LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041619\
Data File : VW009998.D
Acq On : 16 Apr 2019 16:04
Operator : SY/VA
Sample : K2403-01
Misc : 3.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5101

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\SOM2WLM041519S.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	2.361	69	75	89	rVB	133591	307526	11.75%	1.413%
2	2.891	155	162	178	rVB	107529	298072	11.39%	1.369%
3	3.385	236	243	255	rVB	40746	103475	3.95%	0.475%
4	3.849	314	319	322	rBV5	2768	6190	0.24%	0.028%
5	4.007	333	345	357	rBV	277231	941665	35.97%	4.326%
6	4.117	358	363	375	rVB	48192	128607	4.91%	0.591%
7	4.397	401	409	414	rVV5	3670	10528	0.40%	0.048%
8	4.665	447	453	454	rBV3	4633	7626	0.29%	0.035%
9	4.915	482	494	505	rBV3	21513	86144	3.29%	0.396%
10	5.409	573	575	578	rBV3	990	1351	0.05%	0.006%
11	5.488	584	588	590	rBV4	1070	1525	0.06%	0.007%
12	5.775	625	635	636	rBV3	8908	16241	0.62%	0.075%
13	5.927	651	660	668	rBV8	10058	31931	1.22%	0.147%
14	6.098	684	688	690	rBV3	1326	2012	0.08%	0.009%
15	6.531	756	759	762	rBV4	1081	1610	0.06%	0.007%
16	6.897	810	819	826	rBV5	12618	38930	1.49%	0.179%
17	6.988	831	834	835	rBV3	1132	1135	0.04%	0.005%
18	7.074	839	848	859	rBV2	93242	258835	9.89%	1.189%
19	7.415	903	904	909	rVB3	1195	1130	0.04%	0.005%
20	7.537	920	924	928	rVB7	1476	3024	0.12%	0.014%
21	7.647	928	942	952	rBV	471329	1142834	43.66%	5.250%
22	7.939	986	990	992	rBV4	1428	1856	0.07%	0.009%
23	8.275	1033	1045	1062	rBV2	864927	2617694	100.00%	12.025%
24	8.384	1062	1063	1069	rVB5	2157	3321	0.13%	0.015%
25	8.500	1079	1082	1083	rVV2	1688	1565	0.06%	0.007%
26	8.549	1085	1090	1100	rVB4	10286	25052	0.96%	0.115%
27	8.707	1109	1116	1126	rVB5	9556	27061	1.03%	0.124%
28	8.842	1129	1138	1149	rBV	870575	1744199	66.63%	8.012%
29	8.957	1155	1157	1161	rVB5	1679	1844	0.07%	0.008%
30	9.037	1165	1170	1175	rBV7	5333	13931	0.53%	0.064%
31	9.274	1198	1209	1220	rVV	624219	1263363	48.26%	5.803%
32	9.408	1224	1231	1244	rVB	150718	284675	10.88%	1.308%
33	9.658	1266	1272	1275	rVV5	2728	4468	0.17%	0.021%
34	10.036	1325	1334	1344	rVV	328282	599539	22.90%	2.754%

LSC Area Percent Report

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Sample : K2403-01
Misc : 3.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5101

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\SOM2WLM041519S.M
Title : VOC Analysis

