LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011123.D
Acq On : 30 May 2019 00:42
Operator : SY/MD
Sample : K3017-13
Misc : 5.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51E6

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	2.122	314	321	333	rVB2	64844	95863	40.74%	5.373%
2	2.457	417	425	441	rVB	80526	127845	54.33%	7.165%
3	2.923	567	570	571	rBV3	1122	548	0.23%	0.031%
4	2.971	581	585	586	rBV3	1869	1236	0.53%	0.069%
5	3.171	645	647	648	rBV2	1084	482	0.20%	0.027%
6	3.357	699	705	707	rBV6	874	750	0.32%	0.042%
7	3.373	707	710	712	rVV3	1155	645	0.27%	0.036%
8	3.399	716	718	720	rBV2	834	528	0.22%	0.030%
9	3.444	728	732	735	rBV4	923	937	0.40%	0.053%
10	3.502	747	750	753	rBV3	835	644	0.27%	0.036%
11	3.663	795	800	803	rBV7	1219	1295	0.55%	0.073%
12	3.746	820	826	828	rBV7	2597	2708	1.15%	0.152%
13	3.791	838	840	844	rVB5	1279	675	0.29%	0.038%
14	3.888	868	870	872	rBV3	1015	473	0.20%	0.027%
15	3.939	878	886	900	rBV2	9988	24976	10.61%	1.400%
16	4.190	959	964	965	rBV4	921	843	0.36%	0.047%
17	4.232	973	977	979	rBV4	1056	819	0.35%	0.046%
18	4.245	979	981	985	rVB5	1646	1110	0.47%	0.062%
19	4.267	985	988	989	rBV3	1132	697	0.30%	0.039%
20	4.396	1012	1028	1046	rBV3	38404	99563	42.31%	5.580%
21	4.634	1100	1102	1106	rVB5	1478	810	0.34%	0.045%
22	4.804	1150	1155	1161	rBV8	995	1435	0.61%	0.080%
23	4.836	1161	1165	1166	rBV3	869	640	0.27%	0.036%
24	4.949	1196	1200	1202	rBV4	1247	952	0.40%	0.053%
25	5.007	1216	1218	1220	rBV3	991	641	0.27%	0.036%
26	5.039	1223	1228	1229	rBV4	1801	1150	0.49%	0.064%
27	5.093	1231	1245	1269	rVV3	93774	235331	100.00%	13.190%
28	5.473	1360	1363	1365	rBV4	1258	819	0.35%	0.046%
29	5.537	1379	1383	1385	rBV3	1127	779	0.33%	0.044%
30	5.605	1402	1404	1407	rVB3	1052	547	0.23%	0.031%
31	5.662	1411	1422	1445	rVB	69295	143364	60.92%	8.035%
32	5.904	1493	1497	1500	rBV6	970	1001	0.43%	0.056%
33	5.955	1509	1513	1514	rBV3	1298	718	0.31%	0.040%
34	6.032	1533	1537	1538	rBV3	1414	900	0.38%	0.050%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011123.D
Acq On : 30 May 2019 00:42
Operator : SY/MD
Sample : K3017-13
Misc : 5.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51E6

