LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

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\SOM2WLM122719S.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	1.959	5	9	14	rBV4	15189	24045	0.67%	0.084%
2	2.154	37	41	44	rBV	6292	12251	0.34%	0.043%
3	2.349	65	73	83	rBV	316092	552710	15.35%	1.939%
4	2.489	92	96	105	rBV	11767	21354	0.59%	0.075%
5	2.885	154	161	175	rBV	199037	474383	13.17%	1.664%
6	3.282	224	226	237	rVB6	2809	6835	0.19%	0.024%
7	3.385	237	243	247	rBV5	3580	8904	0.25%	0.031%
8	3.532	262	267	273	rBV3	3045	6264	0.17%	0.022%
9	3.836	313	317	319	rBV4	940	1102	0.03%	0.004%
10	4.013	335	346	358	rBV	412471	1293933	35.93%	4.539%
11	4.379	399	406	417	rVV4	6724	21300	0.59%	0.075%
12	4.751	463	467	468	rBV4	784	962	0.03%	0.003%
13	4.824	476	479	480	rVB2	870	837	0.02%	0.003%
14	4.915	480	494	514	rBV3	37934	148994	4.14%	0.523%
15	5.123	519	528	529	rBV4	889	1759	0.05%	0.006%
16	5.787	625	637	649	rVB7	4676	17850	0.50%	0.063%
17	5.927	653	660	661	rBV4	5144	8584	0.24%	0.030%
18	6.086	680	686	688	rBV3	739	1374	0.04%	0.005%
19	6.318	721	724	728	rBV3	864	1231	0.03%	0.004%
20	6.775	796	799	802	rVB2	874	1184	0.03%	0.004%
21	6.818	802	806	810	rBV3	691	1258	0.03%	0.004%
22	6.903	810	820	826	rBV7	4293	14021	0.39%	0.049%
23	6.988	830	834	836	rBV2	1134	1708	0.05%	0.006%
24	7.074	839	848	853	rBV	112703	306121	8.50%	1.074%
25	7.269	878	880	886	rVB5	1721	2715	0.08%	0.010%
26	7.494	914	917	919	rBV2	945	1008	0.03%	0.004%
27	7.531	919	923	924	rVV5	1361	1931	0.05%	0.007%
28	7.543	924	925	928	rVV2	1881	1690	0.05%	0.006%
29	7.647	931	942	955	rVV	574558	1426724	39.61%	5.005%
30	7.842	970	974	978	rBV4	751	1589	0.04%	0.006%
31	7.951	986	992	999	rVB8	4153	10195	0.28%	0.036%
32	8.275	1034	1045	1063	rBV2	1205021	3601482	100.00%	12.635%
33	8.457	1074	1075	1078	rBV3	1212	1122	0.03%	0.004%
34	8.531	1085	1087	1088	rBV2	1071	1088	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

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\SOM2WLM122719S.M
Title : VOC Analysis