35	10.122	1345	1348	1355	rVB6	3486	6098	0.23%	0.028%
36	10.207	1360	1362	1368	rBV6	1466	1930	0.07%	0.009%
37	10.323	1371	1381	1388	rBV	1193344	2082819	79.57%	9.568%
38	10.390	1388	1392	1402	rVB	64065	112707	4.31%	0.518%
39	10.500	1402	1410	1414	rBV8	4098	8679	0.33%	0.040%
40	10.579	1416	1423	1432	rBV	217706	378101	14.44%	1.737%
41	10.707	1437	1444	1457	rVB	35270	69605	2.66%	0.320%
42	10.859	1466	1469	1473	rBV5	2992	4335	0.17%	0.020%
43	10.927	1473	1480	1491	rBV	390135	658094	25.14%	3.023%
44	11.073	1497	1504	1519	rBV	1555580	2483997	94.89%	11.410%
45	11.280	1535	1538	1539	rBV3	1359	1391	0.05%	0.006%
46	11.335	1546	1547	1552	rBV5	1567	1911	0.07%	0.009%
47	11.475	1565	1570	1572	rBV5	1320	2196	0.08%	0.010%
48	11.634	1587	1596	1604	rBV	1186926	2005356	76.61%	9.212%
49	11.835	1623	1629	1642	rBV2	38709	82277	3.14%	0.378%
50	12.024	1655	1660	1667	rVB7	4642	8457	0.32%	0.039%
51	12.170	1680	1684	1688	rVB5	2901	4620	0.18%	0.021%
52	12.237	1688	1695	1704	rVB2	8320	16933	0.65%	0.078%
53	12.341	1705	1712	1719	rBV2	35808	58915	2.25%	0.271%
54	12.438	1727	1728	1730	rBV2	1510	1309	0.05%	0.006%
55	12.469	1730	1733	1737	rVB4	2090	2768	0.11%	0.013%
56	12.512	1737	1740	1746	rBV6	2998	5440	0.21%	0.025%
57	12.615	1750	1757	1762	rBV	32162	54887	2.10%	0.252%
58	12.694	1763	1770	1779	rVB	435736	699942	26.74%	3.215%
59	12.810	1787	1789	1794	rVB5	1947	2978	0.11%	0.014%
60	12.871	1794	1799	1801	rBV4	1896	2968	0.11%	0.014%
61	12.902	1801	1804	1805	rBV3	1380	1458	0.06%	0.007%
62	12.938	1807	1810	1813	rVB4	3264	4044	0.15%	0.019%
63	13.042	1822	1827	1831	rBV5	4490	7168	0.27%	0.033%
64	13.103	1833	1837	1842	rVV6	8089	14259	0.54%	0.066%
65	13.158	1843	1846	1851	rVB6	4400	6219	0.24%	0.029%
66	13.274	1862	1865	1866	rBV3	2229	2229	0.09%	0.010%
67	13.402	1879	1886	1892	rBV2	27417	47611	1.82%	0.219%
68	13.499	1892	1902	1905	rVV9	8603	21397	0.82%	0.098%
69	13.560	1905	1912	1921	rVV	892072	1406716	53.74%	6.462%
70	13.652	1923	1927	1934	rVB2	16883	28413	1.09%	0.131%
71	13.749	1941	1943	1944	rBV	1401	1297	0.05%	0.006%

LSC Area Percent Report

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Misc : 3.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5101

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\SOM2WLM041519S.M
Title : VOC Analysis