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	6.116	1548	1563	1579	rBV3	56274	118731	50.45%	6.655%
36	6.331	1622	1630	1645	rVV3	13532	28573	12.14%	1.601%
37	6.579	1706	1707	1712	rVB5	1081	670	0.28%	0.038%
38	6.608	1712	1716	1717	rBV3	1018	659	0.28%	0.037%
39	6.640	1722	1726	1730	rBV6	752	822	0.35%	0.046%
40	6.662	1732	1733	1737	rVB3	1147	527	0.22%	0.030%
41	6.688	1738	1741	1743	rBV4	686	537	0.23%	0.030%
42	6.769	1763	1766	1771	rBV5	1372	1402	0.60%	0.079%
43	6.891	1802	1804	1807	rVB3	1435	596	0.25%	0.033%
44	7.029	1835	1847	1861	rBV2	28777	55862	23.74%	3.131%
45	7.113	1870	1873	1876	rBV4	1570	1458	0.62%	0.082%
46	7.248	1912	1915	1918	rBV5	1222	881	0.37%	0.049%
47	7.264	1918	1920	1923	rVB3	1177	562	0.24%	0.031%
48	7.360	1940	1950	1965	rBV	93797	163954	69.67%	9.189%
49	7.534	2001	2004	2007	rVB5	865	544	0.23%	0.030%
50	7.553	2007	2010	2014	rBV5	1202	1060	0.45%	0.059%
51	7.579	2014	2018	2019	rBV4	1019	554	0.24%	0.031%
52	7.666	2035	2045	2060	rBV2	16937	32877	13.97%	1.843%
53	7.974	2138	2141	2143	rBV3	1913	1471	0.63%	0.082%
54	8.093	2174	2178	2179	rBV3	876	606	0.26%	0.034%
55	8.135	2182	2191	2215	rBV3	24913	62844	26.70%	3.522%
56	8.283	2229	2237	2259	rBV	57097	105896	45.00%	5.935%
57	8.457	2288	2291	2294	rVB4	1241	812	0.35%	0.046%
58	8.592	2329	2333	2336	rBV5	1590	1330	0.57%	0.075%
59	8.691	2362	2364	2367	rVB3	1028	554	0.24%	0.031%
60	8.749	2379	2382	2384	rBV3	1064	649	0.28%	0.036%
61	8.768	2384	2388	2392	rVB4	1453	1248	0.53%	0.070%
62	8.797	2395	2397	2403	rVB6	817	780	0.33%	0.044%
63	8.833	2403	2408	2411	rBV6	951	1034	0.44%	0.058%
64	8.897	2416	2428	2447	rBV	84658	152221	64.68%	8.532%
65	9.029	2465	2469	2474	rBV6	982	984	0.42%	0.055%
66	9.080	2483	2485	2488	rBV4	734	564	0.24%	0.032%
67	9.395	2580	2583	2586	rBV4	1030	972	0.41%	0.054%
68	9.482	2606	2610	2611	rBV4	1640	845	0.36%	0.047%
69	9.711	2678	2681	2683	rBV3	1206	630	0.27%	0.035%
70	9.955	2754	2757	2761	rBV6	1283	1173	0.50%	0.066%
71	10.174	2820	2825	2828	rBV5	1145	1036	0.44%	0.058%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011123.D
Acq On : 30 May 2019 00:42
Operator : SY/MD
Sample : K3017-13
Misc : 5.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51E6

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	10.260	2842	2852	2865	rVB2	44870	72350	30.74%	4.055%
73	10.363	2881	2884	2889	rBV6	1249	1251	0.53%	0.070%
74	10.428	2893	2904	2912	rVV9	4030	7907	3.36%	0.443%
75	10.508	2926	2929	2933	rBV4	1187	1104	0.47%	0.062%
76	10.563	2943	2946	2949	rBV4	1137	782	0.33%	0.044%
77	10.717	2991	2994	2997	rBV4	975	581	0.25%	0.033%
78	10.820	3022	3026	3031	rBV6	1584	1916	0.81%	0.107%
79	10.897	3048	3050	3052	rBV3	961	549	0.23%	0.031%
80	10.955	3063	3068	3070	rBV4	1419	1520	0.65%	0.085%
81	11.026	3087	3090	3091	rBV2	912	509	0.22%	0.029%
82	11.151	3127	3129	3131	rBV2	801	488	0.21%	0.027%
83	11.202	3138	3145	3150	rBV9	3706	5678	2.41%	0.318%
84	11.299	3164	3175	3186	rBV2	48410	87107	37.01%	4.882%
85	11.466	3225	3227	3231	rBV4	1182	710	0.30%	0.040%
86	11.524	3241	3245	3247	rBV4	948	589	0.25%	0.033%
87	11.675	3283	3292	3306	rVB	52631	87621	37.23%	4.911%
88	11.955	3376	3379	3384	rBV4	954	641	0.27%	0.036%
89	12.199	3452	3455	3459	rBV3	1382	889	0.38%	0.050%
90	12.466	3535	3538	3539	rBV2	1101	596	0.25%	0.033%
91	12.656	3593	3597	3602	rBV6	1338	1182	0.50%	0.066%
92	12.678	3602	3604	3606	rBV3	1107	575	0.24%	0.032%
93	12.923	3676	3680	3683	rBV6	1354	1452	0.62%	0.081%
94	13.106	3734	3737	3738	rBV2	1554	724	0.31%	0.041%
95	13.614	3893	3895	3897	rBV3	1206	722	0.31%	0.040%
96	13.800	3951	3953	3957	rVB3	1017	720	0.31%	0.040%
97	14.083	4033	4041	4042	rBV6	5364	5211	2.21%	0.292%
98	14.328	4113	4117	4122	rBV6	2064	1864	0.79%	0.104%
99	14.366	4127	4129	4131	rBV3	1244	708	0.30%	0.040%
100	14.929	4301	4304	4305	rBV2	1189	628	0.27%	0.035%