35	8.665	1108	1109	1111	rBV2	1055	1069	0.03%	0.004%
36	8.701	1111	1115	1121	rVV5	3663	7604	0.21%	0.027%
37	8.842	1128	1138	1148	rBV	1258266	2444667	67.88%	8.577%
38	9.079	1165	1177	1182	rVV7	9648	25149	0.70%	0.088%
39	9.274	1198	1209	1225	rVV	802076	1684739	46.78%	5.911%
40	9.409	1225	1231	1244	rVB3	23829	66586	1.85%	0.234%
41	9.537	1251	1252	1255	rBV3	825	976	0.03%	0.003%
42	9.585	1258	1260	1265	rVV3	1347	2117	0.06%	0.007%
43	9.658	1265	1272	1278	rVV6	4257	8953	0.25%	0.031%
44	10.030	1324	1333	1343	rBV	395695	725274	20.14%	2.544%
45	10.213	1356	1363	1371	rBV3	5628	12780	0.35%	0.045%
46	10.323	1371	1381	1387	rBV	1614822	2834397	78.70%	9.944%
47	10.384	1387	1391	1404	rVB	281808	504658	14.01%	1.770%
48	10.488	1406	1408	1410	rBV3	1530	1450	0.04%	0.005%
49	10.579	1415	1423	1434	rBV	248452	443146	12.30%	1.555%
50	10.707	1437	1444	1447	rBV	38772	73662	2.05%	0.258%
51	10.920	1473	1479	1497	rBV	423024	723692	20.09%	2.539%
52	11.067	1497	1503	1513	rBV2	199728	352309	9.78%	1.236%
53	11.177	1518	1521	1525	rVB5	4011	6286	0.17%	0.022%
54	11.341	1546	1548	1552	rVB4	1331	1484	0.04%	0.005%
55	11.439	1555	1564	1572	rVB	12934	25891	0.72%	0.091%
56	11.628	1587	1595	1606	rBV	1492834	2529713	70.24%	8.875%
57	11.731	1608	1612	1618	rVB4	6662	12670	0.35%	0.044%
58	11.835	1620	1629	1634	rBV2	17498	40806	1.13%	0.143%
59	11.957	1645	1649	1652	rBV6	1550	2692	0.07%	0.009%
60	12.018	1652	1659	1665	rVV	47805	84529	2.35%	0.297%
61	12.158	1677	1682	1690	rBV5	15979	35433	0.98%	0.124%
62	12.237	1690	1695	1702	rBV	14085	25032	0.70%	0.088%
63	12.341	1706	1712	1717	rBV	25874	41632	1.16%	0.146%
64	12.463	1729	1732	1738	rBV8	2464	3622	0.10%	0.013%
65	12.554	1744	1747	1750	rBV4	1395	2608	0.07%	0.009%
66	12.609	1750	1756	1762	rVB	45702	76349	2.12%	0.268%
67	12.688	1762	1769	1777	rBV	561006	936624	26.01%	3.286%
68	12.762	1777	1781	1786	rVB5	3397	5683	0.16%	0.020%
69	12.890	1793	1802	1805	rBV4	20916	41515	1.15%	0.146%
70	12.932	1805	1809	1818	rVV2	27451	51741	1.44%	0.182%
71	13.042	1822	1827	1830	rVV2	15622	24608	0.68%	0.086%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

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\SOM2WLM122719S.M
Title : VOC Analysis

72	13.079	1830	1833	1840	rVV7	11952	28628	0.79%	0.100%
73	13.152	1841	1845	1848	rVV5	6556	11422	0.32%	0.040%
74	13.207	1852	1854	1857	rVV3	9377	13938	0.39%	0.049%
75	13.249	1857	1861	1865	rVV2	18302	35175	0.98%	0.123%
76	13.292	1865	1868	1873	rVB4	12779	22592	0.63%	0.079%
77	13.396	1879	1885	1892	rBV2	49615	84225	2.34%	0.295%
78	13.475	1894	1898	1904	rVB9	4713	10066	0.28%	0.035%
79	13.554	1905	1911	1920	rBV	1079852	1758408	48.82%	6.169%
80	13.646	1920	1926	1940	rVV	511609	776237	21.55%	2.723%
81	13.755	1941	1944	1947	rBV4	5878	9809	0.27%	0.034%
82	13.853	1953	1960	1970	rBV	950477	1574880	43.73%	5.525%
83	14.017	1983	1987	1992	rBV3	30968	53871	1.50%	0.189%
84	14.066	1992	1995	2005	rVB3	37328	77785	2.16%	0.273%
85	14.213	2013	2019	2025	rBV10	8691	22632	0.63%	0.079%
86	14.322	2031	2037	2045	rBV	158435	253210	7.03%	0.888%
87	14.456	2056	2059	2062	rBV	14665	18776	0.52%	0.066%
88	14.523	2067	2070	2076	rVB	32268	42734	1.19%	0.150%
89	14.725	2100	2103	2108	rVB4	11816	18350	0.51%	0.064%
90	14.792	2109	2114	2122	rVV2	33647	76818	2.13%	0.269%
91	14.865	2122	2126	2134	rVB5	26948	48680	1.35%	0.171%
92	14.956	2136	2141	2147	rVB2	28677	46558	1.29%	0.163%
93	15.176	2172	2177	2187	rBV8	26601	66573	1.85%	0.234%
94	15.286	2191	2195	2198	rBV3	10240	16436	0.46%	0.058%
95	15.365	2202	2208	2215	rVB	235816	413003	11.47%	1.449%
96	15.438	2215	2220	2225	rBV3	47196	90464	2.51%	0.317%
97	15.651	2251	2255	2260	rBV5	10651	22463	0.62%	0.079%
98	15.724	2265	2267	2272	rVB6	6189	9028	0.25%	0.032%
99	16.444	2378	2385	2398	rVB	162231	377502	10.48%	1.324%
100	16.645	2409	2418	2427	rBV	317037	683232	18.97%	2.397%

