LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
Operator : SY/MD
Sample : K3016-07
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

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_V\METHOD\SOM2VLM052819S.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	1.315	63	70	76	rVB	271370	245932	13.15%	1.715%
2	1.386	87	92	101	rBV	50178	48195	2.58%	0.336%
3	1.563	141	147	156	rVB	182677	212090	11.34%	1.479%
4	2.119	312	320	332	rVB	430450	609773	32.60%	4.253%
5	2.190	335	342	351	rVB	66898	94959	5.08%	0.662%
6	2.991	585	591	601	rVB5	5154	8764	0.47%	0.061%
7	3.457	729	736	740	rBV8	1447	1792	0.10%	0.012%
8	3.521	752	756	758	rBV3	1252	889	0.05%	0.006%
9	3.557	762	767	770	rVV6	1743	1671	0.09%	0.012%
10	3.573	770	772	778	rVB6	1538	1243	0.07%	0.009%
11	3.605	778	782	788	rBV9	2074	2091	0.11%	0.015%
12	3.756	814	829	843	rBV5	12775	35962	1.92%	0.251%
13	3.936	874	885	903	rBV	89782	216554	11.58%	1.510%
14	4.132	943	946	949	rBV5	1194	894	0.05%	0.006%
15	4.245	978	981	983	rBV3	1490	994	0.05%	0.007%
16	4.396	1009	1028	1050	rBV	304006	734026	39.25%	5.120%
17	4.843	1165	1167	1172	rVB6	1645	1001	0.05%	0.007%
18	4.875	1172	1177	1181	rBV8	1191	1374	0.07%	0.010%
19	4.978	1207	1209	1216	rVB8	1368	1056	0.06%	0.007%
20	5.010	1216	1219	1220	rBV3	1499	917	0.05%	0.006%
21	5.090	1226	1244	1277	rBV2	755737	1870197	100.00%	13.044%
22	5.373	1323	1332	1349	rVB6	10392	23688	1.27%	0.165%
23	5.515	1373	1376	1378	rBV3	1639	907	0.05%	0.006%
24	5.659	1408	1421	1456	rBV	501574	1029731	55.06%	7.182%
25	5.945	1499	1510	1512	rBV	3349	3941	0.21%	0.027%
26	6.116	1548	1563	1590	rBV	433658	882688	47.20%	6.157%
27	6.328	1620	1629	1651	rBV	62595	122413	6.55%	0.854%
28	6.544	1694	1696	1700	rVB4	1435	898	0.05%	0.006%
29	6.621	1714	1720	1722	rBV5	1090	1130	0.06%	0.008%
30	6.701	1742	1745	1756	rVB9	3085	4590	0.25%	0.032%
31	6.855	1788	1793	1795	rBV5	1613	1364	0.07%	0.010%
32	6.878	1795	1800	1804	rVB8	1488	1661	0.09%	0.012%
33	7.026	1829	1846	1864	rBV	265513	473821	25.34%	3.305%
34	7.177	1889	1893	1895	rBV4	2574	2271	0.12%	0.016%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
Operator : SY/MD
Sample : K3016-07
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

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_V\METHOD\SOM2VLM052819S.M
Title : VOC Analysis

