LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM122618S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	6	10	16	rVB4	1015	2098	0.47%	0.071%
2	2.075	26	28	30	rVB2	166	136	0.03%	0.005%
3	2.111	30	34	35	rBV2	164	192	0.04%	0.006%
4	2.361	67	75	87	rBV	16554	39581	8.81%	1.331%
5	2.745	136	138	141	rBV2	170	143	0.03%	0.005%
6	2.898	155	163	176	rVV2	9505	27973	6.23%	0.941%
7	3.038	185	186	189	rBV	160	173	0.04%	0.006%
8	3.135	198	202	205	rVB	138	219	0.05%	0.007%
9	3.166	205	207	208	rBV	167	148	0.03%	0.005%
10	3.379	239	242	243	rBV	164	130	0.03%	0.004%
11	3.465	253	256	260	rBV	97	159	0.04%	0.005%
12	3.532	265	267	270	rVB	163	143	0.03%	0.005%
13	3.684	284	292	304	rBV2	7019	18062	4.02%	0.608%
14	3.769	304	306	308	rVB2	245	196	0.04%	0.007%
15	3.830	315	316	317	rBV	185	118	0.03%	0.004%
16	3.861	317	321	328	rVB4	629	1436	0.32%	0.048%
17	4.007	333	345	362	rBV2	36638	125310	27.91%	4.215%
18	4.397	401	409	418	rBV3	1005	2909	0.65%	0.098%
19	4.916	483	494	511	rBB3	6665	24081	5.36%	0.810%
20	5.928	655	660	667	rBV3	1047	2454	0.55%	0.083%
21	6.117	690	691	696	rBB	79	122	0.03%	0.004%
22	7.080	840	849	855	rBV	10111	28655	6.38%	0.964%
23	7.141	855	859	869	rVV	8120	21420	4.77%	0.721%
24	7.647	932	942	953	rBB	60161	142722	31.78%	4.801%
25	8.275	1032	1045	1060	rBB3	138829	449052	100.00%	15.105%
26	8.695	1111	1114	1116	rBB3	190	220	0.05%	0.007%
27	8.842	1128	1138	1148	rBB	121622	236354	52.63%	7.950%
28	9.274	1201	1209	1220	rBV	72087	148392	33.05%	4.991%
29	9.470	1238	1241	1243	rVB	243	269	0.06%	0.009%
30	9.756	1282	1288	1294	rBB2	2769	5621	1.25%	0.189%
31	9.890	1302	1310	1319	rBV2	6974	15214	3.39%	0.512%
32	9.957	1319	1321	1322	rBV	717	524	0.12%	0.018%
33	10.037	1327	1334	1341	rVV	46119	83448	18.58%	2.807%
34	10.098	1341	1344	1348	rVB2	668	841	0.19%	0.028%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM122618S.M
Title : VOC Analysis