Sum of corrected areas: 28504149

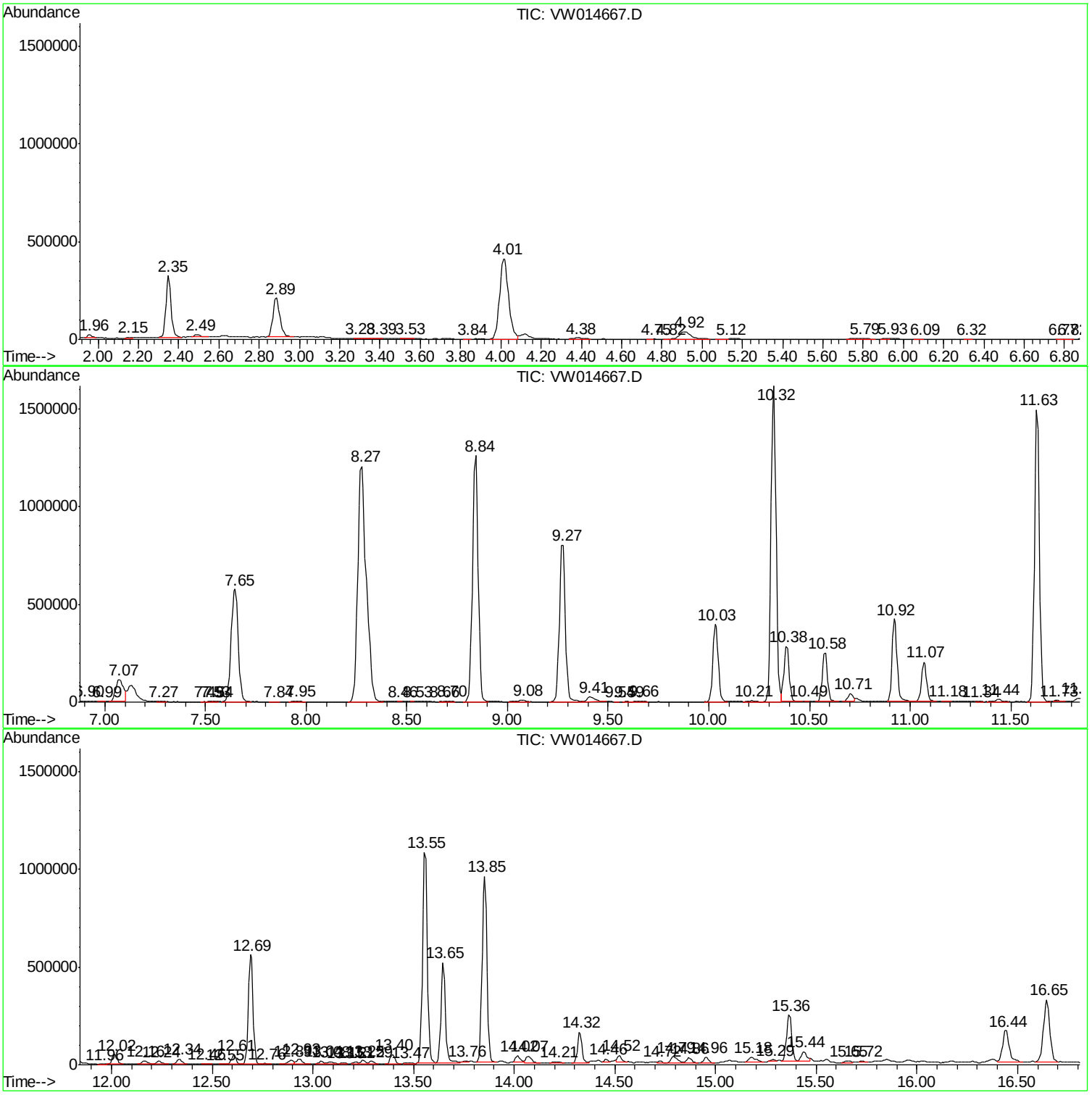
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

