LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW112619\
Data File : VW014136.D
Acq On : 26 Nov 2019 15:49
Operator : SY/VA
Sample : K6063-01
Misc : 5.27G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

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\SOM2WLM111119S.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	2.154	37	41	47	rBV	9652	21633	3.06%	0.544%
2	2.349	67	73	83	rVB	48380	84107	11.92%	2.114%
3	2.885	155	161	174	rVB	39732	94783	13.43%	2.382%
4	3.288	225	227	229	rBV2	408	371	0.05%	0.009%
5	3.373	236	241	242	rBV2	1797	2502	0.35%	0.063%
6	3.471	254	257	259	rBV	397	457	0.06%	0.011%
7	3.507	261	263	265	rBV2	276	269	0.04%	0.007%
8	3.788	308	309	314	rVB2	321	400	0.06%	0.010%
9	4.013	333	346	359	rBV	64362	207512	29.40%	5.215%
10	4.330	394	398	399	rBV3	288	391	0.06%	0.010%
11	4.373	401	405	407	rBV2	1055	1459	0.21%	0.037%
12	4.580	435	439	440	rBV	387	303	0.04%	0.008%
13	4.629	444	447	450	rVB3	217	295	0.04%	0.007%
14	4.781	471	472	475	rBV2	302	318	0.05%	0.008%
15	4.903	483	492	493	rBV3	4239	7765	1.10%	0.195%
16	5.086	519	522	523	rBV	379	400	0.06%	0.010%
17	5.153	531	533	535	rBV2	486	353	0.05%	0.009%
18	5.214	540	543	546	rBV	414	567	0.08%	0.014%
19	5.519	587	593	595	rBV3	504	1009	0.14%	0.025%
20	5.927	654	660	670	rVB5	1903	5766	0.82%	0.145%
21	6.007	670	673	675	rBV	481	540	0.08%	0.014%
22	6.062	680	682	683	rBV2	363	286	0.04%	0.007%
23	6.159	697	698	701	rBV2	565	511	0.07%	0.013%
24	6.330	725	726	731	rBV2	255	363	0.05%	0.009%
25	6.525	755	758	759	rBV	312	346	0.05%	0.009%
26	6.629	771	775	776	rBV2	257	299	0.04%	0.008%
27	6.665	779	781	783	rVB2	491	330	0.05%	0.008%
28	6.708	785	788	790	rVB3	440	493	0.07%	0.012%
29	6.866	808	814	816	rVB	469	529	0.07%	0.013%
30	6.891	816	818	821	rBV2	287	325	0.05%	0.008%
31	6.976	830	832	835	rBV3	813	748	0.11%	0.019%
32	7.074	840	848	852	rBV	27307	70348	9.97%	1.768%
33	7.403	898	902	904	rBV3	833	1065	0.15%	0.027%
34	7.464	910	912	913	rBV	303	311	0.04%	0.008%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

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\SOM2WLM111119S.M
Title : VOC Analysis

35	7.531	918	923	930	rVB4	1094	3080	0.44%	0.077%
36	7.641	930	941	955	rBV	125321	315597	44.71%	7.931%
37	7.781	962	964	965	rBV2	277	301	0.04%	0.008%
38	7.891	980	982	983	rBV2	311	317	0.04%	0.008%
39	7.903	983	984	985	rVV2	599	375	0.05%	0.009%
40	7.945	986	991	1000	rVB8	2643	6560	0.93%	0.165%
41	8.147	1022	1024	1027	rBV2	629	769	0.11%	0.019%
42	8.268	1032	1044	1060	rBV2	228108	705816	100.00%	17.738%
43	8.567	1091	1093	1098	rVB2	670	677	0.10%	0.017%
44	8.750	1119	1123	1124	rBV	535	720	0.10%	0.018%
45	8.842	1129	1138	1146	rBV	215038	429080	60.79%	10.783%
46	9.031	1164	1169	1175	rBV6	2110	4613	0.65%	0.116%
47	9.268	1201	1208	1215	rBV	164281	342201	48.48%	8.600%
48	9.579	1253	1259	1262	rBV4	948	1289	0.18%	0.032%
49	9.658	1267	1272	1279	rVB5	1104	2033	0.29%	0.051%
50	9.768	1282	1290	1292	rBV6	732	1610	0.23%	0.040%
51	9.890	1305	1310	1314	rVB4	2039	3428	0.49%	0.086%
52	9.945	1317	1319	1321	rBV2	667	727	0.10%	0.018%
53	9.988	1323	1326	1327	rBV2	544	517	0.07%	0.013%
54	10.030	1327	1333	1341	rBV	46569	87374	12.38%	2.196%
55	10.219	1358	1364	1365	rBV3	1355	2074	0.29%	0.052%
56	10.238	1365	1367	1368	rBV2	704	595	0.08%	0.015%
57	10.323	1373	1381	1388	rBV	194963	357682	50.68%	8.989%
58	10.384	1388	1391	1397	rVB2	8750	13750	1.95%	0.346%
59	10.573	1417	1422	1429	rVB	23233	40247	5.70%	1.011%
60	10.701	1432	1443	1450	rBV	53819	98256	13.92%	2.469%
61	10.768	1451	1454	1455	rBV2	718	582	0.08%	0.015%
62	10.920	1473	1479	1494	rVB	61598	113360	16.06%	2.849%
63	11.061	1494	1502	1508	rBV2	16425	27369	3.88%	0.688%
64	11.183	1515	1522	1525	rBV4	3103	5813	0.82%	0.146%
65	11.225	1525	1529	1532	rBV5	781	1330	0.19%	0.033%
66	11.274	1535	1537	1539	rBV2	849	704	0.10%	0.018%
67	11.439	1554	1564	1573	rBV	23913	41333	5.86%	1.039%
68	11.628	1589	1595	1607	rVB	160452	278334	39.43%	6.995%
69	11.774	1617	1619	1621	rBV2	551	534	0.08%	0.013%
70	11.835	1625	1629	1638	rVB2	4522	9938	1.41%	0.250%
71	11.896	1638	1639	1642	rBV2	682	621	0.09%	0.016%