35	10.189	1356	1359	1360	rBB	243	170	0.04%	0.006%
36	10.250	1360	1369	1374	rBV3	3208	6607	1.47%	0.222%
37	10.323	1374	1381	1388	rBV	167971	296838	66.10%	9.985%
38	10.390	1390	1392	1398	rVB3	1135	1333	0.30%	0.045%
39	10.439	1399	1400	1403	rVB2	375	263	0.06%	0.009%
40	10.476	1403	1406	1407	rBV2	304	301	0.07%	0.010%
41	10.506	1407	1411	1412	rBV2	296	248	0.06%	0.008%
42	10.518	1412	1413	1416	rVB	294	223	0.05%	0.008%
43	10.579	1416	1423	1432	rBV	32029	55584	12.38%	1.870%
44	10.707	1435	1444	1451	rBV	17668	30972	6.90%	1.042%
45	10.768	1451	1454	1461	rVB3	1029	2056	0.46%	0.069%
46	10.817	1461	1462	1463	rBV	242	143	0.03%	0.005%
47	10.847	1463	1467	1473	rVB3	1073	1580	0.35%	0.053%
48	10.927	1473	1480	1487	rBV	45457	74558	16.60%	2.508%
49	11.024	1494	1496	1497	rBV	325	187	0.04%	0.006%
50	11.067	1497	1503	1509	rVB2	11957	19745	4.40%	0.664%
51	11.110	1509	1510	1513	rBV3	317	324	0.07%	0.011%
52	11.140	1513	1515	1516	rVV2	327	212	0.05%	0.007%
53	11.177	1516	1521	1526	rVV3	1789	3148	0.70%	0.106%
54	11.244	1528	1532	1535	rBV4	433	879	0.20%	0.030%
55	11.305	1539	1542	1544	rVV2	343	509	0.11%	0.017%
56	11.347	1547	1549	1551	rVB2	565	399	0.09%	0.013%
57	11.439	1556	1564	1571	rBV	19733	34789	7.75%	1.170%
58	11.634	1589	1596	1605	rVB	167883	284526	63.36%	9.571%
59	11.847	1628	1631	1632	rVB2	677	704	0.16%	0.024%
60	11.859	1632	1633	1635	rBV2	490	422	0.09%	0.014%
61	11.939	1645	1646	1648	rBV	313	260	0.06%	0.009%
62	11.969	1650	1651	1652	rBV	414	270	0.06%	0.009%
63	12.030	1656	1661	1664	rBV6	909	1776	0.40%	0.060%
64	12.475	1731	1734	1737	rBV4	896	1059	0.24%	0.036%
65	12.573	1749	1750	1751	rBV	557	347	0.08%	0.012%
66	12.615	1751	1757	1762	rVV2	15837	28727	6.40%	0.966%
67	12.695	1764	1770	1782	rVB	67841	126893	28.26%	4.268%
68	12.938	1807	1810	1813	rBV3	3085	3830	0.85%	0.129%
69	13.255	1859	1862	1864	rBV4	746	1134	0.25%	0.038%
70	13.304	1866	1870	1874	rVB2	3456	5269	1.17%	0.177%
71	13.408	1886	1887	1891	rVB3	1641	1413	0.31%	0.048%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM122618S.M
Title : VOC Analysis

72	13.469	1893	1897	1903	rBV2	9153	15388	3.43%	0.518%
73	13.560	1906	1912	1919	rBV	182219	292523	65.14%	9.840%
74	13.768	1939	1946	1948	rBV3	5937	11394	2.54%	0.383%
75	13.859	1955	1961	1967	rVB	155497	254452	56.66%	8.559%
76	14.079	1992	1997	2010	rVB2	9159	18675	4.16%	0.628%
77	14.566	2075	2077	2079	rVB3	847	614	0.14%	0.021%
78	14.920	2133	2135	2136	rBV2	619	416	0.09%	0.014%
79	15.048	2155	2156	2158	rVB2	526	383	0.09%	0.013%
80	15.109	2162	2166	2167	rBV2	553	627	0.14%	0.021%
81	15.304	2196	2198	2200	rBV2	402	343	0.08%	0.012%
82	15.365	2205	2208	2210	rBV3	646	911	0.20%	0.031%
83	15.444	2218	2221	2228	rBV	1998	3424	0.76%	0.115%
84	15.694	2256	2262	2263	rBV2	543	620	0.14%	0.021%
85	15.755	2270	2272	2281	rVB3	1630	3300	0.73%	0.111%
86	15.907	2294	2297	2299	rVB2	375	395	0.09%	0.013%
87	15.938	2299	2302	2303	rBV	302	312	0.07%	0.010%
88	15.975	2305	2308	2311	rVB4	593	653	0.15%	0.022%
89	16.103	2326	2329	2330	rVB2	226	168	0.04%	0.006%
90	16.133	2332	2334	2336	rVB3	243	197	0.04%	0.007%
91	16.151	2336	2337	2340	rVB	365	260	0.06%	0.009%
92	16.176	2340	2341	2344	rVB	231	161	0.04%	0.005%
93	16.224	2344	2349	2350	rBV	281	256	0.06%	0.009%
94	16.249	2350	2353	2355	rBV	141	151	0.03%	0.005%
95	16.322	2362	2365	2368	rVB2	205	241	0.05%	0.008%
96	16.383	2373	2375	2381	rVB	139	219	0.05%	0.007%
97	16.450	2383	2386	2389	rBV	132	171	0.04%	0.006%
98	16.487	2389	2392	2393	rBV	214	181	0.04%	0.006%
99	16.602	2409	2411	2414	rBV	139	128	0.03%	0.004%
100	16.755	2434	2436	2439	rBV	147	152	0.03%	0.005%