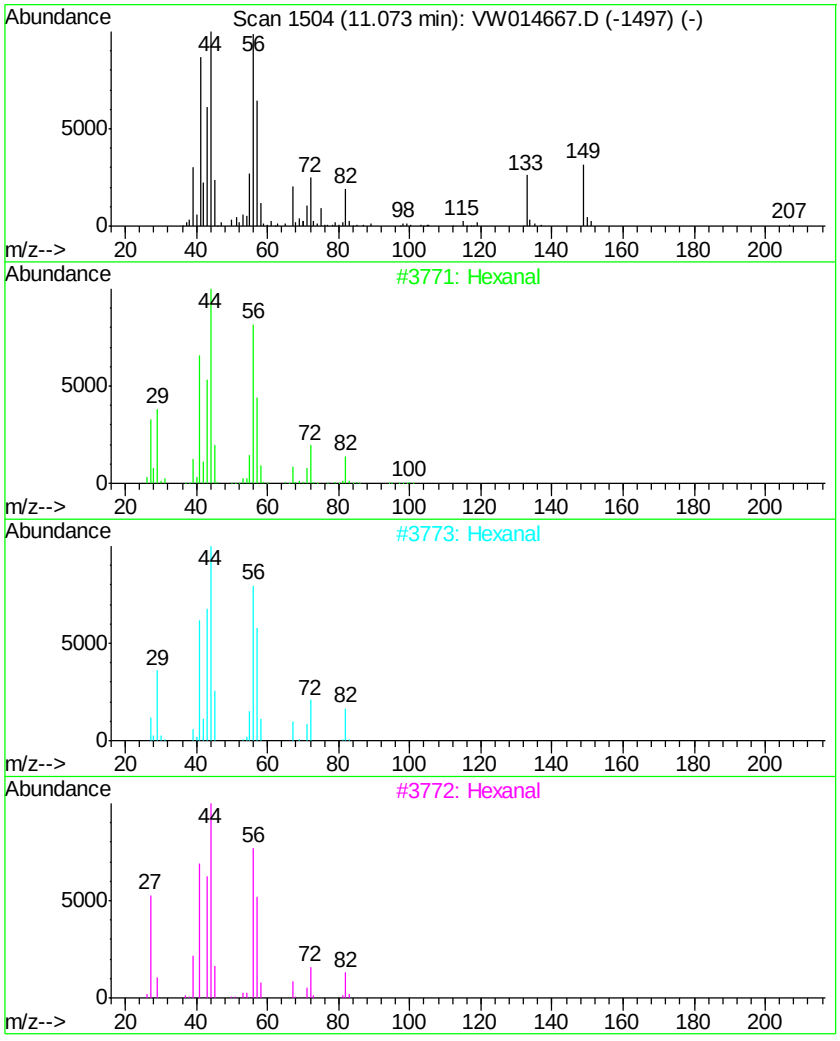
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

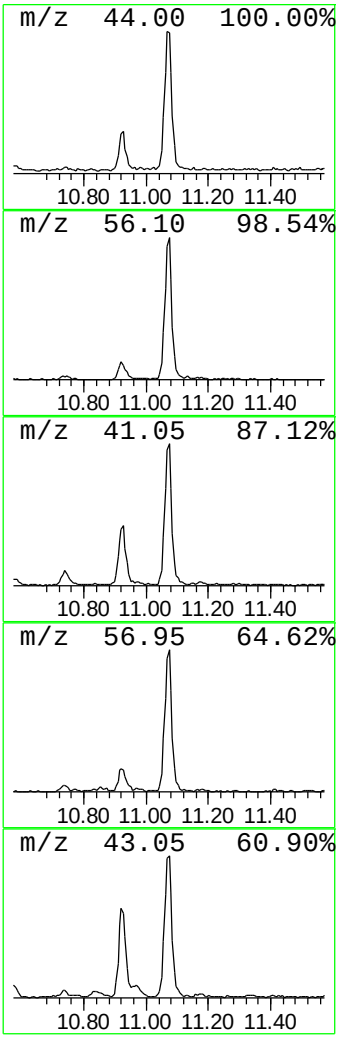
****

Peak Number 2 Hexanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	3.48 ug/L	352309	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	50
2	Hexanal	100	C6H12O	000066-25-1	49
3	Hexanal	100	C6H12O	000066-25-1	47
4	Hexanal	100	C6H12O	000066-25-1	47
5	Urea, trimethyl-	102	C4H10N2O	000632-14-4	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

