LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102618\
Data File : VW006364.D
Acq On : 25 Oct 2018 15:04
Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

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\SOM2WLM100918S.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	54416	118427	5.61%	0.996%
2	2.898	156	163	179	rVB	47653	134012	6.35%	1.127%
3	3.855	317	320	327	rVB4	1321	2661	0.13%	0.022%
4	3.910	327	329	332	rVB2	410	322	0.02%	0.003%
5	4.013	334	346	362	rBV2	115140	334835	15.86%	2.816%
6	4.153	363	369	372	rBV3	2021	4351	0.21%	0.037%
7	4.446	410	417	418	rBV4	523	958	0.05%	0.008%
8	4.489	422	424	427	rBV2	507	459	0.02%	0.004%
9	4.605	439	443	448	rBV4	605	1207	0.06%	0.010%
10	4.696	455	458	459	rBV2	282	304	0.01%	0.003%
11	4.916	485	494	506	rVB2	5512	15978	0.76%	0.134%
12	5.147	530	532	533	rBV2	361	276	0.01%	0.002%
13	5.251	546	549	550	rVB	300	294	0.01%	0.002%
14	5.623	608	610	614	rVV2	157	263	0.01%	0.002%
15	5.787	628	637	646	rVB2	5394	15602	0.74%	0.131%
16	5.934	652	661	671	rBV3	1037	2824	0.13%	0.024%
17	6.251	709	713	717	rBV	280	361	0.02%	0.003%
18	6.842	807	810	814	rVB2	242	386	0.02%	0.003%
19	7.098	840	852	858	rBV	29852	92240	4.37%	0.776%
20	7.439	905	908	909	rBV2	271	269	0.01%	0.002%
21	7.476	909	914	915	rVV3	425	684	0.03%	0.006%
22	7.549	923	926	931	rVV2	704	759	0.04%	0.006%
23	7.653	933	943	957	rVV	183137	435333	20.63%	3.661%
24	7.836	971	973	977	rVB2	342	323	0.02%	0.003%
25	7.952	990	992	995	rVB2	313	308	0.01%	0.003%
26	8.281	1036	1046	1063	rBV2	334567	1017156	48.19%	8.553%
27	8.397	1063	1065	1067	rVV2	330	415	0.02%	0.003%
28	8.592	1092	1097	1100	rBV2	299	527	0.02%	0.004%
29	8.622	1100	1102	1105	rBV3	265	307	0.01%	0.003%
30	8.701	1110	1115	1116	rBV3	614	881	0.04%	0.007%
31	8.848	1130	1139	1151	rVV	402006	792249	37.54%	6.662%
32	9.073	1167	1176	1182	rBV5	1431	3478	0.16%	0.029%
33	9.281	1201	1210	1219	rBV	232006	473695	22.44%	3.983%
34	9.415	1230	1232	1235	rBV3	287	276	0.01%	0.002%

LSC Area Percent Report

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Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

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\SOM2WLM100918S.M
Title : VOC Analysis

35	9.445	1235	1237	1241	rVB3	406	615	0.03%	0.005%
36	9.482	1241	1243	1247	rBV2	192	284	0.01%	0.002%
37	9.671	1268	1274	1277	rBV3	1249	2297	0.11%	0.019%
38	9.933	1313	1317	1320	rBV2	286	534	0.03%	0.004%
39	10.037	1326	1334	1342	rBV	113141	203872	9.66%	1.714%
40	10.122	1344	1348	1355	rVB3	885	1699	0.08%	0.014%
41	10.219	1362	1364	1366	rBV3	286	267	0.01%	0.002%
42	10.250	1366	1369	1373	rBV3	263	342	0.02%	0.003%
43	10.329	1373	1382	1389	rBV	488756	863091	40.89%	7.257%
44	10.390	1389	1392	1393	rVV	2477	3008	0.14%	0.025%
45	10.433	1393	1399	1406	rVB	66596	108629	5.15%	0.913%
46	10.579	1416	1423	1431	rBV	74091	130897	6.20%	1.101%
47	10.707	1438	1444	1450	rBV2	3852	6848	0.32%	0.058%
48	10.866	1463	1470	1475	rBV	9045	15274	0.72%	0.128%
49	10.933	1475	1481	1491	rVB	124290	216506	10.26%	1.821%
50	11.030	1491	1497	1502	rBV	25033	37696	1.79%	0.317%
51	11.238	1529	1531	1534	rBV3	230	298	0.01%	0.003%
52	11.420	1558	1561	1565	rVV3	266	414	0.02%	0.003%
53	11.451	1565	1566	1569	rVV2	289	291	0.01%	0.002%
54	11.634	1589	1596	1607	rVV	523036	898648	42.58%	7.556%
55	11.713	1607	1609	1616	rVB2	1917	2571	0.12%	0.022%
56	11.817	1625	1626	1627	rVV	562	275	0.01%	0.002%
57	11.853	1627	1632	1634	rVV5	1358	2271	0.11%	0.019%
58	11.878	1634	1636	1638	rVB3	477	399	0.02%	0.003%
59	11.975	1650	1652	1653	rBV2	424	294	0.01%	0.002%
60	12.055	1663	1665	1667	rVB2	587	372	0.02%	0.003%
61	12.213	1689	1691	1695	rVB3	233	267	0.01%	0.002%
62	12.243	1695	1696	1700	rVB3	343	333	0.02%	0.003%
63	12.372	1712	1717	1722	rBV	5257	8395	0.40%	0.071%
64	12.475	1725	1734	1740	rBV	248279	442280	20.96%	3.719%
65	12.701	1767	1771	1807	rVB5	459213	2110554	100.00%	17.747%
66	12.969	1807	1815	1816	rBV6	6346	13821	0.65%	0.116%
67	13.030	1819	1825	1831	rBV	311058	523596	24.81%	4.403%
68	13.414	1886	1888	1894	rVB5	7408	10902	0.52%	0.092%
69	13.475	1894	1898	1906	rBV3	11816	22589	1.07%	0.190%
70	13.566	1906	1913	1925	rVV	485557	799794	37.89%	6.725%
71	13.725	1934	1939	1943	rBV5	1803	3182	0.15%	0.027%

