LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040119\
Data File : VW009636.D
Acq On : 01 Apr 2019 21:05
Operator : SY/VA
Sample : K2119-07
Misc : 4.49G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5C2

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\SOM2WLM031419S.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	2.160	37	42	47	rBV2	16918	33107	3.97%	0.641%
2	2.355	69	74	86	rVB2	59131	124500	14.93%	2.410%
3	2.891	157	162	172	rVB	49641	123763	14.84%	2.396%
4	4.001	335	344	360	rBV	88651	281572	33.77%	5.451%
5	4.196	370	376	384	rVB	33429	81255	9.74%	1.573%
6	4.519	427	429	431	rBV	647	784	0.09%	0.015%
7	4.647	448	450	454	rBV5	1449	2314	0.28%	0.045%
8	4.903	481	492	509	rBV2	34363	120772	14.48%	2.338%
9	5.092	522	523	526	rBV2	721	649	0.08%	0.013%
10	5.153	529	533	534	rBV3	1301	1531	0.18%	0.030%
11	5.245	546	548	551	rBV2	600	606	0.07%	0.012%
12	5.409	573	575	578	rVV3	1134	1115	0.13%	0.022%
13	5.568	599	601	603	rBV2	700	815	0.10%	0.016%
14	5.665	615	617	620	rBV2	557	676	0.08%	0.013%
15	5.696	620	622	624	rVV2	695	641	0.08%	0.012%
16	5.732	627	628	630	rVV2	864	576	0.07%	0.011%
17	5.769	632	634	635	rVV2	1043	668	0.08%	0.013%
18	5.799	637	639	645	rVB6	1083	1584	0.19%	0.031%
19	5.872	649	651	652	rBV	740	679	0.08%	0.013%
20	5.927	653	660	670	rVV7	9967	31257	3.75%	0.605%
21	6.043	674	679	682	rBV5	851	1232	0.15%	0.024%
22	6.141	693	695	696	rBV2	952	641	0.08%	0.012%
23	6.189	700	703	705	rVB4	978	731	0.09%	0.014%
24	6.238	709	711	714	rBV2	753	589	0.07%	0.011%
25	6.311	721	723	726	rVB3	859	853	0.10%	0.017%
26	6.366	731	732	736	rBV4	972	859	0.10%	0.017%
27	6.403	736	738	742	rVB4	698	807	0.10%	0.016%
28	6.458	742	747	748	rBV2	1019	1262	0.15%	0.024%
29	6.549	758	762	764	rBV4	515	868	0.10%	0.017%
30	6.580	764	767	768	rBV2	1344	1055	0.13%	0.020%
31	6.720	787	790	791	rBV	1054	934	0.11%	0.018%
32	6.787	799	801	804	rVB2	770	735	0.09%	0.014%
33	6.817	804	806	808	rBV	853	676	0.08%	0.013%
34	6.848	808	811	812	rBV2	544	568	0.07%	0.011%

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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
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Title : VOC Analysis

