LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009435.D
Acq On : 25 Mar 2019 18:56
Operator : SY/VA
Sample : K2044-01
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5T1

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\SOM2WLM031419S.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	3.867	319	322	327	rBV2	2353	3839	1.68%	0.223%
2	4.013	340	346	355	rVB2	27519	68519	30.07%	3.979%
3	4.281	387	390	391	rBV	2513	2810	1.23%	0.163%
4	4.824	477	479	481	rBV2	1274	1257	0.55%	0.073%
5	5.123	525	528	529	rBV	2128	2378	1.04%	0.138%
6	5.464	582	584	587	rVB2	1851	1864	0.82%	0.108%
7	5.568	600	601	604	rVV	3023	1973	0.87%	0.115%
8	5.592	604	605	612	rVB	1625	1349	0.59%	0.078%
9	5.665	614	617	618	rBV	1223	1596	0.70%	0.093%
10	5.757	630	632	633	rVB	2094	1316	0.58%	0.076%
11	5.793	637	638	641	rVV	2120	1490	0.65%	0.087%
12	5.830	643	644	646	rVB	2754	1392	0.61%	0.081%
13	5.854	646	648	649	rBV	1795	1514	0.66%	0.088%
14	6.013	672	674	679	rVB	1643	1455	0.64%	0.085%
15	6.049	679	680	683	rBV	1475	1449	0.64%	0.084%
16	6.122	690	692	695	rBV	1637	1625	0.71%	0.094%
17	6.305	720	722	724	rBV	1328	1172	0.51%	0.068%
18	6.433	742	743	746	rBV	1538	1539	0.68%	0.089%
19	6.555	761	763	764	rVB	1719	1252	0.55%	0.073%
20	6.568	764	765	768	rBV3	1384	1406	0.62%	0.082%
21	6.604	768	771	772	rBV	1795	2091	0.92%	0.121%
22	6.702	786	787	790	rBV	2034	1880	0.83%	0.109%
23	6.982	831	833	835	rBV	2070	1536	0.67%	0.089%
24	7.031	838	841	842	rBV2	1276	1549	0.68%	0.090%
25	7.086	843	850	854	rBV2	9750	24152	10.60%	1.403%
26	7.372	896	897	900	rBV2	1426	1458	0.64%	0.085%
27	7.452	907	910	912	rBV2	1585	1580	0.69%	0.092%
28	7.561	925	928	930	rVV	2091	2149	0.94%	0.125%
29	7.641	933	941	952	rVB	43237	114398	50.20%	6.644%
30	7.738	955	957	959	rVB	1435	1155	0.51%	0.067%
31	7.872	977	979	982	rVV2	1548	1286	0.56%	0.075%
32	7.909	983	985	988	rVB	1943	1767	0.78%	0.103%
33	7.939	988	990	994	rVB	1830	2040	0.90%	0.118%
34	8.153	1022	1025	1027	rVV	1741	2348	1.03%	0.136%

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Sample : K2044-01
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5T1

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\SOM2WLM031419S.M
Title : VOC Analysis