35	7.280	1924	1925	1933	rVB7	1595	1293	0.07%	0.009%
36	7.357	1933	1949	1984	rBV	855166	1554148	83.10%	10.840%
37	7.662	2032	2044	2060	rBV	176432	293214	15.68%	2.045%
38	7.920	2122	2124	2128	rBV5	1429	1195	0.06%	0.008%
39	7.981	2130	2143	2151	rBV3	13527	23611	1.26%	0.165%
40	8.132	2176	2190	2206	rBV	339564	590833	31.59%	4.121%
41	8.280	2225	2236	2263	rVB	534218	868310	46.43%	6.056%
42	8.656	2350	2353	2355	rVV3	1496	869	0.05%	0.006%
43	8.839	2406	2410	2411	rBV3	1152	870	0.05%	0.006%
44	8.894	2411	2427	2451	rVV	740763	1234700	66.02%	8.612%
45	9.109	2488	2494	2498	rBV8	1140	1394	0.07%	0.010%
46	9.154	2506	2508	2509	rBV2	2025	909	0.05%	0.006%
47	9.180	2511	2516	2524	rVV9	3769	6778	0.36%	0.047%
48	9.251	2533	2538	2539	rBV5	5695	4870	0.26%	0.034%
49	9.547	2623	2630	2633	rBV7	3084	3857	0.21%	0.027%
50	9.707	2671	2680	2681	rBV10	1408	1785	0.10%	0.012%
51	9.852	2713	2725	2739	rVV3	32885	58695	3.14%	0.409%
52	9.990	2761	2768	2778	rVB3	3511	6771	0.36%	0.047%
53	10.039	2778	2783	2785	rBV6	2168	1624	0.09%	0.011%
54	10.080	2793	2796	2800	rVB5	1520	976	0.05%	0.007%
55	10.116	2805	2807	2811	rVB5	2480	1517	0.08%	0.011%
56	10.260	2839	2852	2873	rVB	392052	624921	33.41%	4.359%
57	10.424	2890	2903	2913	rVB2	22944	42191	2.26%	0.294%
58	10.485	2918	2922	2925	rBV5	1235	1276	0.07%	0.009%
59	10.559	2934	2945	2957	rBV5	7686	19879	1.06%	0.139%
60	10.756	2998	3006	3014	rBV9	6379	10630	0.57%	0.074%
61	10.807	3016	3022	3026	rBV8	3278	4523	0.24%	0.032%
62	10.958	3062	3069	3075	rBV9	4756	8250	0.44%	0.058%
63	11.087	3101	3109	3112	rBV9	2505	3371	0.18%	0.024%
64	11.196	3133	3143	3158	rVV3	26838	48923	2.62%	0.341%
65	11.296	3162	3174	3193	rVB	589289	964108	51.55%	6.725%
66	11.431	3213	3216	3222	rBV7	1655	1804	0.10%	0.013%
67	11.579	3251	3262	3273	rBV2	15929	29223	1.56%	0.204%
68	11.672	3279	3291	3305	rBV	627775	1007464	53.87%	7.027%
69	11.778	3322	3324	3327	rBV4	1895	1216	0.07%	0.008%
70	11.929	3364	3371	3373	rBV7	1484	1435	0.08%	0.010%
71	11.965	3378	3382	3384	rBV4	1538	1178	0.06%	0.008%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
Operator : SY/MD
Sample : K3016-07
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

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_V\METHOD\SOM2VLM052819S.M
Title : VOC Analysis