Sum of corrected areas: 2972928

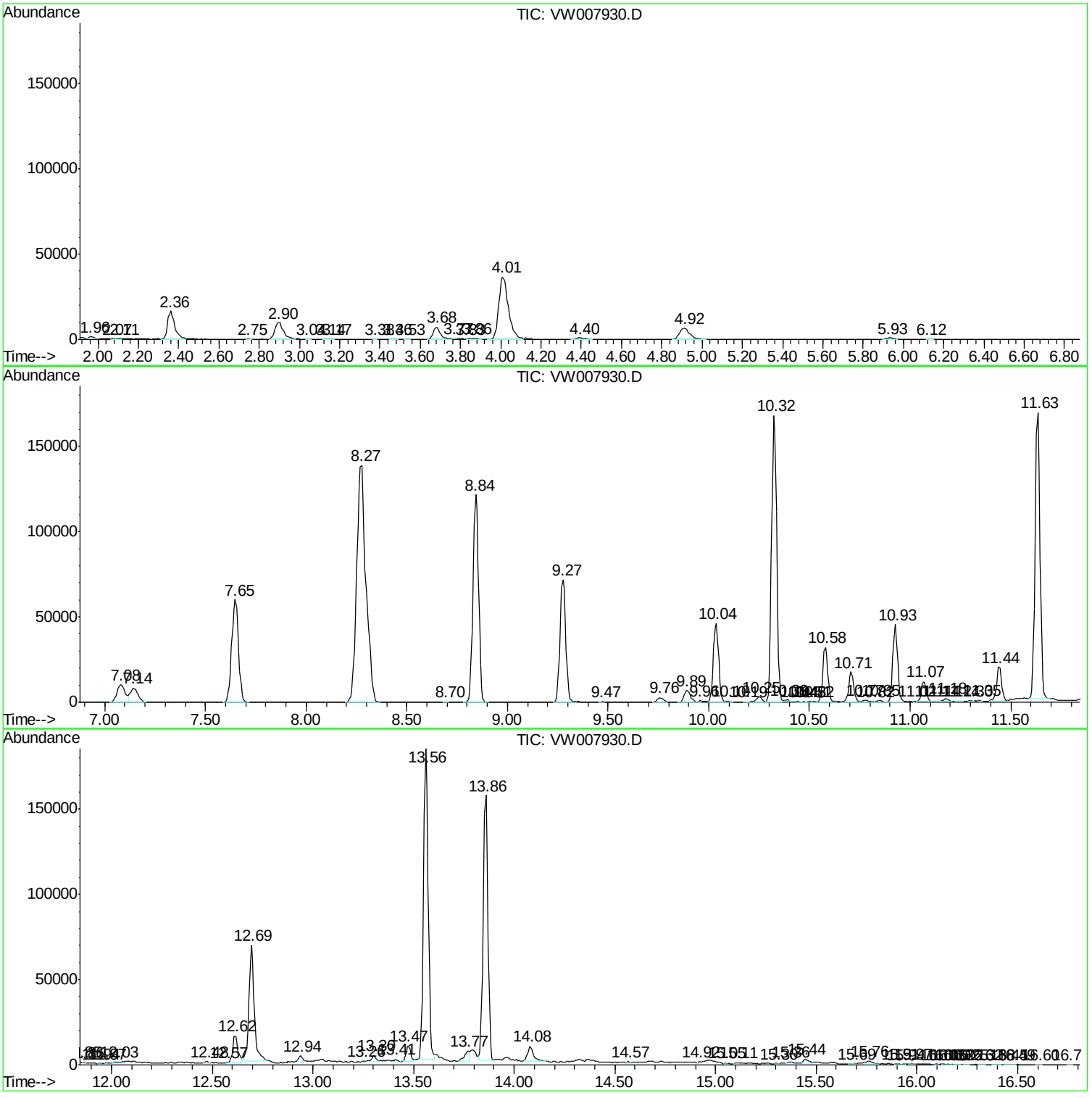
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

