LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121819\
Data File : VW014448.D
Acq On : 18 Dec 2019 22:54
Operator : SY/VA
Sample : K6277-23RE
Misc : 4.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0C80RE

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\SOM2WLM120519S.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	1.958	5	9	17	rVB4	12243	25061	1.30%	0.215%
2	2.154	36	41	45	rBV	10372	19041	0.98%	0.164%
3	2.349	67	73	83	rVB	116532	203745	10.53%	1.750%
4	2.489	93	96	102	rBV	8309	13679	0.71%	0.118%
5	2.885	155	161	175	rVB	92160	226063	11.69%	1.942%
6	3.385	236	243	248	rBV4	4272	10132	0.52%	0.087%
7	3.476	256	258	259	rBV	929	837	0.04%	0.007%
8	3.531	259	267	287	rVV	203588	585550	30.27%	5.030%
9	3.867	320	322	325	rBV4	1007	842	0.04%	0.007%
10	4.019	335	347	357	rBV	151342	482053	24.92%	4.141%
11	4.117	359	363	374	rVB2	28663	70634	3.65%	0.607%
12	4.385	400	407	415	rBV4	5130	13944	0.72%	0.120%
13	4.580	436	439	440	rBV3	765	812	0.04%	0.007%
14	4.659	451	452	454	rBV	1215	1036	0.05%	0.009%
15	4.745	464	466	469	rVB2	1244	1342	0.07%	0.012%
16	4.775	469	471	473	rBV3	763	937	0.05%	0.008%
17	4.915	483	494	510	rBV4	13129	50314	2.60%	0.432%
18	5.110	519	526	528	rBV4	1284	2281	0.12%	0.020%
19	5.153	528	533	534	rVV5	1173	1961	0.10%	0.017%
20	5.196	537	540	545	rVB5	1574	2180	0.11%	0.019%
21	5.787	625	637	639	rBV6	2608	6644	0.34%	0.057%
22	5.939	653	662	670	rBV7	5014	14229	0.74%	0.122%
23	6.135	691	694	697	rVB3	688	814	0.04%	0.007%
24	6.391	726	736	746	rBV3	15650	50907	2.63%	0.437%
25	6.622	772	774	777	rBV4	771	980	0.05%	0.008%
26	6.903	815	820	822	rBV6	2067	3557	0.18%	0.031%
27	7.073	840	848	853	rBV2	70951	189839	9.81%	1.631%
28	7.378	897	898	901	rBV2	743	846	0.04%	0.007%
29	7.451	909	910	913	rVB3	1077	952	0.05%	0.008%
30	7.494	913	917	918	rBV4	790	915	0.05%	0.008%
31	7.531	920	923	928	rVB5	1671	2135	0.11%	0.018%
32	7.646	931	942	954	rBV	350145	878300	45.40%	7.545%
33	7.890	978	982	984	rVB3	1216	1466	0.08%	0.013%
34	7.945	984	991	992	rBV5	1966	4019	0.21%	0.035%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0C80RE

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\SOM2WLM120519S.M
Title : VOC Analysis

