LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
Data File : VW009485.D
Acq On : 27 Mar 2019 01:27
Operator : SY/VA
Sample : K2068-05
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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	2.361	69	75	88	rVB	49684	122616	11.73%	1.580%
2	3.824	312	315	316	rBV3	2428	2623	0.25%	0.034%
3	3.891	325	326	327	rBV	2671	1311	0.13%	0.017%
4	4.013	336	346	360	rBV2	91213	311585	29.82%	4.015%
5	4.196	370	376	389	rVB2	61498	166824	15.97%	2.150%
6	4.598	440	442	447	rBV	2288	3784	0.36%	0.049%
7	4.635	447	448	449	rVB	1874	737	0.07%	0.009%
8	4.763	465	469	471	rBV2	1870	1989	0.19%	0.026%
9	4.824	478	479	482	rBV2	1099	1278	0.12%	0.016%
10	4.921	482	495	497	rBV4	18265	53469	5.12%	0.689%
11	5.159	532	534	535	rBV	2034	1228	0.12%	0.016%
12	5.232	544	546	547	rBV2	1591	1348	0.13%	0.017%
13	5.257	548	550	551	rVV	1213	704	0.07%	0.009%
14	5.324	560	561	562	rBV	1528	684	0.07%	0.009%
15	5.342	562	564	567	rVV	2205	2614	0.25%	0.034%
16	5.373	567	569	571	rVB	1838	1531	0.15%	0.020%
17	5.452	581	582	585	rVB	1357	1343	0.13%	0.017%
18	5.537	594	596	598	rBV	1583	1609	0.15%	0.021%
19	5.574	601	602	604	rBV	1305	843	0.08%	0.011%
20	5.647	612	614	615	rBV2	1843	1081	0.10%	0.014%
21	5.714	623	625	626	rBV	1703	1362	0.13%	0.018%
22	5.732	626	628	630	rBV	1521	1098	0.11%	0.014%
23	5.775	631	635	636	rBV3	3451	4501	0.43%	0.058%
24	6.068	682	683	685	rBV	1838	1196	0.11%	0.015%
25	6.129	692	693	696	rBV2	2440	2362	0.23%	0.030%
26	6.159	696	698	701	rVV2	1343	1580	0.15%	0.020%
27	6.226	707	709	710	rBV	896	436	0.04%	0.006%
28	6.342	726	728	729	rBV	1774	820	0.08%	0.011%
29	6.372	732	733	734	rBV	1334	823	0.08%	0.011%
30	6.409	734	739	743	rVV4	3905	8215	0.79%	0.106%
31	6.464	746	748	750	rVB	2136	1591	0.15%	0.021%
32	6.555	762	763	764	rBV	1817	944	0.09%	0.012%
33	6.586	767	768	770	rBV	4029	3419	0.33%	0.044%
34	6.744	792	794	795	rBV	1295	728	0.07%	0.009%

LSC Area Percent Report

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Operator : SY/VA
Sample : K2068-05
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

