LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

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\SOM2WLM122618S.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	83	rBV	16780	33778	10.95%	1.273%
2	2.891	154	162	173	rBV	9946	26324	8.53%	0.992%
3	3.026	180	184	186	rBV2	650	774	0.25%	0.029%
4	3.093	193	195	196	rVB	315	159	0.05%	0.006%
5	3.245	219	220	222	rBV	138	109	0.04%	0.004%
6	3.294	225	228	233	rVB2	571	910	0.29%	0.034%
7	3.385	238	243	250	rVV3	673	1568	0.51%	0.059%
8	3.489	259	260	265	rVB	149	214	0.07%	0.008%
9	3.525	265	266	269	rBV2	156	197	0.06%	0.007%
10	3.617	279	281	284	rBV	135	183	0.06%	0.007%
11	3.653	284	287	289	rVB	129	164	0.05%	0.006%
12	3.720	294	298	300	rBV	120	161	0.05%	0.006%
13	3.757	300	304	307	rVB	185	269	0.09%	0.010%
14	3.842	315	318	319	rBV	190	141	0.05%	0.005%
15	3.867	319	322	325	rVB3	327	414	0.13%	0.016%
16	4.007	335	345	357	rBV	37142	110471	35.80%	4.163%
17	4.105	359	361	362	rBV	1103	947	0.31%	0.036%
18	4.379	401	406	407	rVV3	496	772	0.25%	0.029%
19	4.397	407	409	415	rVB2	652	941	0.30%	0.035%