35	8.018	1001	1003	1006	rVB2	847	965	0.05%	0.008%
36	8.079	1006	1013	1014	rBV3	1162	1496	0.08%	0.013%
37	8.274	1032	1045	1061	rBV2	668292	1934536	100.00%	16.619%
38	8.683	1105	1112	1113	rBV4	2123	2624	0.14%	0.023%
39	8.713	1116	1117	1122	rVB3	792	952	0.05%	0.008%
40	8.841	1128	1138	1149	rBV	561890	1125050	58.16%	9.665%
41	9.024	1161	1168	1179	rBV	75246	165367	8.55%	1.421%
42	9.268	1198	1208	1218	rBV	536186	1099613	56.84%	9.446%
43	9.427	1230	1234	1236	rBV4	1183	1329	0.07%	0.011%
44	9.585	1258	1260	1263	rVV4	1105	1544	0.08%	0.013%
45	9.640	1263	1269	1281	rVV3	18330	38247	1.98%	0.329%
46	9.927	1313	1316	1318	rBV3	693	884	0.05%	0.008%
47	10.030	1326	1333	1342	rVV	123226	231425	11.96%	1.988%
48	10.213	1359	1363	1368	rVB4	2430	3739	0.19%	0.032%
49	10.323	1369	1381	1389	rBV	686029	1207786	62.43%	10.376%
50	10.579	1415	1423	1434	rVB	60403	108953	5.63%	0.936%
51	10.701	1437	1443	1449	rBV	15235	28574	1.48%	0.245%
52	10.847	1462	1467	1470	rVB6	2186	4132	0.21%	0.035%
53	10.920	1472	1479	1496	rBV	220592	411078	21.25%	3.531%
54	11.060	1497	1502	1509	rVB	18751	35074	1.81%	0.301%
55	11.176	1517	1521	1529	rVB8	1561	3588	0.19%	0.031%
56	11.262	1534	1535	1537	rBV2	1255	1173	0.06%	0.010%
57	11.347	1548	1549	1551	rBV2	1027	1020	0.05%	0.009%
58	11.438	1559	1564	1569	rVB4	6975	12084	0.62%	0.104%
59	11.518	1573	1577	1579	rBV3	1417	2210	0.11%	0.019%
60	11.627	1588	1595	1608	rBV	498708	866415	44.79%	7.443%
61	11.786	1618	1621	1622	rBV2	651	838	0.04%	0.007%
62	11.841	1627	1630	1634	rVB5	2103	2475	0.13%	0.021%
63	11.871	1634	1635	1638	rBV3	1197	1137	0.06%	0.010%
64	11.975	1651	1652	1656	rVB3	1506	876	0.05%	0.008%
65	12.030	1659	1661	1667	rVB7	1909	3352	0.17%	0.029%
66	12.133	1676	1678	1680	rBV3	961	1064	0.06%	0.009%
67	12.170	1681	1684	1686	rBV4	1554	1856	0.10%	0.016%
68	12.261	1697	1699	1702	rVB3	1020	914	0.05%	0.008%
69	12.542	1741	1745	1746	rBV3	1078	1261	0.07%	0.011%
70	12.572	1746	1750	1751	rBV3	1009	988	0.05%	0.008%
71	12.609	1751	1756	1761	rVB2	27897	43052	2.23%	0.370%

LSC Area Percent Report

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Operator : SY/VA
Sample : K6277-23RE
Misc : 4.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0C80RE

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\SOM2WLM120519S.M
Title : VOC Analysis

72	12.688	1761	1769	1778	rBV	353828	604146	31.23%	5.190%
73	12.755	1778	1780	1781	rBV	1333	1188	0.06%	0.010%
74	12.767	1781	1782	1787	rVB4	2218	2465	0.13%	0.021%
75	12.932	1803	1809	1815	rVB3	8762	13711	0.71%	0.118%
76	13.042	1824	1827	1828	rVB2	1462	1105	0.06%	0.009%
77	13.188	1846	1851	1852	rBV5	728	1324	0.07%	0.011%
78	13.243	1858	1860	1863	rVV4	1079	1097	0.06%	0.009%
79	13.292	1863	1868	1872	rVV5	3091	4679	0.24%	0.040%
80	13.377	1879	1882	1883	rBV2	1145	952	0.05%	0.008%
81	13.402	1883	1886	1889	rVV3	1179	1756	0.09%	0.015%
82	13.469	1893	1897	1901	rBV5	2432	4380	0.23%	0.038%
83	13.560	1905	1912	1920	rVV	154802	265077	13.70%	2.277%
84	13.651	1923	1927	1930	rVB4	4542	6515	0.34%	0.056%
85	13.761	1941	1945	1949	rBV5	1797	3099	0.16%	0.027%
86	13.853	1953	1960	1967	rBV	261536	418460	21.63%	3.595%
87	14.011	1984	1986	1988	rBV3	1806	1764	0.09%	0.015%
88	14.066	1990	1995	2001	rVB2	15715	25780	1.33%	0.221%
89	14.176	2010	2013	2014	rBV	1019	1045	0.05%	0.009%
90	14.273	2025	2029	2032	rBV5	1229	1960	0.10%	0.017%
91	14.334	2034	2039	2044	rBV3	8055	14460	0.75%	0.124%
92	14.621	2084	2086	2089	rVB3	1089	996	0.05%	0.009%
93	14.663	2089	2093	2094	rBV2	1030	1162	0.06%	0.010%
94	14.791	2110	2114	2116	rBV4	1693	2059	0.11%	0.018%
95	14.944	2135	2139	2142	rBV4	1317	2022	0.10%	0.017%
96	15.084	2158	2162	2163	rBV4	1175	1429	0.07%	0.012%
97	15.206	2181	2182	2184	rBV2	1654	1015	0.05%	0.009%
98	15.438	2213	2220	2225	rBV3	21123	38494	1.99%	0.331%
99	15.688	2260	2261	2264	rVB3	2408	1467	0.08%	0.013%
100	16.651	2416	2419	2420	rBV3	1537	1177	0.06%	0.010%