LSC Area Percent Report

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Operator : SY/VA
Sample : K6063-01
Misc : 5.27G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

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\SOM2WLM111119S.M
Title : VOC Analysis

72	12.164	1679	1683	1684	rBV2	1354	1973	0.28%	0.050%
73	12.329	1707	1710	1712	rBV2	343	311	0.04%	0.008%
74	12.378	1716	1718	1721	rBV3	654	666	0.09%	0.017%
75	12.469	1729	1733	1737	rBV5	1348	2248	0.32%	0.056%
76	12.603	1748	1755	1762	rVB	59787	102757	14.56%	2.582%
77	12.688	1762	1769	1776	rBV	101762	170369	24.14%	4.282%
78	12.755	1778	1780	1781	rBV	1394	1366	0.19%	0.034%
79	12.865	1794	1798	1802	rBV3	1008	1458	0.21%	0.037%
80	12.932	1804	1809	1815	rVB2	10491	16285	2.31%	0.409%
81	13.036	1824	1826	1829	rVB3	1165	1031	0.15%	0.026%
82	13.079	1829	1833	1839	rBV5	1028	1849	0.26%	0.046%
83	13.188	1844	1851	1856	rBV5	1926	3912	0.55%	0.098%
84	13.249	1857	1861	1863	rBV4	907	1382	0.20%	0.035%
85	13.292	1863	1868	1873	rVB2	10053	16103	2.28%	0.405%
86	13.408	1880	1887	1893	rBV3	4751	7786	1.10%	0.196%
87	13.469	1893	1897	1901	rBV3	3149	5680	0.80%	0.143%
88	13.560	1906	1912	1917	rBV	48376	80586	11.42%	2.025%
89	13.761	1940	1945	1949	rBV5	2875	5923	0.84%	0.149%
90	13.853	1954	1960	1966	rBV	45785	77624	11.00%	1.951%
91	14.017	1984	1987	1990	rBV3	1040	1297	0.18%	0.033%
92	14.072	1990	1996	2002	rVB	20502	32656	4.63%	0.821%
93	14.255	2024	2026	2028	rBV4	521	474	0.07%	0.012%
94	14.584	2078	2080	2081	rBV2	335	281	0.04%	0.007%
95	14.627	2085	2087	2088	rVB	543	344	0.05%	0.009%
96	14.651	2088	2091	2092	rBV2	438	508	0.07%	0.013%
97	14.731	2100	2104	2108	rVB5	1797	2973	0.42%	0.075%
98	14.968	2141	2143	2144	rBV2	759	574	0.08%	0.014%
99	15.133	2168	2170	2171	rBV	604	434	0.06%	0.011%
100	15.438	2214	2220	2226	rBV2	20896	33521	4.75%	0.842%