20	4.891	487	490	491	rBV	251	254	0.08%	0.010%
21	4.909	491	493	498	rVV2	447	717	0.23%	0.027%
22	4.958	499	501	504	rVB2	122	130	0.04%	0.005%
23	5.135	528	530	532	rBV2	168	159	0.05%	0.006%
24	5.171	532	536	539	rVB	172	289	0.09%	0.011%
25	5.373	566	569	570	rBV	169	170	0.06%	0.006%
26	5.568	579	601	619	rVV	8301	55561	18.01%	2.094%
27	5.866	649	650	653	rBV	218	132	0.04%	0.005%
28	5.927	656	660	661	rBV	529	587	0.19%	0.022%
29	6.013	672	674	677	rVB	147	146	0.05%	0.006%
30	6.891	812	818	827	rBB4	1733	4500	1.46%	0.170%
31	7.074	839	848	857	rBV2	15542	44701	14.49%	1.685%
32	7.647	932	942	953	rBB	56284	134017	43.43%	5.051%
33	8.275	1036	1045	1060	rBB2	100673	308558	100.00%	11.629%
34	8.695	1109	1114	1120	rBB2	941	1544	0.50%	0.058%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

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\SOM2WLM122618S.M
Title : VOC Analysis

35	8.842	1130	1138	1149	rBB	104537	204175	66.17%	7.695%
36	9.031	1166	1169	1173	rBB	318	344	0.11%	0.013%
37	9.274	1201	1209	1218	rBB	68499	137430	44.54%	5.179%