LSC Area Percent Report

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Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

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\SOM2WLM100918S.M
Title : VOC Analysis

72	13.774	1943	1947	1954	rVV6	2106	4261	0.20%	0.036%
73	13.859	1954	1961	1969	rVV	408007	666018	31.56%	5.600%
74	13.938	1972	1974	1975	rVV2	633	509	0.02%	0.004%
75	13.963	1975	1978	1981	rVB4	1081	1379	0.07%	0.012%
76	14.005	1981	1985	1990	rBV5	3030	5325	0.25%	0.045%
77	14.048	1990	1992	1993	rVV2	607	443	0.02%	0.004%
78	14.085	1993	1998	2006	rVB2	9848	16099	0.76%	0.135%
79	14.207	2013	2018	2020	rBV5	489	713	0.03%	0.006%
80	14.280	2028	2030	2031	rBV2	548	409	0.02%	0.003%
81	14.402	2031	2050	2065	rBV	255460	1023993	48.52%	8.610%
82	14.700	2093	2099	2102	rBV4	921	1515	0.07%	0.013%
83	14.731	2102	2104	2108	rVB5	1009	1361	0.06%	0.011%
84	14.798	2108	2115	2116	rBV7	3102	5329	0.25%	0.045%
85	14.841	2116	2122	2127	rVV9	6528	21024	1.00%	0.177%
86	14.914	2127	2134	2141	rVB6	7612	22700	1.08%	0.191%
87	15.078	2159	2161	2167	rVB7	1205	1603	0.08%	0.013%
88	15.139	2167	2171	2179	rBV3	4015	7314	0.35%	0.062%
89	15.255	2188	2190	2192	rBV3	657	563	0.03%	0.005%
90	15.316	2195	2200	2206	rVB	9247	15357	0.73%	0.129%
91	15.511	2227	2232	2238	rVB3	3527	6505	0.31%	0.055%
92	15.651	2244	2255	2269	rVB5	12257	52489	2.49%	0.441%
93	15.816	2278	2282	2287	rVB7	1095	1699	0.08%	0.014%
94	15.871	2289	2291	2293	rVB3	819	646	0.03%	0.005%
95	15.895	2293	2295	2296	rBV2	829	738	0.03%	0.006%
96	16.072	2307	2324	2340	rVB4	25405	141958	6.73%	1.194%
97	16.182	2340	2342	2347	rVB5	781	916	0.04%	0.008%
98	16.285	2355	2359	2361	rBV5	994	1390	0.07%	0.012%
99	16.481	2388	2391	2394	rBV4	1766	3155	0.15%	0.027%
100	16.724	2427	2431	2432	rBV3	1092	1213	0.06%	0.010%