Sum of corrected areas: 11640502

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121819\
Data File : VW014448.D
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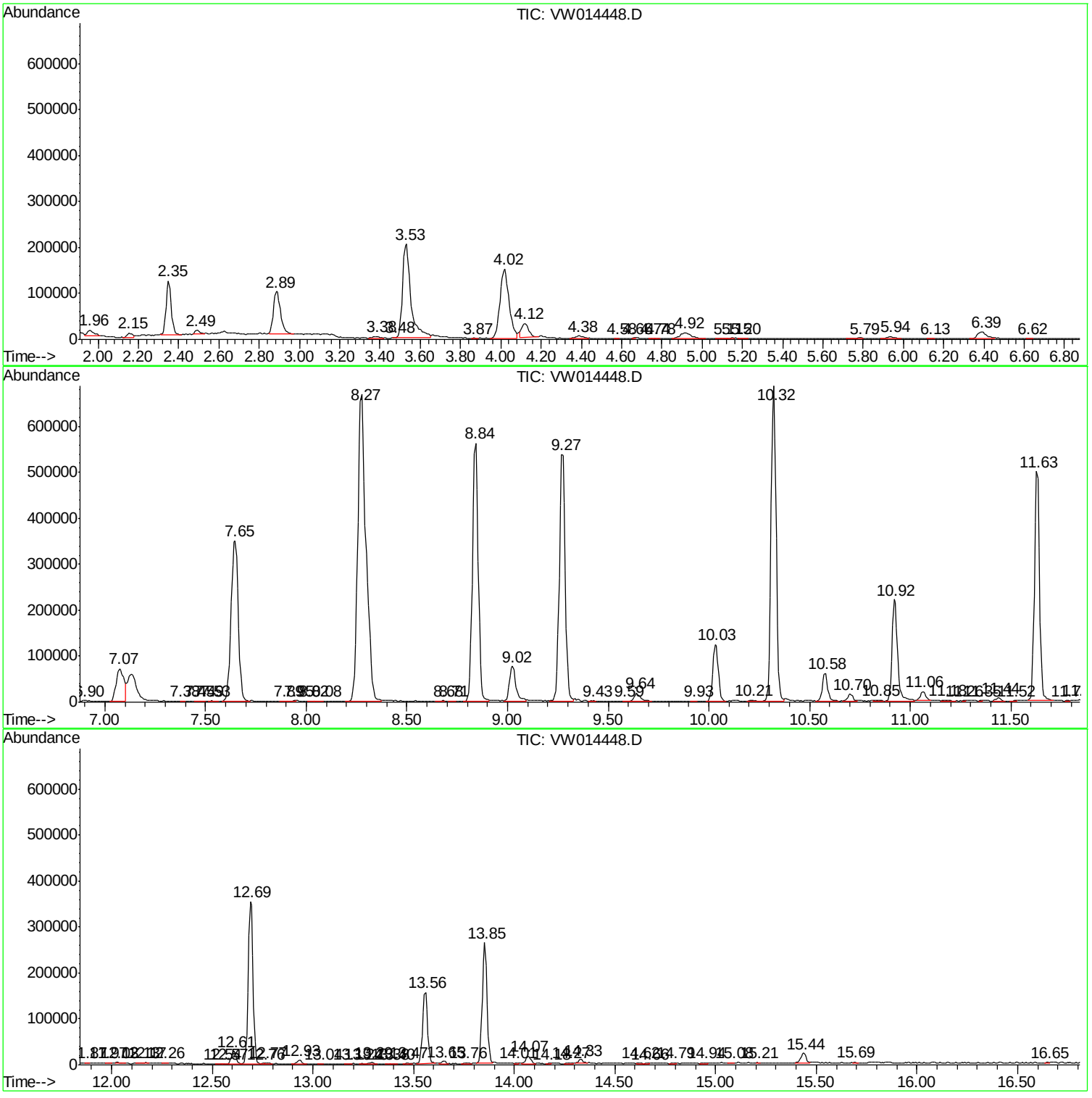
Operator : SY/VA
Sample : K6277-23RE
Misc : 4.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0C80RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.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\VW121819\
Data File : VW014448.D
Acq On : 18 Dec 2019 22:54
Operator : SY/VA
Sample : K6277-23RE
Misc : 4.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0C80RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis

