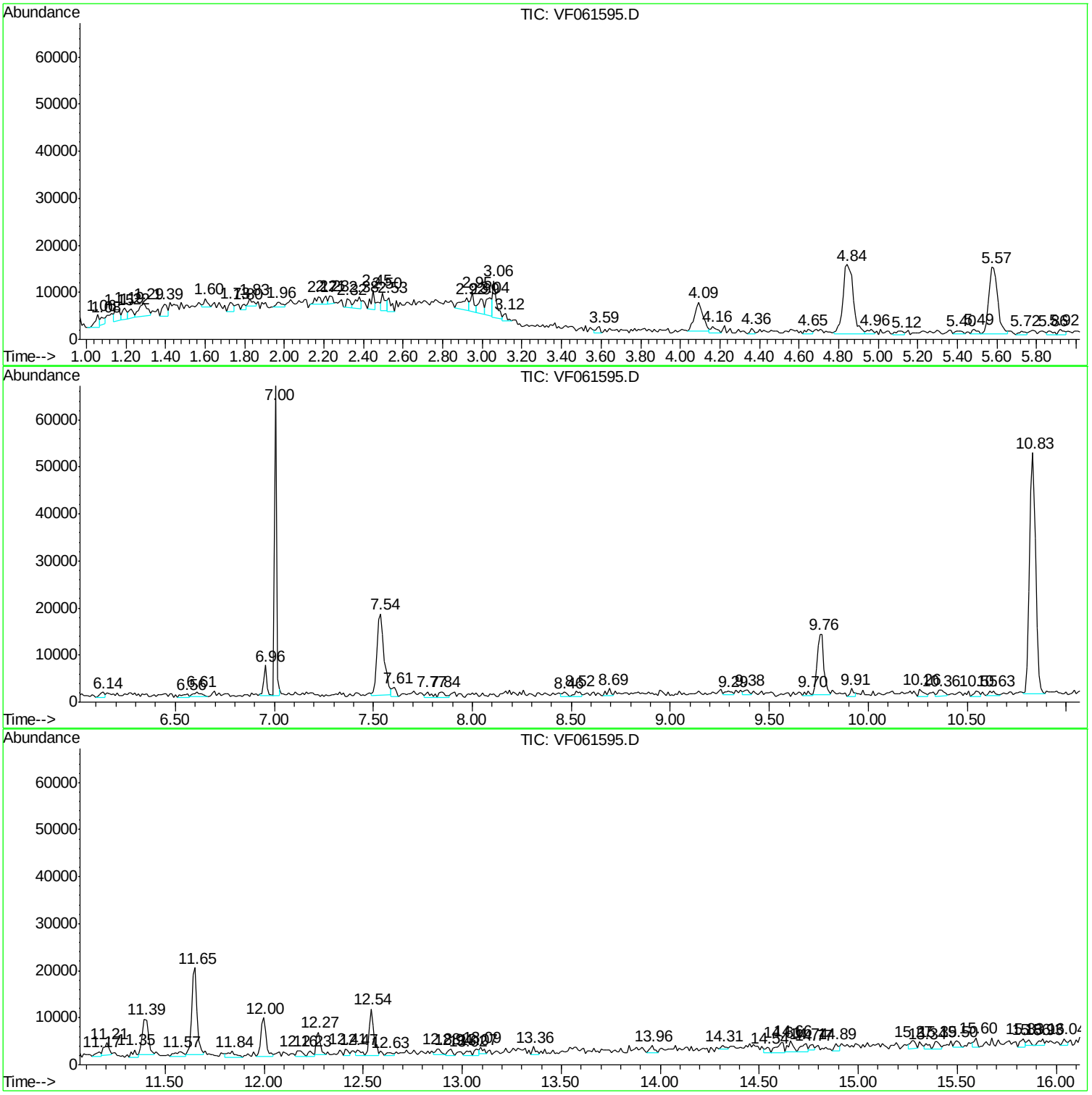
Instrument : MSVOA_F
ClientSampleId : TEST-PIT-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Quant Title : SW846 8260