35	8.171	1027	1028	1031	rVV	2052	2045	0.90%	0.119%
36	8.275	1037	1045	1058	rVB3	72383	227873	100.00%	13.234%
37	8.415	1066	1068	1069	rBV	2154	1696	0.74%	0.098%
38	8.433	1069	1071	1074	rVB2	2369	2127	0.93%	0.124%
39	8.506	1081	1083	1087	rVB2	1949	1698	0.75%	0.099%
40	8.622	1098	1102	1106	rBV3	2212	3183	1.40%	0.185%
41	8.750	1122	1123	1128	rBV2	1308	1432	0.63%	0.083%
42	8.841	1130	1138	1147	rVB	72700	150694	66.13%	8.752%
43	8.915	1147	1150	1151	rBV	1621	1278	0.56%	0.074%
44	8.933	1151	1153	1155	rBV	1458	1554	0.68%	0.090%
45	9.024	1162	1168	1169	rBV	3330	4731	2.08%	0.275%
46	9.140	1186	1187	1190	rBV	1694	1296	0.57%	0.075%
47	9.274	1201	1209	1218	rVB2	58455	120744	52.99%	7.012%
48	9.390	1226	1228	1230	rBV	1472	1295	0.57%	0.075%
49	9.494	1241	1245	1246	rBV	1709	1727	0.76%	0.100%
50	9.512	1246	1248	1249	rBV	1813	1203	0.53%	0.070%
51	9.561	1253	1256	1259	rBV3	1408	1416	0.62%	0.082%
52	9.652	1269	1271	1272	rBV	1865	1396	0.61%	0.081%
53	9.744	1284	1286	1292	rVB4	1817	2638	1.16%	0.153%
54	9.927	1314	1316	1320	rVB	1272	1348	0.59%	0.078%
55	10.036	1328	1334	1343	rBV2	28098	51670	22.67%	3.001%
56	10.201	1359	1361	1363	rBV	1711	1545	0.68%	0.090%
57	10.323	1374	1381	1388	rBV	82159	152018	66.71%	8.829%
58	10.579	1417	1423	1431	rBV3	19905	36065	15.83%	2.095%
59	10.640	1431	1433	1434	rBV	1934	1386	0.61%	0.080%
60	10.701	1441	1443	1446	rVB	1702	1851	0.81%	0.107%
61	10.859	1461	1469	1474	rBV7	3006	7243	3.18%	0.421%
62	10.927	1475	1480	1490	rVB	33457	61778	27.11%	3.588%
63	11.036	1496	1498	1500	rBV	1664	1520	0.67%	0.088%
64	11.140	1513	1515	1516	rVB	2822	1700	0.75%	0.099%
65	11.164	1516	1519	1520	rBV	1434	1728	0.76%	0.100%
66	11.256	1529	1534	1535	rBV2	1659	2521	1.11%	0.146%
67	11.634	1590	1596	1602	rVB	104895	174029	76.37%	10.107%
68	11.762	1614	1617	1620	rBV2	1155	1659	0.73%	0.096%
69	11.804	1620	1624	1627	rVV3	1151	1780	0.78%	0.103%
70	11.914	1639	1642	1645	rVV2	1497	1997	0.88%	0.116%
71	11.993	1653	1655	1656	rBV2	1881	1964	0.86%	0.114%

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Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5T1

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Title : VOC Analysis

72	12.042	1659	1663	1665	rVB2	2441	3273	1.44%	0.190%
73	12.067	1665	1667	1668	rBV	1809	1345	0.59%	0.078%
74	12.121	1674	1676	1679	rVB2	1516	1190	0.52%	0.069%
75	12.158	1679	1682	1684	rVB	1413	1550	0.68%	0.090%
76	12.317	1705	1708	1710	rVB	2313	1854	0.81%	0.108%
77	12.432	1725	1727	1732	rVB	1891	1970	0.86%	0.114%
78	12.524	1740	1742	1746	rVB	2426	3141	1.38%	0.182%
79	12.560	1746	1748	1749	rBV	1684	1585	0.70%	0.092%
80	12.694	1764	1770	1775	rBV	57356	98576	43.26%	5.725%
81	12.804	1785	1788	1790	rVB2	1664	1844	0.81%	0.107%
82	12.883	1799	1801	1802	rBV	1826	1251	0.55%	0.073%
83	12.969	1813	1815	1818	rVB2	2366	1607	0.71%	0.093%
84	12.999	1818	1820	1823	rBV	1842	1715	0.75%	0.100%
85	13.030	1823	1825	1828	rVB	2802	2527	1.11%	0.147%
86	13.060	1828	1830	1831	rBV	1603	1394	0.61%	0.081%
87	13.091	1834	1835	1839	rVB2	2620	2646	1.16%	0.154%
88	13.133	1839	1842	1843	rBV	2184	2318	1.02%	0.135%
89	13.170	1846	1848	1850	rVV2	1644	2005	0.88%	0.116%
90	13.200	1850	1853	1859	rVV6	3858	6923	3.04%	0.402%
91	13.353	1876	1878	1880	rVB2	1765	1301	0.57%	0.076%
92	13.414	1880	1888	1894	rBV6	8142	19245	8.45%	1.118%
93	13.560	1907	1912	1917	rBV	78738	122472	53.75%	7.113%
94	13.761	1942	1945	1947	rBV2	3832	5351	2.35%	0.311%
95	13.859	1954	1961	1967	rBV2	76835	129651	56.90%	7.530%
96	13.993	1982	1983	1986	rBV	1623	1298	0.57%	0.075%
97	14.371	2043	2045	2047	rBV2	2787	3343	1.47%	0.194%
98	14.536	2071	2072	2074	rBV	2389	1835	0.81%	0.107%
99	14.633	2087	2088	2090	rBV	2147	1223	0.54%	0.071%
100	16.657	2417	2420	2421	rBV2	2938	3040	1.33%	0.177%