35	6.799	801	803	804	rBV	1324	1179	0.11%	0.015%
36	6.836	808	809	810	rBV	1578	843	0.08%	0.011%
37	6.878	814	816	817	rBV2	1247	987	0.09%	0.013%
38	7.086	841	850	855	rBV3	28045	85591	8.19%	1.103%
39	7.427	902	906	907	rBV2	1595	2190	0.21%	0.028%
40	7.500	915	918	919	rBV2	2167	2549	0.24%	0.033%
41	7.640	933	941	951	rVB	206494	494147	47.29%	6.368%
42	7.744	956	958	961	rVV	1717	1507	0.14%	0.019%
43	7.787	964	965	967	rVV2	1880	1356	0.13%	0.017%
44	7.811	967	969	970	rVB	1906	1154	0.11%	0.015%
45	7.884	979	981	982	rBV	1910	764	0.07%	0.010%
46	7.951	988	992	994	rBV	2161	3044	0.29%	0.039%
47	8.000	999	1000	1001	rBV	1523	867	0.08%	0.011%
48	8.037	1004	1006	1008	rVB	2365	1832	0.18%	0.024%
49	8.055	1008	1009	1011	rBV	1170	1175	0.11%	0.015%
50	8.073	1011	1012	1014	rVB	1305	548	0.05%	0.007%
51	8.092	1014	1015	1017	rVB2	1080	778	0.07%	0.010%
52	8.110	1017	1018	1020	rVB	1974	1009	0.10%	0.013%
53	8.134	1020	1022	1023	rBV	1550	1592	0.15%	0.021%
54	8.171	1026	1028	1029	rBV	1022	706	0.07%	0.009%
55	8.189	1029	1031	1032	rVB	1254	737	0.07%	0.009%
56	8.275	1034	1045	1058	rBV2	326901	1044889	100.00%	13.464%
57	8.512	1082	1084	1085	rBV	1884	1232	0.12%	0.016%
58	8.549	1085	1090	1098	rVB4	17998	37895	3.63%	0.488%
59	8.634	1102	1104	1106	rBV2	2601	2663	0.25%	0.034%
60	8.677	1109	1111	1112	rBV	3321	2697	0.26%	0.035%
61	8.762	1122	1125	1126	rVB	1436	1131	0.11%	0.015%
62	8.841	1129	1138	1150	rBV	364907	721027	69.01%	9.291%
63	9.030	1167	1169	1170	rBV	2789	2106	0.20%	0.027%
64	9.274	1201	1209	1218	rBV	257856	519514	49.72%	6.694%
65	9.561	1254	1256	1258	rBV2	1475	886	0.08%	0.011%
66	9.677	1273	1275	1276	rVB	2360	1383	0.13%	0.018%
67	9.707	1278	1280	1282	rVV	1427	1109	0.11%	0.014%
68	10.036	1326	1334	1343	rBV	87986	165397	15.83%	2.131%
69	10.134	1345	1350	1356	rVB5	9424	19496	1.87%	0.251%
70	10.213	1360	1363	1364	rBV	1895	1624	0.16%	0.021%
71	10.323	1374	1381	1388	rVB	409292	693008	66.32%	8.930%

LSC Area Percent Report

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Operator : SY/VA
Sample : K2068-05
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

72	10.579	1417	1423	1434	rVB	63127	118597	11.35%	1.528%
73	10.707	1440	1444	1446	rBV2	4161	6167	0.59%	0.079%
74	10.762	1450	1453	1454	rBV2	2764	2750	0.26%	0.035%
75	10.926	1474	1480	1493	rBV4	110222	307920	29.47%	3.968%
76	11.463	1566	1568	1571	rBV	2297	1289	0.12%	0.017%
77	11.628	1589	1595	1609	rVB	476490	830255	79.46%	10.699%
78	12.109	1672	1674	1675	rBV	2573	1586	0.15%	0.020%
79	12.414	1722	1724	1726	rVB	2324	1754	0.17%	0.023%
80	12.475	1729	1734	1740	rVB2	40923	70906	6.79%	0.914%
81	12.609	1749	1756	1760	rBV5	9511	17970	1.72%	0.232%
82	12.694	1763	1770	1781	rVV	263923	434494	41.58%	5.599%
83	12.829	1791	1792	1793	rVB	1903	696	0.07%	0.009%
84	12.938	1807	1810	1812	rBV3	3204	3948	0.38%	0.051%
85	13.030	1819	1825	1832	rBB2	66150	109990	10.53%	1.417%
86	13.560	1906	1912	1918	rBV	405839	641862	61.43%	8.271%
87	13.621	1918	1922	1928	rVB4	39583	69077	6.61%	0.890%
88	13.706	1934	1936	1937	rBV	4008	3297	0.32%	0.042%
89	13.859	1954	1961	1967	rBV	338411	564921	54.07%	7.279%
90	14.267	2025	2028	2032	rVB6	7291	9295	0.89%	0.120%
91	14.493	2062	2065	2069	rBV	2311	2888	0.28%	0.037%
92	14.523	2069	2070	2071	rBV	2259	905	0.09%	0.012%
93	14.554	2071	2075	2078	rBV	2226	3732	0.36%	0.048%
94	14.664	2091	2093	2096	rBV2	2000	1250	0.12%	0.016%
95	14.694	2096	2098	2099	rBV	1964	1463	0.14%	0.019%
96	14.828	2117	2120	2121	rBV	2947	3372	0.32%	0.043%
97	15.413	2212	2216	2217	rBV3	3922	5004	0.48%	0.064%
98	15.505	2226	2231	2236	rBV4	4537	8737	0.84%	0.113%
99	15.798	2278	2279	2286	rVB2	3511	7424	0.71%	0.096%