Sum of corrected areas: 3979131

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW112619\
Data File : VW014136.D
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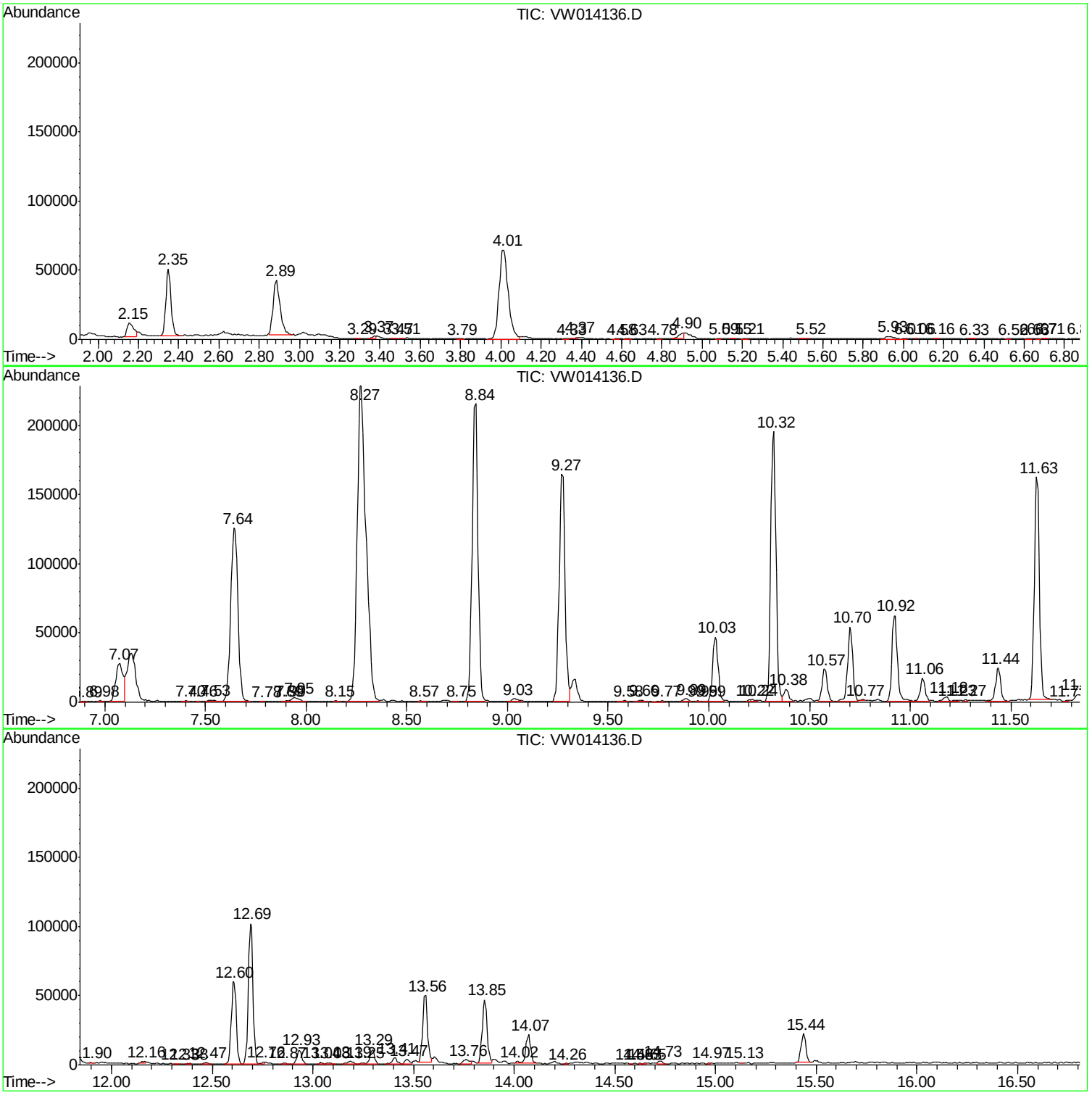
Sample : K6063-01
Misc : 5.27G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.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\VW112619\
Data File : VW014136.D
Acq On : 26 Nov 2019 15:49
Operator : SY/VA
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Misc : 5.27G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

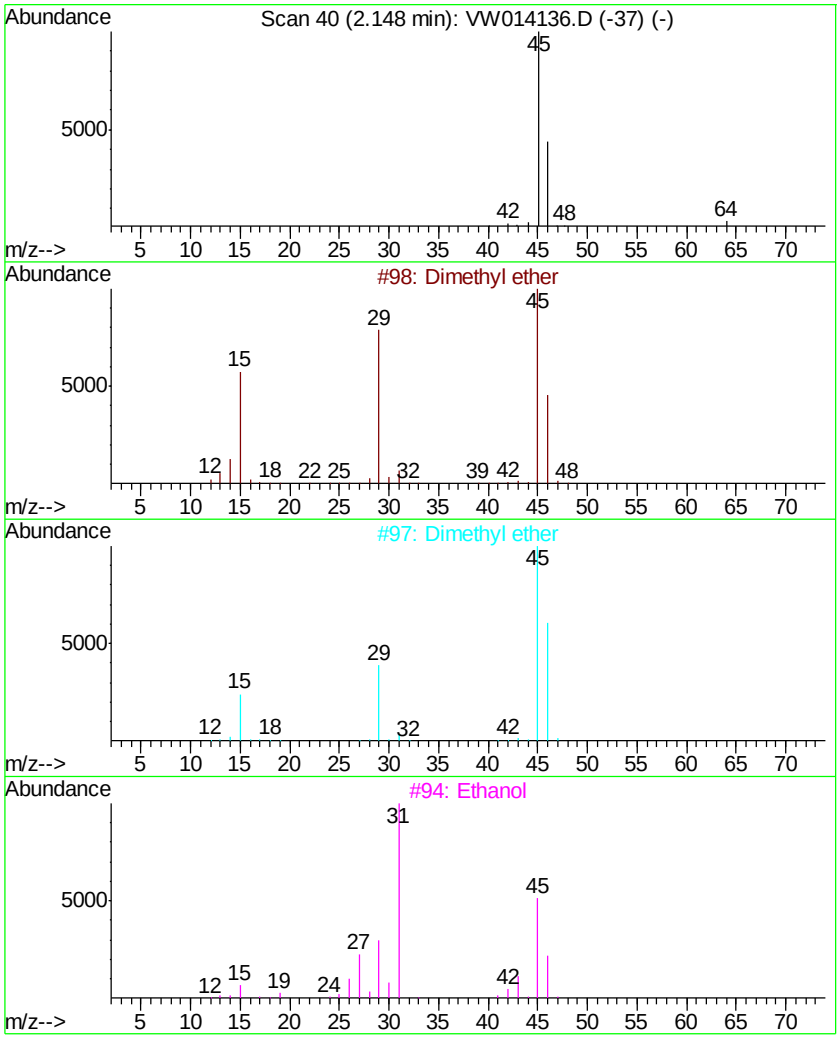
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