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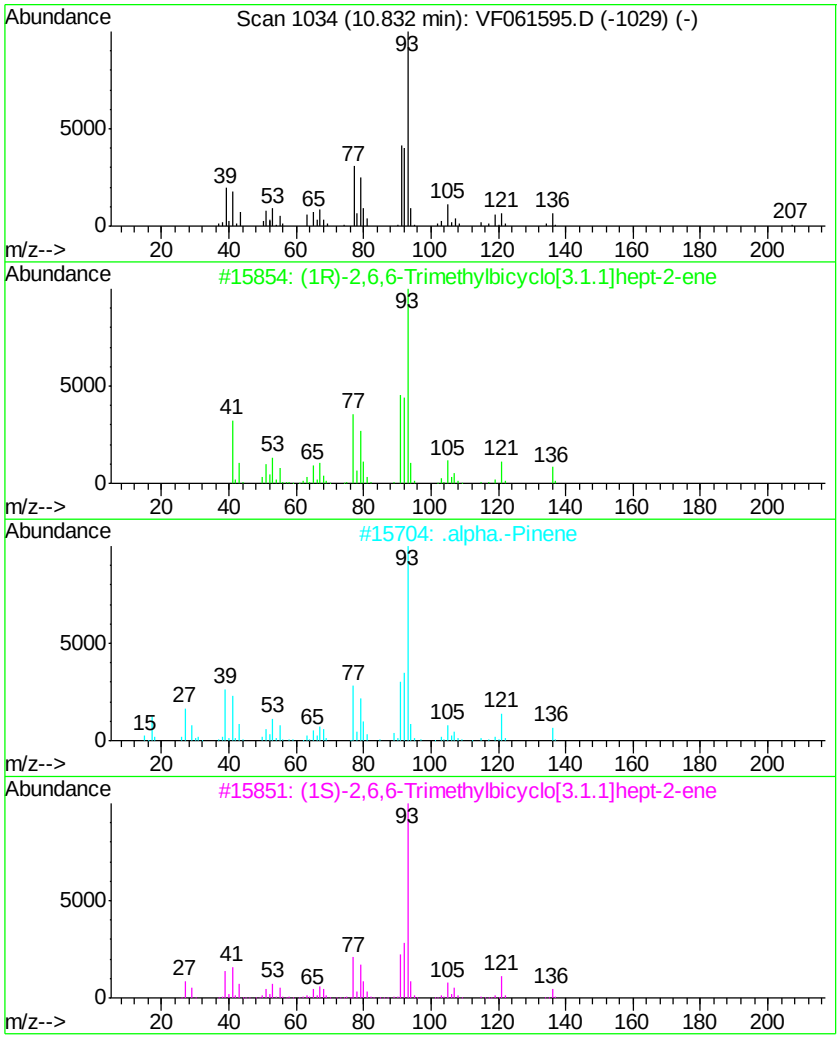
TIC Integration Parameters: LSCINT.P

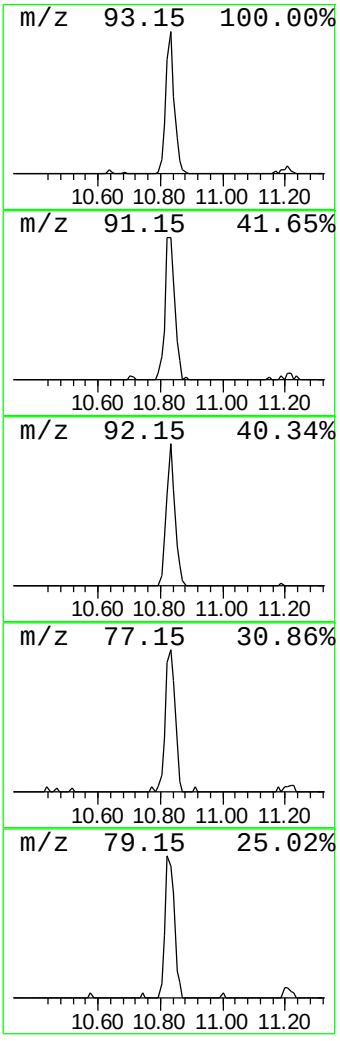
****

Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	165.10 ug/l	103923	Chlorobenzene-d5	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	91
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
4	.gamma.-Terpinene	136	C10H16	000099-85-4	81
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	74