Sum of corrected areas: 11892449

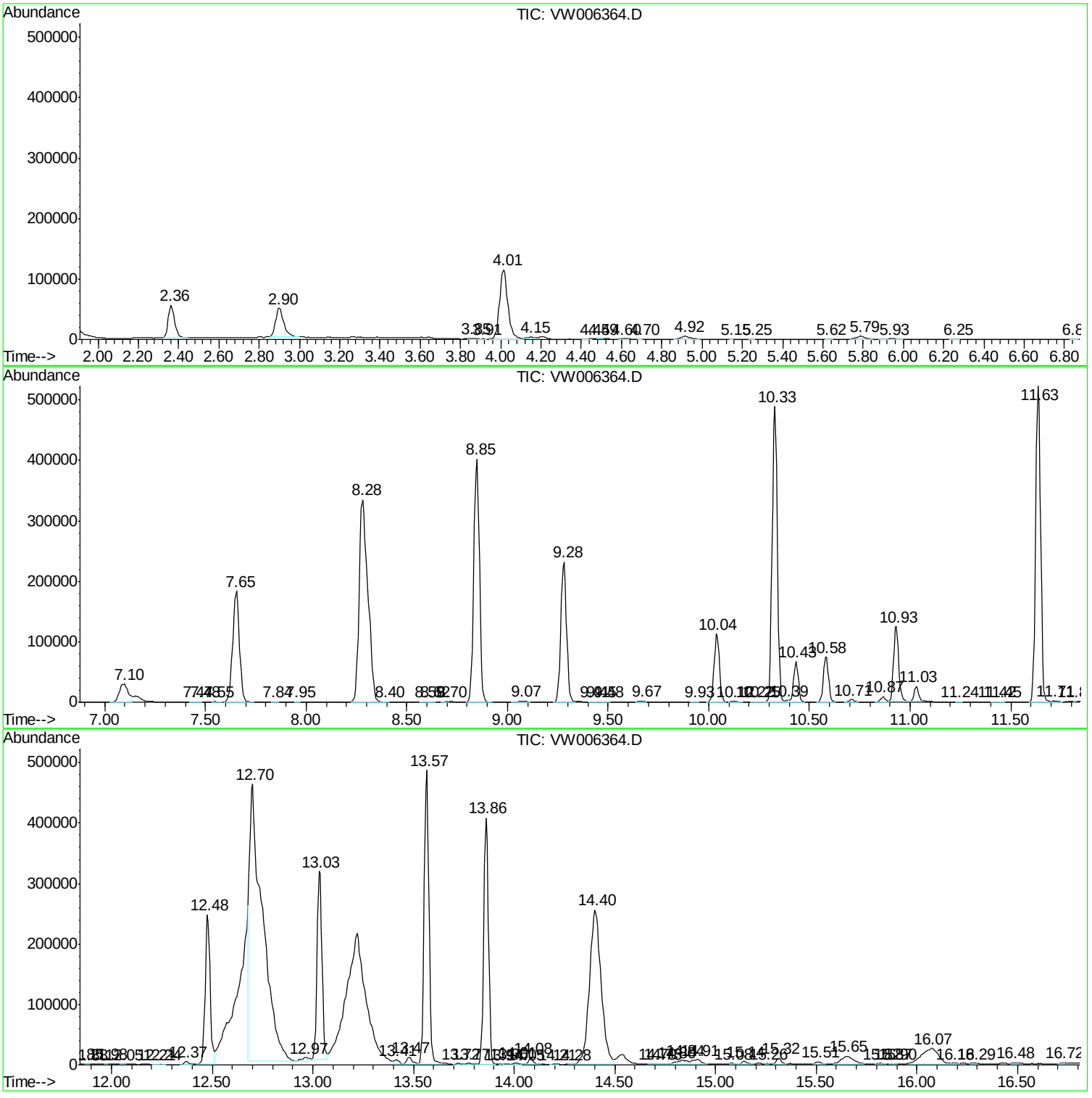
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102618\
Data File : VW006364.D
Acq On : 25 Oct 2018 15:04
Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102618\
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Acq On : 25 Oct 2018 15:04
Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

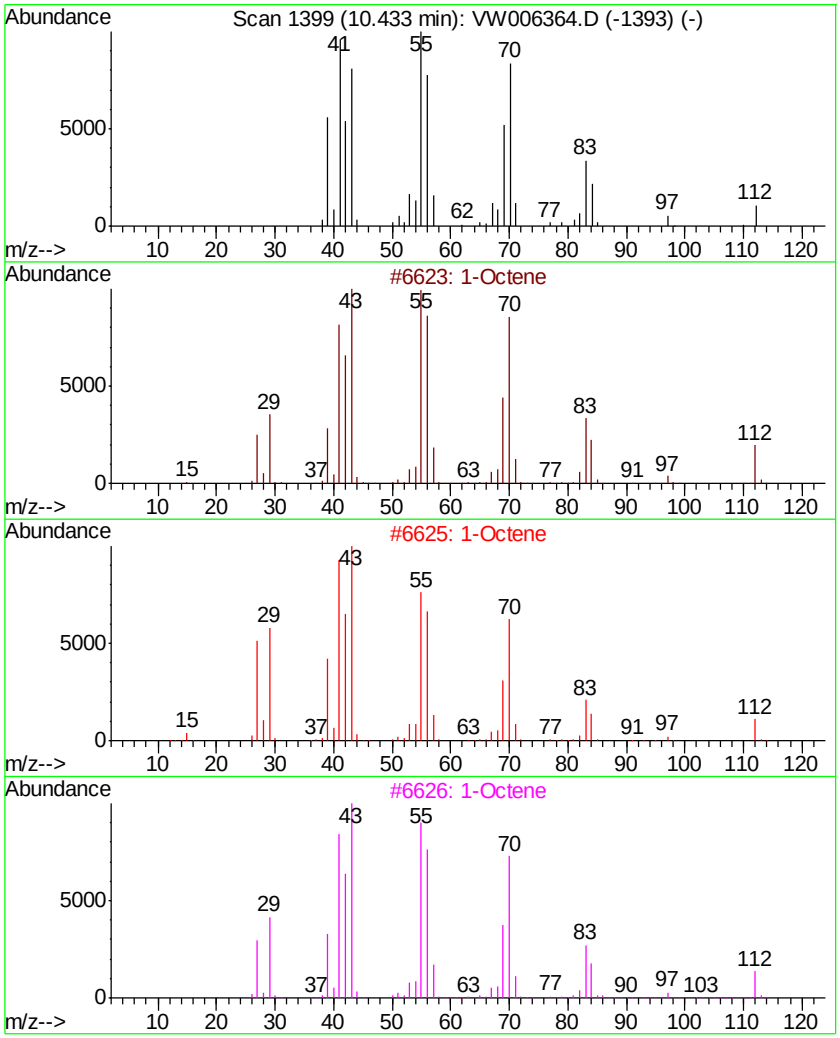
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