Sum of corrected areas: 1784216

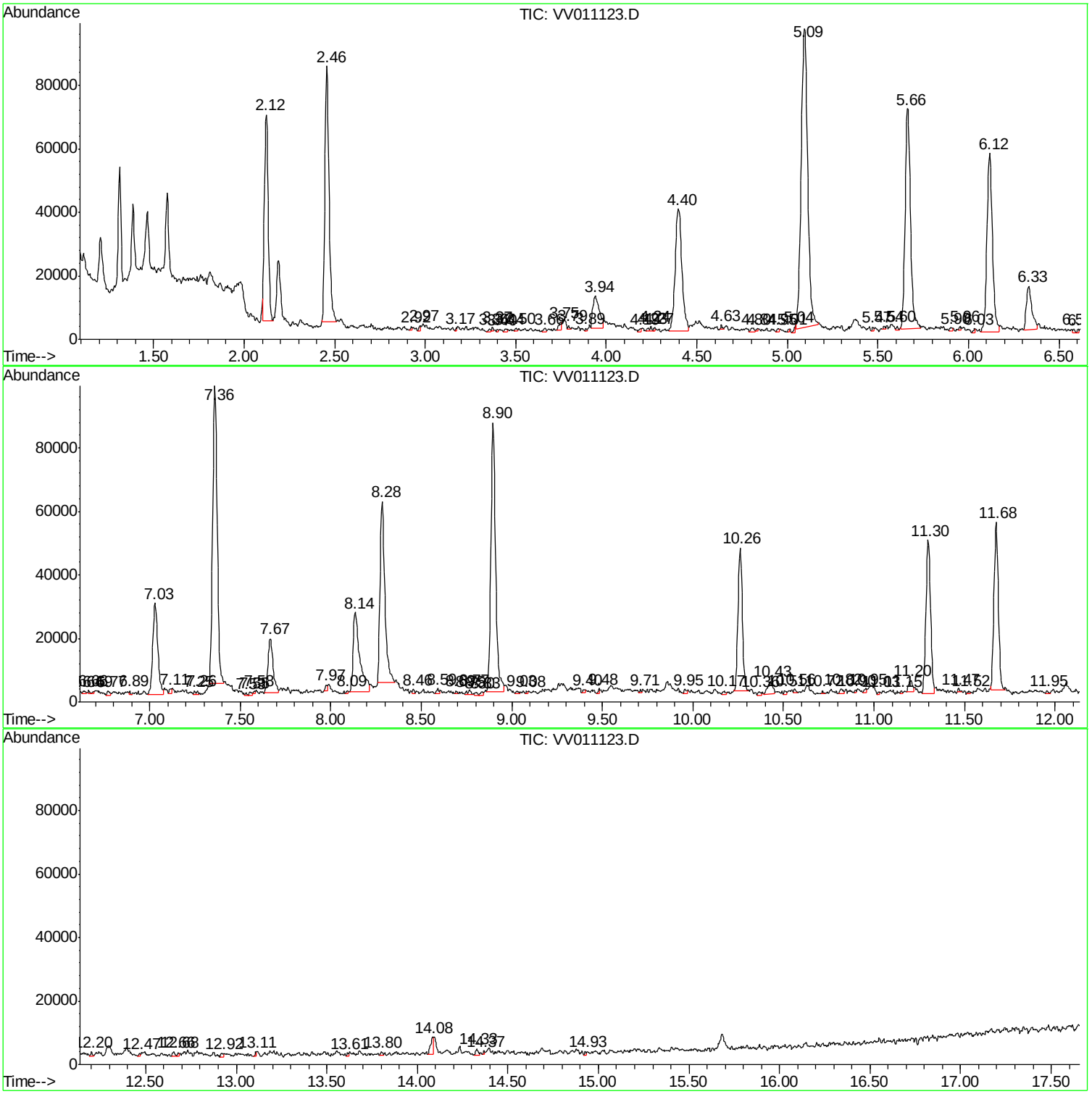
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011123.D
Acq On : 30 May 2019 00:42
Operator : SY/MD
Sample : K3017-13
Misc : 5.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E6

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
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Instrument : MSVOA_V
ClientSampleId : A51E6