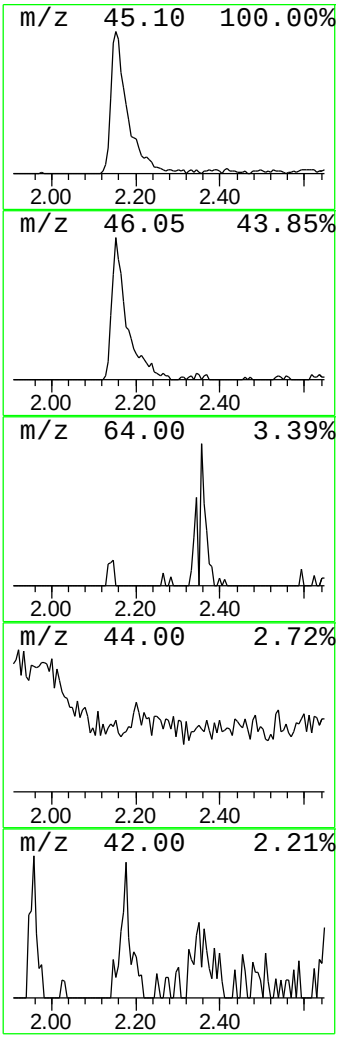
****

Peak Number 1 Dimethyl ether Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	1.26 ug/L	21633	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	74
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Ethanol	46	C2H6O	000064-17-5	7
4	Ethanol	46	C2H6O	000064-17-5	7
5	Formic acid	46	CH2O2	000064-18-6	5





Library Search Compound Report

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Data File : VW014136.D
Acq On : 26 Nov 2019 15:49
Operator : SY/VA
Sample : K6063-01
Misc : 5.27G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

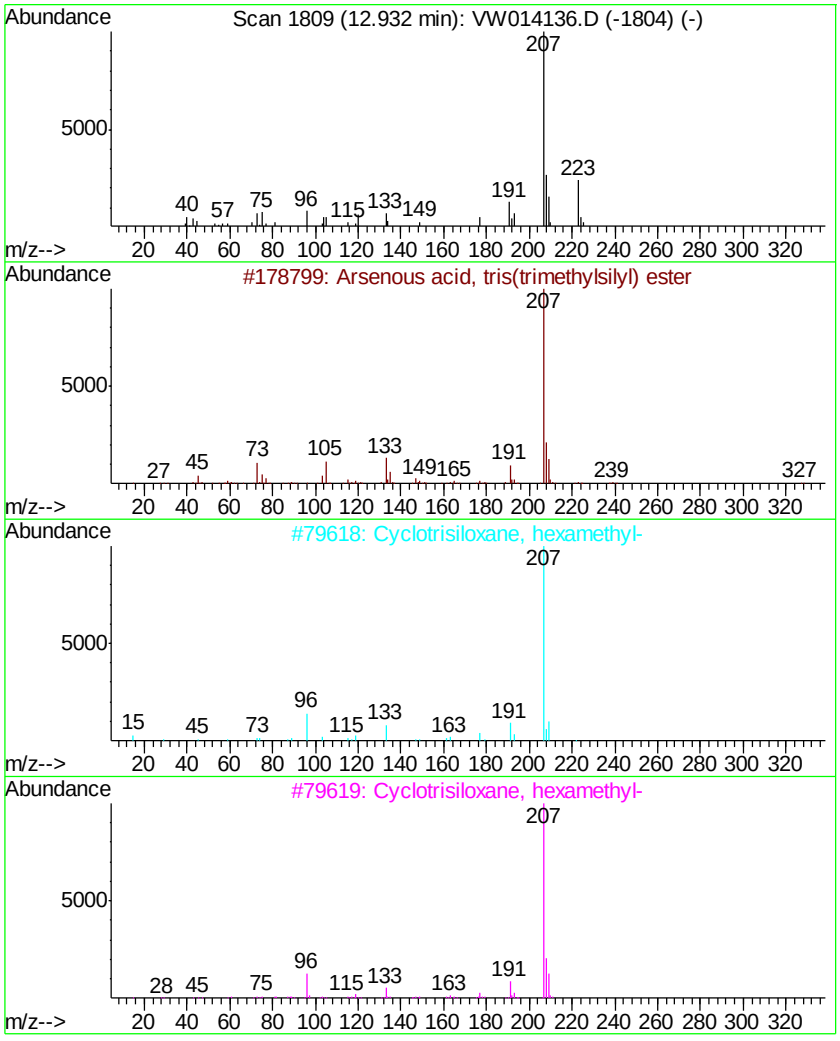
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