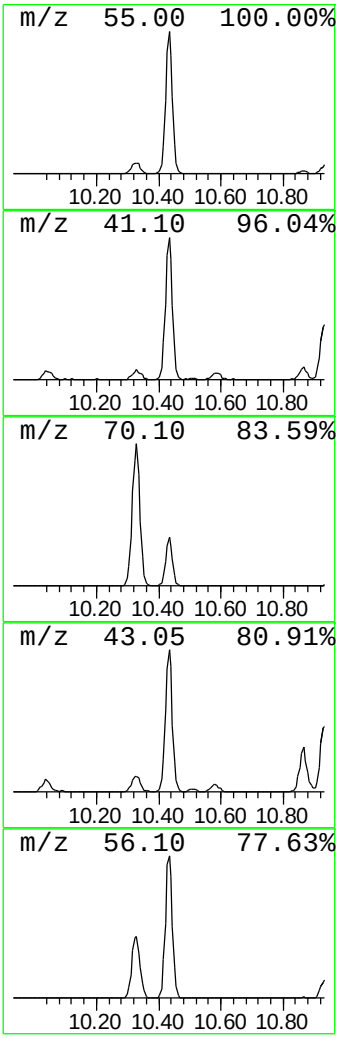
****

Peak Number 2 (DEL) Alkane: Cyclic10.43 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	3.02 ug/L	108629	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene	112	C8H16	000111-66-0	91
2	1-Octene	112	C8H16	000111-66-0	91
3	1-Octene	112	C8H16	000111-66-0	81
4	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	80
5	Cyclooctane	112	C8H16	000292-64-8	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102618\
Data File : VW006364.D
Acq On : 25 Oct 2018 15:04
Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

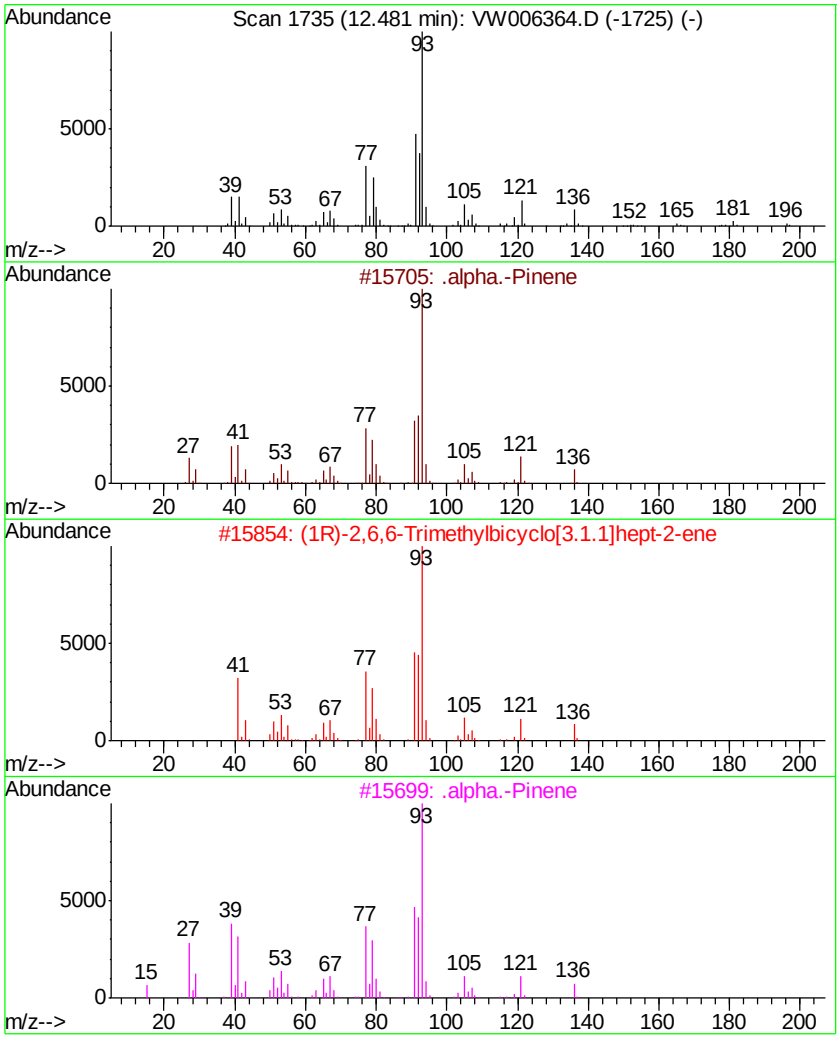
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

