LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050719\
Data File : VW010303.D
Acq On : 07 May 2019 17:33
Operator : SY/VA
Sample : K2690-07
Misc : 5.30G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

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\SOM2WLM050719S.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	91	rVB	73502	217620	8.48%	1.173%
2	2.885	155	161	173	rVB2	70025	193716	7.55%	1.045%
3	3.379	238	242	250	rVB3	9624	21351	0.83%	0.115%
4	4.007	333	345	358	rBV2	192715	670847	26.15%	3.617%
5	4.397	399	409	418	rBV2	14150	47335	1.85%	0.255%
6	4.568	434	437	439	rBV3	988	1171	0.05%	0.006%
7	4.598	439	442	445	rVV4	981	1551	0.06%	0.008%
8	4.666	445	453	464	rVB2	8554	25964	1.01%	0.140%
9	4.922	483	495	518	rVB2	38357	171626	6.69%	0.925%
10	5.165	530	535	536	rBV4	1425	2338	0.09%	0.013%
11	5.397	571	573	574	rBV	1428	1144	0.04%	0.006%
12	5.556	598	599	604	rVB3	1052	1164	0.05%	0.006%
13	5.617	607	609	611	rBV3	990	1131	0.04%	0.006%
14	5.678	616	619	622	rVB4	1032	1099	0.04%	0.006%
15	5.745	622	630	631	rBV3	2456	3846	0.15%	0.021%
16	5.775	632	635	636	rBV2	1188	1286	0.05%	0.007%
17	5.927	651	660	673	rVB4	6693	20782	0.81%	0.112%
18	6.110	685	690	693	rBV6	1838	3465	0.14%	0.019%
19	6.190	701	703	705	rBV3	1610	1718	0.07%	0.009%
20	6.897	807	819	828	rBV2	14449	43520	1.70%	0.235%
21	7.074	839	848	861	rBV	109664	306801	11.96%	1.654%
22	7.506	908	919	922	rBV5	3464	9800	0.38%	0.053%
23	7.647	931	942	957	rVB	383814	949292	37.00%	5.119%
24	7.878	971	980	985	rBV7	2472	5737	0.22%	0.031%
25	7.945	985	991	996	rVV5	3142	6438	0.25%	0.035%
26	8.067	1003	1011	1013	rVB6	1016	2277	0.09%	0.012%
27	8.269	1031	1044	1060	rBV2	703581	2189198	85.33%	11.804%
28	8.506	1081	1083	1084	rBV2	1350	1360	0.05%	0.007%
29	8.549	1084	1090	1097	rVB4	7349	16795	0.65%	0.091%
30	8.707	1109	1116	1128	rVB3	10494	27798	1.08%	0.150%
31	8.842	1128	1138	1147	rBV	724683	1425501	55.56%	7.686%
32	9.037	1167	1170	1171	rBV3	1830	2484	0.10%	0.013%
33	9.079	1174	1177	1184	rVB6	7864	13799	0.54%	0.074%
34	9.274	1200	1209	1221	rVV	531137	1081060	42.14%	5.829%

LSC Area Percent Report

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Acq On : 07 May 2019 17:33
Operator : SY/VA
Sample : K2690-07
Misc : 5.30G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

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\SOM2WLM050719S.M
Title : VOC Analysis