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

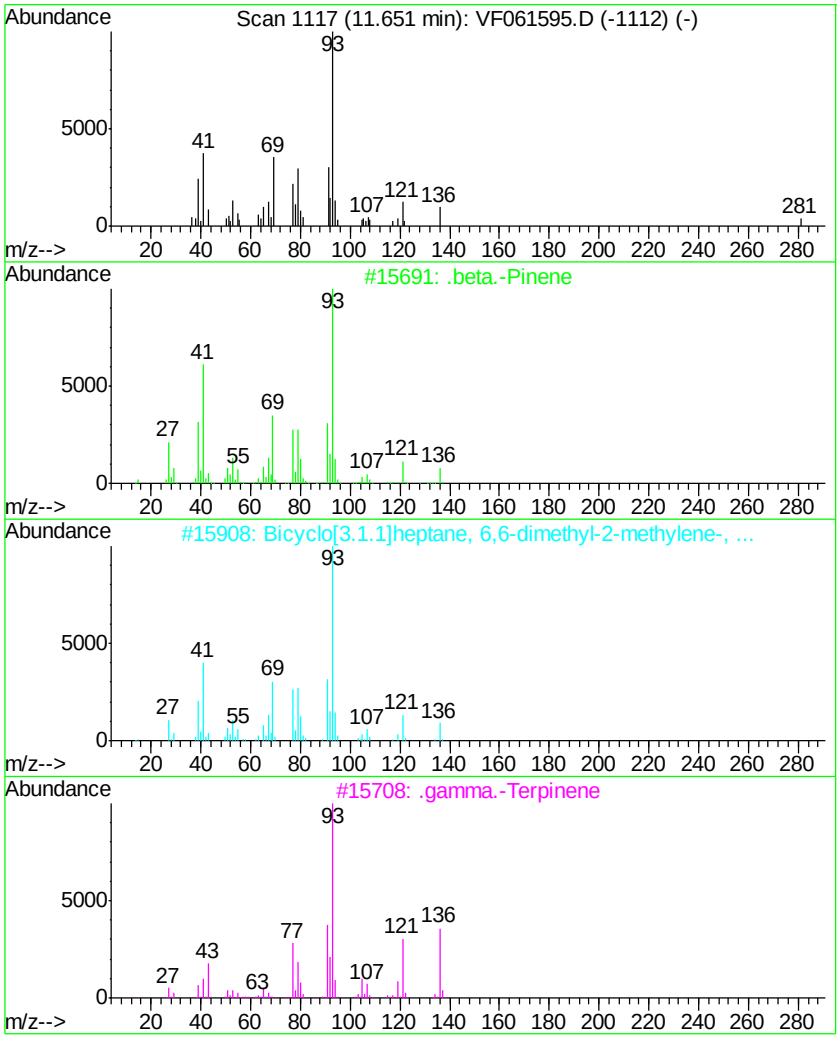
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

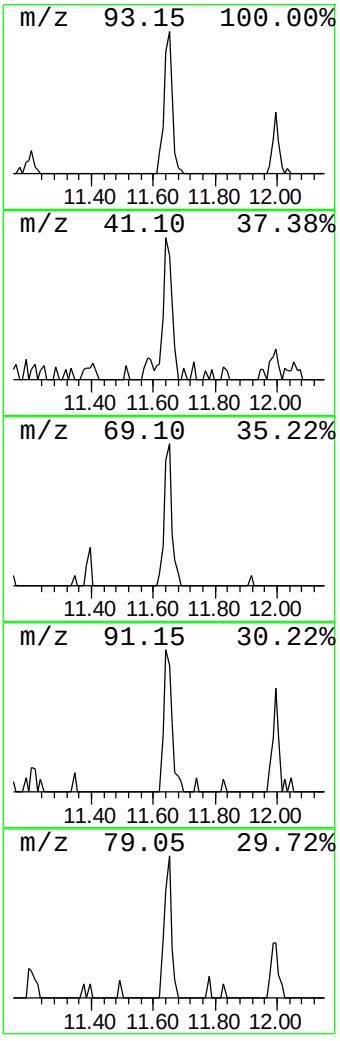
****

Peak Number 4 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	103.44 ug/l	34613	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	91
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
3	.gamma.-Terpinene	136	C10H16	000099-85-4	87
4	Cyclopropane, 1,1-dimethyl-2-(3-...	136	C10H16	068998-21-0	86
5	1,3,7-Octatriene, 3,7-dimethyl-	136	C10H16	000502-99-8	86