Sum of corrected areas: 7760437

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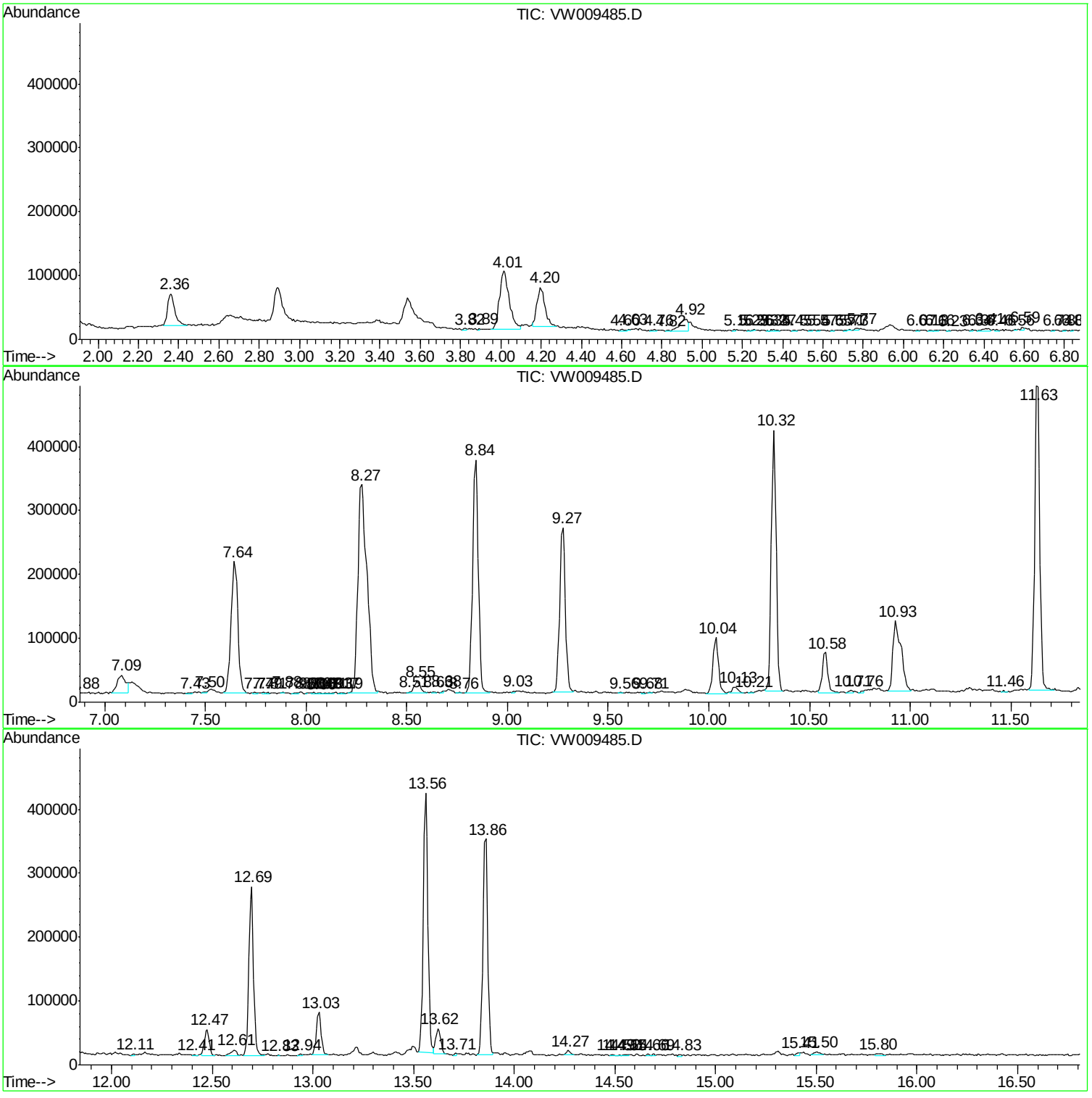
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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\VW032619\
Data File : VW009485.D
Acq On : 27 Mar 2019 01:27
Operator : SY/VA
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Instrument : MSVOA_W
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Quant Title : VOC Analysis