38	9.354	1218	1222	1225	rBB	135	157	0.05%	0.006%
39	9.409	1225	1231	1239	rBB	5860	10520	3.41%	0.396%
40	10.036	1327	1334	1342	rBB	44765	79410	25.74%	2.993%
41	10.323	1374	1381	1389	rBV	148944	260835	84.53%	9.830%
42	10.390	1389	1392	1397	rVB2	769	1214	0.39%	0.046%
43	10.506	1407	1411	1416	rBB3	866	1234	0.40%	0.047%
44	10.579	1416	1423	1431	rBB2	31784	53391	17.30%	2.012%
45	10.707	1437	1444	1450	rBV	11900	19639	6.36%	0.740%
46	10.859	1466	1469	1472	rBB	292	289	0.09%	0.011%
47	10.927	1473	1480	1490	rBB	68709	112016	36.30%	4.222%
48	11.073	1498	1504	1512	rBB	17429	27317	8.85%	1.029%
49	11.634	1589	1596	1605	rBB	147014	242674	78.65%	9.146%
50	11.713	1606	1609	1611	rBV	98	148	0.05%	0.006%
51	11.737	1611	1613	1615	rVB	185	146	0.05%	0.006%
52	11.841	1626	1630	1634	rBB2	763	856	0.28%	0.032%
53	12.158	1677	1682	1687	rBB2	239	362	0.12%	0.014%
54	12.237	1692	1695	1699	rBB	475	608	0.20%	0.023%
55	12.341	1706	1712	1718	rBB2	12674	18455	5.98%	0.696%
56	12.615	1751	1757	1763	rBB	29688	47612	15.43%	1.794%
57	12.695	1763	1770	1778	rBB	78281	128915	41.78%	4.858%