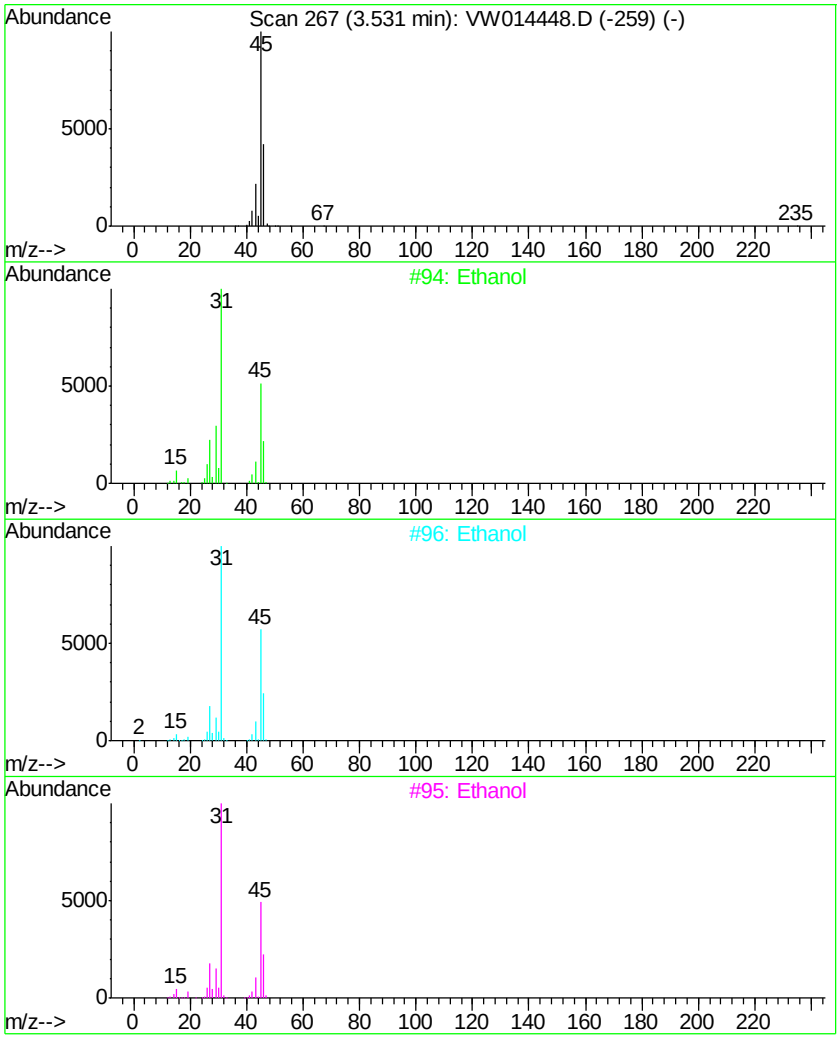
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

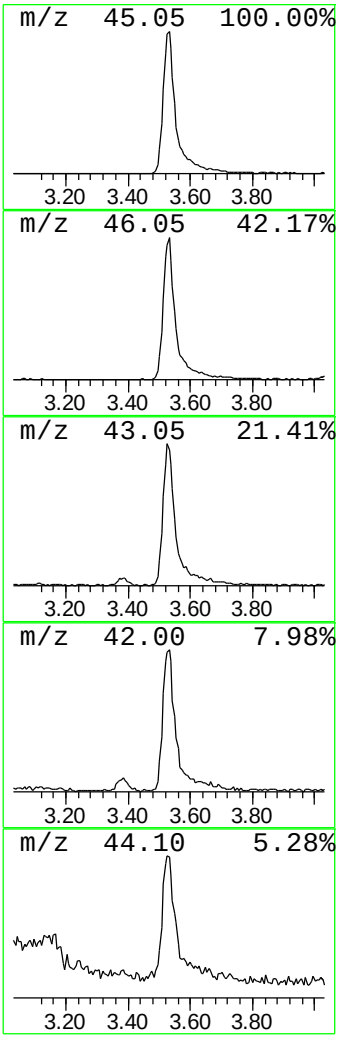
****

Peak Number 1 Ethanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	13.01 ug/L	585550	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	86
2	Ethanol	46	C2H6O	000064-17-5	64
3	Ethanol	46	C2H6O	000064-17-5	43
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Dimethyl ether	46	C2H6O	000115-10-6	9





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Instrument : MSVOA_W
ClientSampleId : C0C80RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis