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

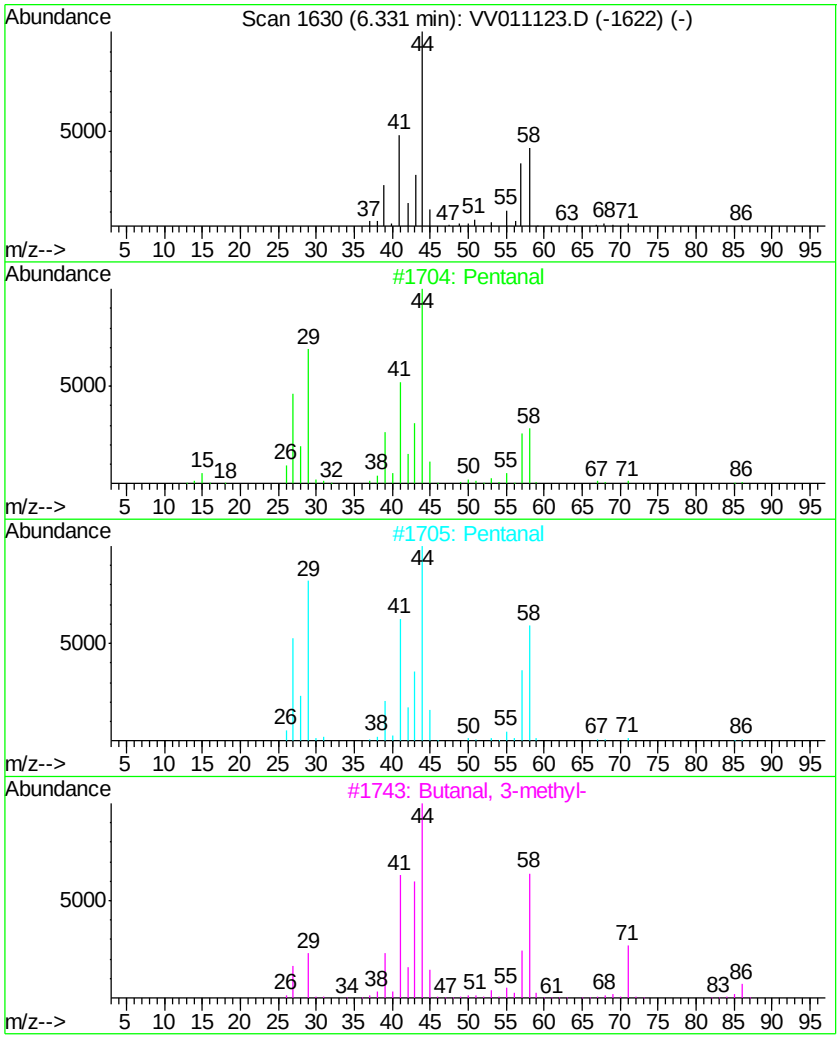
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

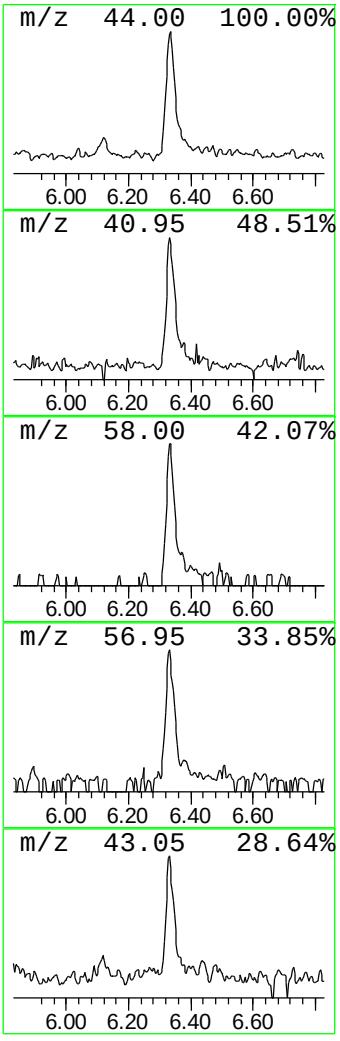
****

Peak Number 1 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	4.98 ug/L	28573	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	72
2	Pentanal	86	C5H10O	000110-62-3	56
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	56
4	Pentanal	86	C5H10O	000110-62-3	56
5	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	39





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Acq On : 30 May 2019 00:42
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51E6