58	12.902	1800	1804	1806	rVV2	439	698	0.23%	0.026%
59	12.938	1806	1810	1813	rVB	330	413	0.13%	0.016%
60	13.085	1831	1834	1836	rBB2	304	318	0.10%	0.012%
61	13.286	1859	1867	1872	rBB3	922	1918	0.62%	0.072%
62	13.402	1881	1886	1892	rBB	12941	19158	6.21%	0.722%
63	13.560	1905	1912	1919	rBB	157182	252558	81.85%	9.518%
64	13.652	1921	1927	1935	rBV3	11899	18614	6.03%	0.702%
65	13.859	1954	1961	1968	rBB	152190	246812	79.99%	9.302%
66	14.017	1985	1987	1991	rBV3	899	1145	0.37%	0.043%
67	14.078	1991	1997	2002	rVB2	9344	14334	4.65%	0.540%
68	14.237	2019	2023	2024	rBB2	179	203	0.07%	0.008%
69	14.334	2032	2039	2043	rBV	7397	11075	3.59%	0.417%
70	14.536	2066	2072	2075	rBV3	763	1379	0.45%	0.052%
71	14.572	2076	2078	2079	rVB	253	143	0.05%	0.005%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

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\SOM2WLM122618S.M
Title : VOC Analysis

72	14.670	2089	2094	2096	rBB	270	334	0.11%	0.013%
73	14.859	2124	2125	2128	rVV2	122	132	0.04%	0.005%
74	14.908	2130	2133	2135	rBV	177	158	0.05%	0.006%