35	6.860	812	813	815	rVV	935	677	0.08%	0.013%
36	7.073	839	848	855	rBV	23710	72448	8.69%	1.403%
37	7.238	873	875	878	rVB2	806	662	0.08%	0.013%
38	7.391	897	900	901	rBV2	642	718	0.09%	0.014%
39	7.647	931	942	952	rBV	161390	395700	47.46%	7.661%
40	7.805	966	968	971	rBV3	1519	1766	0.21%	0.034%
41	7.878	978	980	983	rBV3	723	769	0.09%	0.015%
42	7.933	986	989	991	rBV2	718	1051	0.13%	0.020%
43	8.061	1008	1010	1013	rVB4	1145	846	0.10%	0.016%
44	8.274	1032	1045	1059	rBV2	253333	833827	100.00%	16.143%
45	8.518	1083	1085	1087	rBV2	870	967	0.12%	0.019%
46	8.616	1100	1101	1104	rVB3	711	590	0.07%	0.011%
47	8.701	1110	1115	1116	rBV4	1381	2007	0.24%	0.039%
48	8.787	1123	1129	1130	rBV4	815	1204	0.14%	0.023%
49	8.841	1130	1138	1150	rVV	250074	491694	58.97%	9.519%
50	8.939	1152	1154	1155	rBV2	803	715	0.09%	0.014%
51	9.049	1166	1172	1173	rBV5	1210	2121	0.25%	0.041%
52	9.122	1182	1184	1186	rVB2	896	810	0.10%	0.016%
53	9.140	1186	1187	1189	rBV2	1040	861	0.10%	0.017%
54	9.165	1189	1191	1194	rVB2	739	880	0.11%	0.017%
55	9.274	1201	1209	1219	rBV	196971	409141	49.07%	7.921%
56	9.457	1234	1239	1241	rBV4	962	1629	0.20%	0.032%
57	9.482	1241	1243	1244	rVV	979	701	0.08%	0.014%
58	9.500	1244	1246	1248	rVB3	1044	730	0.09%	0.014%
59	9.549	1251	1254	1255	rBV2	691	638	0.08%	0.012%
60	9.884	1305	1309	1318	rVB7	4570	10155	1.22%	0.197%
61	10.030	1327	1333	1341	rVV	76456	136664	16.39%	2.646%
62	10.128	1344	1349	1356	rVB3	16602	32734	3.93%	0.634%
63	10.244	1366	1368	1369	rBV2	2190	1591	0.19%	0.031%
64	10.323	1374	1381	1388	rBV	257626	451579	54.16%	8.743%
65	10.427	1396	1398	1405	rVB6	4487	6170	0.74%	0.119%
66	10.579	1416	1423	1430	rBV	56216	98959	11.87%	1.916%
67	10.664	1433	1437	1438	rBV4	1111	1513	0.18%	0.029%
68	10.926	1474	1480	1492	rBV2	88131	187317	22.46%	3.627%
69	11.274	1535	1537	1538	rBV2	1822	973	0.12%	0.019%
70	11.628	1589	1595	1605	rBV	250674	440746	52.86%	8.533%
71	12.042	1660	1663	1664	rBV4	1094	1086	0.13%	0.021%

LSC Area Percent Report

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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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Title : VOC Analysis

72	12.073	1667	1668	1672	rVB4	1095	1083	0.13%	0.021%
73	12.262	1697	1699	1700	rBV2	909	657	0.08%	0.013%
74	12.323	1708	1709	1711	rBV2	981	724	0.09%	0.014%
75	12.377	1714	1718	1721	rVV4	1868	2532	0.30%	0.049%
76	12.469	1729	1733	1741	rVB5	6533	11214	1.34%	0.217%
77	12.609	1749	1756	1762	rBV2	10509	19940	2.39%	0.386%
78	12.694	1762	1770	1780	rBV	139357	255882	30.69%	4.954%
79	12.932	1807	1809	1810	rBV2	673	588	0.07%	0.011%
80	13.030	1821	1825	1828	rVB5	2770	4580	0.55%	0.089%
81	13.115	1835	1839	1844	rVB6	1380	2403	0.29%	0.047%
82	13.408	1883	1887	1892	rVB4	4983	8674	1.04%	0.168%
83	13.475	1893	1898	1900	rBV6	4575	8363	1.00%	0.162%
84	13.560	1906	1912	1918	rBV	126170	192517	23.09%	3.727%
85	13.743	1940	1942	1943	rBV2	1093	723	0.09%	0.014%
86	13.853	1953	1960	1966	rBV	109983	187716	22.51%	3.634%
87	14.078	1988	1997	2002	rBV2	12050	22057	2.65%	0.427%
88	14.322	2034	2037	2040	rBV4	1677	2591	0.31%	0.050%
89	14.517	2066	2069	2070	rBV2	720	737	0.09%	0.014%
90	14.670	2092	2094	2098	rBV3	1150	1058	0.13%	0.020%
91	14.773	2109	2111	2113	rBV3	810	959	0.12%	0.019%
92	14.877	2125	2128	2131	rBV4	701	1092	0.13%	0.021%
93	14.950	2136	2140	2143	rVB3	1621	2531	0.30%	0.049%
94	14.999	2143	2148	2150	rBV4	1495	2534	0.30%	0.049%
95	15.072	2155	2160	2164	rBV7	4753	7260	0.87%	0.141%
96	15.499	2227	2230	2236	rVB	5464	7634	0.92%	0.148%
97	15.578	2241	2243	2245	rBV3	1096	880	0.11%	0.017%
98	15.883	2291	2293	2299	rBV6	1395	2359	0.28%	0.046%
99	16.328	2364	2366	2369	rBV3	1227	1753	0.21%	0.034%
100	16.425	2380	2382	2383	rBV2	1139	819	0.10%	0.016%