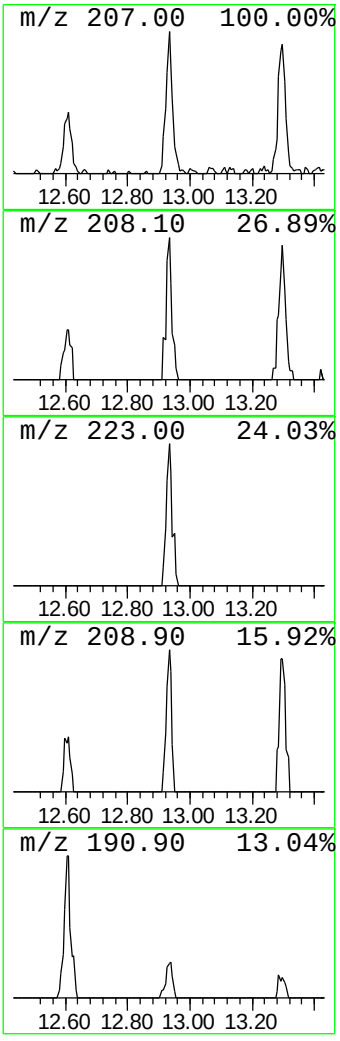
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Arsenous acid, tris(trimeth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	5.05 ug/L	16285	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	64
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	53
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	50
4	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	50
5	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	38





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Instrument : MSVOA_W
ClientSampleId : C0BM7

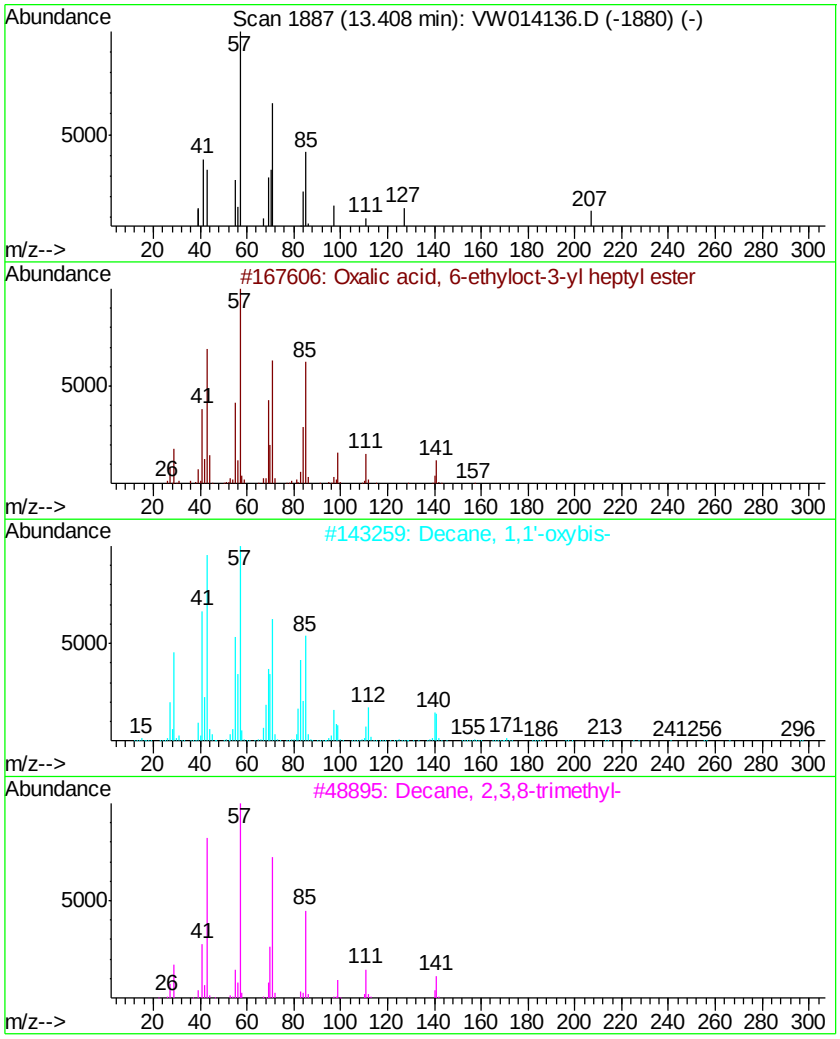
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