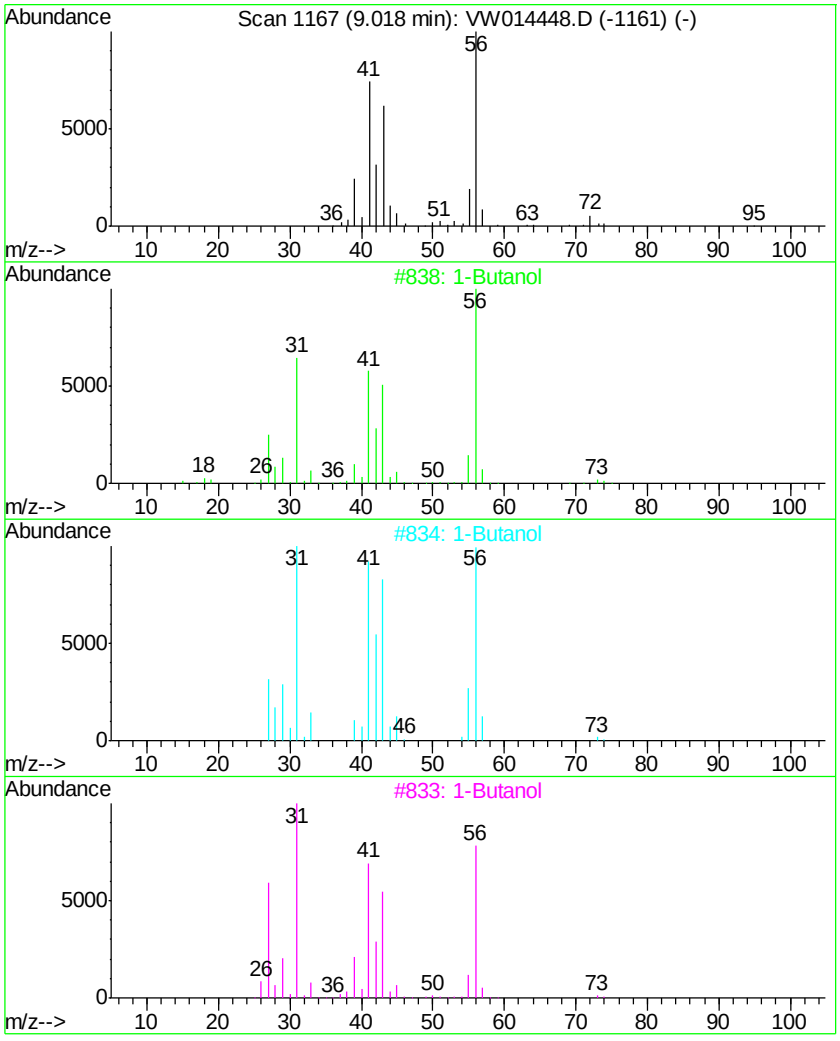
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

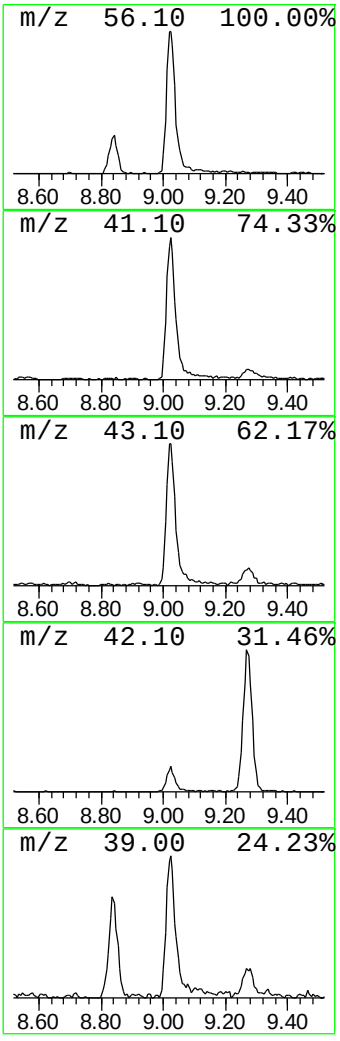
****

Peak Number 2 1-Butanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	3.67 ug/L	165367	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	80
2	1-Butanol	74	C4H10O	000071-36-3	64
3	1-Butanol	74	C4H10O	000071-36-3	64
4	1-Butanol	74	C4H10O	000071-36-3	56
5	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis