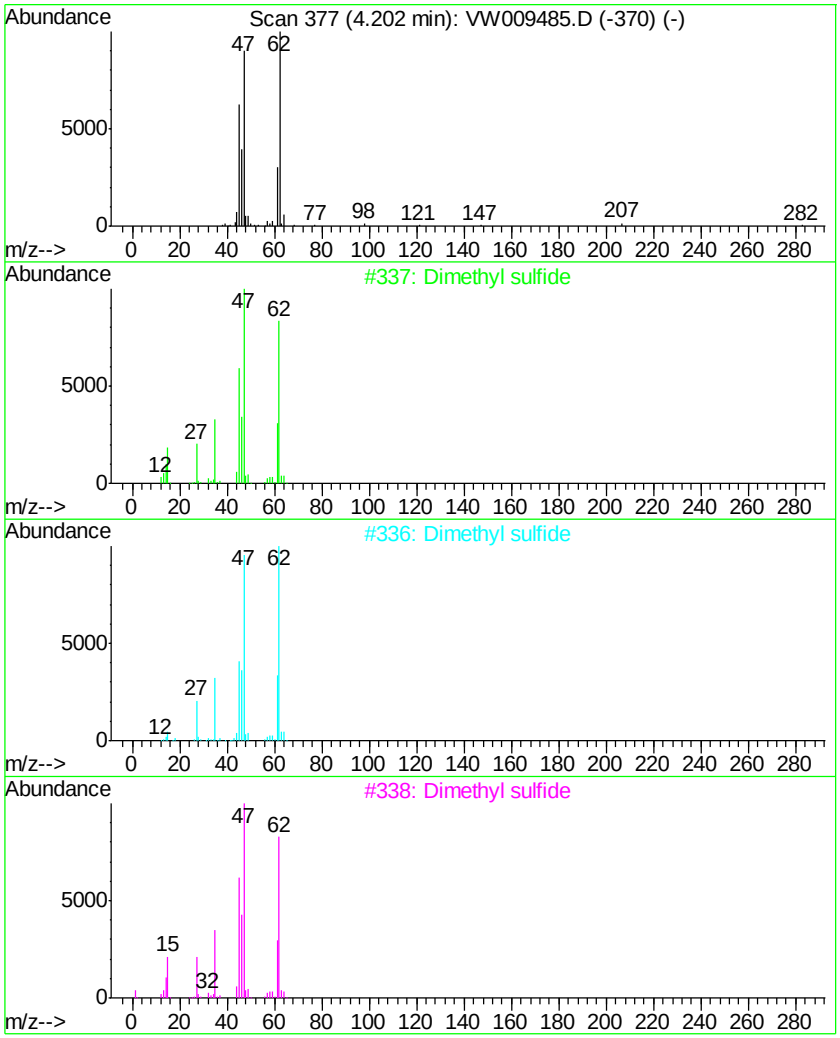
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

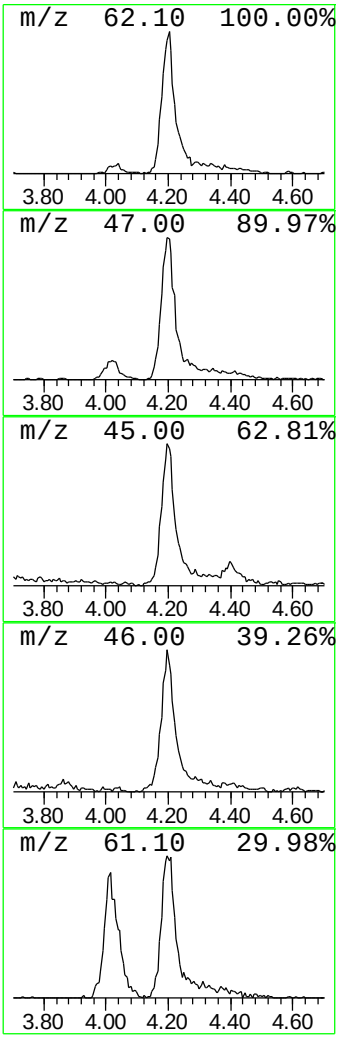
****

Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	5.78 ug/L	166824	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	91
2	Dimethyl sulfide	62	C2H6S	000075-18-3	91
3	Dimethyl sulfide	62	C2H6S	000075-18-3	91
4	Dimethyl sulfide	62	C2H6S	000075-18-3	90
5	Ethanethiol	62	C2H6S	000075-08-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032619\
Data File : VW009485.D
Acq On : 27 Mar 2019 01:27
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Sample : K2068-05
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