Sum of corrected areas: 5165173

LSC Report - Integrated Chromatogram

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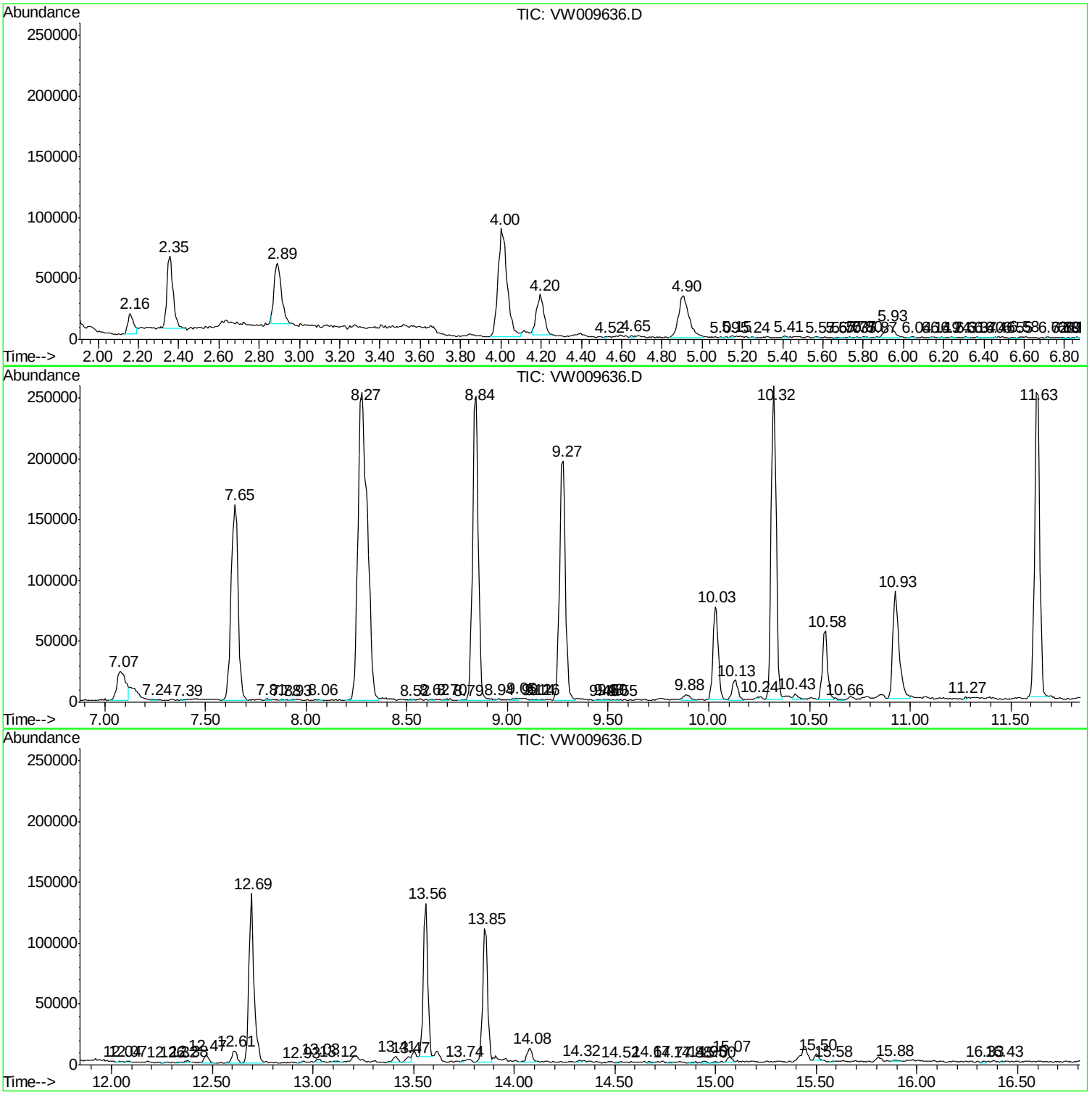
Instrument : MSVOA_W
ClientSampleId : BF5C2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.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\VW040119\
Data File : VW009636.D
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Instrument : MSVOA_W
ClientSampleId : BF5C2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