72	13.859	1952	1961	1974	rBV	720333	1215384	46.43%	5.583%
73	13.950	1974	1976	1979	rVB3	1449	1539	0.06%	0.007%
74	14.024	1983	1988	1991	rBV4	3125	5444	0.21%	0.025%
75	14.078	1991	1997	2003	rBV2	40934	65550	2.50%	0.301%
76	14.334	2033	2039	2044	rBV3	27823	46012	1.76%	0.211%
77	14.530	2065	2071	2078	rVB2	29918	45661	1.74%	0.210%
78	14.633	2085	2088	2095	rVB4	6037	9748	0.37%	0.045%
79	14.712	2095	2101	2102	rBV5	1907	3397	0.13%	0.016%
80	14.847	2121	2123	2124	rBV2	1713	1408	0.05%	0.006%
81	14.956	2138	2141	2146	rVB6	2499	3895	0.15%	0.018%
82	15.084	2159	2162	2165	rBV6	1577	2216	0.08%	0.010%
83	15.133	2167	2170	2174	rVB4	2270	3404	0.13%	0.016%
84	15.188	2175	2179	2186	rVB7	5055	7962	0.30%	0.037%
85	15.261	2186	2191	2197	rVB2	15244	24333	0.93%	0.112%
86	15.365	2204	2208	2210	rBV3	2846	3656	0.14%	0.017%
87	15.444	2219	2221	2223	rBV3	1158	1155	0.04%	0.005%
88	15.499	2227	2230	2237	rVV4	4949	10306	0.39%	0.047%
89	15.566	2237	2241	2245	rVB6	3740	6779	0.26%	0.031%
90	15.663	2255	2257	2260	rVB3	1672	1476	0.06%	0.007%
91	15.694	2260	2262	2265	rBV4	1875	2109	0.08%	0.010%
92	15.761	2272	2273	2277	rVB4	1495	1210	0.05%	0.006%
93	15.865	2283	2290	2294	rBV7	4721	9806	0.37%	0.045%
94	15.980	2303	2309	2312	rBV7	2840	5720	0.22%	0.026%
95	16.017	2312	2315	2318	rVB5	1588	2037	0.08%	0.009%
96	16.218	2344	2348	2349	rBV4	1150	1437	0.05%	0.007%
97	16.237	2349	2351	2353	rVV3	2078	1895	0.07%	0.009%
98	16.291	2357	2360	2363	rBV4	1496	1946	0.07%	0.009%
99	16.511	2392	2396	2400	rBV5	2947	4200	0.16%	0.019%
100	16.590	2407	2409	2411	rBV3	1093	1234	0.05%	0.006%

Sum of corrected areas: 21769402

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041619\
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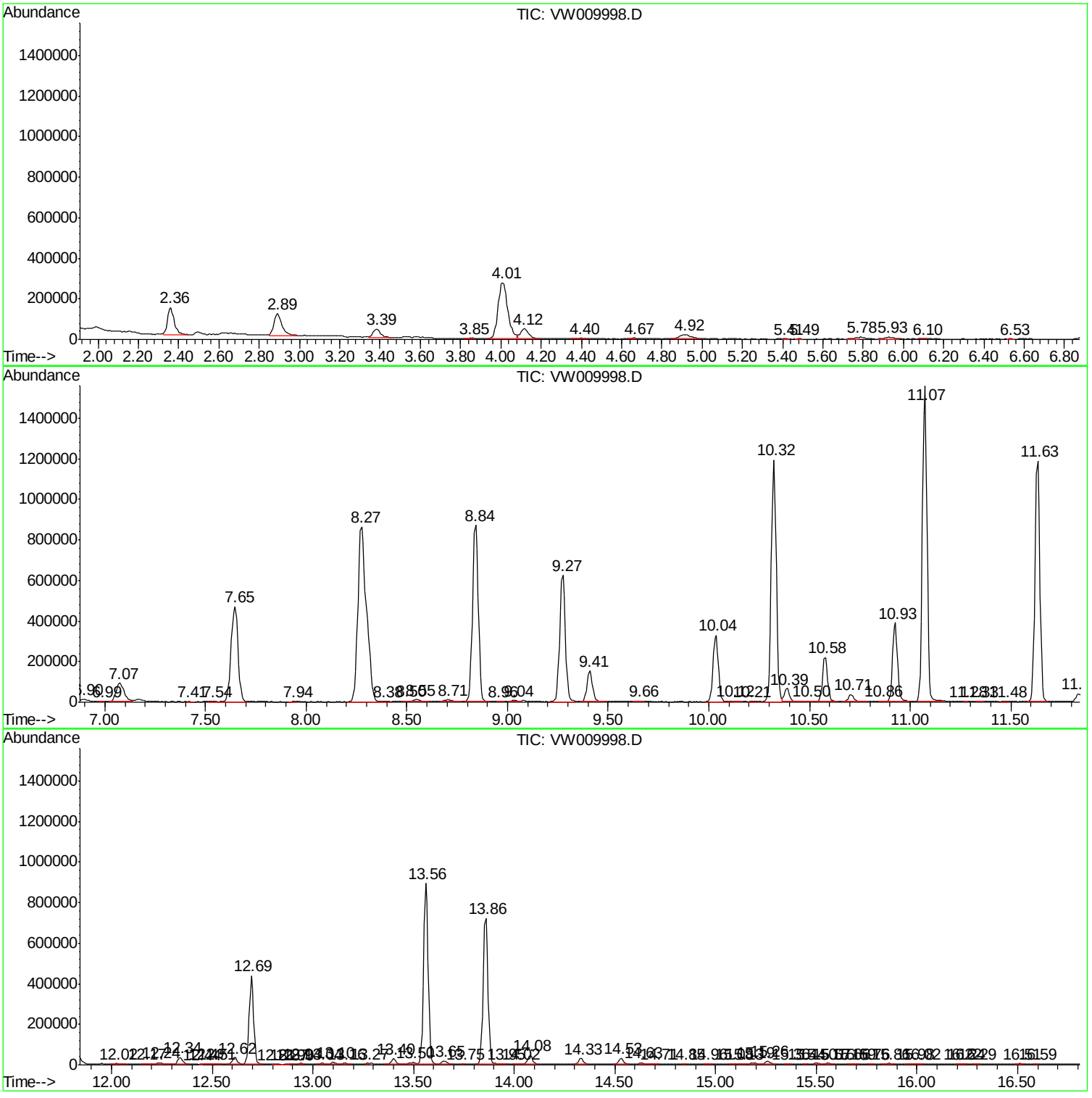
Operator : SY/VA
Sample : K2403-01
Misc : 3.53G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5101