72	11.997	3389	3392	3395	rVB5	2213	1425	0.08%	0.010%
73	12.055	3404	3410	3421	rVB9	9518	14980	0.80%	0.104%
74	12.219	3458	3461	3464	rBV4	1571	1262	0.07%	0.009%
75	12.292	3470	3484	3500	rVB	18291	36508	1.95%	0.255%
76	12.392	3505	3515	3524	rBV2	23281	37750	2.02%	0.263%
77	12.456	3532	3535	3538	rVB3	1877	1138	0.06%	0.008%
78	12.553	3564	3565	3570	rVB5	1559	906	0.05%	0.006%
79	12.592	3572	3577	3578	rBV5	1686	1245	0.07%	0.009%
80	12.717	3607	3616	3627	rBV3	9557	16088	0.86%	0.112%
81	12.788	3630	3638	3649	rVB3	3854	6409	0.34%	0.045%
82	12.932	3678	3683	3693	rVB9	4444	6498	0.35%	0.045%
83	13.116	3735	3740	3744	rVB7	2529	2711	0.14%	0.019%
84	13.190	3754	3763	3773	rVB7	5833	10671	0.57%	0.074%
85	13.444	3840	3842	3847	rVB6	1305	855	0.05%	0.006%
86	13.482	3847	3854	3863	rBV6	8118	13958	0.75%	0.097%
87	13.518	3863	3865	3869	rBV5	1500	946	0.05%	0.007%
88	13.550	3872	3875	3879	rBV4	2436	1881	0.10%	0.013%
89	13.633	3893	3901	3909	rVV4	7604	10622	0.57%	0.074%
90	13.672	3911	3913	3917	rVB4	2038	1168	0.06%	0.008%
91	13.781	3941	3947	3948	rBV6	2718	2295	0.12%	0.016%
92	13.871	3971	3975	3979	rVV7	1481	1708	0.09%	0.012%
93	13.964	4002	4004	4008	rVB5	1595	1165	0.06%	0.008%
94	14.090	4032	4043	4055	rBV2	39284	71086	3.80%	0.496%
95	14.231	4079	4087	4093	rBV8	4998	7696	0.41%	0.054%
96	14.382	4127	4134	4147	rVB8	4826	8579	0.46%	0.060%
97	14.952	4309	4311	4314	rVV3	1640	1007	0.05%	0.007%
98	15.106	4355	4359	4360	rBV4	1230	894	0.05%	0.006%
99	15.318	4422	4425	4426	rBV2	2254	1253	0.07%	0.009%
100	15.681	4534	4538	4547	rVB5	4339	6395	0.34%	0.045%

Sum of corrected areas: 14337187

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
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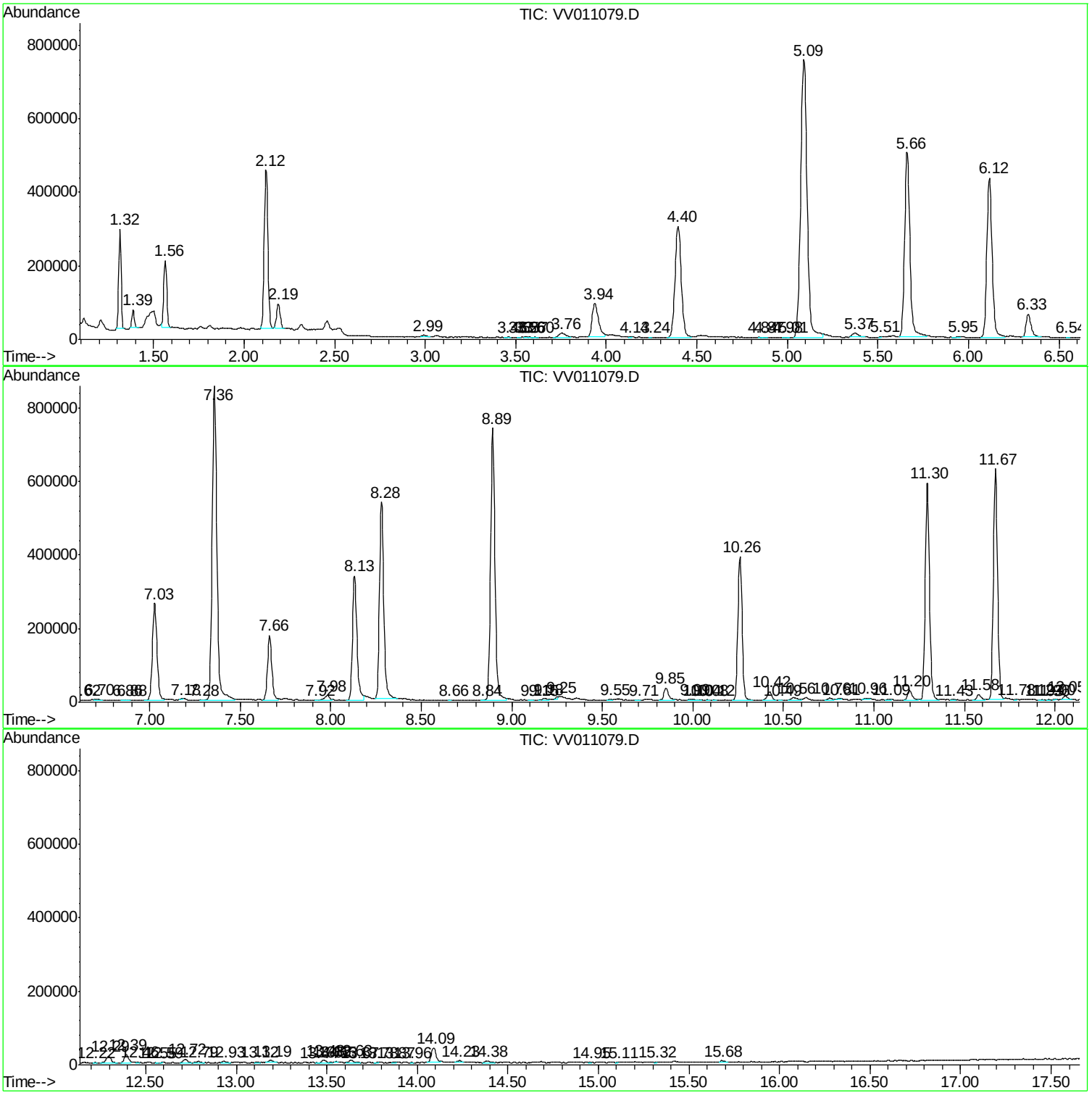
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
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Instrument : MSVOA_V
ClientSampleId : A51C6