35	9.409	1224	1231	1242	rVV	163493	313496	12.22%	1.690%
36	9.506	1245	1247	1249	rVB2	1041	1067	0.04%	0.006%
37	9.579	1258	1259	1263	rVB3	1124	1164	0.05%	0.006%
38	9.652	1263	1271	1278	rBV6	6229	14996	0.58%	0.081%
39	9.927	1314	1316	1321	rBV4	704	1062	0.04%	0.006%
40	10.030	1325	1333	1344	rBV	274111	500320	19.50%	2.698%
41	10.122	1344	1348	1350	rVV4	2706	4612	0.18%	0.025%
42	10.158	1350	1354	1359	rVV4	5677	9853	0.38%	0.053%
43	10.207	1359	1362	1369	rVB5	4728	8569	0.33%	0.046%
44	10.323	1371	1381	1388	rBV	900204	1559101	60.77%	8.407%
45	10.384	1388	1391	1399	rVB2	9692	19084	0.74%	0.103%
46	10.494	1404	1409	1414	rVB8	2733	5409	0.21%	0.029%
47	10.579	1416	1423	1431	rBV	195239	343598	13.39%	1.853%
48	10.707	1438	1444	1450	rBV3	9513	18972	0.74%	0.102%
49	10.780	1453	1456	1462	rVB4	3554	5221	0.20%	0.028%
50	10.841	1463	1466	1468	rBV2	4225	5299	0.21%	0.029%
51	10.927	1473	1480	1493	rBV	488576	813725	31.72%	4.388%
52	11.073	1497	1504	1519	rVB	1601467	2565517	100.00%	13.833%
53	11.231	1528	1530	1535	rVB4	2331	3293	0.13%	0.018%
54	11.335	1544	1547	1548	rBV3	1058	1268	0.05%	0.007%
55	11.402	1555	1558	1566	rVB6	3206	6060	0.24%	0.033%
56	11.628	1588	1595	1606	rVB	902880	1554809	60.60%	8.384%
57	11.731	1606	1612	1618	rVB4	6139	12362	0.48%	0.067%
58	11.835	1622	1629	1640	rBV2	29235	65140	2.54%	0.351%
59	11.951	1643	1648	1654	rVV9	5385	11269	0.44%	0.061%
60	12.018	1657	1659	1664	rVB5	3403	3996	0.16%	0.022%
61	12.176	1678	1685	1690	rBV6	6589	14931	0.58%	0.081%
62	12.237	1691	1695	1702	rVB3	4936	9211	0.36%	0.050%
63	12.341	1704	1712	1717	rBV	41059	70606	2.75%	0.381%
64	12.463	1727	1732	1739	rBV5	3156	7865	0.31%	0.042%
65	12.615	1751	1757	1762	rVB3	16561	26827	1.05%	0.145%
66	12.695	1763	1770	1778	rVB	454429	722560	28.16%	3.896%
67	12.768	1780	1782	1788	rVB6	2440	4000	0.16%	0.022%
68	12.884	1799	1801	1802	rBV2	1463	1212	0.05%	0.007%
69	12.908	1802	1805	1806	rVV4	2990	3460	0.13%	0.019%
70	12.932	1806	1809	1815	rVB5	5486	10086	0.39%	0.054%
71	13.042	1823	1827	1832	rBV2	9149	16760	0.65%	0.090%

LSC Area Percent Report

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Misc : 5.30G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

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\SOM2WLM050719S.M
Title : VOC Analysis

72	13.097	1832	1836	1841	rVV5	10485	17620	0.69%	0.095%
73	13.158	1841	1846	1852	rVV	33053	52557	2.05%	0.283%
74	13.213	1852	1855	1860	rVB4	9732	14991	0.58%	0.081%
75	13.396	1880	1885	1892	rBV2	30995	50777	1.98%	0.274%
76	13.560	1905	1912	1919	rBV	630423	998546	38.92%	5.384%
77	13.652	1923	1927	1933	rVB2	21915	37390	1.46%	0.202%
78	13.761	1943	1945	1947	rVB3	1828	1335	0.05%	0.007%
79	13.853	1953	1960	1973	rBV	526550	902502	35.18%	4.866%
80	14.018	1984	1987	1991	rBV6	3506	5593	0.22%	0.030%
81	14.078	1991	1997	2005	rVB	40893	68916	2.69%	0.372%
82	14.328	2032	2038	2045	rBV3	28132	47122	1.84%	0.254%
83	14.420	2051	2053	2058	rVB6	2956	3901	0.15%	0.021%
84	14.493	2062	2065	2067	rVV3	2440	3067	0.12%	0.017%
85	14.524	2067	2070	2077	rVB5	8917	13882	0.54%	0.075%
86	14.633	2084	2088	2092	rVB4	5120	8780	0.34%	0.047%
87	14.694	2096	2098	2101	rVV3	2548	3474	0.14%	0.019%
88	14.725	2101	2103	2111	rVB7	4589	7078	0.28%	0.038%
89	14.804	2111	2116	2120	rBV7	1830	4070	0.16%	0.022%
90	14.956	2137	2141	2146	rBV6	5489	9860	0.38%	0.053%
91	15.072	2157	2160	2163	rBV4	2138	2371	0.09%	0.013%
92	15.188	2176	2179	2185	rVB4	5271	7339	0.29%	0.040%
93	15.255	2186	2190	2195	rVB5	6843	10214	0.40%	0.055%
94	15.365	2202	2208	2213	rBV6	5833	12657	0.49%	0.068%
95	15.505	2225	2231	2236	rBV	17569	33728	1.31%	0.182%
96	15.859	2284	2289	2295	rBV7	7482	14099	0.55%	0.076%
97	16.096	2326	2328	2329	rBV2	1455	1130	0.04%	0.006%
98	16.291	2358	2360	2363	rBV3	839	1215	0.05%	0.007%
99	16.462	2384	2388	2391	rBV6	1436	2216	0.09%	0.012%
100	16.669	2420	2422	2426	rVB3	1395	1766	0.07%	0.010%