75	14.950	2138	2140	2143	rBB	143	146	0.05%	0.006%
76	15.078	2159	2161	2163	rBB	267	160	0.05%	0.006%
77	15.121	2164	2168	2169	rBV	90	134	0.04%	0.005%
78	15.139	2169	2171	2173	rVB	131	119	0.04%	0.004%
79	15.188	2176	2179	2182	rBB2	499	617	0.20%	0.023%
80	15.218	2182	2184	2186	rBB2	186	139	0.05%	0.005%
81	15.365	2204	2208	2209	rBV2	148	188	0.06%	0.007%
82	15.426	2216	2218	2222	rVV	128	185	0.06%	0.007%
83	15.505	2225	2231	2237	rBB3	1102	2134	0.69%	0.080%
84	15.554	2238	2239	2243	rBB3	184	162	0.05%	0.006%
85	15.615	2246	2249	2250	rVB3	116	117	0.04%	0.004%
86	15.645	2252	2254	2256	rBB3	142	123	0.04%	0.005%
87	15.676	2257	2259	2261	rBV	121	128	0.04%	0.005%
88	15.749	2268	2271	2272	rBB	159	129	0.04%	0.005%
89	15.767	2273	2274	2277	rBV	124	125	0.04%	0.005%
90	15.980	2308	2309	2312	rVB	158	142	0.05%	0.005%
91	16.060	2320	2322	2325	rBB	162	132	0.04%	0.005%
92	16.121	2331	2332	2334	rBV	178	117	0.04%	0.004%
93	16.224	2347	2349	2351	rBV	196	202	0.07%	0.008%
94	16.255	2353	2354	2357	rVV	209	200	0.06%	0.008%
95	16.304	2359	2362	2363	rVB	150	144	0.05%	0.005%