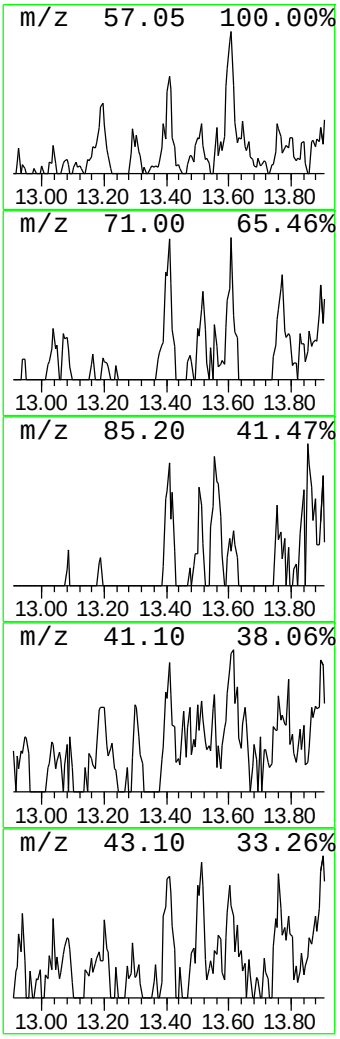
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.42 ug/L	7786	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	59
2	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	56
3	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	53
4	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	50
5	L-Homoserine lactone, N,N-dimethyl-	129	C6H11NO2	1000374-45-7	50





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

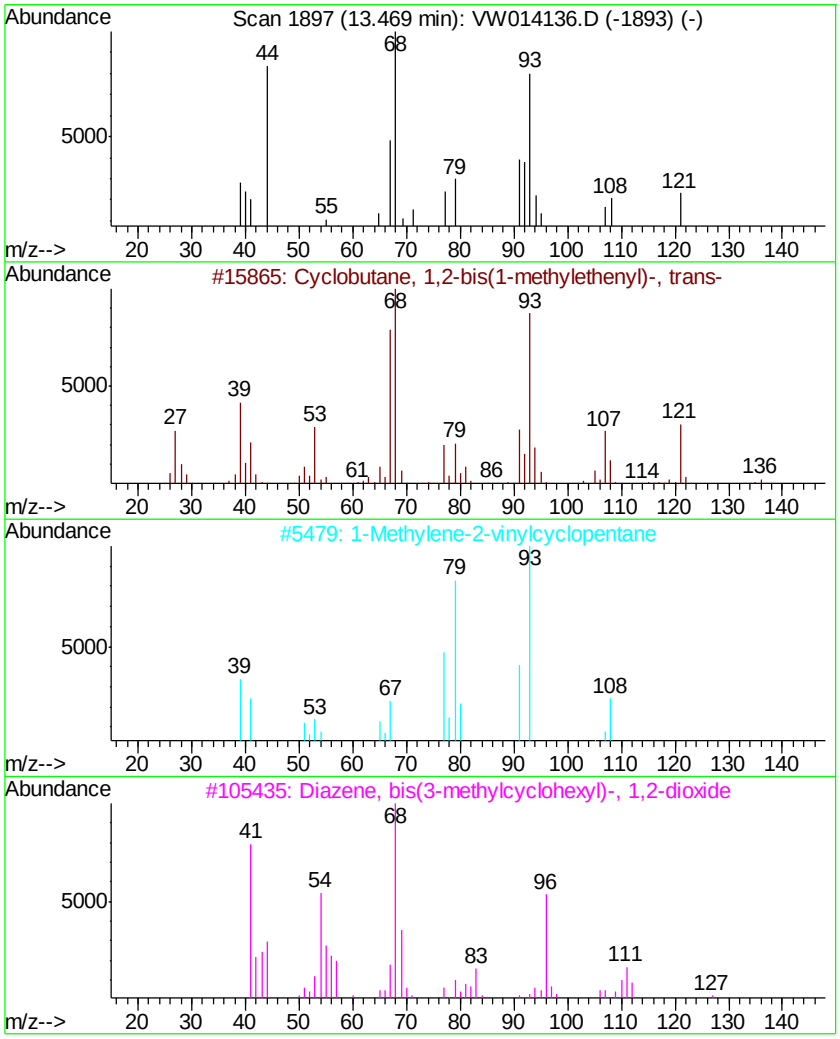
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

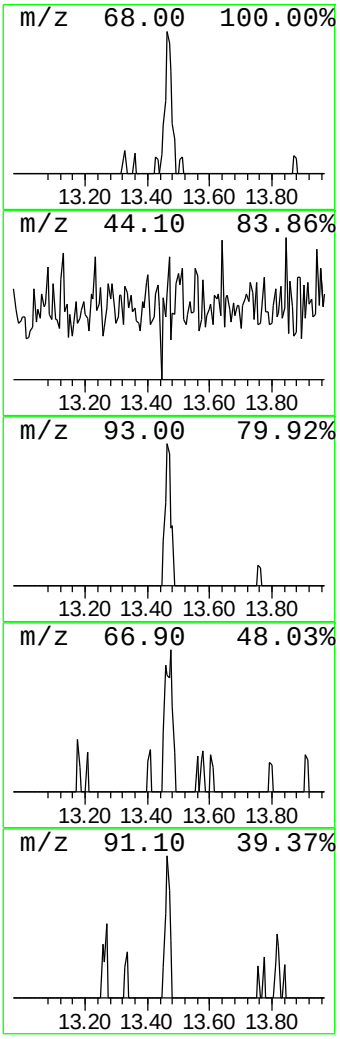
****

Peak Number 10 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	1.76 ug/L	5680	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, 1,2-bis(1-methyleth...	136	C10H16	019465-02-2	37
2	1-Methylene-2-vinylcyclopentane	108	C8H12	006196-78-7	25
3	Diazene, bis(3-methylcyclohexyl)...	254	C14H26N2O2	056052-56-3	17
4	trans-.beta.-Ocimene	136	C10H16	003779-61-1	12
5	Bicyclo[3.2.0]heptane, 6-methylene-	108	C8H12	003642-22-6	12