Sum of corrected areas: 18545990

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050719\
Data File : VW010303.D
Acq On : 07 May 2019 17:33
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Sample : K2690-07
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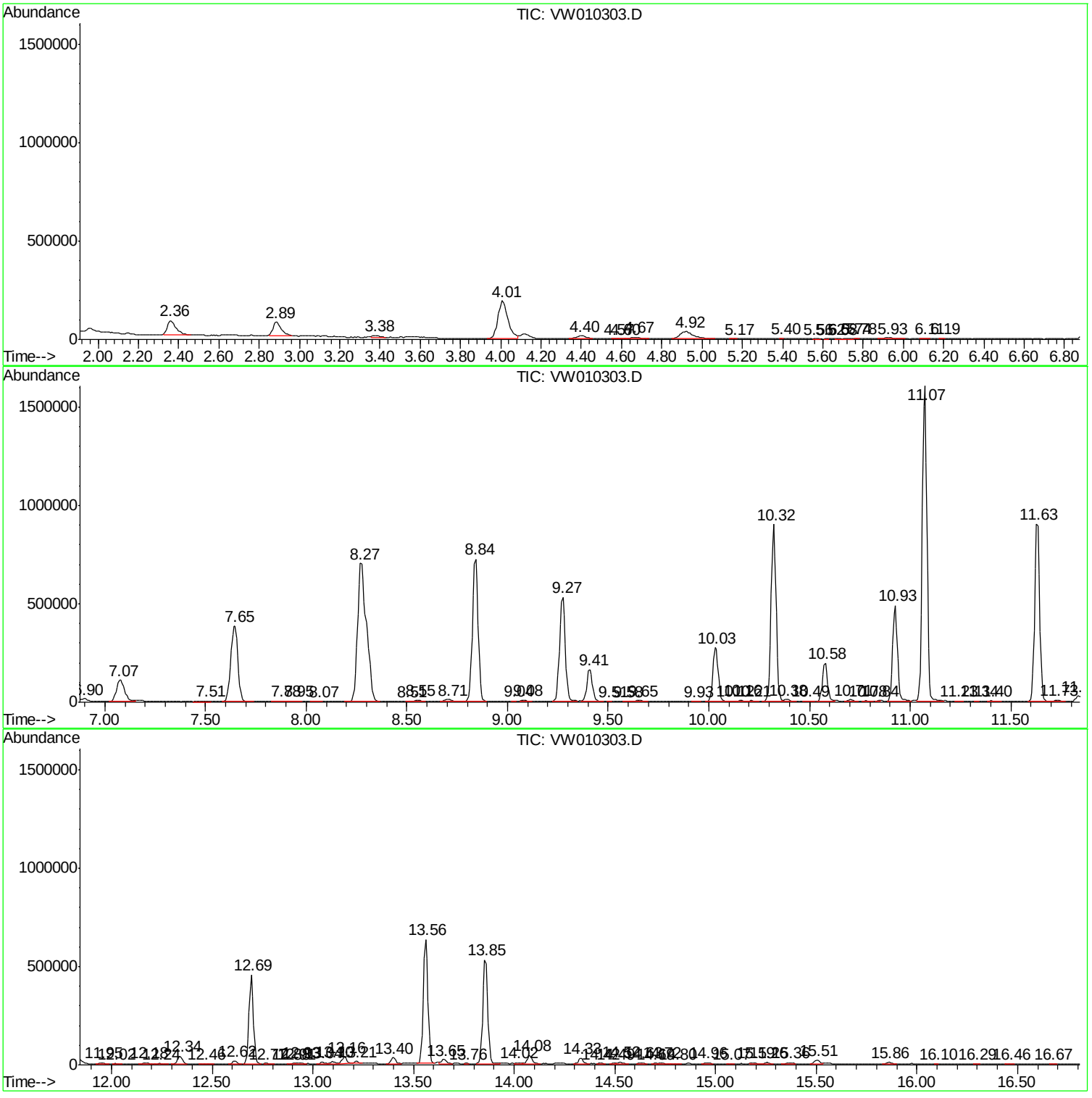
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.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\VW050719\
Data File : VW010303.D
Acq On : 07 May 2019 17:33
Operator : SY/VA
Sample : K2690-07
Misc : 5.30G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis

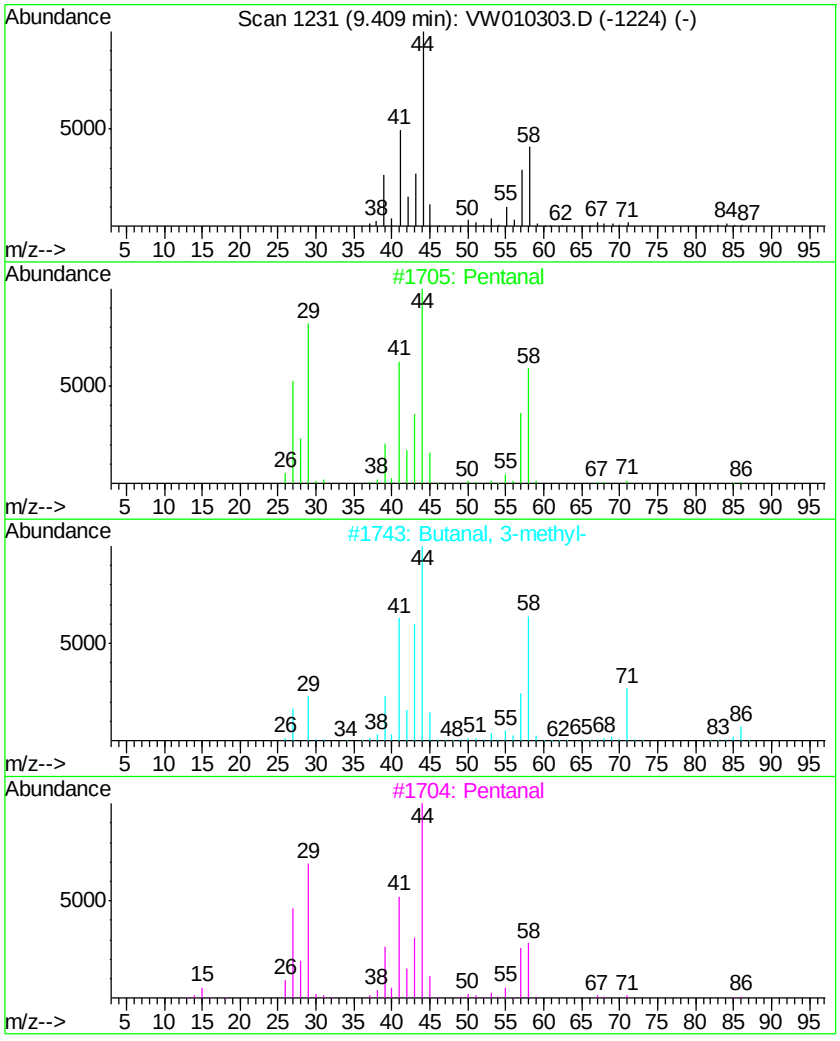
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

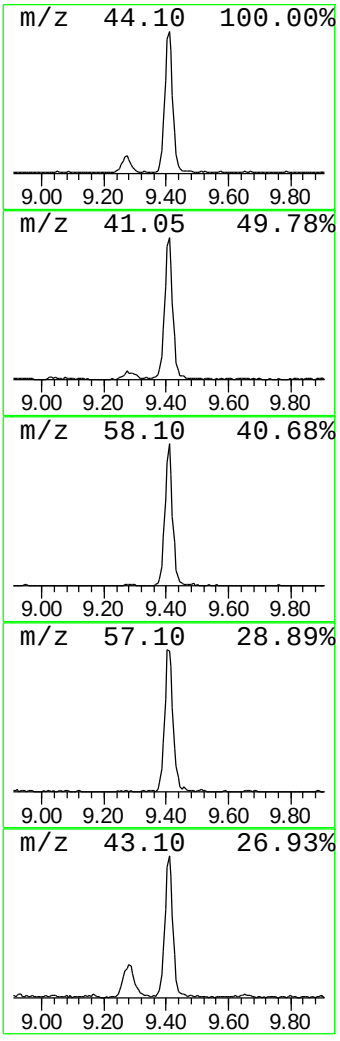
****

Peak Number 1 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	5.50 ug/L	313496	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	87
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
3	Pentanal	86	C5H10O	000110-62-3	78
4	Pentanal	86	C5H10O	000110-62-3	78
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050719\
Data File : VW010303.D
Acq On : 07 May 2019 17:33
Operator : SY/VA
Sample : K2690-07
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis

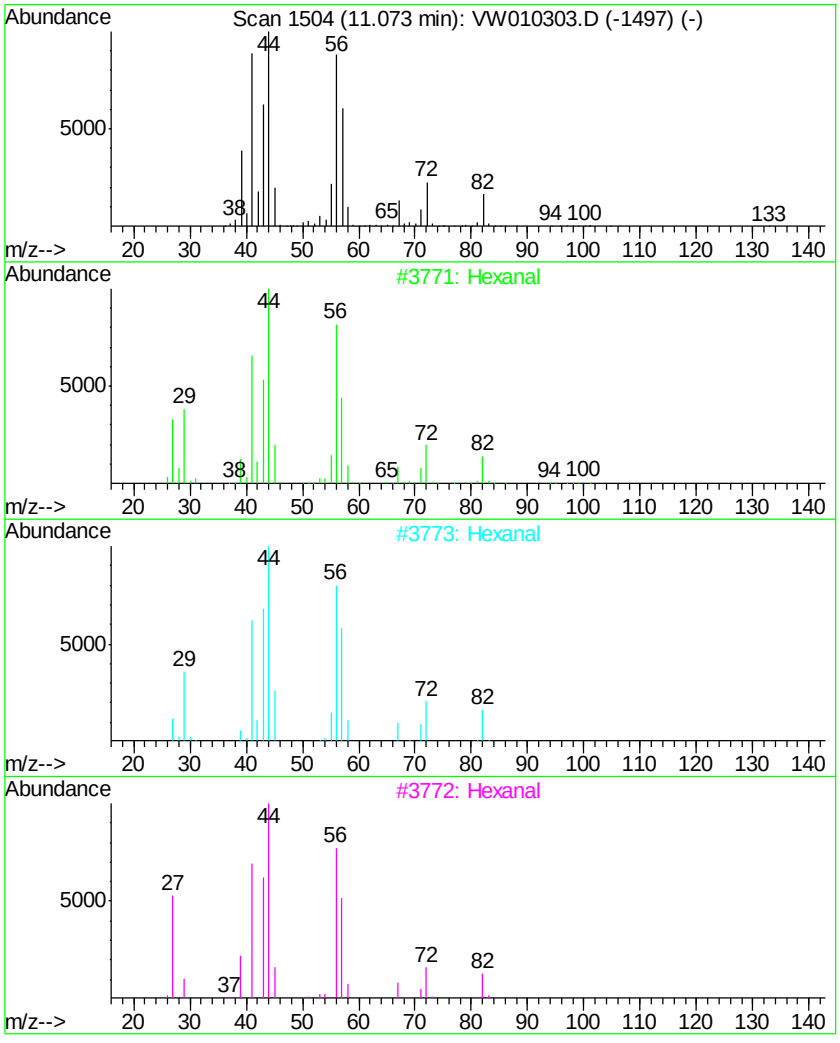
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

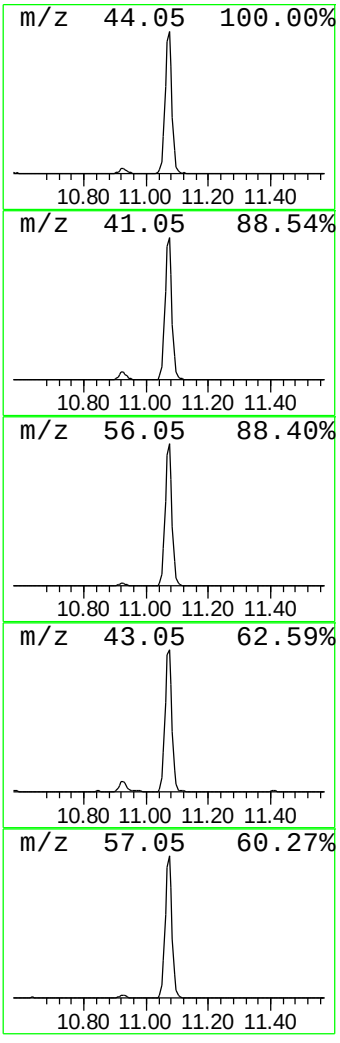
****

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	41.25 ug/L	2565520	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	80
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	72
4	Hexanal	100	C6H12O	000066-25-1	72
5	Butanal	72	C4H8O	000123-72-8	38