96	16.377	2373	2374	2377	rBV	127	133	0.04%	0.005%
97	16.572	2405	2406	2410	rBV	99	156	0.05%	0.006%
98	16.615	2410	2413	2415	rVB	185	175	0.06%	0.007%
99	16.633	2415	2416	2418	rBV	164	111	0.04%	0.004%
100	16.767	2435	2438	2440	rBV	155	215	0.07%	0.008%

Sum of corrected areas: 2653433

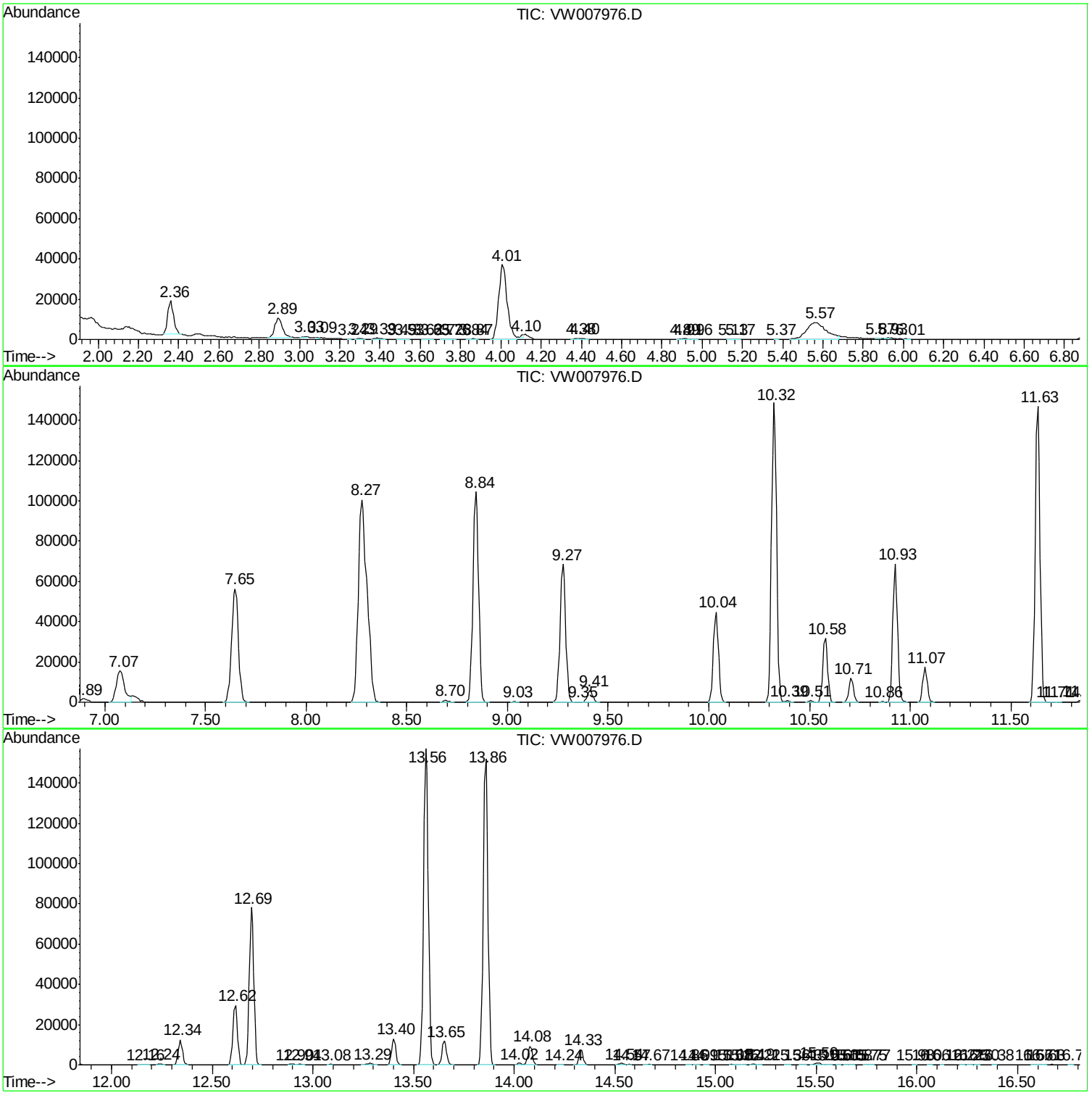
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.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\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

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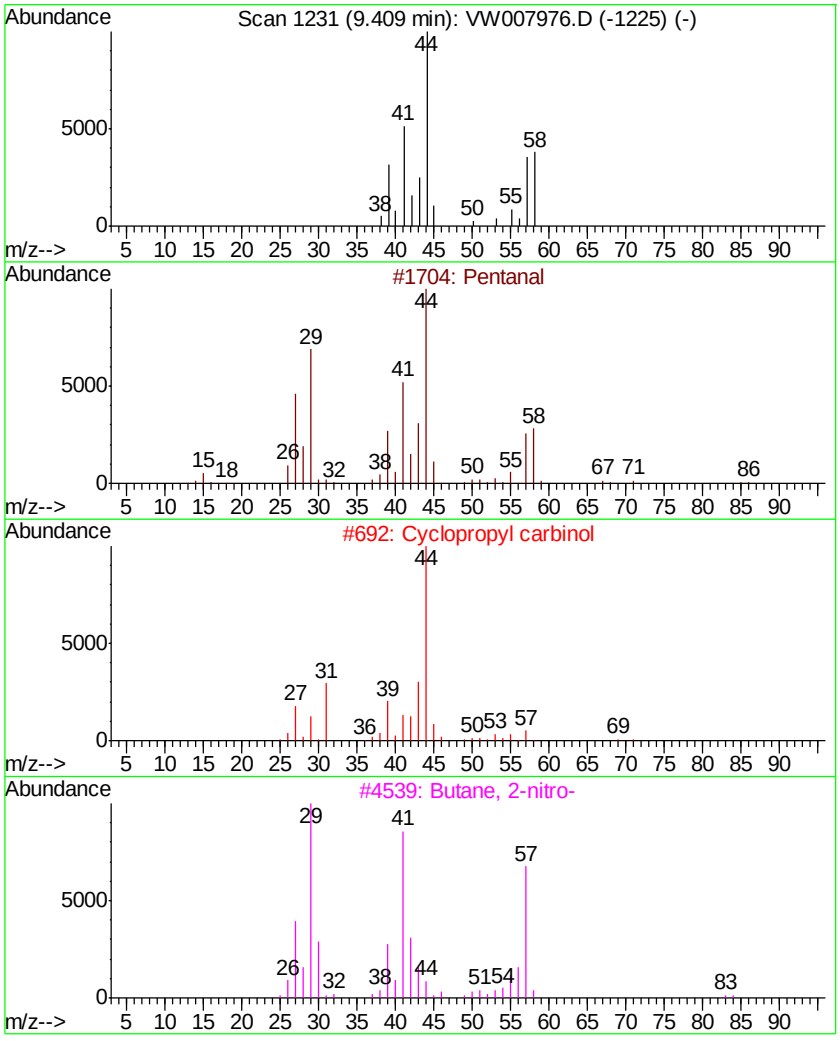
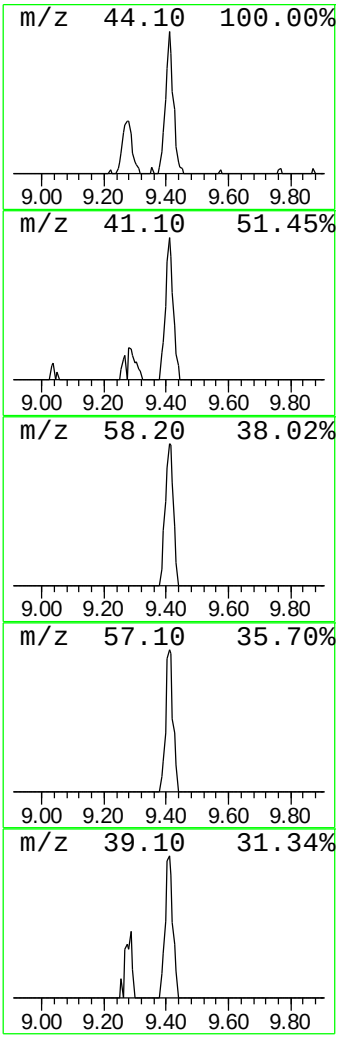
Peak Number 2 Pentanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	1.29 ug/L	10520	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	64
2	Cyclopropyl carbinol	72	C4H8O	002516-33-8	42
3	Butane, 2-nitro-	103	C4H9NO2	000600-24-8	9
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

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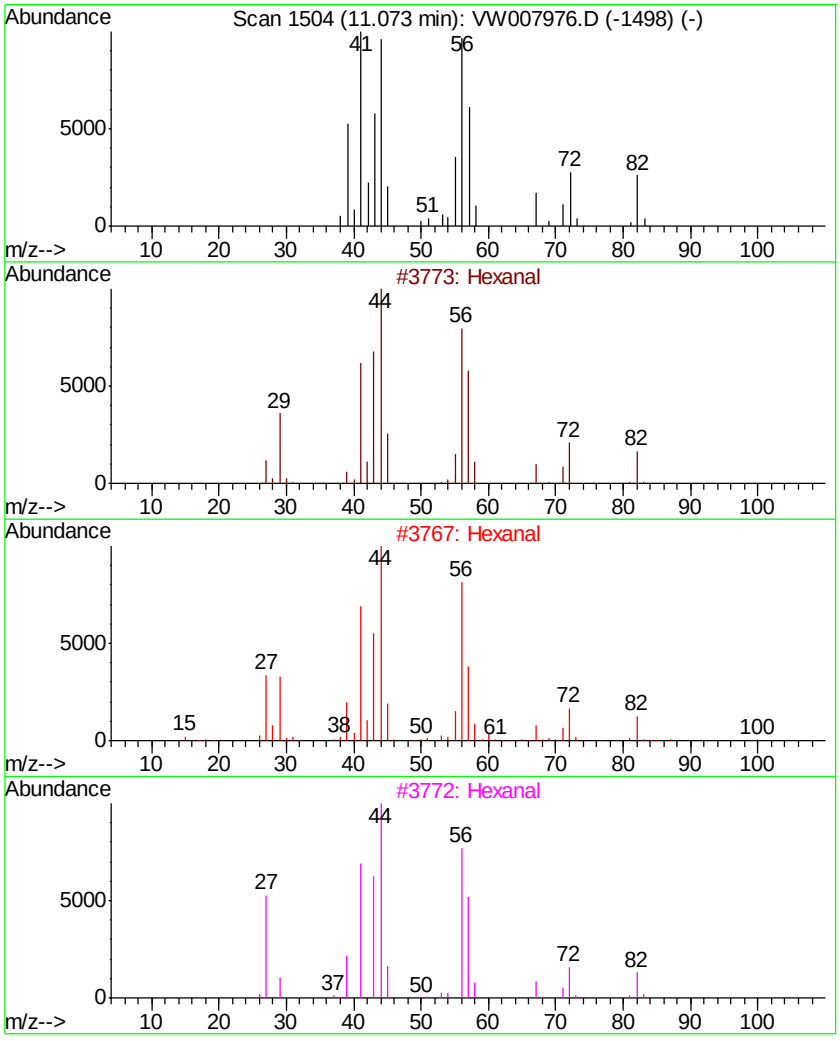
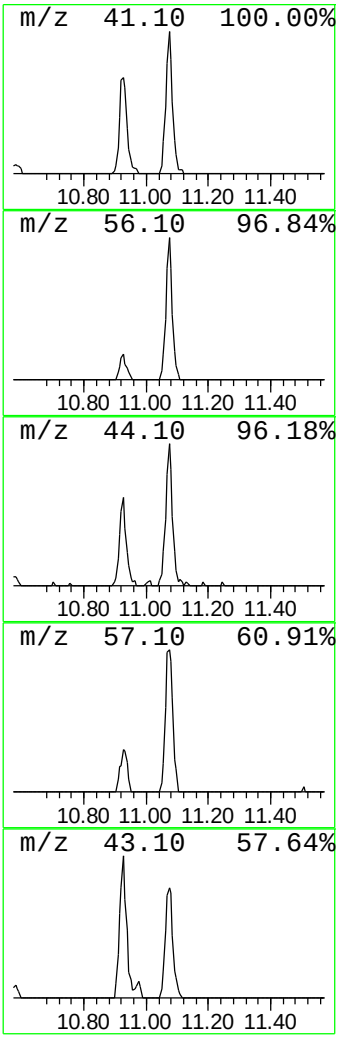