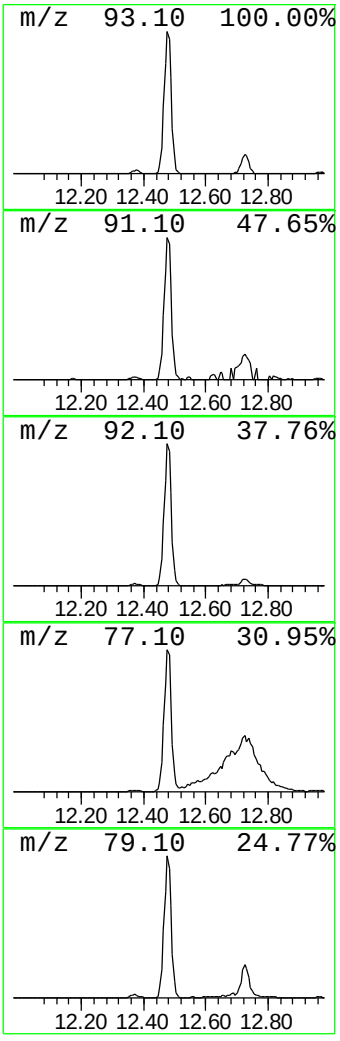
****

Peak Number 3 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	12.30 ug/L	442280	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
5	.alpha.-Pinene	136	C10H16	000080-56-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102618\
Data File : VW006364.D
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Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

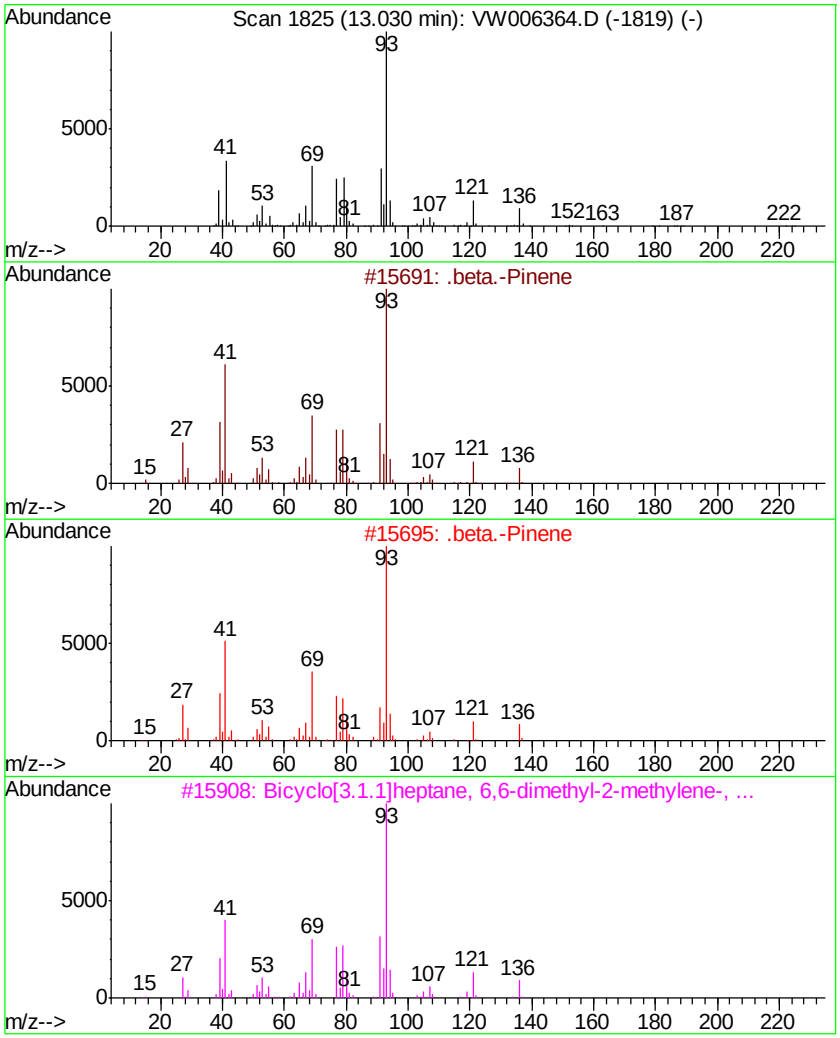
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