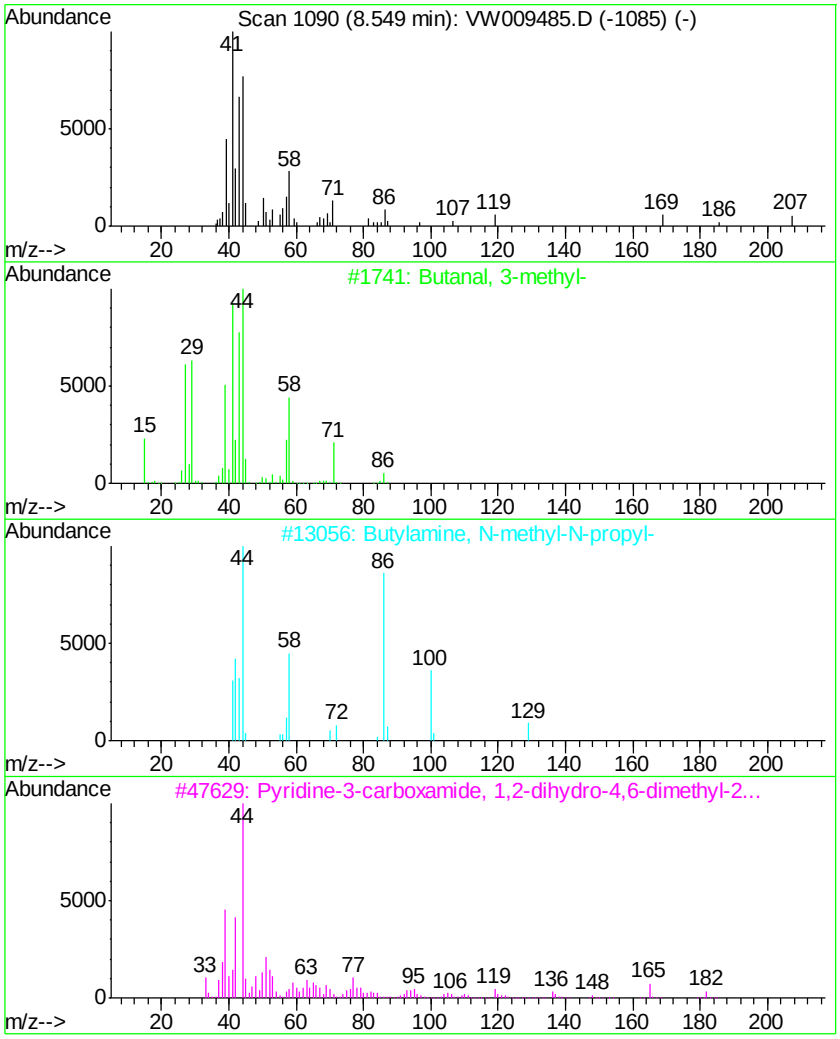
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

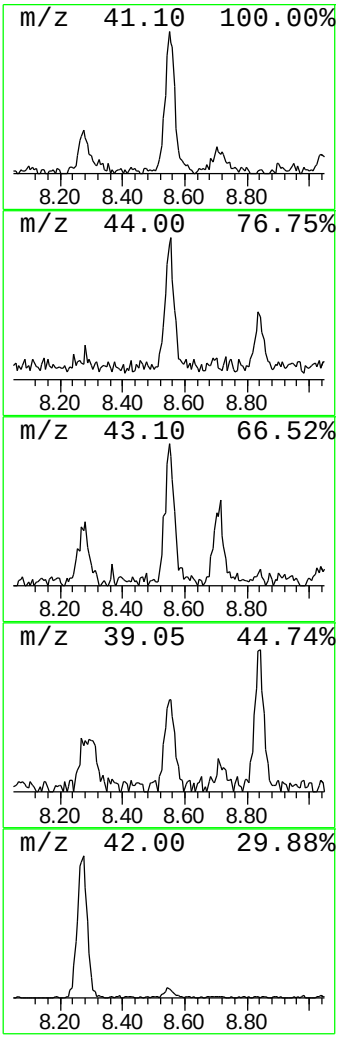
****

Peak Number 2 Butanal, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	1.31 ug/L	37895	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	72
2	Butylamine, N-methyl-N-propyl-	129	C8H19N	024551-99-3	38
3	Pyridine-3-carboxamide, 1,2-dihy...	182	C8H10N2OS	079927-21-2	38
4	Piperidine, 3-(bromomethyl)-	177	C6H12BrN	1000362-63-2	36
5	Piperazine, 2-methyl-	100	C5H12N2	000109-07-9	33