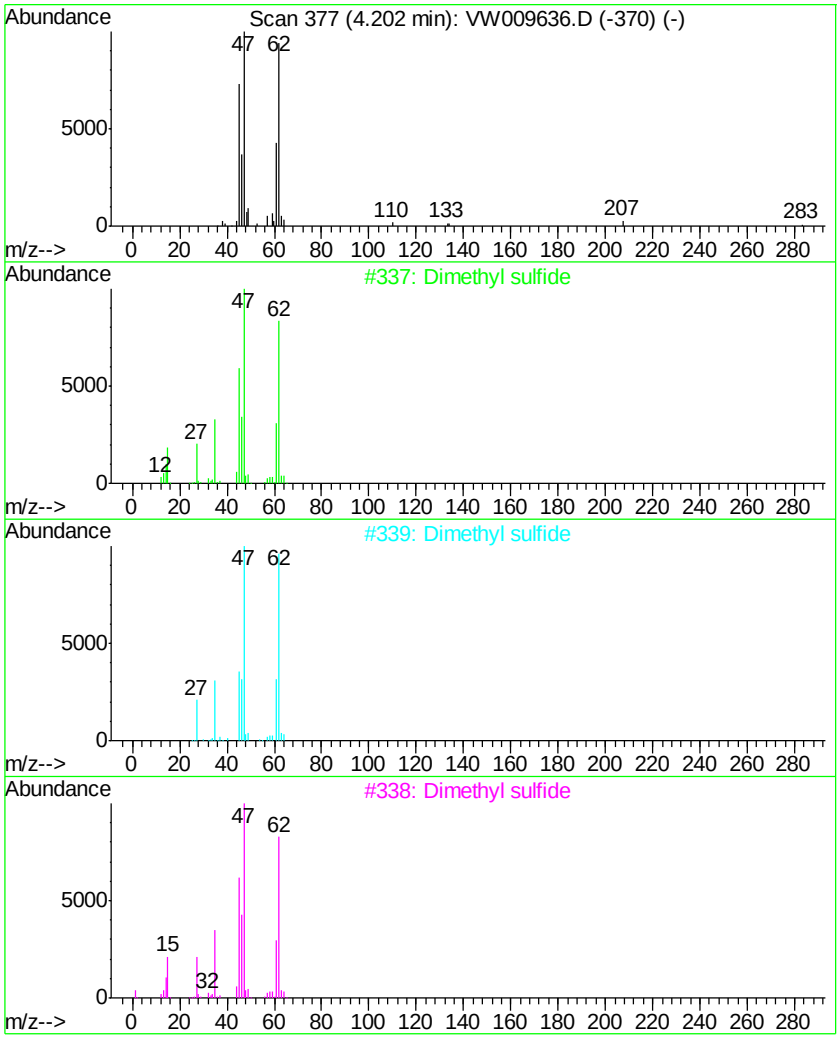
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