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.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\VW041619\
Data File : VW009998.D
Acq On : 16 Apr 2019 16:04
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Instrument : MSVOA_W
ClientSampleId : A5101

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

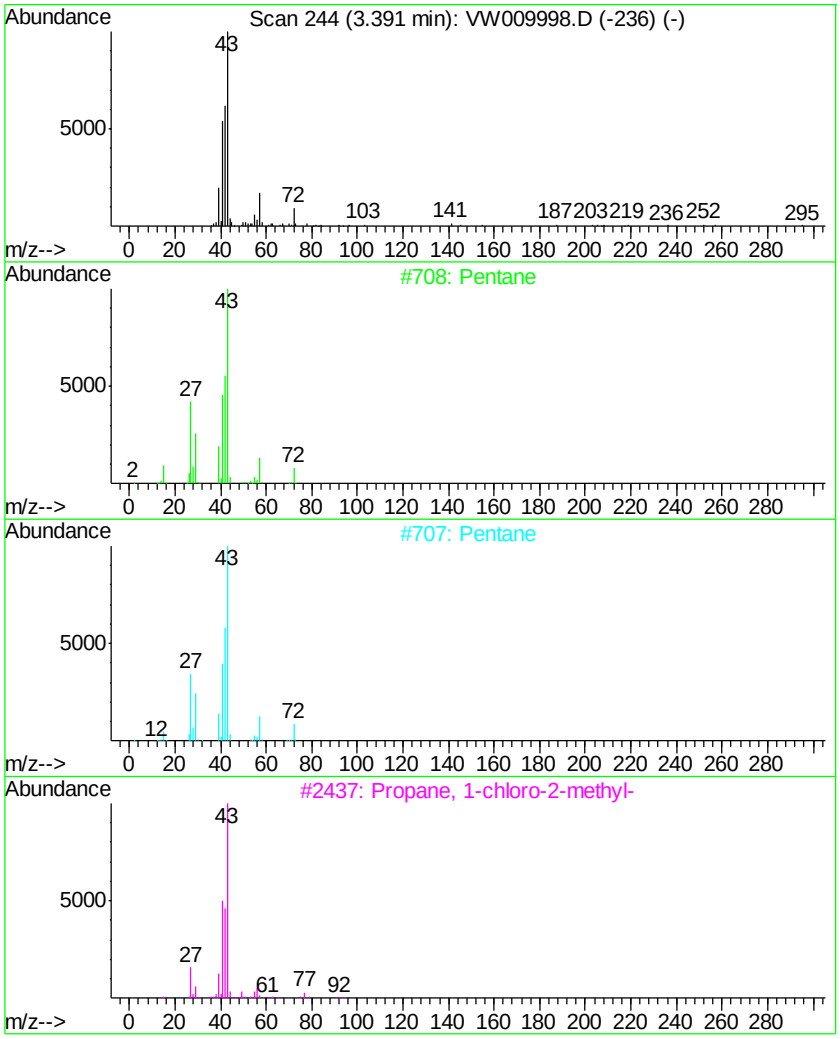
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