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

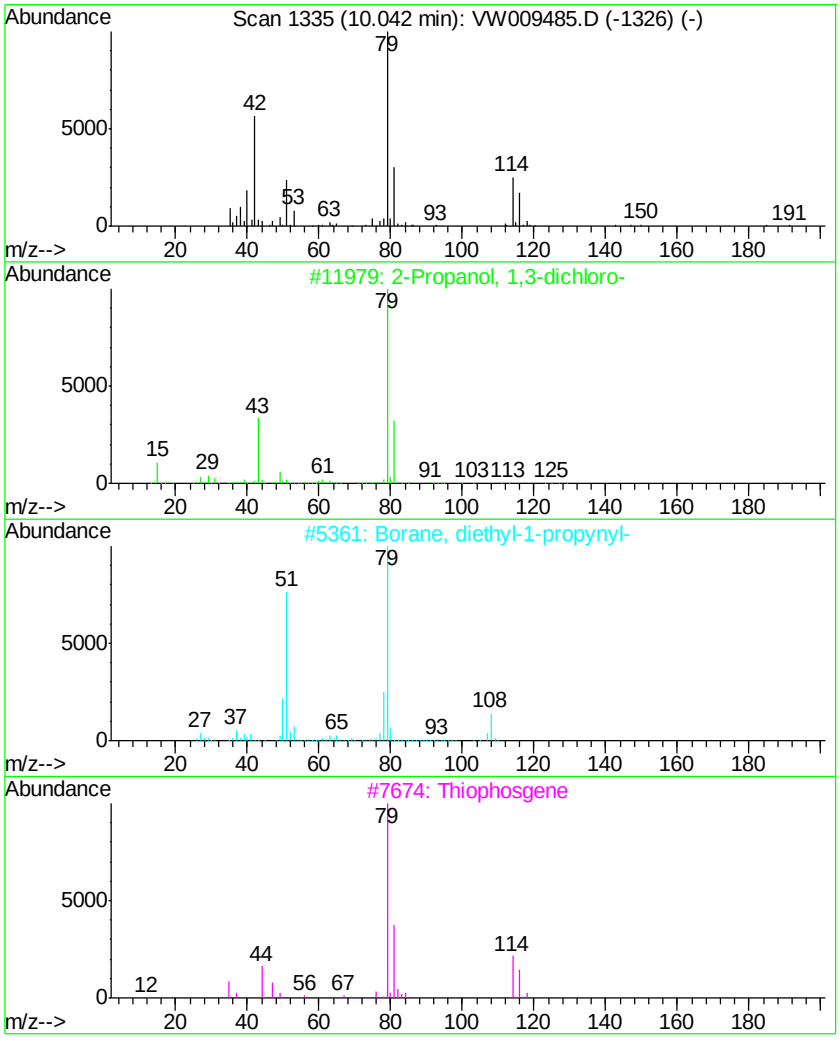
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

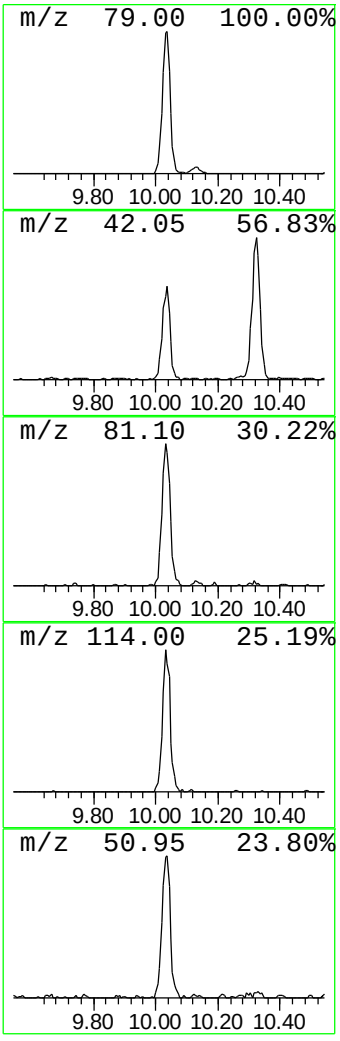
****

Peak Number 3 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	5.73 ug/L	165397	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	35
2	Borane, diethyl-1-propynyl-	108	C7H13B	022405-32-9	17
3	Thiophosgene	114	CCl2S	000463-71-8	16
4	1-Dimethylamino-2-nitroethylene	116	C4H8N2O2	001190-92-7	9
5	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
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Sample : K2068-05
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