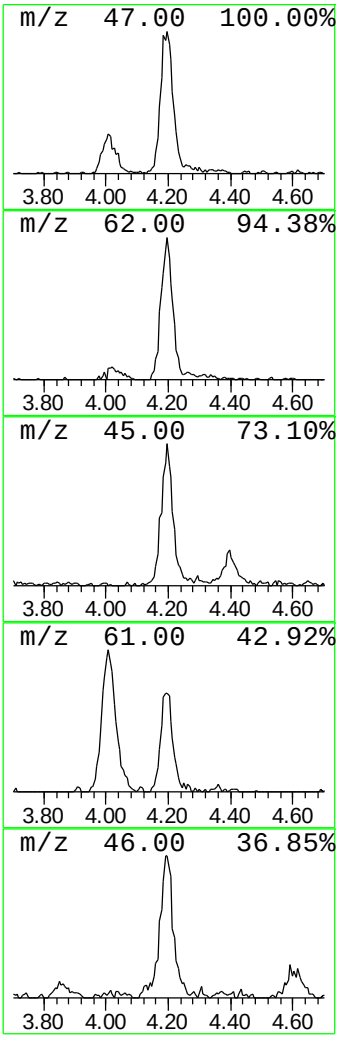
****

Peak Number 2 Dimethyl sulfide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	4.13 ug/L	81255	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	97
2	Dimethyl sulfide	62	C2H6S	000075-18-3	94
3	Dimethyl sulfide	62	C2H6S	000075-18-3	94
4	Dimethyl sulfide	62	C2H6S	000075-18-3	90
5	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	64





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Quant Title : VOC Analysis

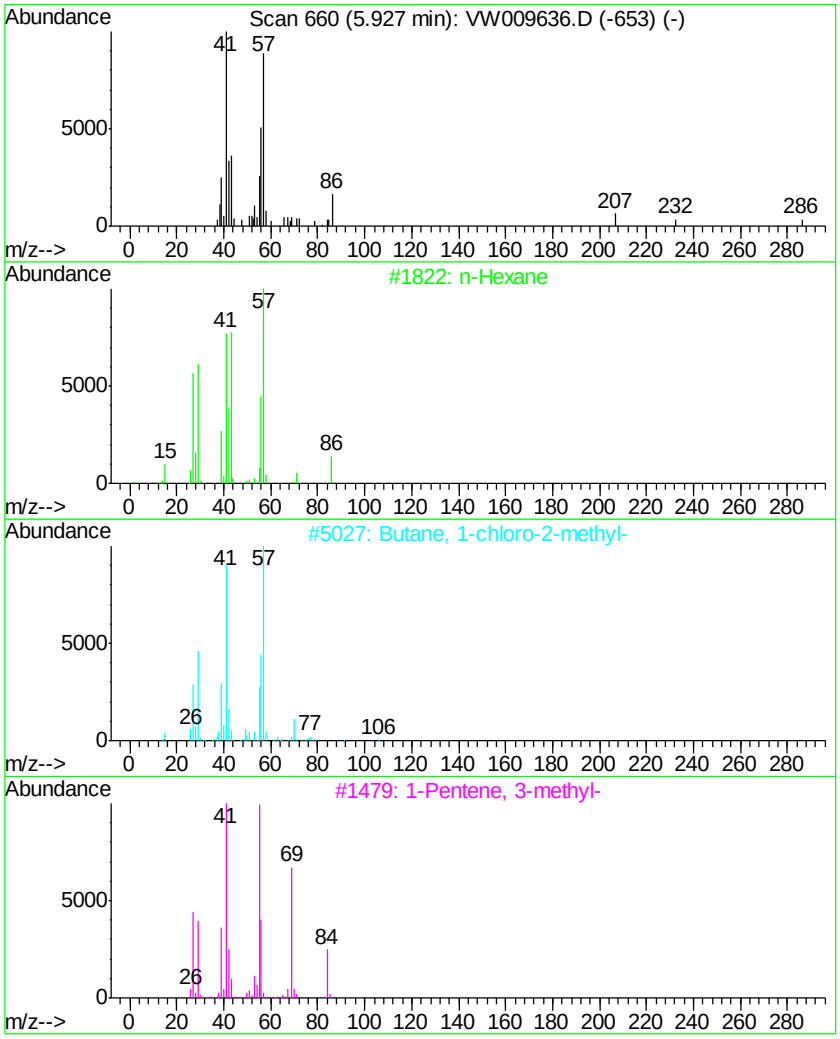
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