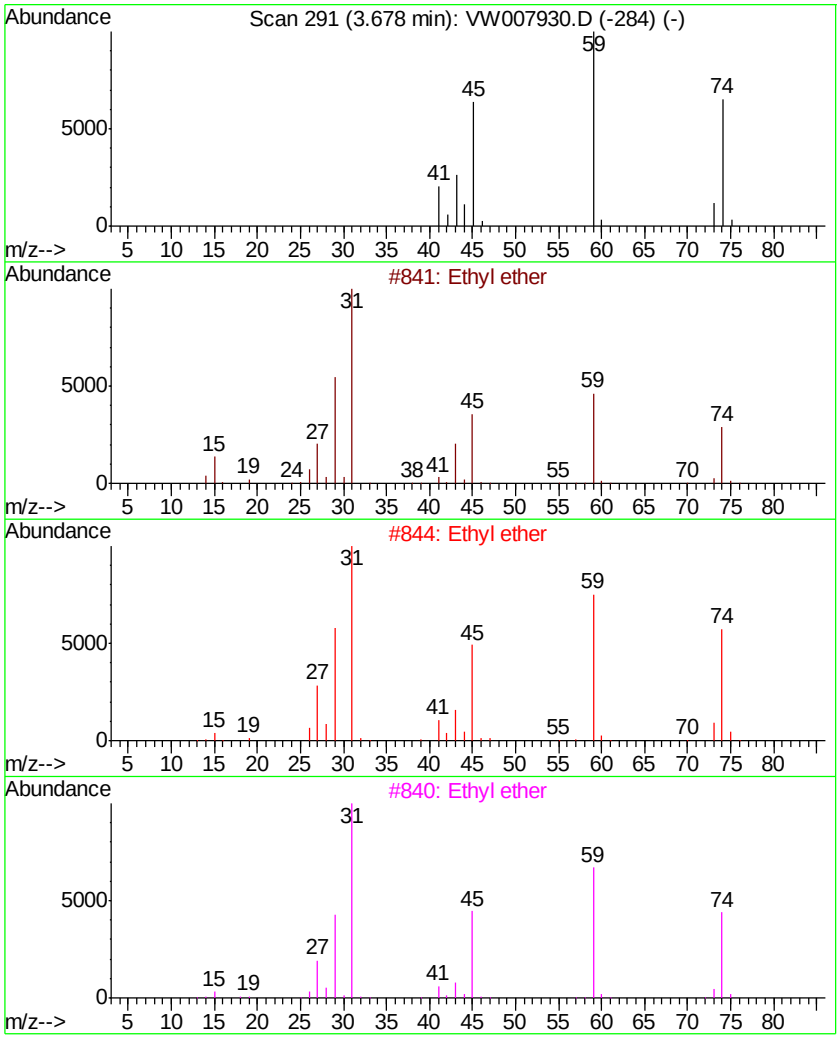
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

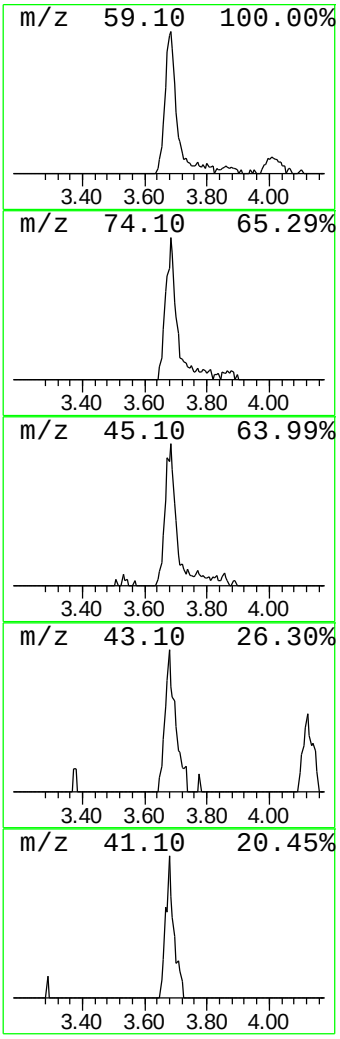
****

Peak Number 1 Ethyl ether Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.68	1.91 ug/L	18062	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	86
5	Hydrazine, trimethyl-	74	C3H10N2	001741-01-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