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Quant Title : VOC Analysis

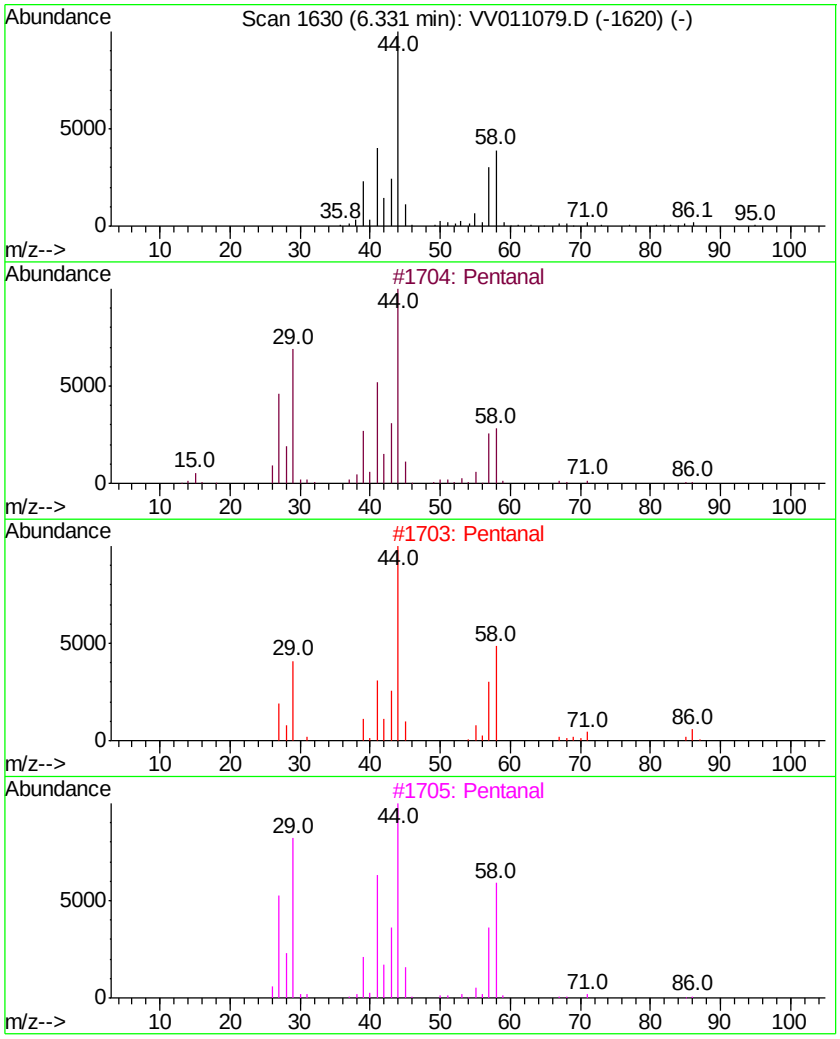
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