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

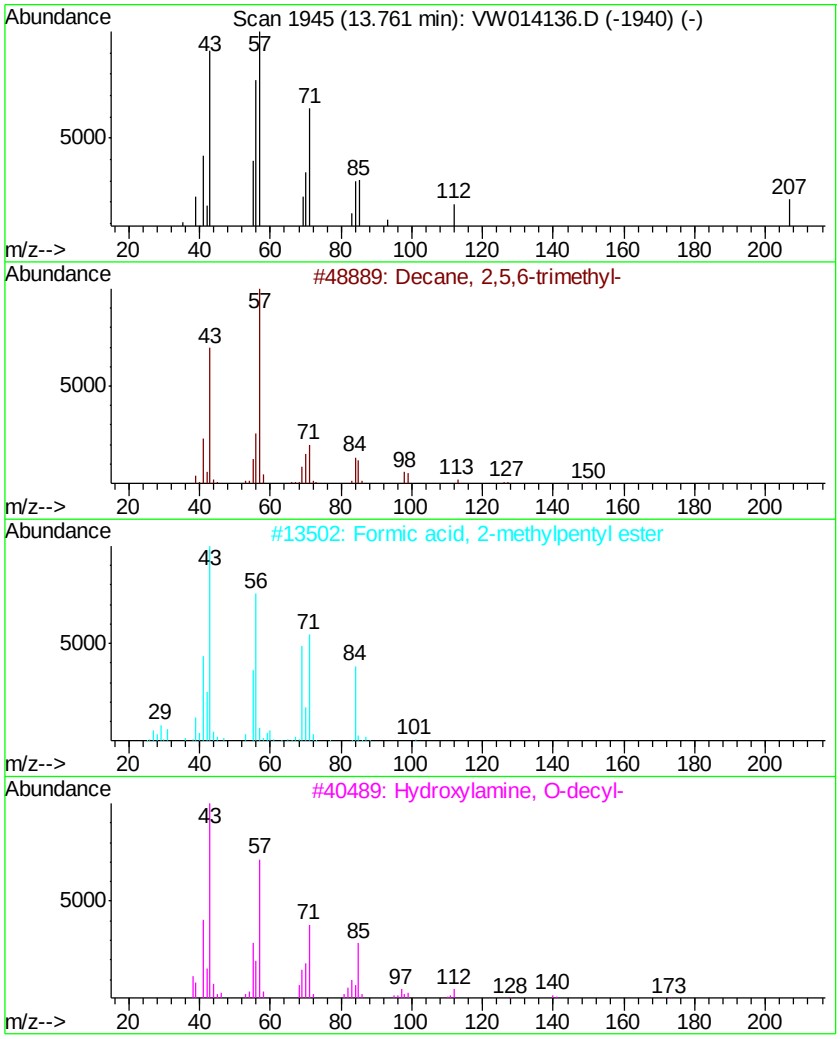
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

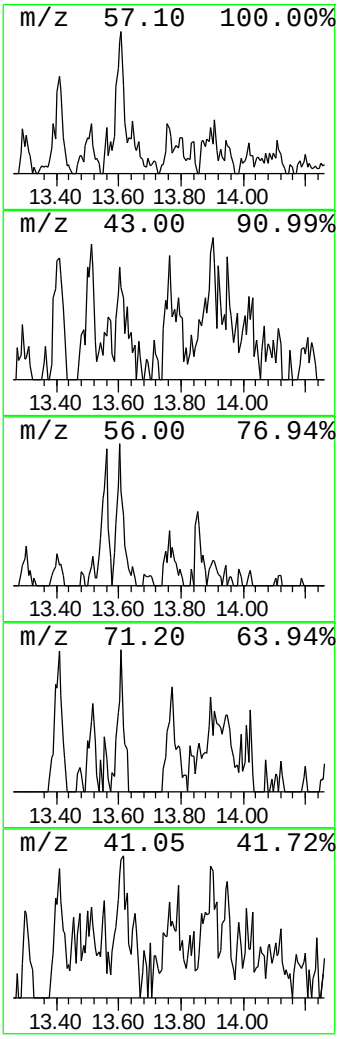
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.84 ug/L	5923	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
2	Formic acid, 2-methylpentyl ester	130	C7H14O2	381670-34-4	47
3	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	38
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
5	1-Heptanol, 2,4-dimethyl-, (R,R)...	144	C9H20O	018450-73-2	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112619\
Data File : VW014136.D
Acq On : 26 Nov 2019 15:49
Operator : SY/VA
Sample : K6063-01
Misc : 5.27G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