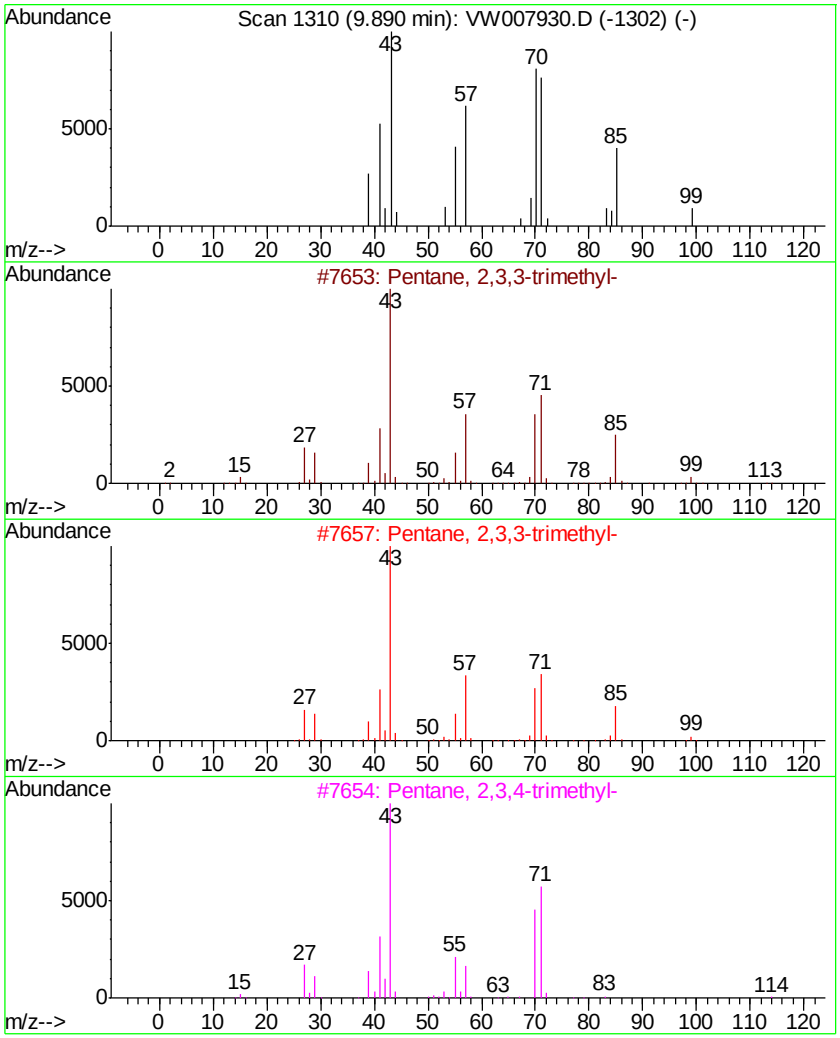
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

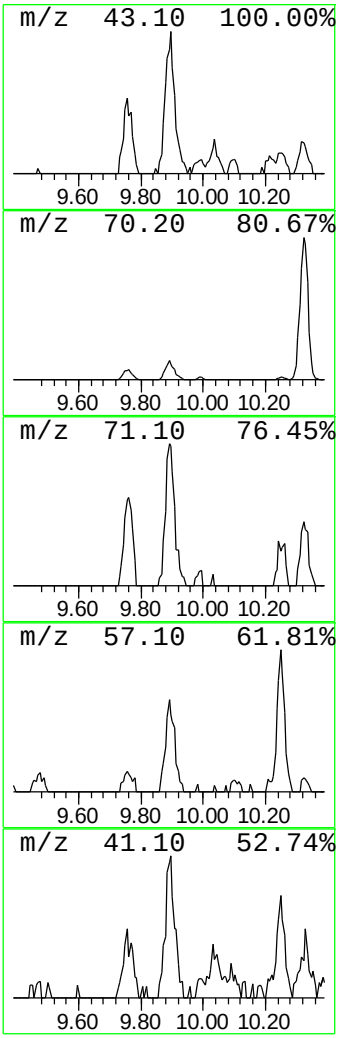
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	1.61 ug/L	15214	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