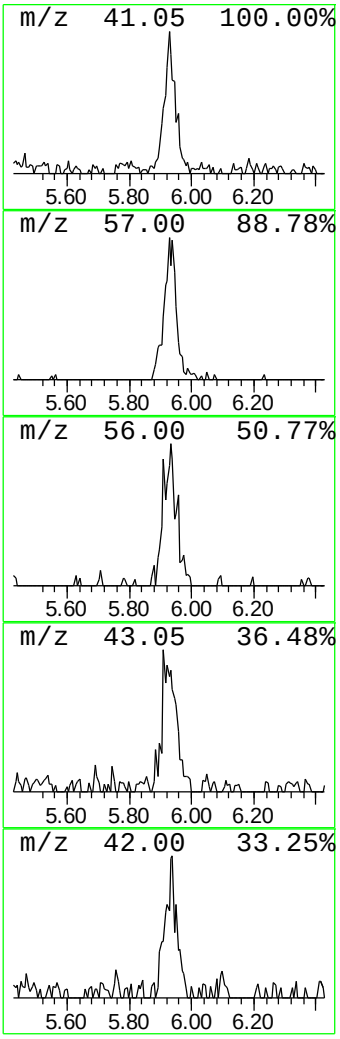
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	1.59 ug/L	31257	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	59
2	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	38
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	32
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	32
5	1-Hexanol	102	C6H14O	000111-27-3	28





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Quant Title : VOC Analysis

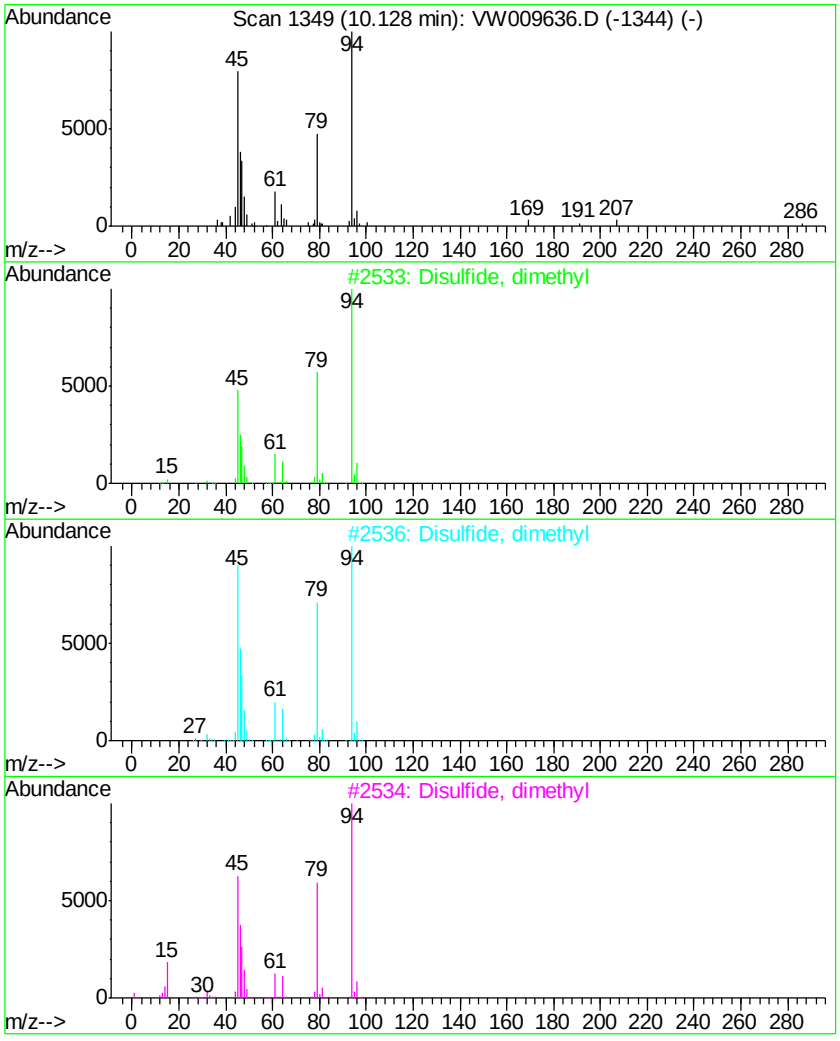
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