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis

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

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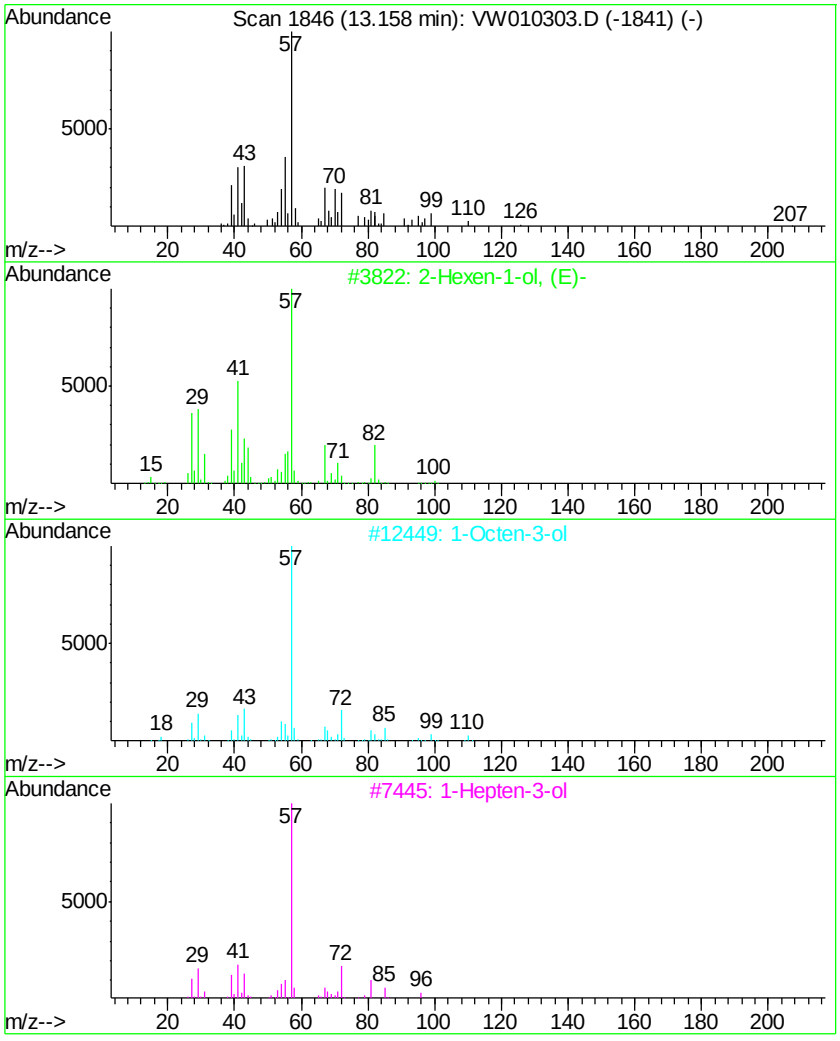
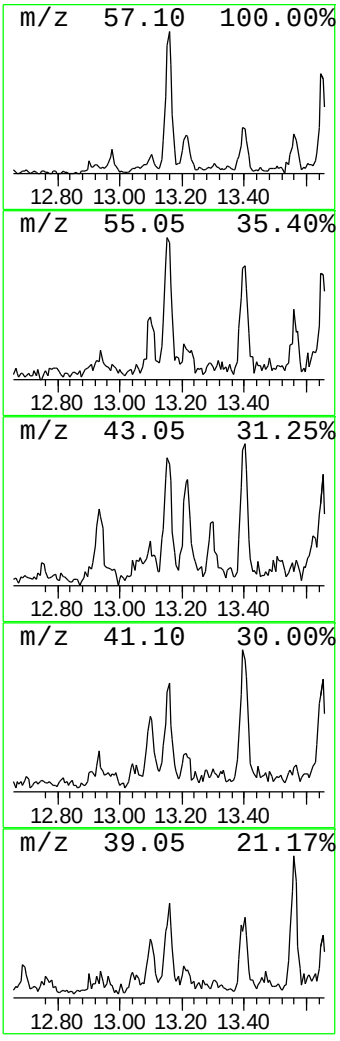
Peak Number 4 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	1.32 ug/L	52557	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	38
2	1-Octen-3-ol	128	C8H16O	003391-86-4	38
3	1-Hepten-3-ol	114	C7H14O	004938-52-7	35
4	1-Octen-3-ol	128	C8H16O	003391-86-4	32
5	2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	28





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Data File : VW010303.D
Acq On : 07 May 2019 17:33
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis