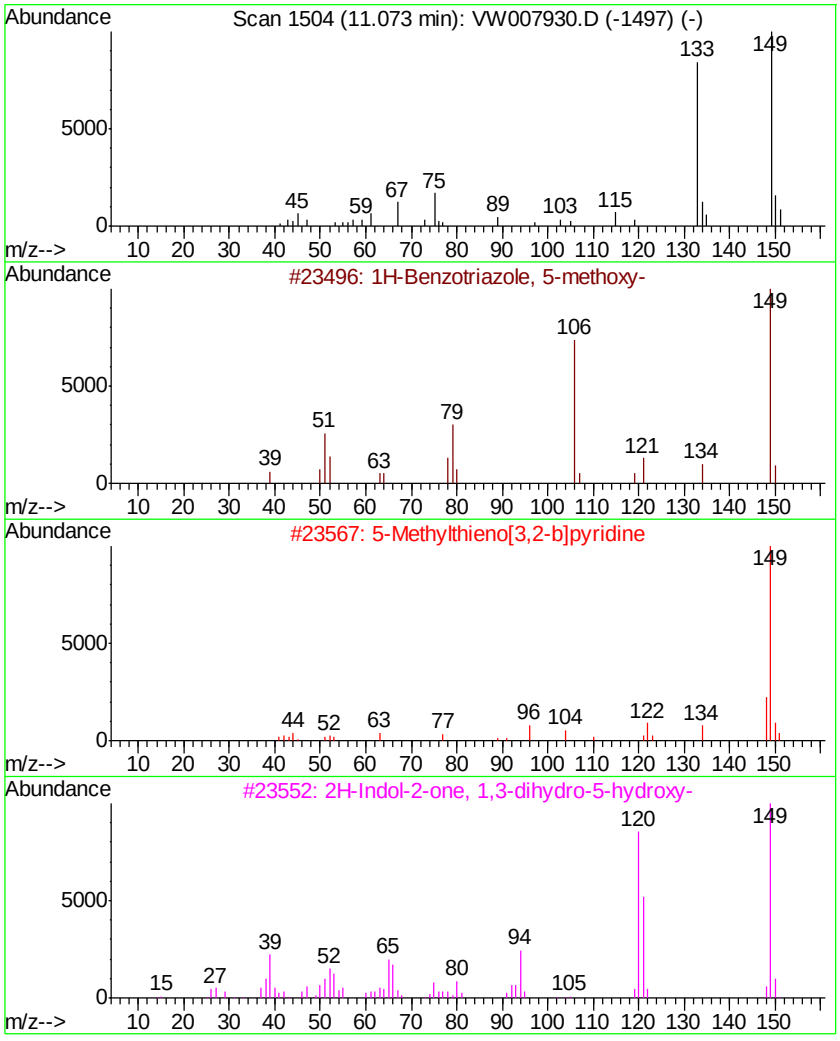
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

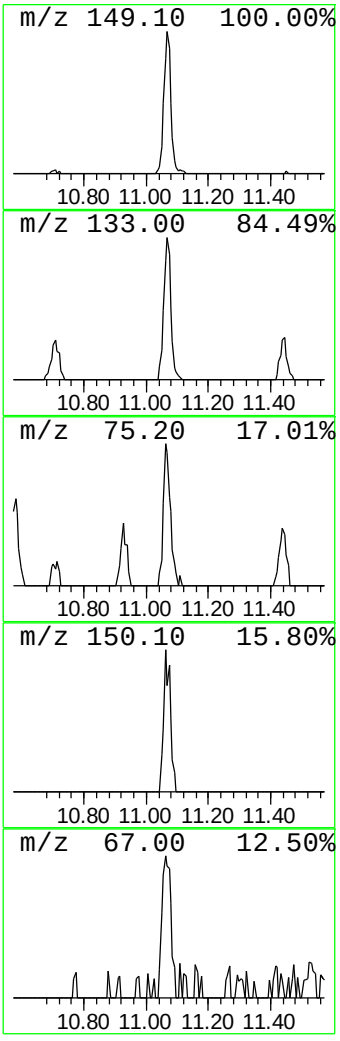
****

Peak Number 6 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.73 ug/L	19745	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methoxy-	149	C7H7N3O	027799-91-3	25
2	5-Methylthieno[3,2-b]pyridine	149	C8H7NS	001759-29-1	25
3	2H-Indol-2-one, 1,3-dihydro-5-hy...	149	C8H7NO2	003416-18-0	25
4	Silane, dodecyldiethoxymethyl-	302	C17H38O2Si	060317-40-0	25
5	Silane, diethoxymethyloctadecyl-	386	C23H50O2Si	067859-75-0	17