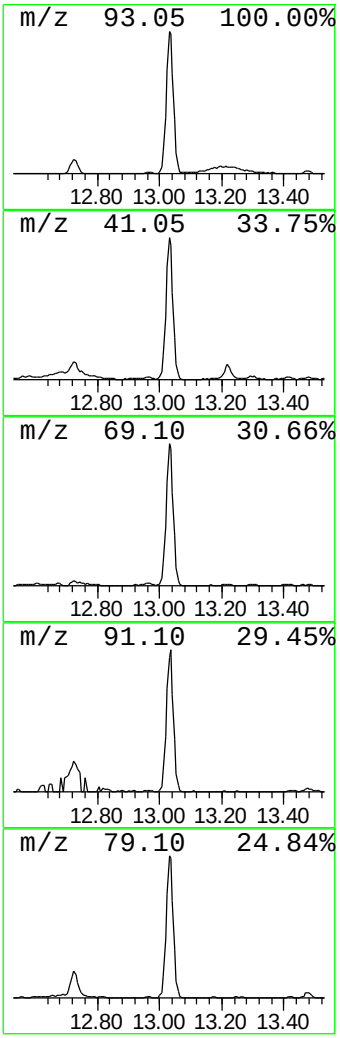
****

Peak Number 4 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	16.37 ug/L	523596	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	95
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	93
4	.alpha.-Pinene	136	C10H16	000080-56-8	93
5	.beta.-Pinene	136	C10H16	000127-91-3	91





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

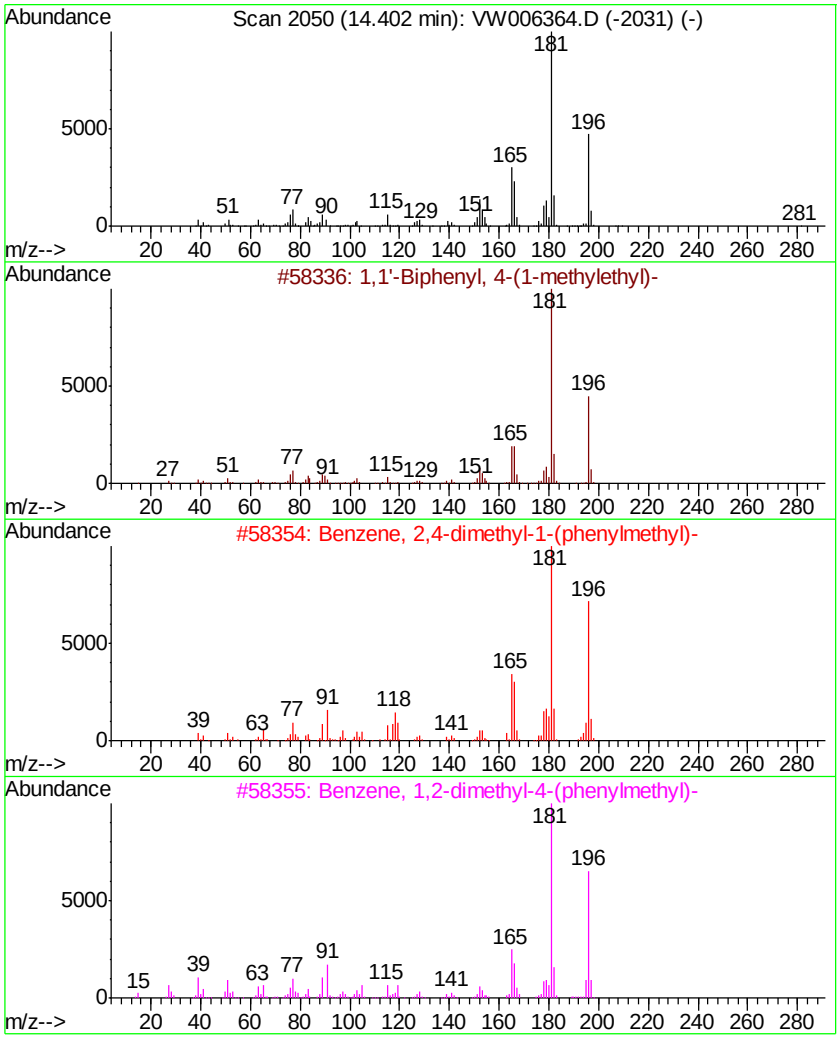
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

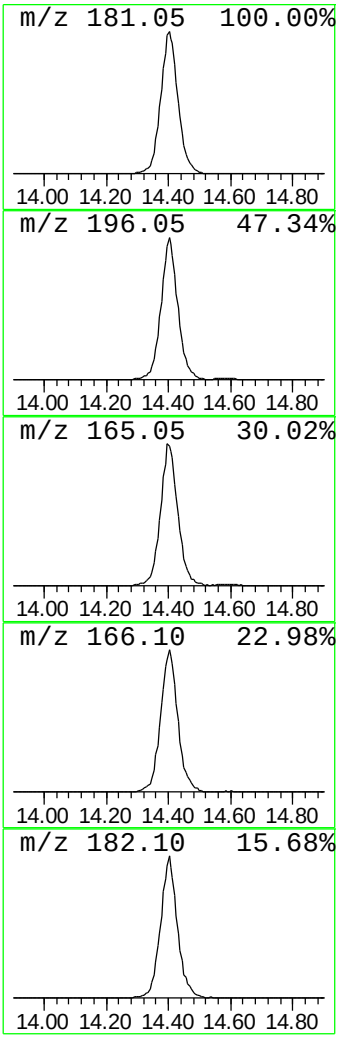
****

Peak Number 5 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	32.01 ug/L	1023990	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	97
2	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	91
3	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	91
4	Methane, di-p-tolyl-	196	C15H16	004957-14-6	91
5	Methane, di-p-tolyl-	196	C15H16	004957-14-6	91