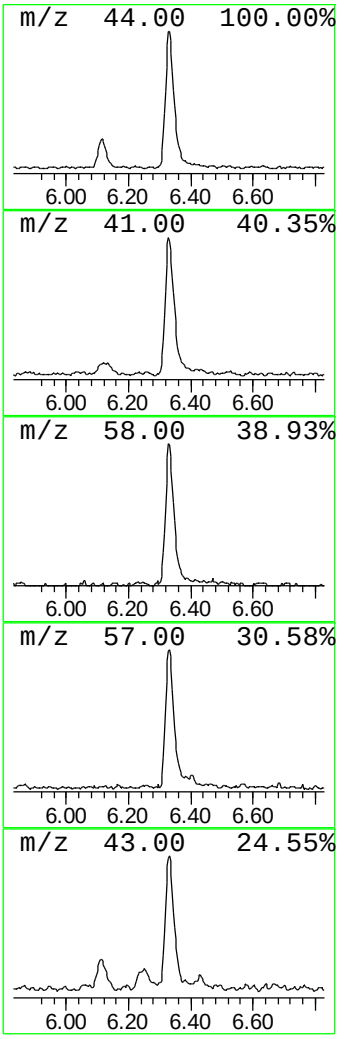
****

Peak Number 1 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.97 ug/L	122413	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Pentanal	86	C5H10O	000110-62-3	78
3	Pentanal	86	C5H10O	000110-62-3	53
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	40
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
Operator : SY/MD
Sample : K3016-07
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

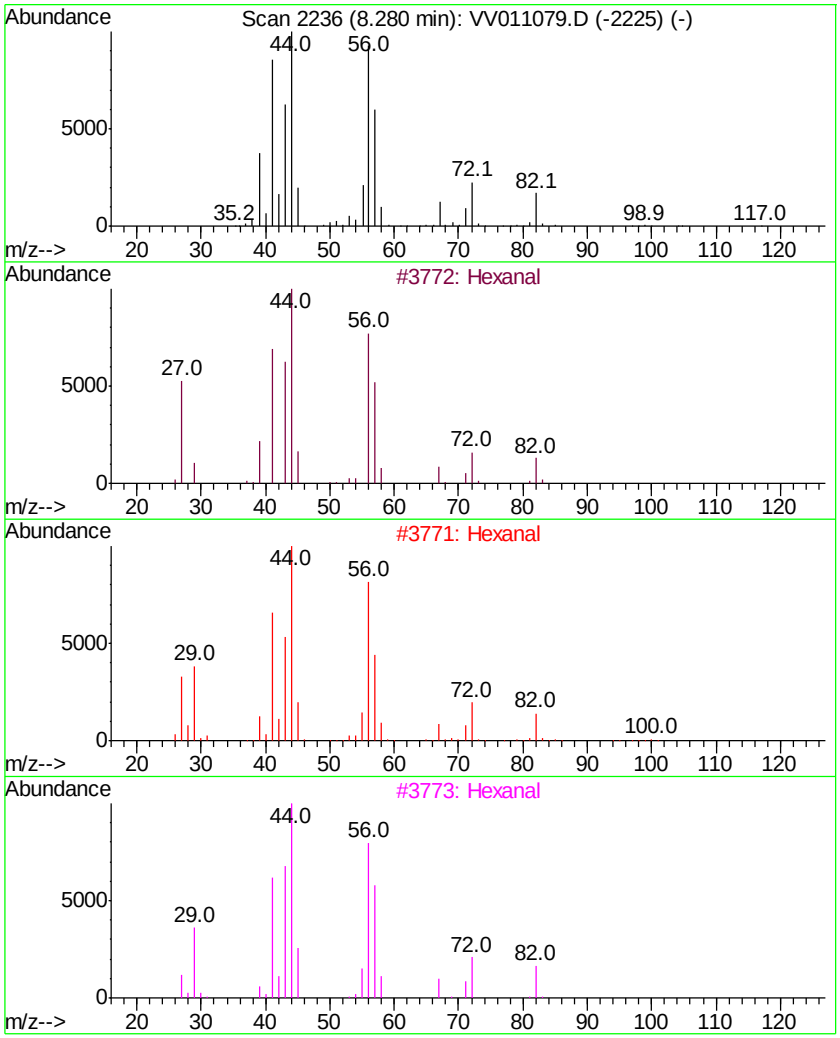
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