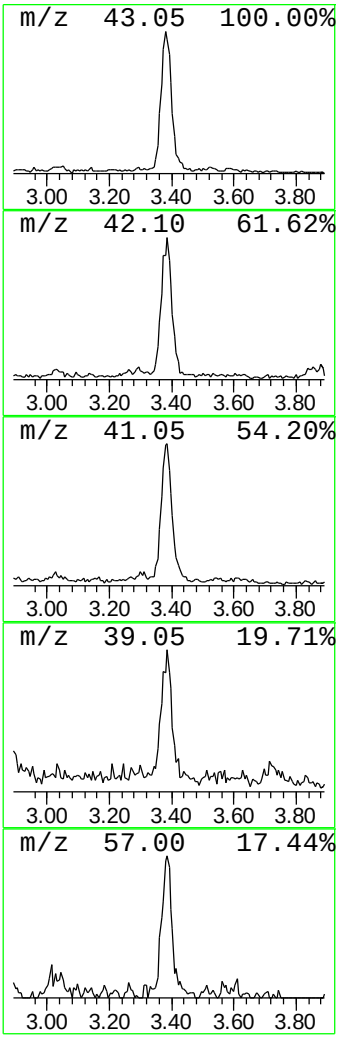
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.48 ug/L	103475	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Pentane	72	C5H12	000109-66-0	64
3	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	42
4	Pentane	72	C5H12	000109-66-0	42
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	42





Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : A5101

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

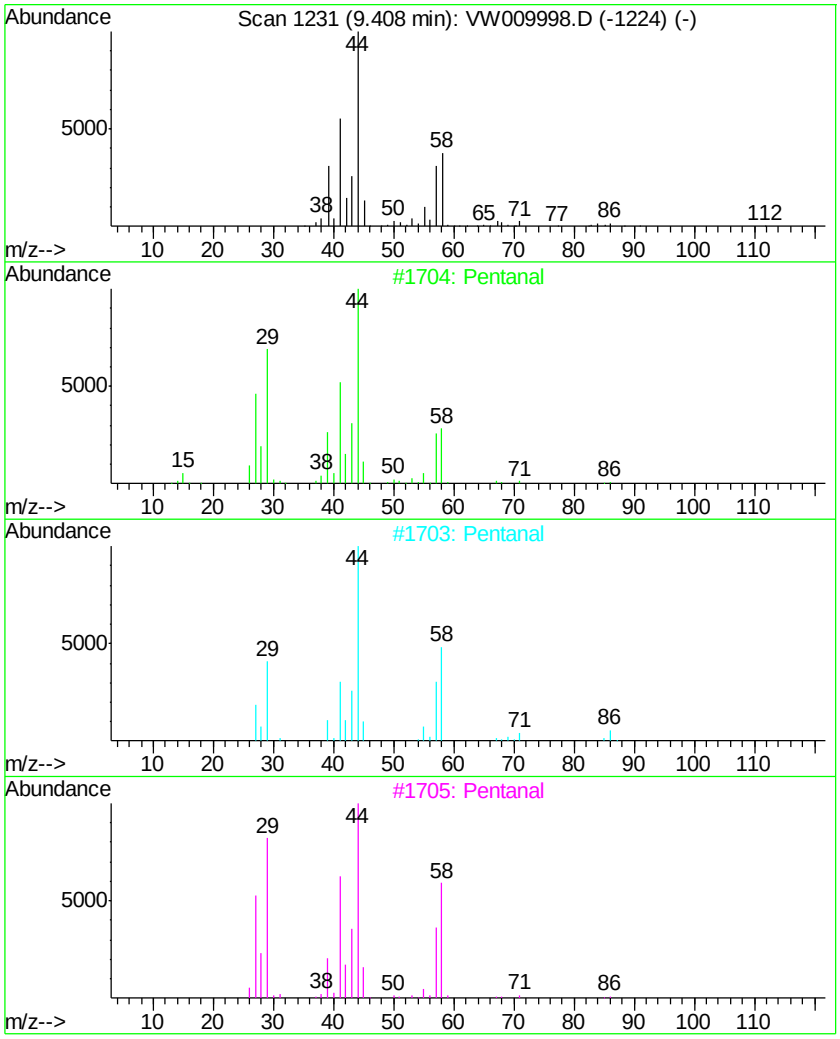
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