Sum of corrected areas: 1721885

LSC Report - Integrated Chromatogram

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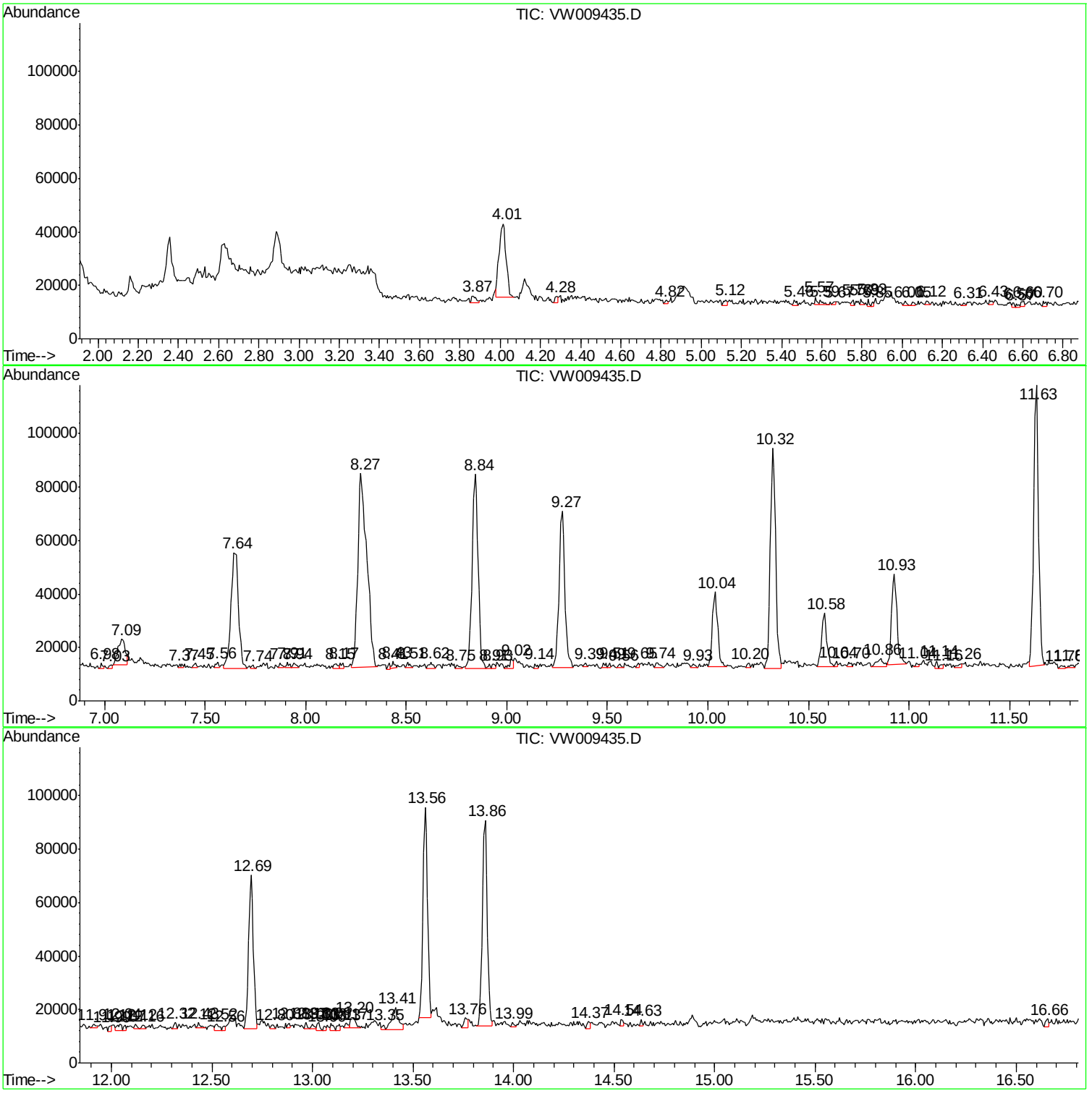
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5T1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009435.D
Acq On : 25 Mar 2019 18:56
Operator : SY/VA
Sample : K2044-01
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5T1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

****

Peak Number 1 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	1.41 ug/L	6923	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	37
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	25
3	5-Methyl-2-hexanol, chlorodifluo...	228	C9H15ClF2O2	1000376-27-1	23
4	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	9
5	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	9

****

Peak Number 2 Sulfurous acid, butyl nonyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.93 ug/L	19245	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
2	Tetradecane	198	C14H30	000629-59-4	47
3	10-Methylnonadecane	282	C20H42	056862-62-5	47
4	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	47
5	Tetracosane	338	C24H50	000646-31-1	47

Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.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
unknown-01	13.20	1.4	ug/L	6923	3	13.56	122472	25.0
Sulfurous acid, b...	13.41	3.9	ug/L	19245	3	13.56	122472	25.0