Peak Number 5 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.81 ug/L	27317	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	64
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	59
4	Hexanal	100	C6H12O	000066-25-1	59
5	Butanal	72	C4H8O	000123-72-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

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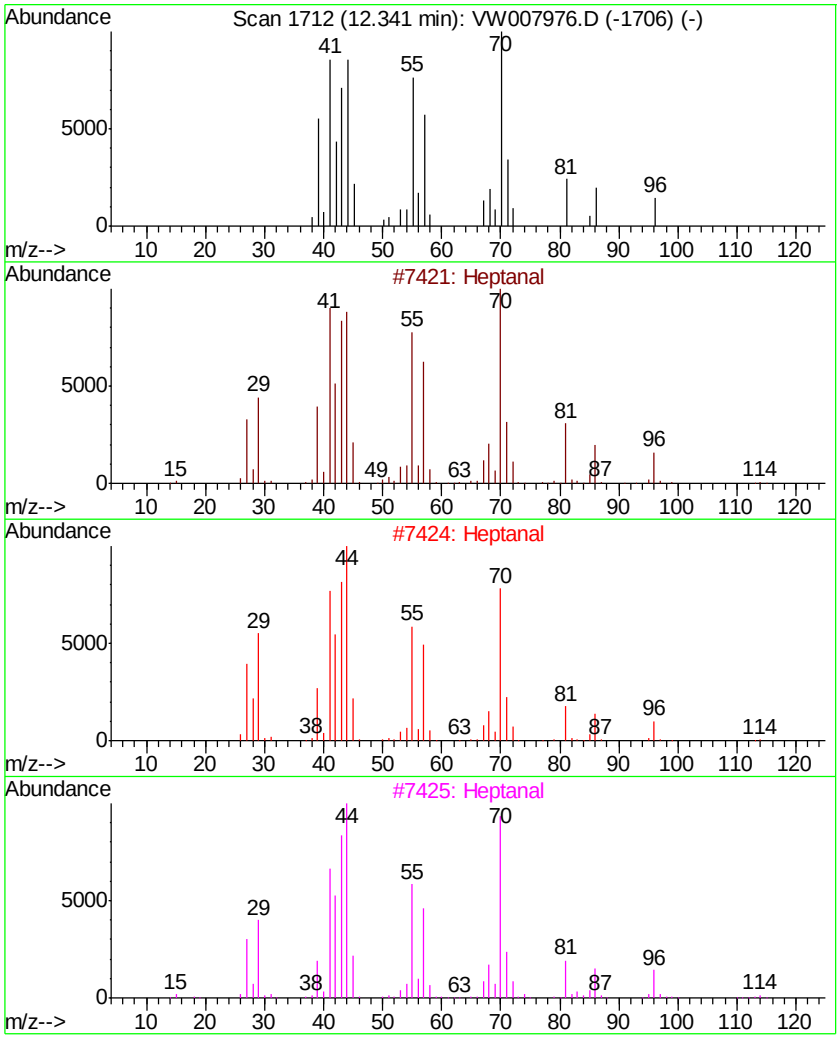
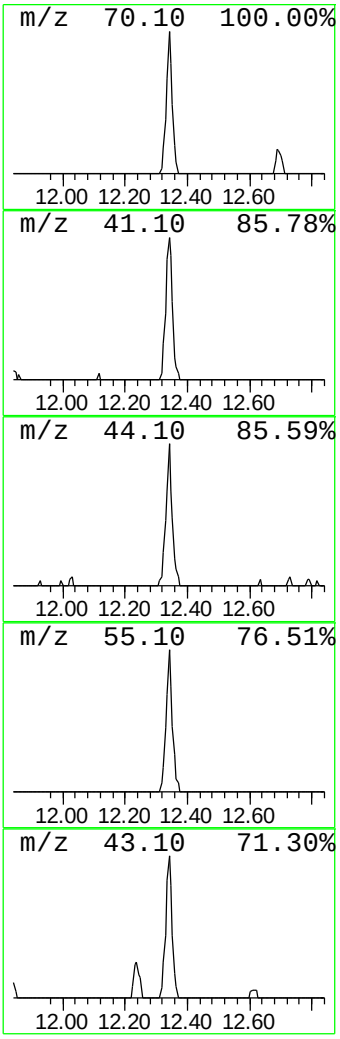
Peak Number 6 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	1.90 ug/L	18455	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	91
2	Heptanal	114	C7H14O	000111-71-7	90
3	Heptanal	114	C7H14O	000111-71-7	86
4	Heptanal	114	C7H14O	000111-71-7	83
5	Heptanal	114	C7H14O	000111-71-7	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

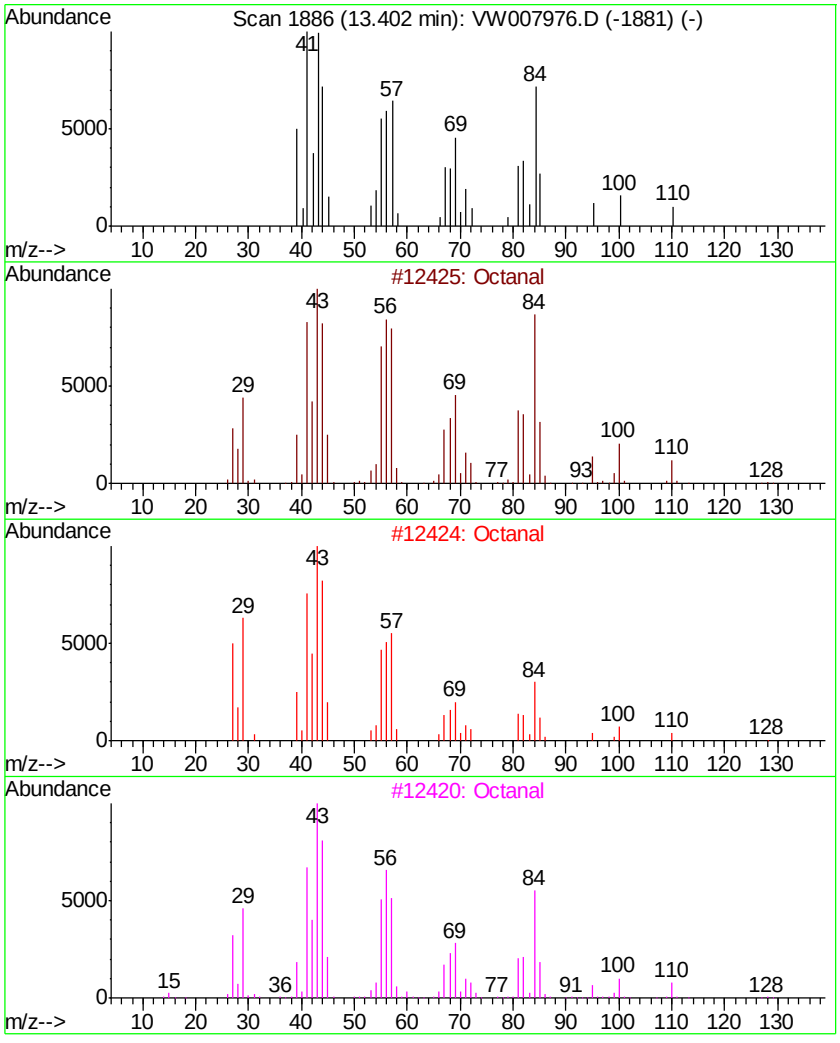
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

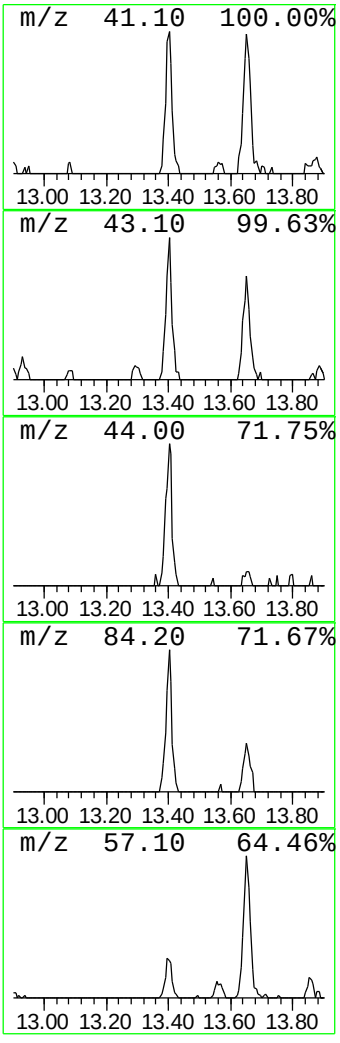
****

Peak Number 8 Octanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	1.90 ug/L	19158	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	90