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

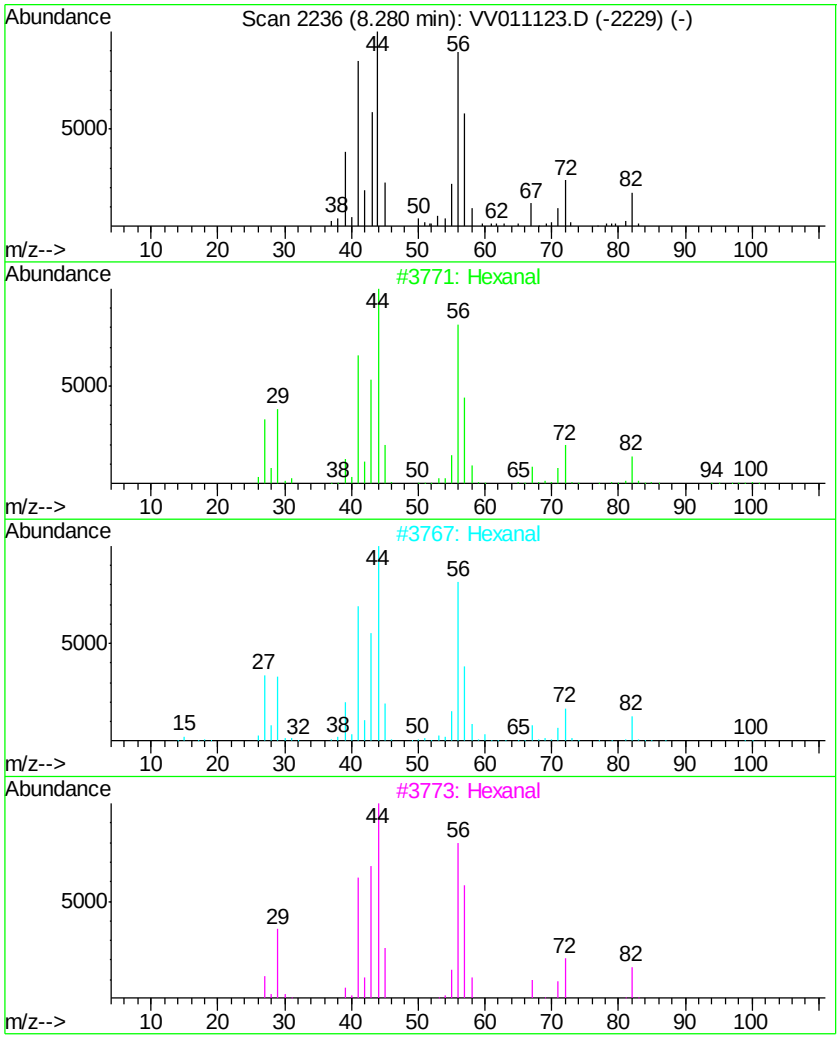
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

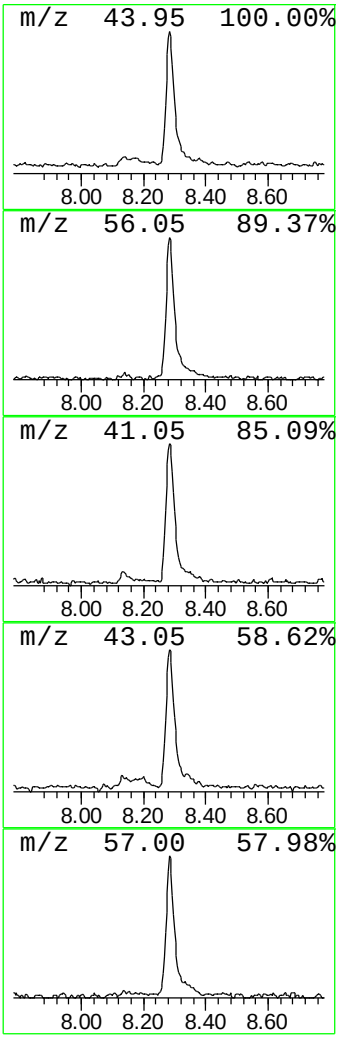
****

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	17.39 ug/L	105896	Chlorobenzene-d5	8.90

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	83
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011123.D
Acq On : 30 May 2019 00:42
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51E6