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

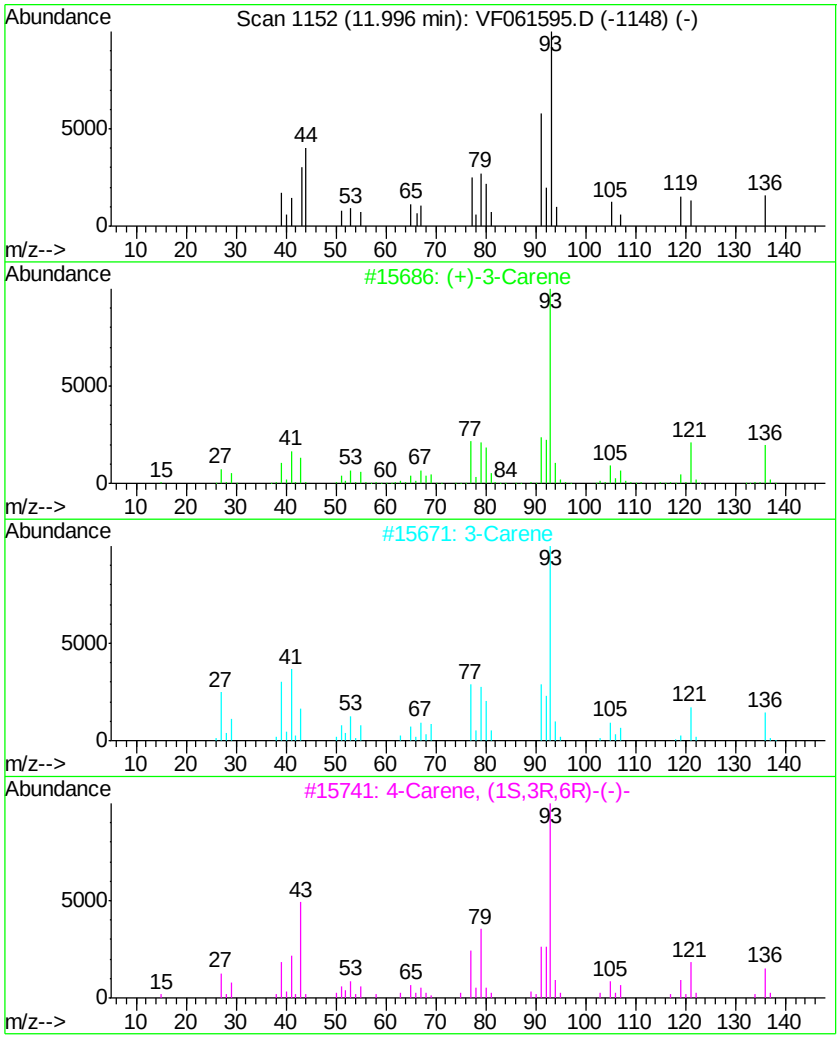
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

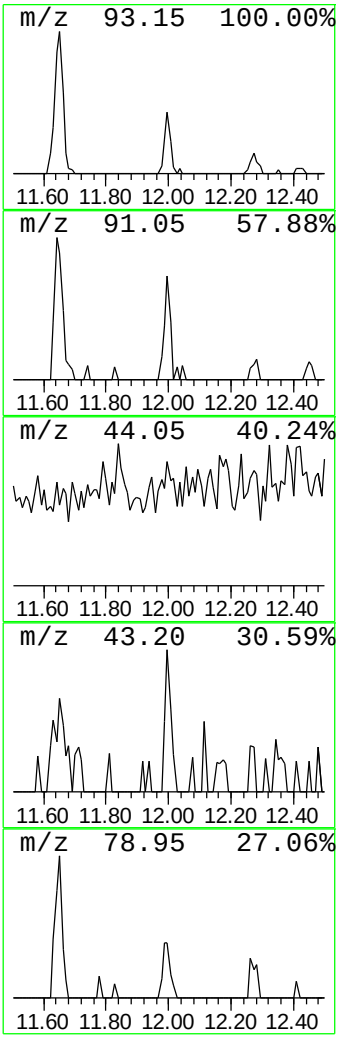
****

Peak Number 6 (+)-3-Carene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	47.73 ug/l	15970	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-3-Carene	136	C10H16	000498-15-7	81
2	3-Carene	136	C10H16	013466-78-9	76
3	4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	68
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	64
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	64