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

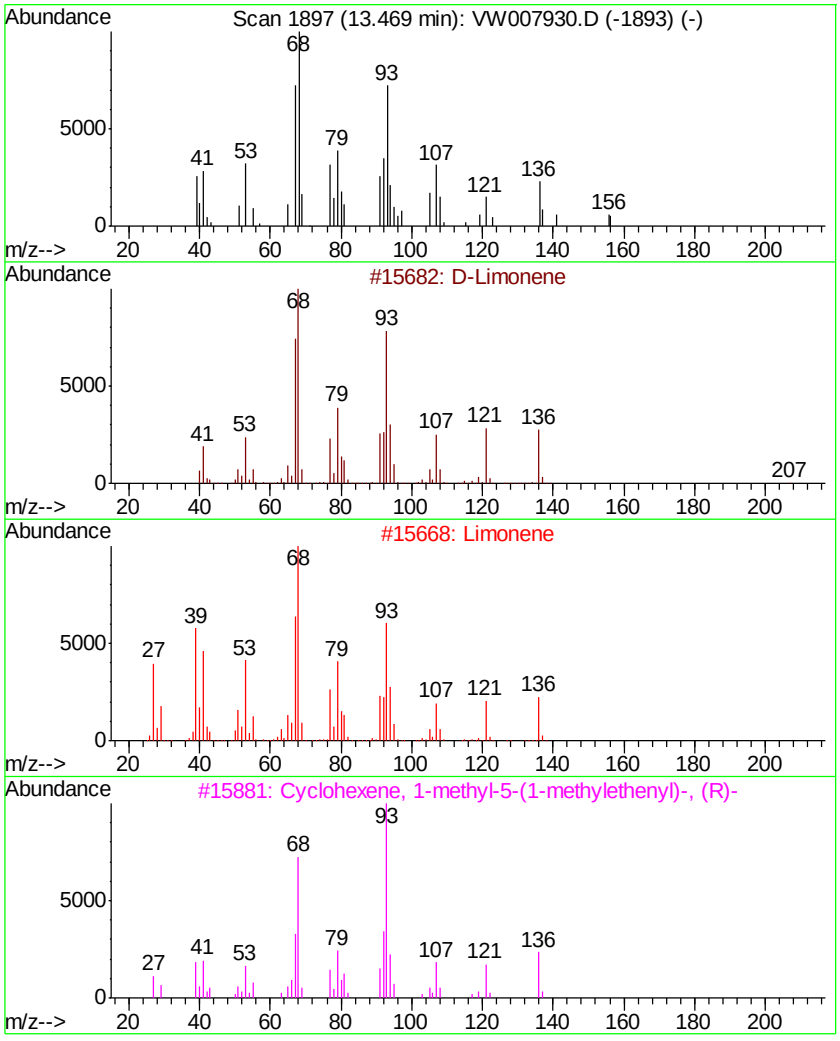
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

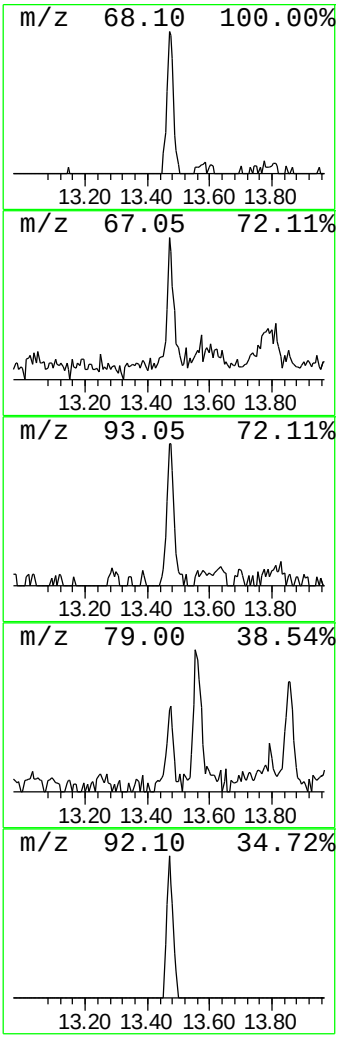
****

Peak Number 9 D-Limonene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	1.32 ug/L	15388	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	91
2	Limonene	136	C10H16	000138-86-3	86
3	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	001461-27-4	83
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	72
5	D-Limonene	136	C10H16	005989-27-5	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007930.D
Acq On : 26 Dec 2018 18:24
Operator : SY/AP
Sample : VIBLK82
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK82

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl ether	3.68	1.9	ug/L	18062	1	8.84	236354	25.0
(DEL) Alkane: Str...	9.89	1.6	ug/L	15214	1	8.84	236354	25.0
unknown-01	11.07	1.7	ug/L	19745	2	11.63	284526	25.0
D-Limonene	13.47	1.3	ug/L	15388	3	13.56	292523	25.0