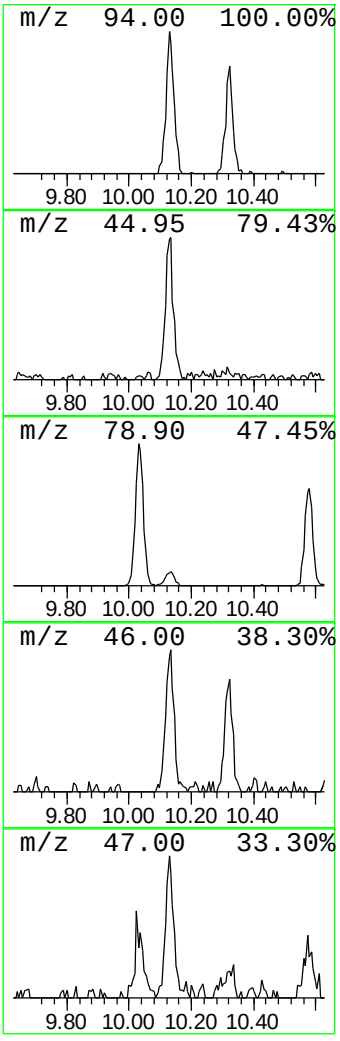
****

Peak Number 5 Disulfide, dimethyl Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	1.66 ug/L	32734	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, dimethyl	94	C2H6S2	000624-92-0	95
2	Disulfide, dimethyl	94	C2H6S2	000624-92-0	94
3	Disulfide, dimethyl	94	C2H6S2	000624-92-0	91
4	Disulfide, dimethyl	94	C2H6S2	000624-92-0	87
5	Disulfide, dimethyl	94	C2H6S2	000624-92-0	87