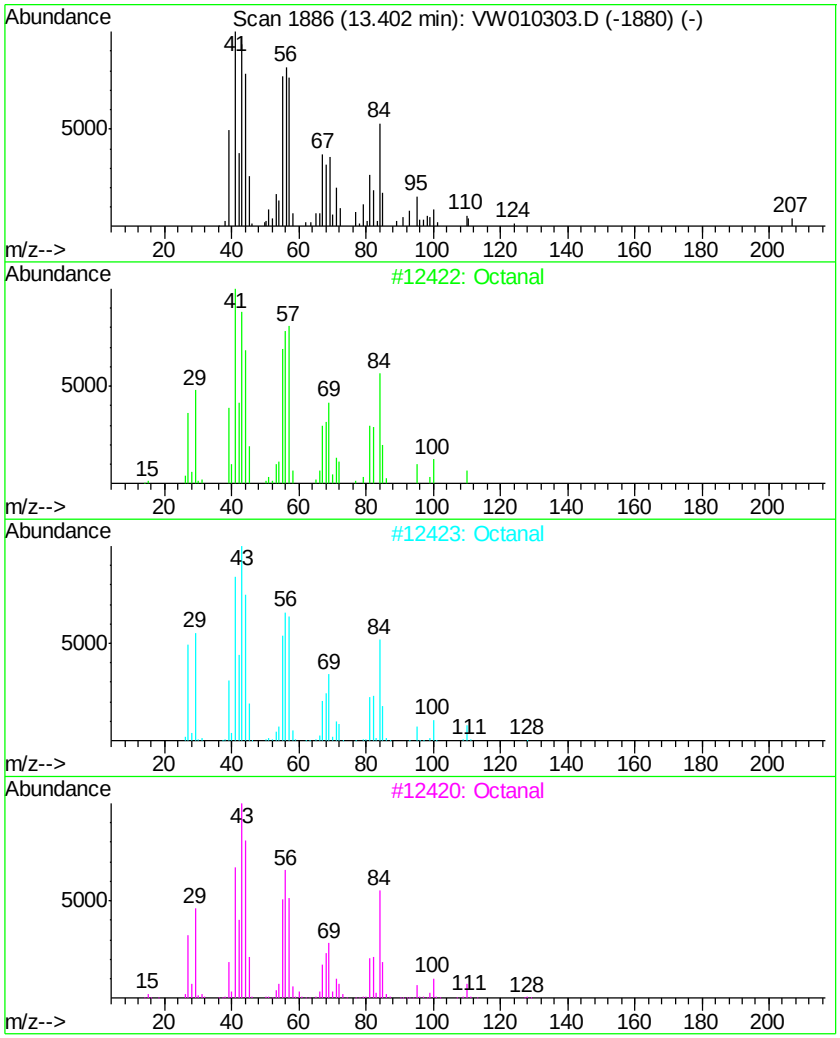
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

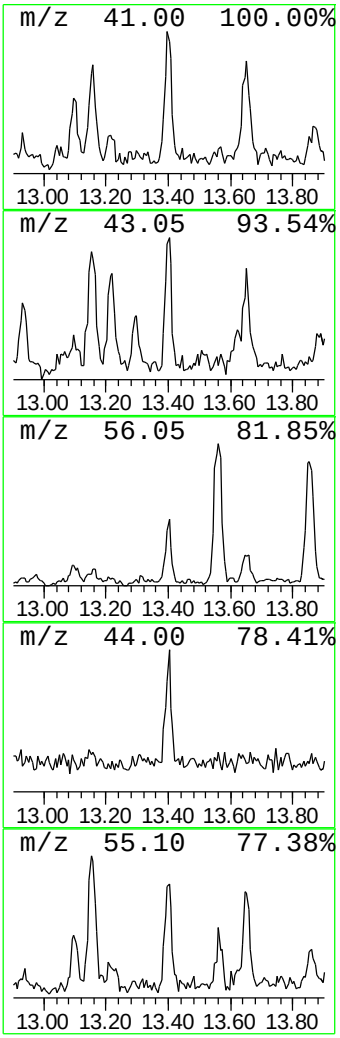
****

Peak Number 5 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	1.27 ug/L	50777	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	86
2	Octanal	128	C8H16O	000124-13-0	64
3	Octanal	128	C8H16O	000124-13-0	53
4	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	38
5	Cyclopentanol, 2-methyl-	100	C6H12O	024070-77-7	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050719\
Data File : VW010303.D
Acq On : 07 May 2019 17:33
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Misc : 5.30G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis