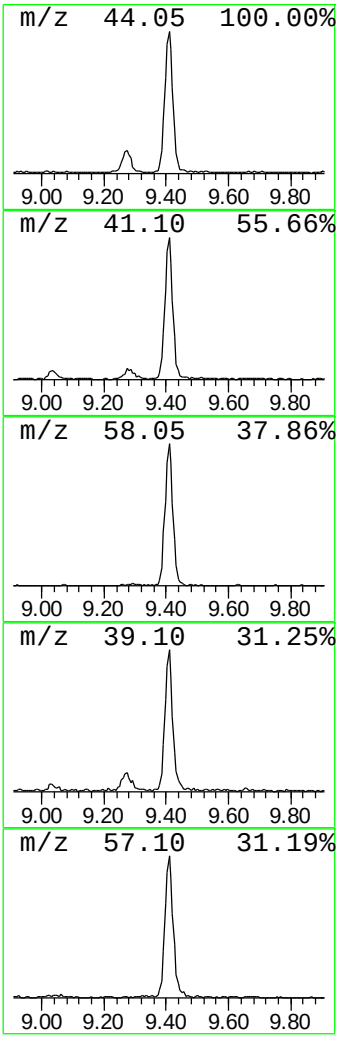
****

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	4.08 ug/L	284675	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Pentanal	86	C5H10O	000110-62-3	64
3	Pentanal	86	C5H10O	000110-62-3	64
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041619\
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Acq On : 16 Apr 2019 16:04
Operator : SY/VA
Sample : K2403-01
Misc : 3.53G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5101