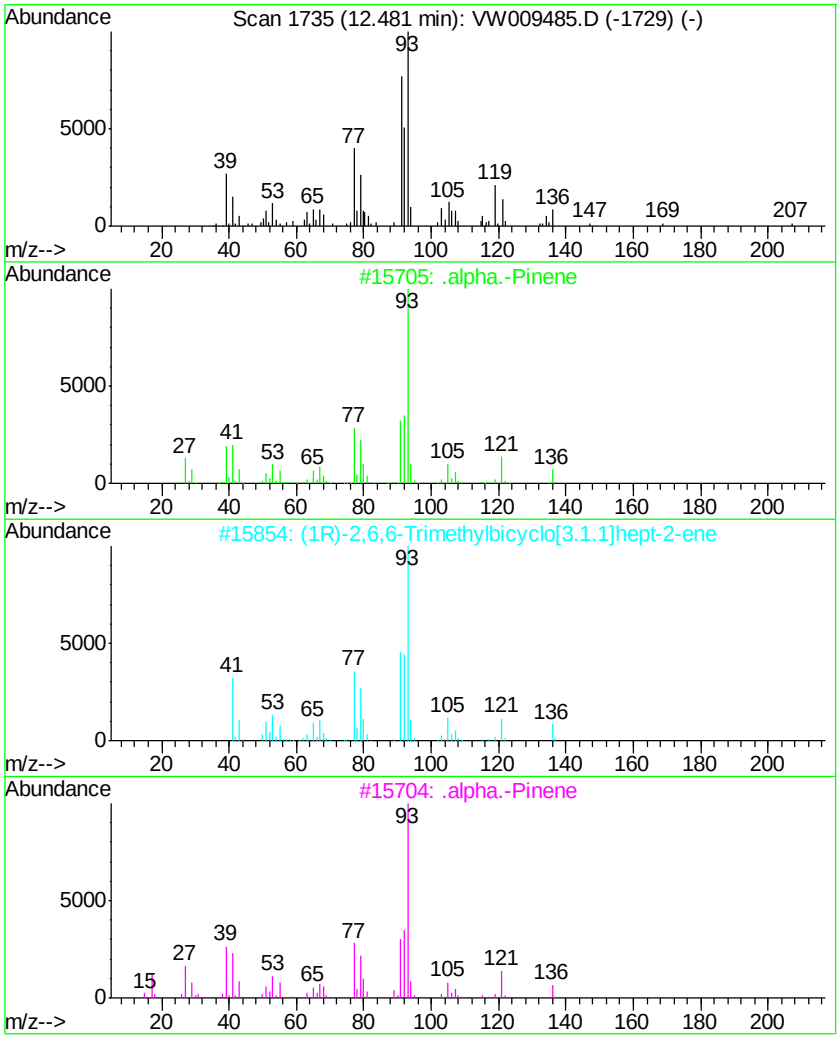
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

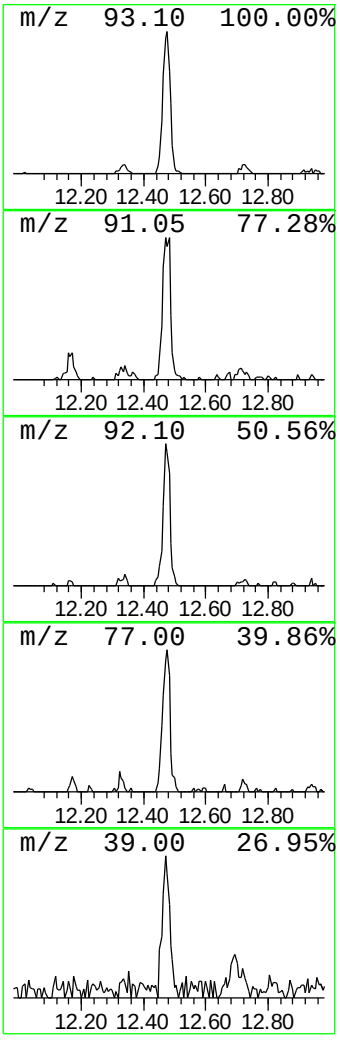
****

Peak Number 4 .alpha.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.14 ug/L	70906	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032619\
Data File : VW009485.D
Acq On : 27 Mar 2019 01:27
Operator : SY/VA
Sample : K2068-05
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