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

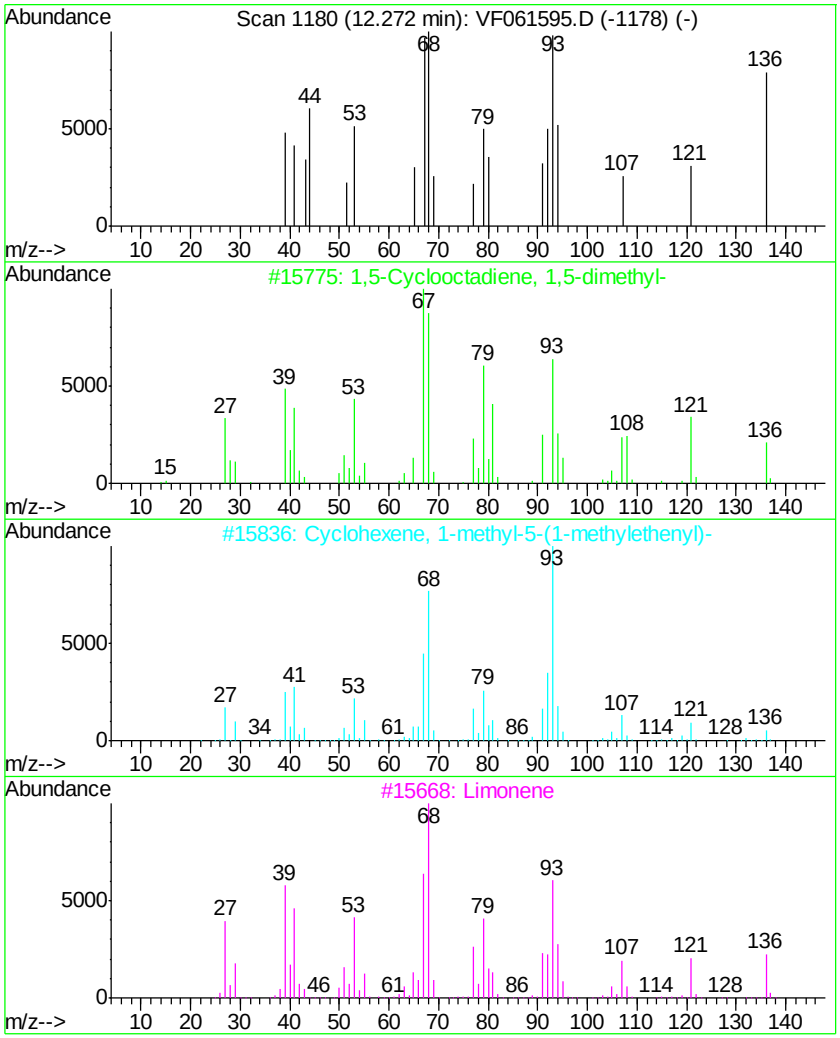
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

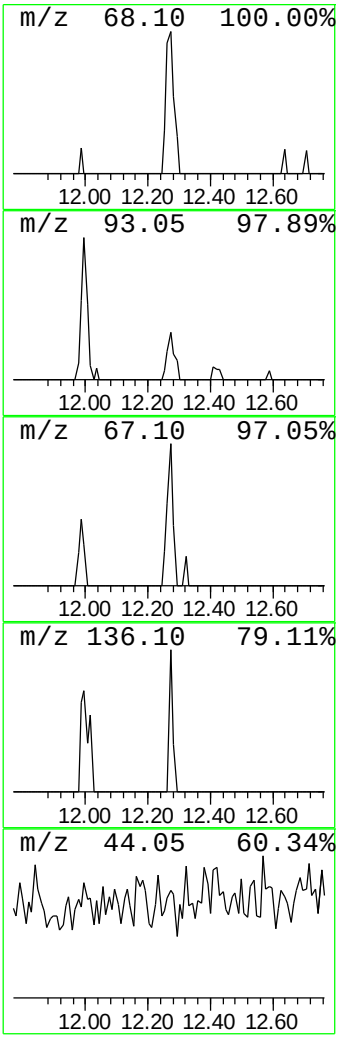
****

Peak Number 7 1,5-Cyclooctadiene, 1,5-dim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	21.08 ug/l	7053	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	53
2	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	53
3	Limonene	136	C10H16	000138-86-3	50
4	D-Limonene	136	C10H16	005989-27-5	47
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	42





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(1R)-2,6,6-Trimet...	10.83	165.1	ug/l	103923	3	9.76	31473	50.0
.beta.-Pinene	11.65	103.4	ug/l	34613	4	12.54	16731	50.0
(+)-3-Carene	12.00	47.7	ug/l	15970	4	12.54	16731	50.0
1,5-Cyclooctadien...	12.27	21.1	ug/l	7053	4	12.54	16731	50.0