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

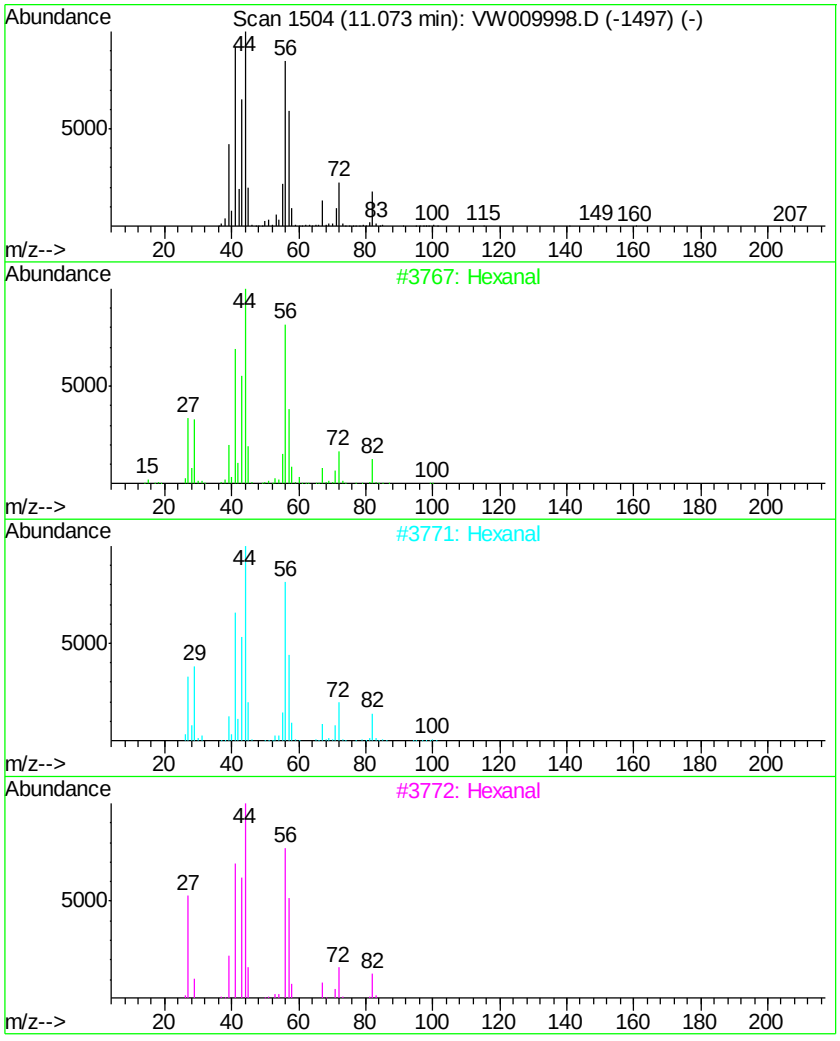
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

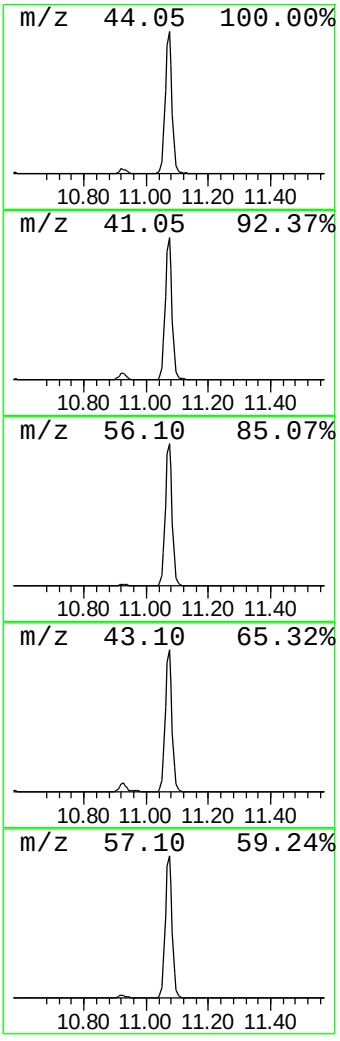
****

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	30.97 ug/L	2484000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	81
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	72
4	Hexanal	100	C6H12O	000066-25-1	64
5	Butanal	72	C4H8O	000123-72-8	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041619\
Data File : VW009998.D
Acq On : 16 Apr 2019 16:04
Operator : SY/VA
Sample : K2403-01
Misc : 3.53G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5101

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.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
(DEL) Alkane: Str...	3.39	1.5	ug/L	103475	1	8.84	1744200	25.0
Pentanal	9.41	4.1	ug/L	284675	1	8.84	1744200	25.0
Hexanal	11.07	31.0	ug/L	2484000	2	11.63	2005360	25.0