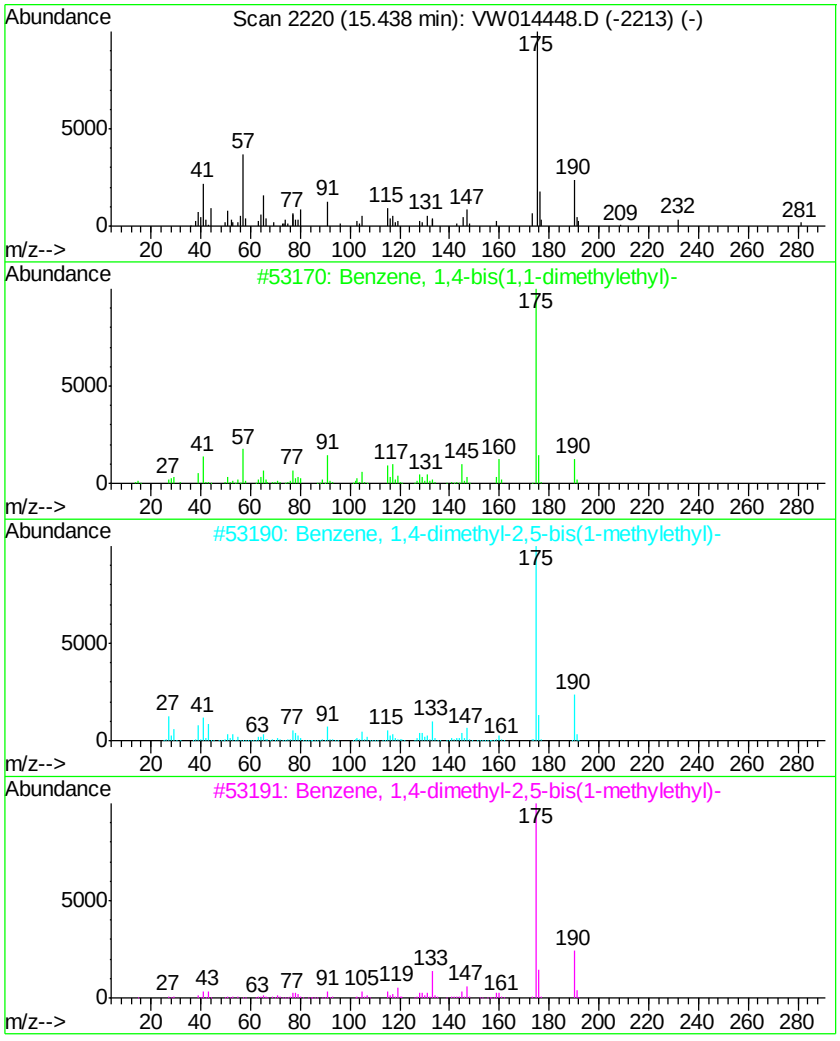
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

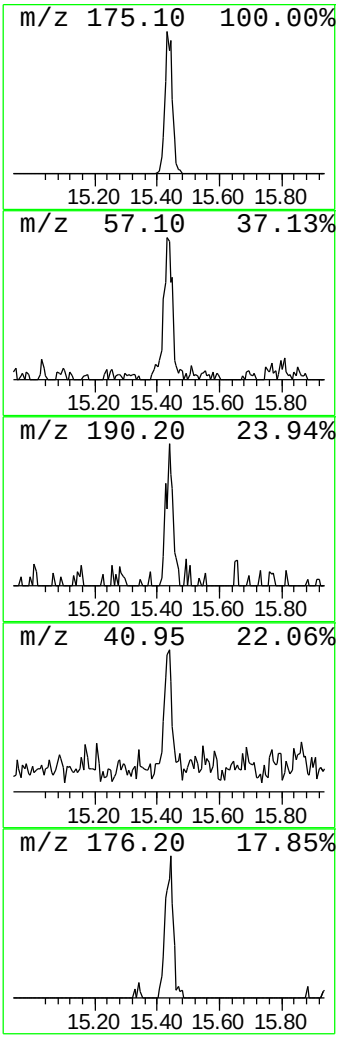
****

Peak Number 8 Benzene, 1,4-bis(1,1-dimeth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	3.63 ug/L	38494	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	90
2	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	87
3	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	86
4	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	80
5	p-Pentylacetophenone	190	C13H18O	037593-02-5	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121819\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.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
Ethanol	3.53	13.0	ug/L	585550	1	8.84	1125050	25.0
1-Butanol	9.02	3.7	ug/L	165367	1	8.84	1125050	25.0
Benzene, 1,4-bis(...	15.44	3.6	ug/L	38494	3	13.56	265077	25.0