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

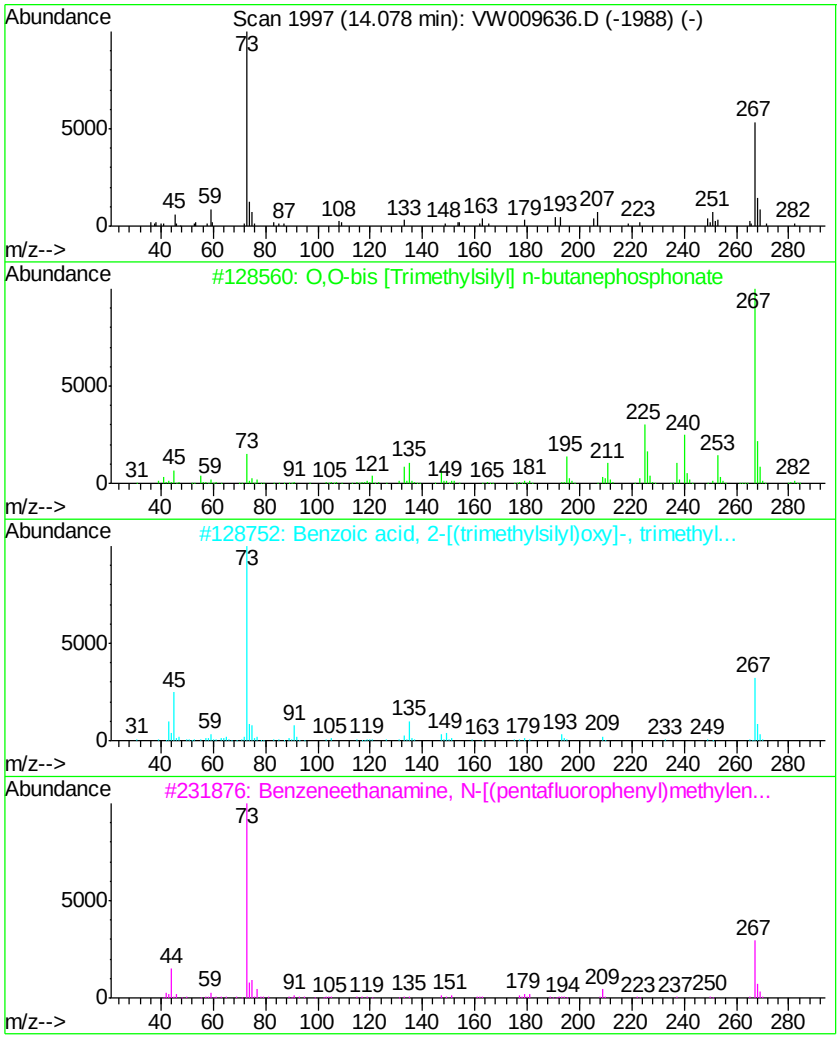
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

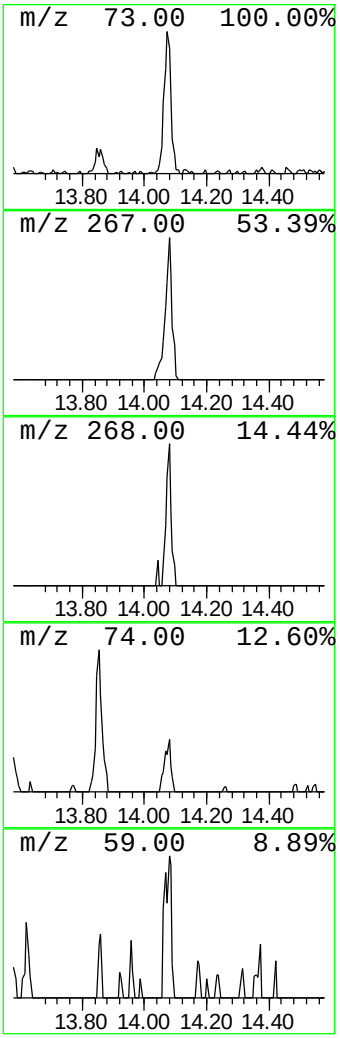
****

Peak Number 7 O,O-bis [Trimethylsilyl] n-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	2.86 ug/L	22057	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	O,O-bis [Trimethylsilyl] n-butan...	282	C10H27O3PSi2	017988-74-8	64
2	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	59
3	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	59
4	4-Hydroxymandelic acid, ethyl es...	340	C16H28O4Si2	1000071-53-3	56
5	Butanamide, 2,2,3,3,4,4,4-heptaf...	493	C18H26F7NO3Si2	055471-01-7	56





Tentatively Identified Compound (LSC) summary

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ClientSampleId : BF5C2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.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 sulfide	4.20	4.1	ug/L	81255	1	8.84	491694	25.0
(DEL) Alkane: Str...	5.93	1.6	ug/L	31257	1	8.84	491694	25.0
Disulfide, dimethyl	10.13	1.7	ug/L	32734	1	8.84	491694	25.0
O,O-bis [Trimethy...	14.08	2.9	ug/L	22057	3	13.56	192517	25.0