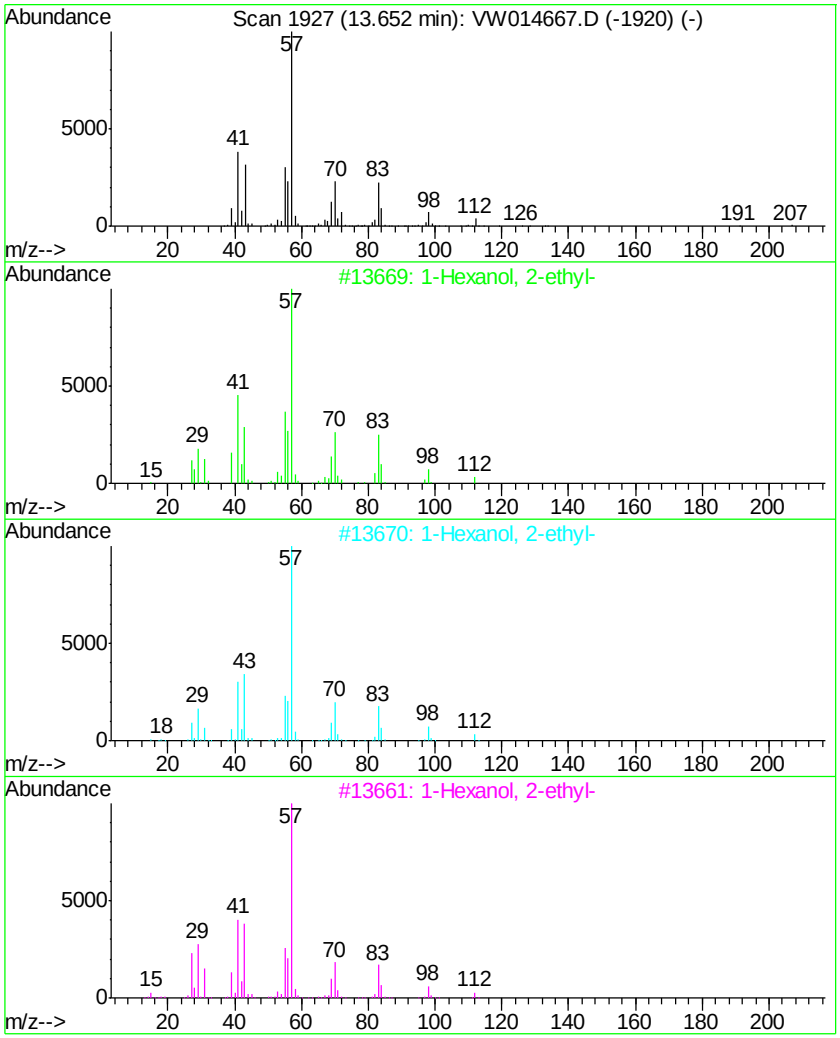
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

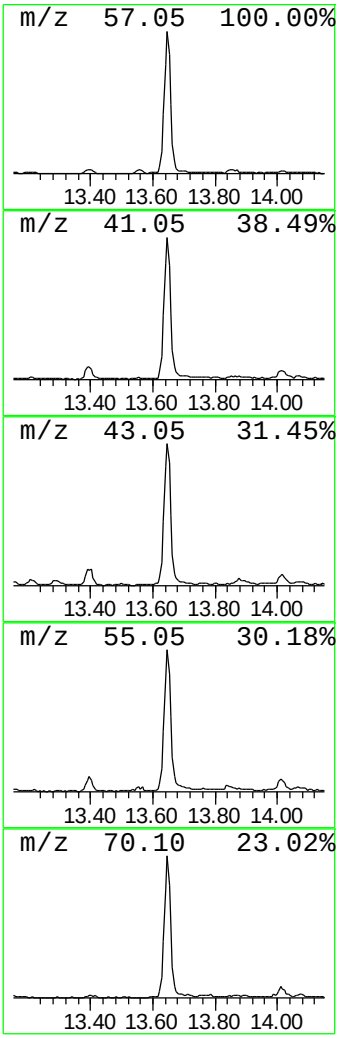
****

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	11.04 ug/L	776237	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