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

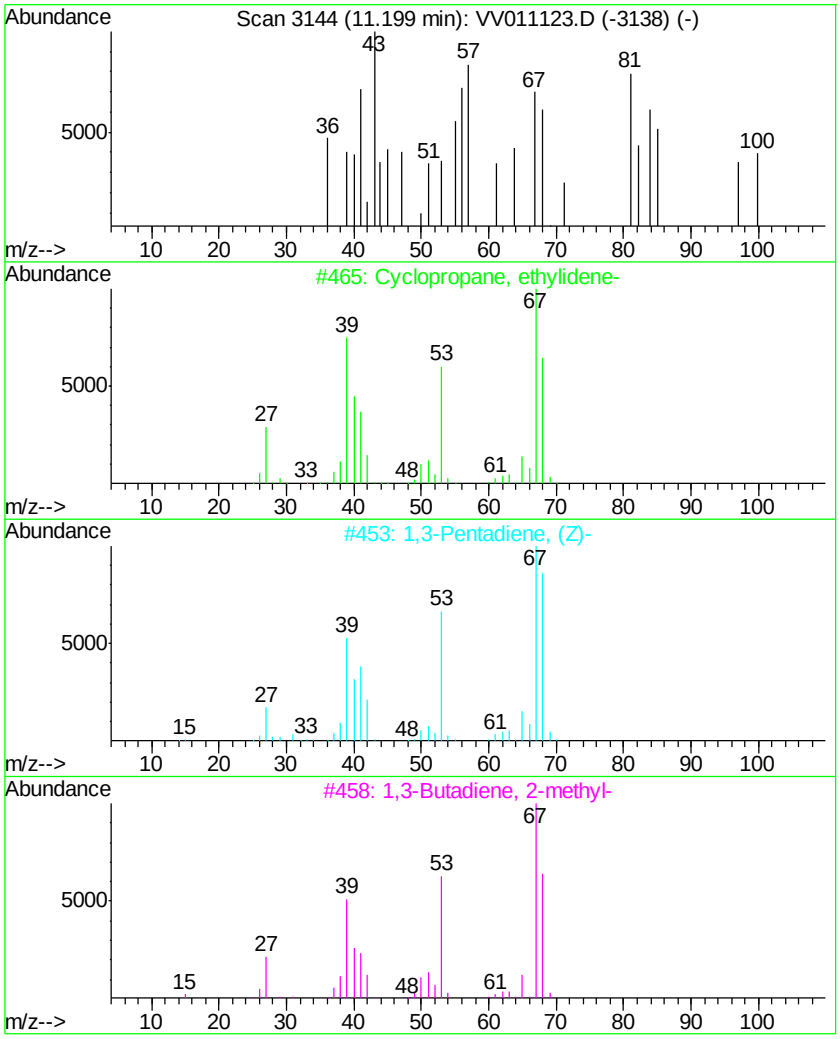
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

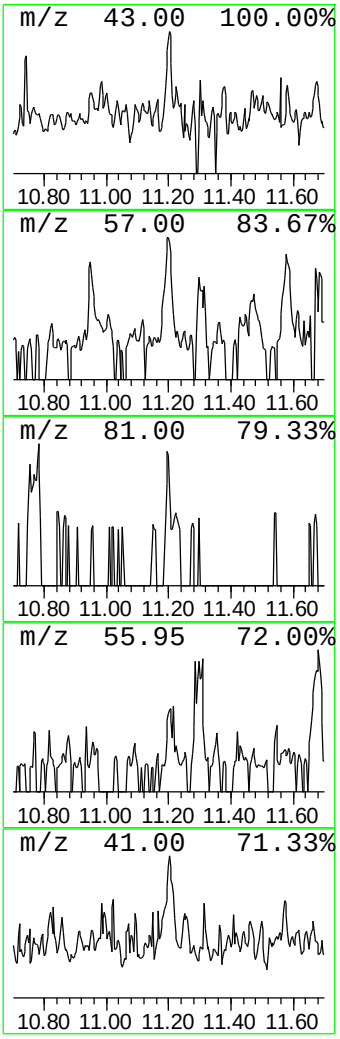
****

Peak Number 5 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.63 ug/L	5678	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethylidene-	68	C5H8	018631-83-9	15
2	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	11
3	1,3-Butadiene, 2-methyl-	68	C5H8	000078-79-5	11
4	1,3-Butadiene, 2-methyl-	68	C5H8	000078-79-5	11
5	2-Hexyne	82	C6H10	000764-35-2	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011123.D
Acq On : 30 May 2019 00:42
Operator : SY/MD
Sample : K3017-13
Misc : 5.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51E6

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	5.0	ug/L	28573	1	5.66	143364	25.0
Hexanal	8.28	17.4	ug/L	105896	2	8.90	152221	25.0
unknown-01	11.20	1.6	ug/L	5678	3	11.30	87107	25.0