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

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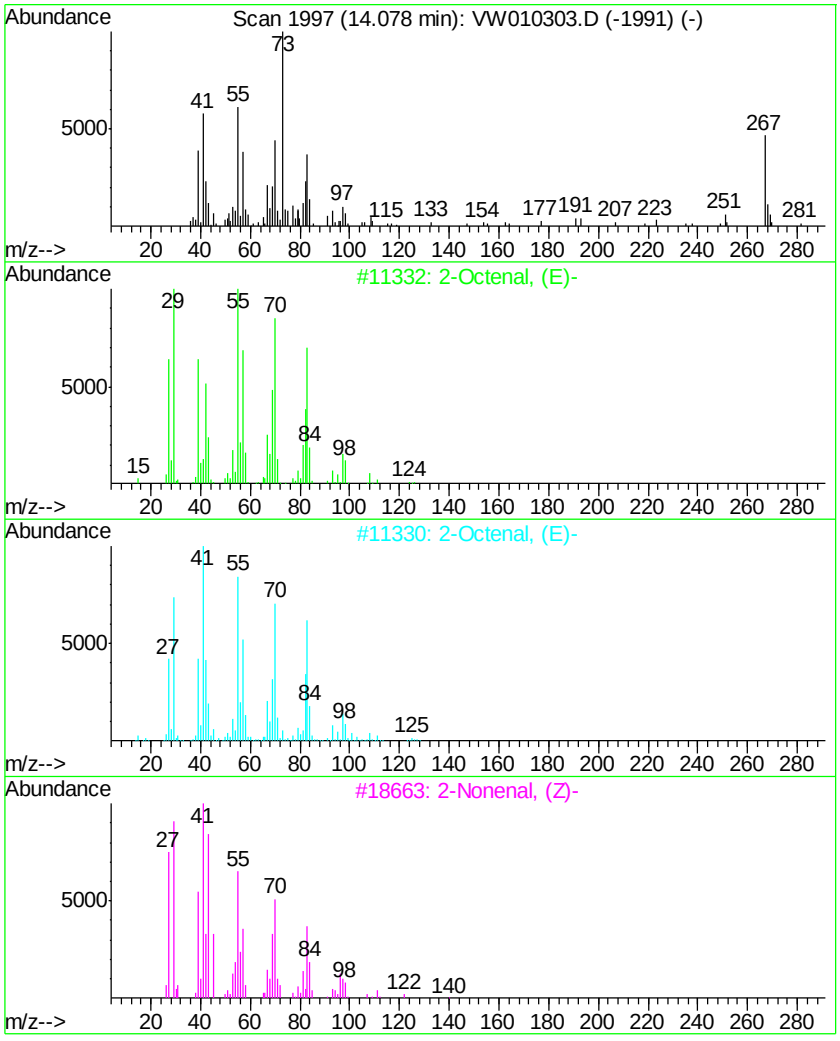
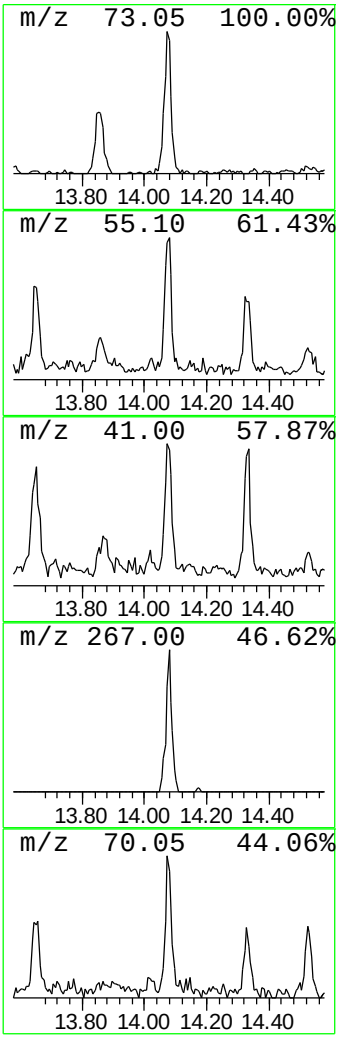
Peak Number 6 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	1.73 ug/L	68916	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	43
2	2-Octenal, (E)-	126	C8H14O	002548-87-0	43
3	2-Nonenal, (Z)-	140	C9H16O	060784-31-8	27
4	8-Hexadecenal, 14-methyl-, (Z)-	252	C17H32O	060609-53-2	25
5	2-Propen-1-amine, N-2-propenyl-	97	C6H11N	000124-02-7	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050719\
Data File : VW010303.D
Acq On : 07 May 2019 17:33
Operator : SY/VA
Sample : K2690-07
Misc : 5.30G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A5153

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.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	5.5	ug/L	313496	1	8.84	1425500	25.0
Hexanal	11.07	41.3	ug/L	2565520	2	11.63	1554810	25.0
unknown-01	13.16	1.3	ug/L	52557	3	13.56	998546	25.0
Octanal	13.40	1.3	ug/L	50777	3	13.56	998546	25.0
unknown-02	14.08	1.7	ug/L	68916	3	13.56	998546	25.0