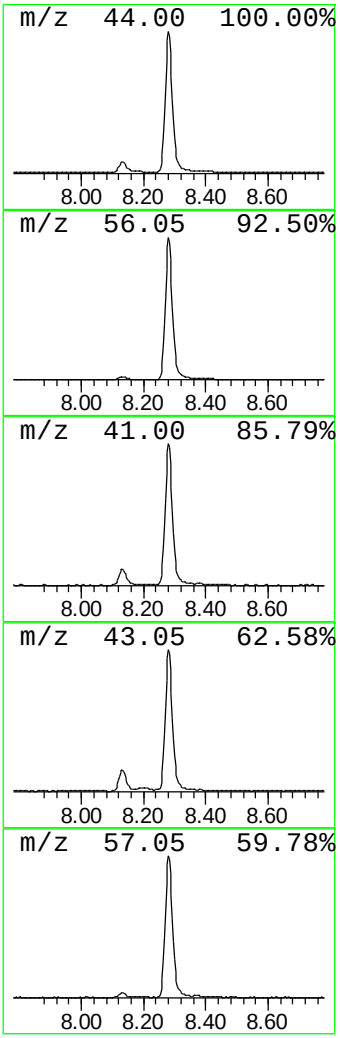
****

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	17.58 ug/L	868310	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	83
4	Hexanal	100	C6H12O	000066-25-1	78
5	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
Operator : SY/MD
Sample : K3016-07
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

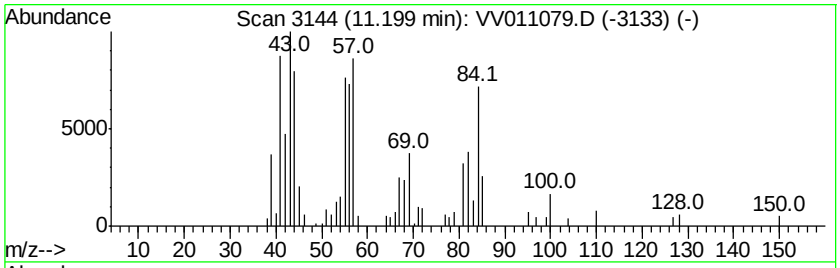
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