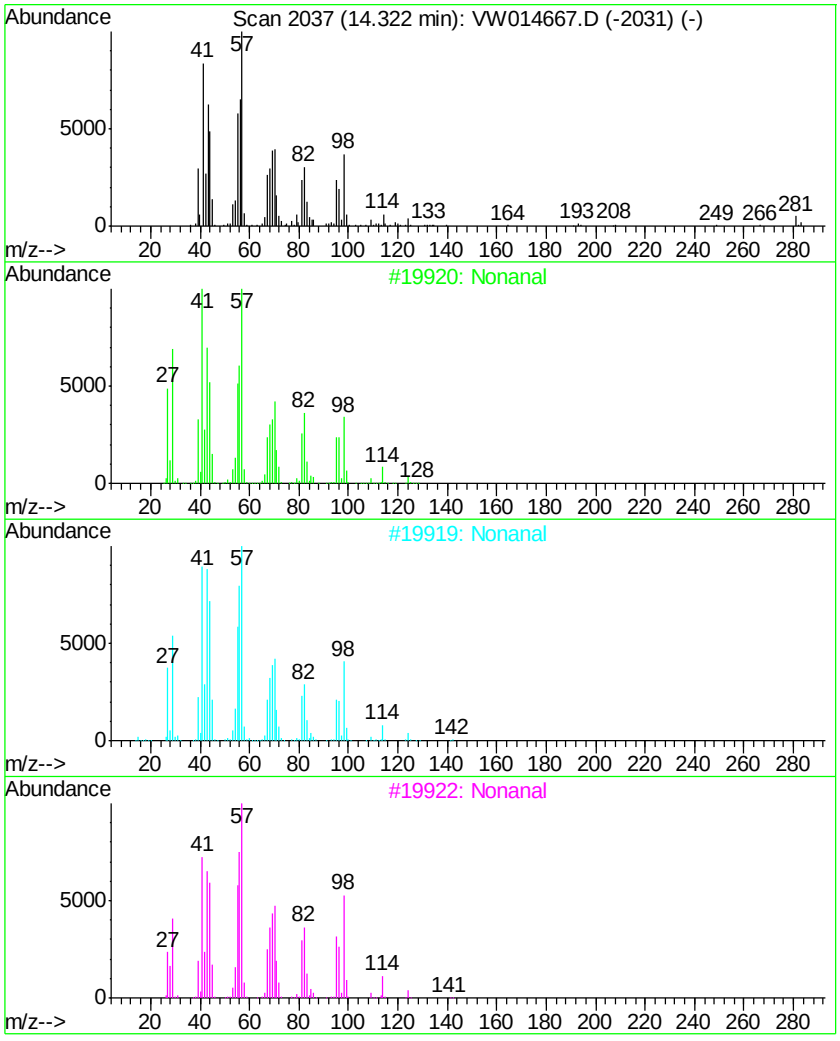
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

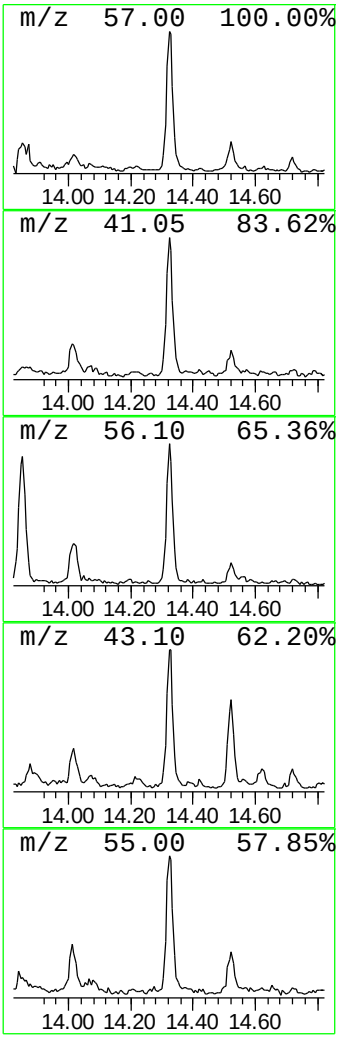
****

Peak Number 4 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	3.60 ug/L	253210	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	90
3	Nonanal	142	C9H18O	000124-19-6	83
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	35
5	Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