2	Octanal	128	C8H16O	000124-13-0	78
3	Octanal	128	C8H16O	000124-13-0	64
4	Octanal	128	C8H16O	000124-13-0	64
5	Octanal	128	C8H16O	000124-13-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

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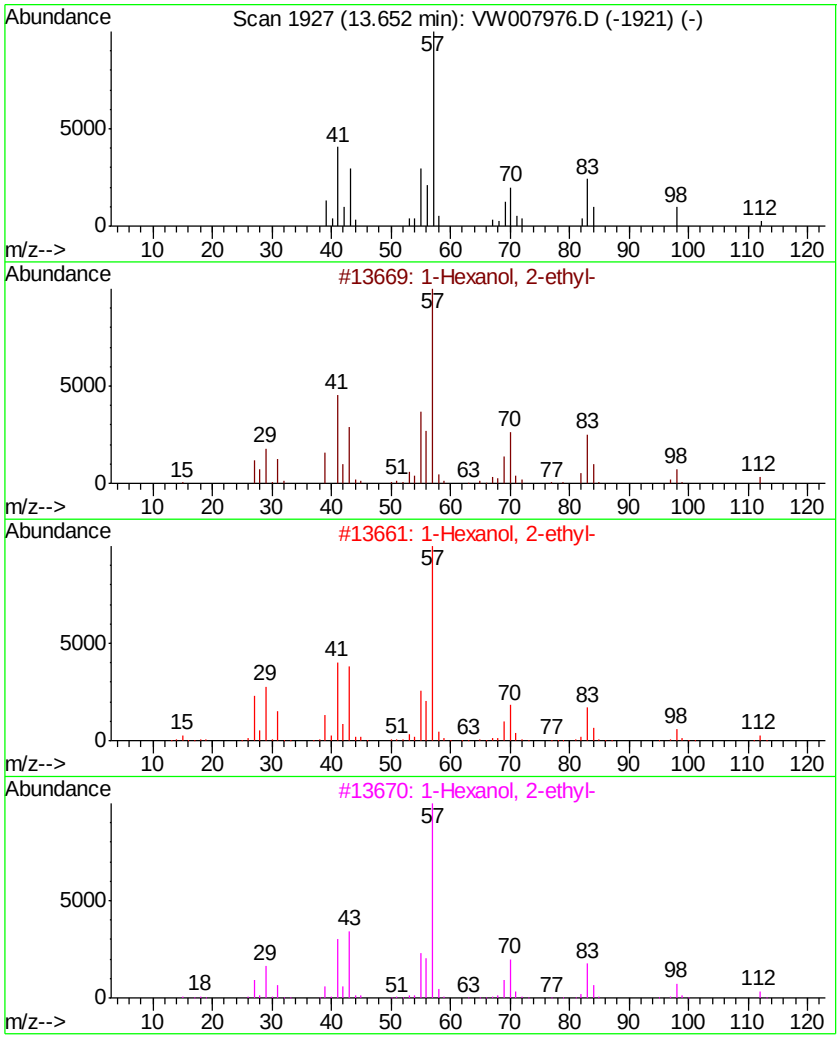
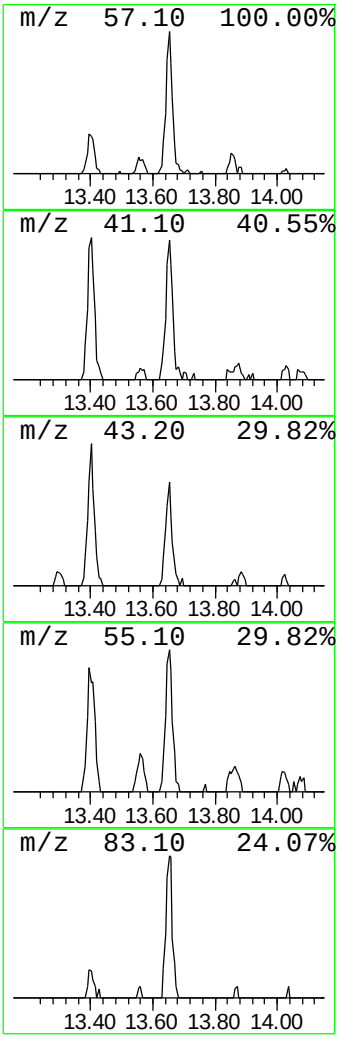
Peak Number 9 1-Hexanol, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	1.84 ug/L	18614	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	83
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007976.D
Acq On : 27 Dec 2018 18:19
Operator : SY/AP
Sample : J6540-04
Misc : 5.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEN7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.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	9.41	1.3	ug/L	10520	1	8.84	204175	25.0
Hexanal	11.07	2.8	ug/L	27317	2	11.63	242674	25.0
Heptanal	12.34	1.9	ug/L	18455	2	11.63	242674	25.0
Octanal	13.40	1.9	ug/L	19158	3	13.56	252558	25.0
1-Hexanol, 2-ethyl-	13.65	1.8	ug/L	18614	3	13.56	252558	25.0