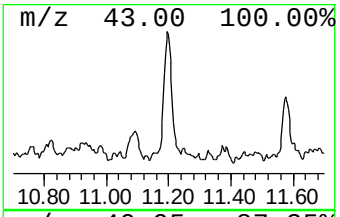
****

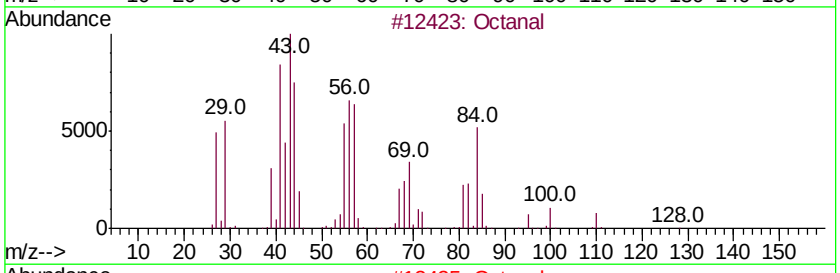
Peak Number 4 Octanal Concentration Rank 5

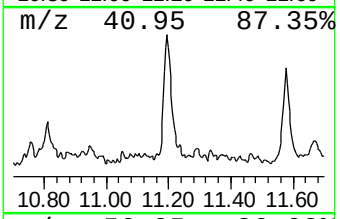
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.27 ug/L	48923	1,4-Dichlorobenzene-d4	11.30

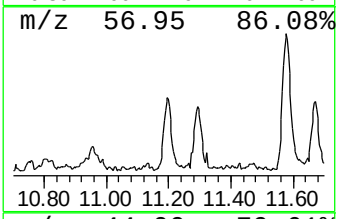
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	86
4	Octanal	128	C8H16O	000124-13-0	80
5	Octanal	128	C8H16O	000124-13-0	50

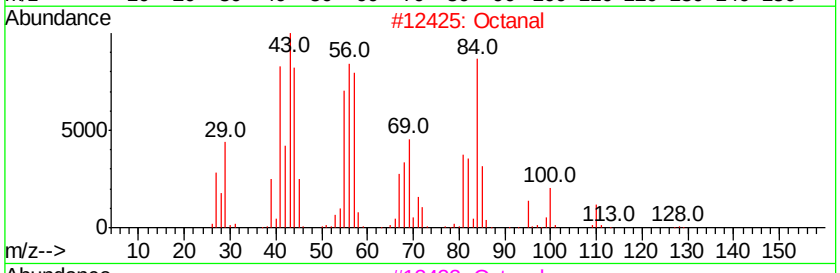


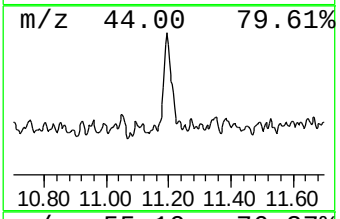


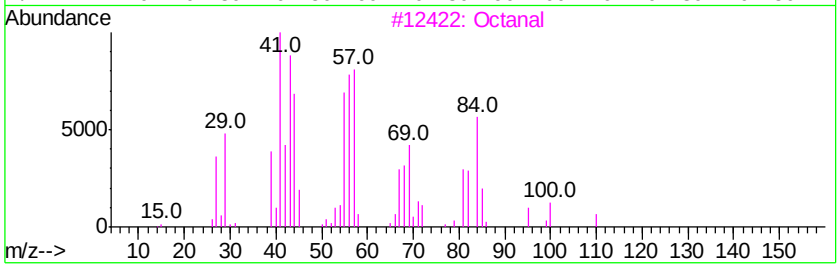


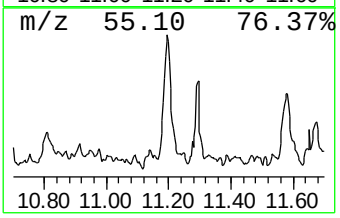












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011079.D
Acq On : 28 May 2019 22:40
Operator : SY/MD
Sample : K3016-07
Misc : 4.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.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
Pentanal	6.33	3.0	ug/L	122413	1	5.66	1029730	25.0
Hexanal	8.28	17.6	ug/L	868310	2	8.89	1234700	25.0
Octanal	11.20	1.3	ug/L	48923	3	11.30	964108	25.0