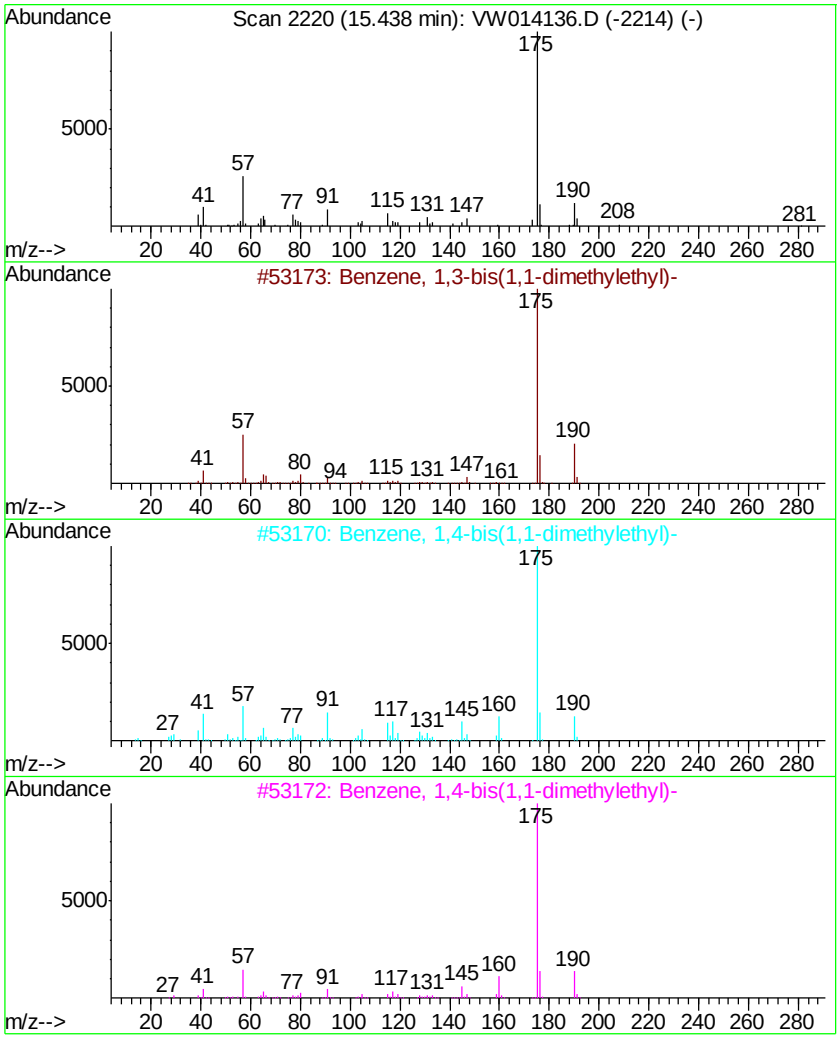
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

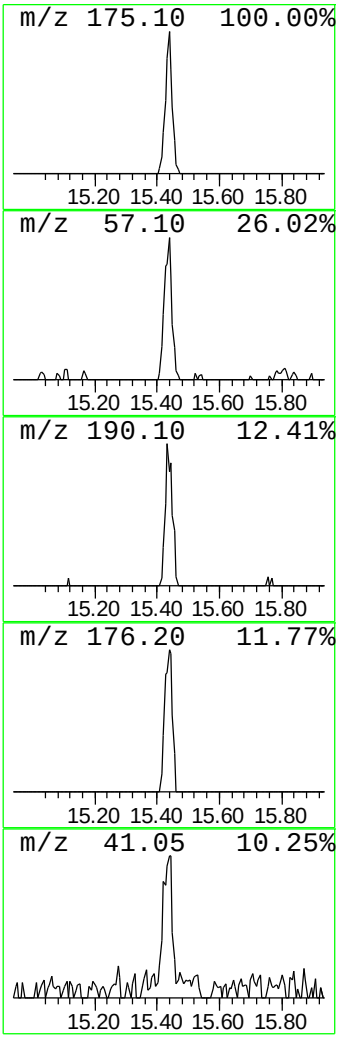
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	10.40 ug/L	33521	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	80
2	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	72
3	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	64
4	4,5-Dihydro-5-oxo-3-(p-tolyl)iso...	175	C10H9NO2	025755-82-2	59
5	4-Methyl-2,6-dihydroxyquinoline	175	C10H9NO2	034982-01-9	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112619\
Data File : VW014136.D
Acq On : 26 Nov 2019 15:49
Operator : SY/VA
Sample : K6063-01
Misc : 5.27G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BM7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.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
Dimethyl ether	2.15	1.3	ug/L	21633	1	8.84	429080	25.0
Arsenous acid, tr...	12.93	5.0	ug/L	16285	3	13.56	80586	25.0
Oxalic acid, 6-et...	13.41	2.4	ug/L	7786	3	13.56	80586	25.0
unknown-01	13.47	1.8	ug/L	5680	3	13.56	80586	25.0
(DEL) Alkane: Str...	13.76	1.8	ug/L	5923	3	13.56	80586	25.0
Benzene, 1,3-bis(...	15.44	10.4	ug/L	33521	3	13.56	80586	25.0