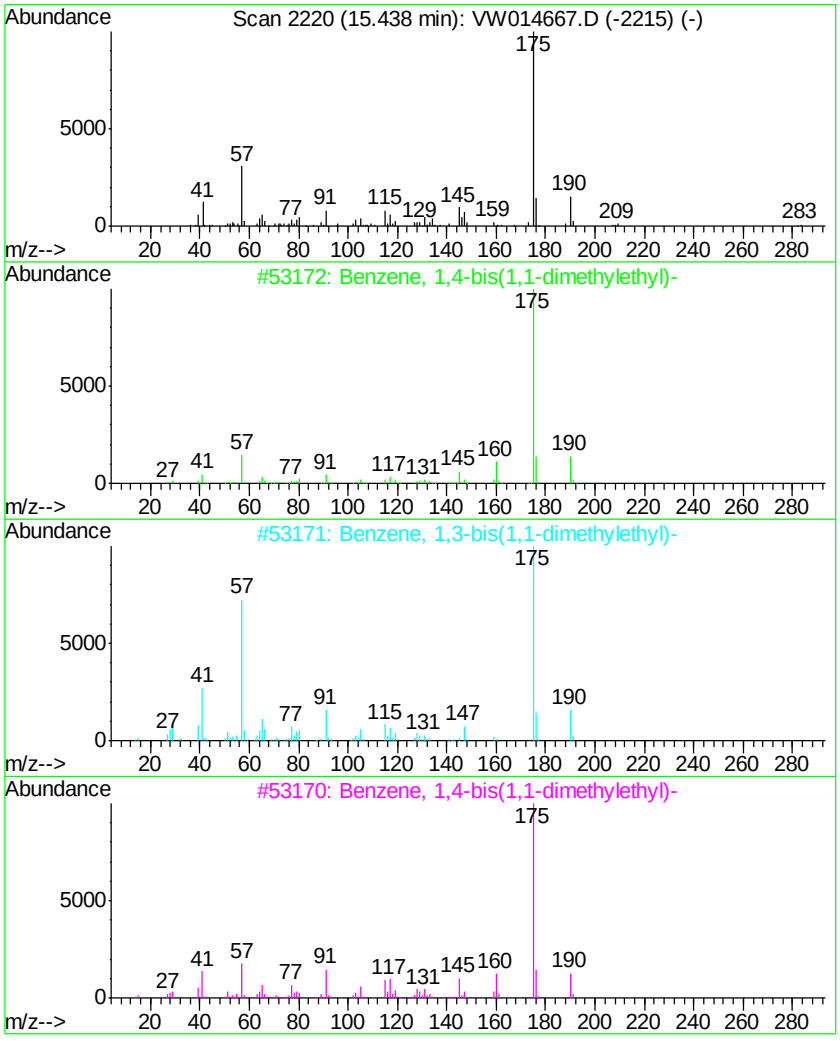
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

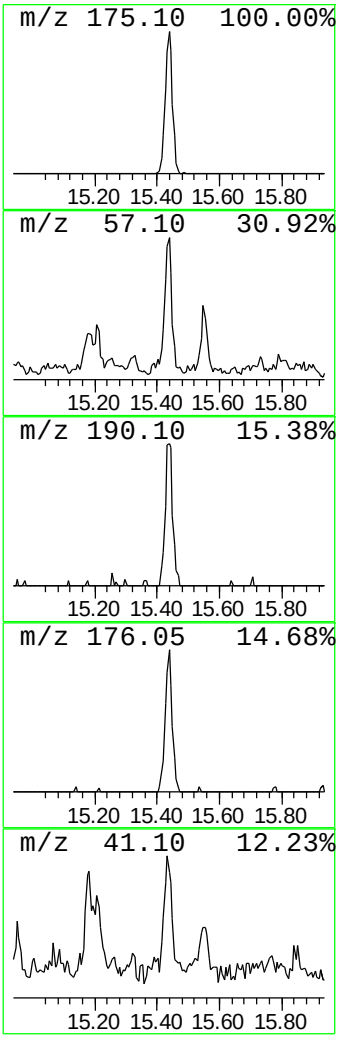
****

Peak Number 6 Benzene, 1,4-bis(1,1-dimeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	1.29 ug/L	90464	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	87
2	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	81
3	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	80
4	m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	72
5	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