Library Search Compound Report

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Sample : J5657-04
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

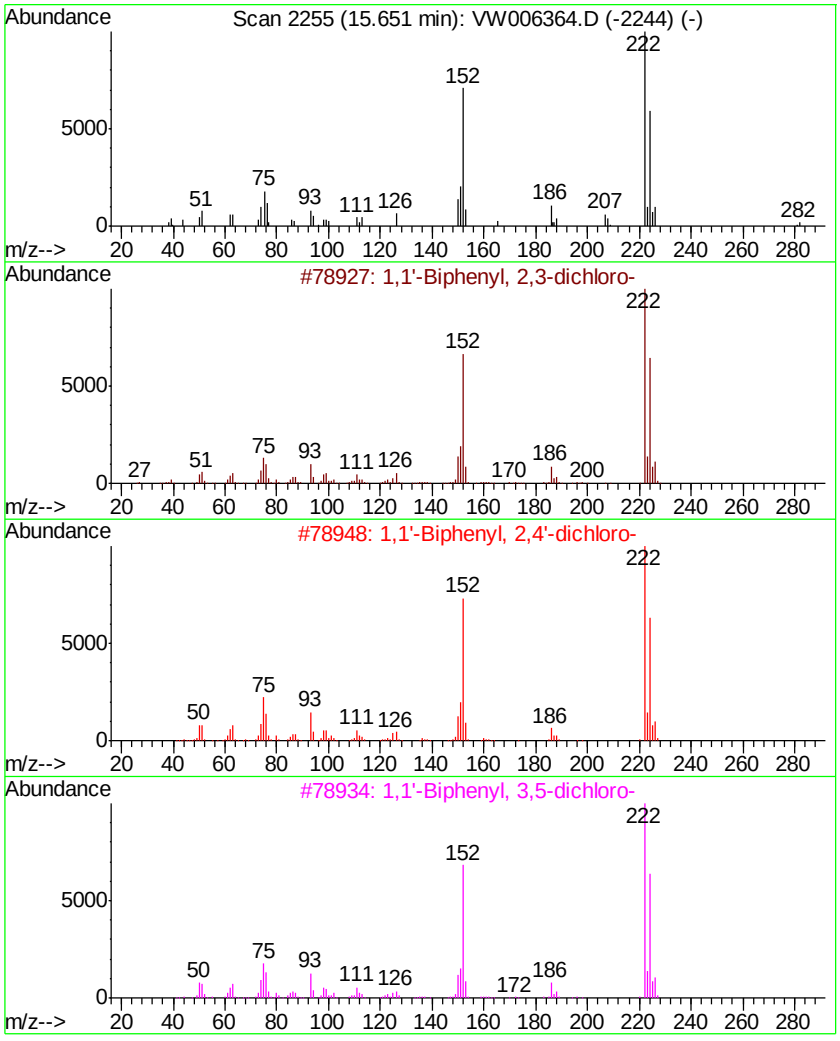
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

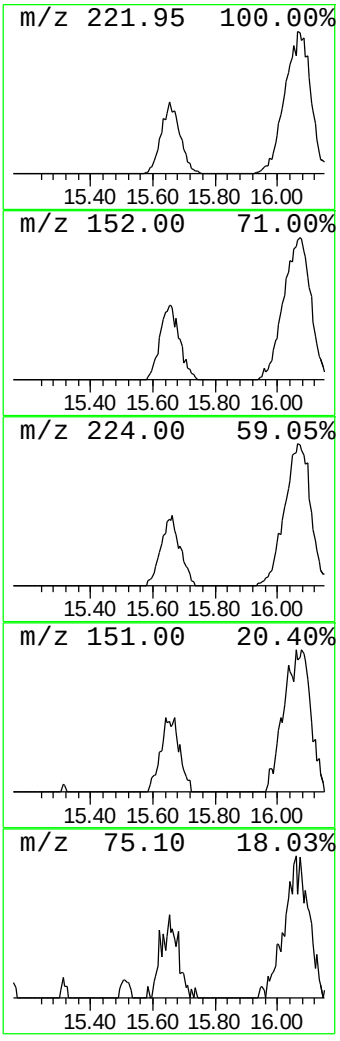
****

Peak Number 6 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	1.64 ug/L	52489	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
3	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	97
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	97
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102618\
Data File : VW006364.D
Acq On : 25 Oct 2018 15:04
Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