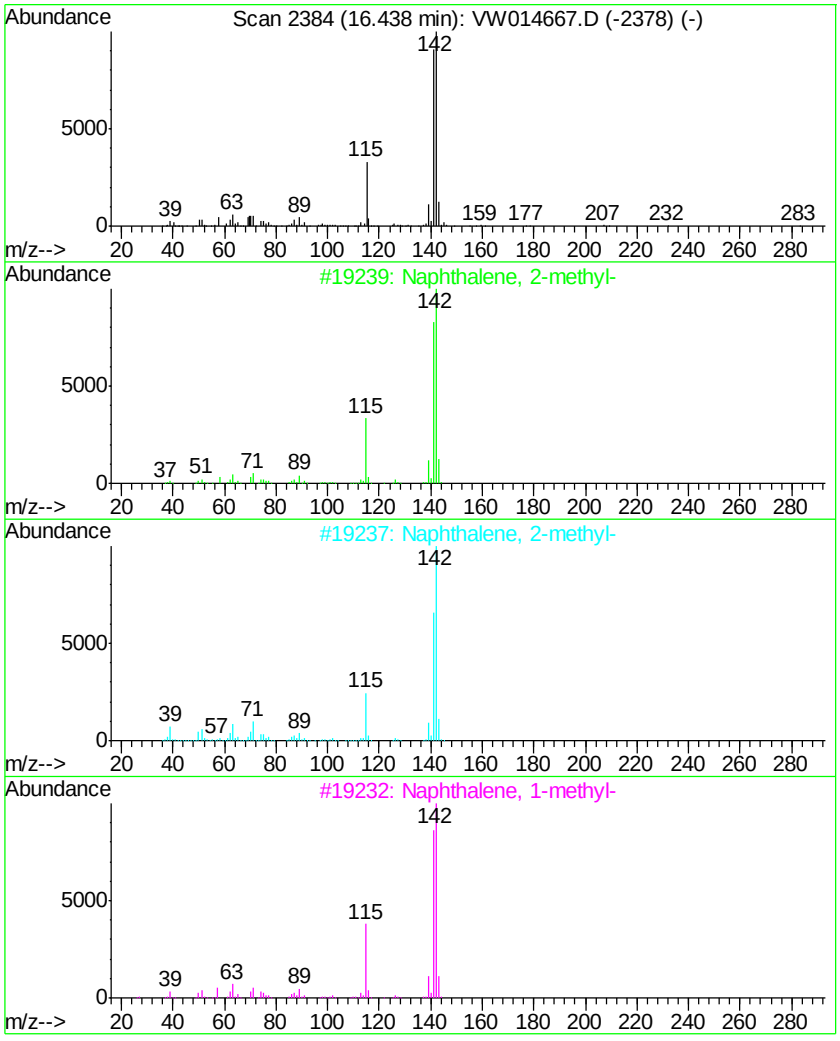
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

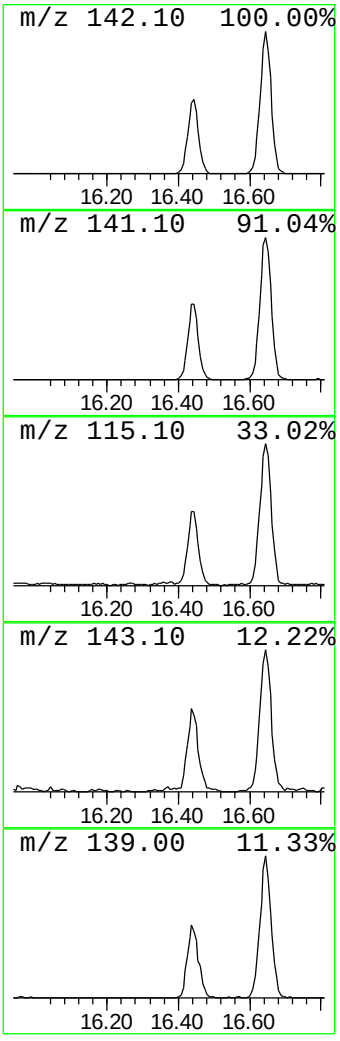
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	5.37 ug/L	377502	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011620\
Data File : VW014667.D
Acq On : 16 Jan 2020 12:43
Operator : SY/VA
Sample : L1118-09
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASK0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.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
Hexanal	11.07	3.5	ug/L	352309	2	11.63	2529710	25.0
1-Hexanol, 2-ethyl-	13.65	11.0	ug/L	776237	3	13.56	1758410	25.0
Nonanal	14.32	3.6	ug/L	253210	3	13.56	1758410	25.0
Benzene, 1,4-bis(...	15.44	1.3	ug/L	90464	3	13.56	1758410	25.0
Naphthalene, 1-me...	16.44	5.4	ug/L	377502	3	13.56	1758410	25.0