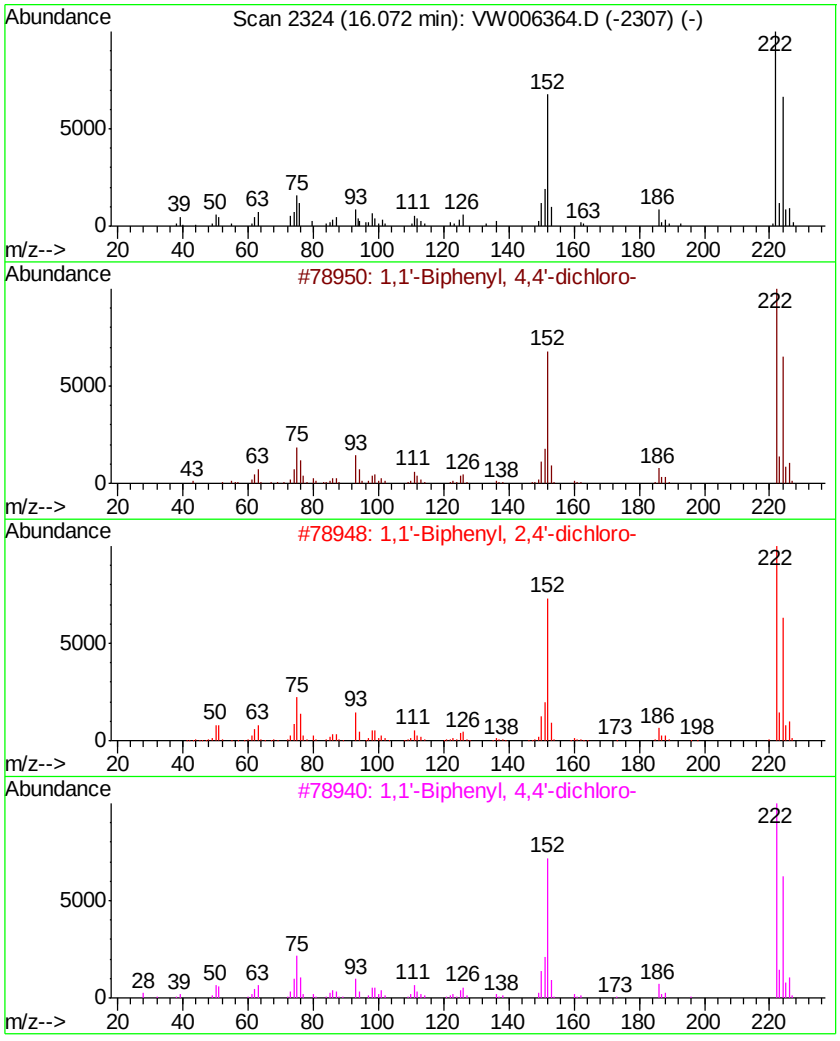
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

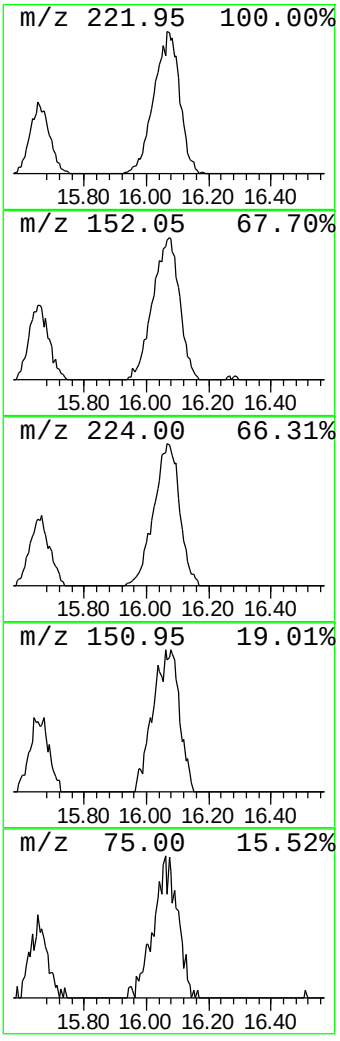
****

Peak Number 7 1,1'-Biphenyl, 4,4'-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	4.44 ug/L	141958	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	99
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	99
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102618\
Data File : VW006364.D
Acq On : 25 Oct 2018 15:04
Operator : SY/AP
Sample : J5657-04
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A40K2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.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: Cyc...	10.43	3.0	ug/L	108629	2	11.63	898648	25.0
.alpha.-Pinene	12.48	12.3	ug/L	442280	2	11.63	898648	25.0
.beta.-Pinene	13.03	16.4	ug/L	523596	3	13.57	799794	25.0
1,1'-Biphenyl, 4-...	14.40	32.0	ug/L	1023990	3	13.57	799794	25.0
1,1'-Biphenyl, 2,...	15.65	1.6	ug/L	52489	3	13.57	799794	25.0
1,1'-Biphenyl, 4,...	16.07	4.4	ug/L	141958	3	13.57	799794	25.0