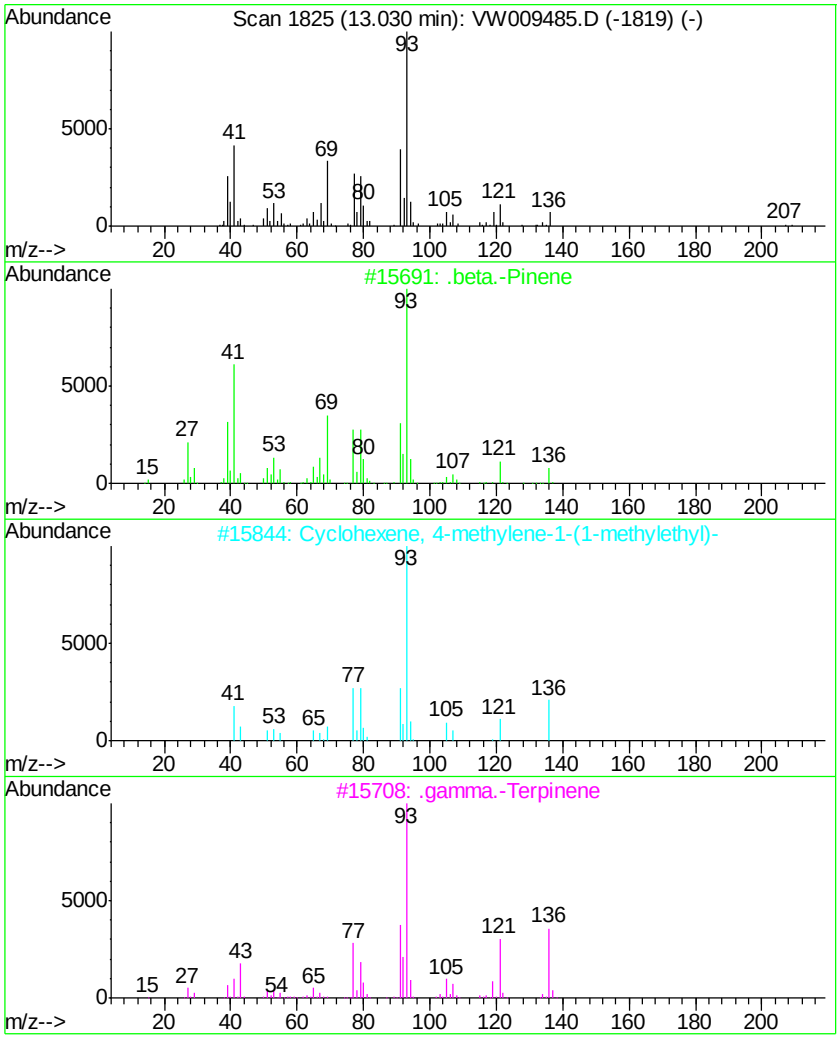
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

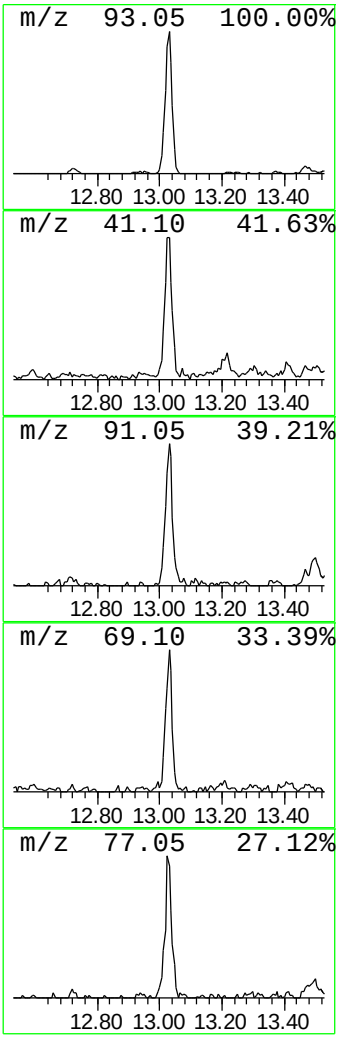
****

Peak Number 5 .beta.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.28 ug/L	109990	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	97
2	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
3	.gamma.-Terpinene	136	C10H16	000099-85-4	91
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032619\
Data File : VW009485.D
Acq On : 27 Mar 2019 01:27
Operator : SY/VA
Sample : K2068-05
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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

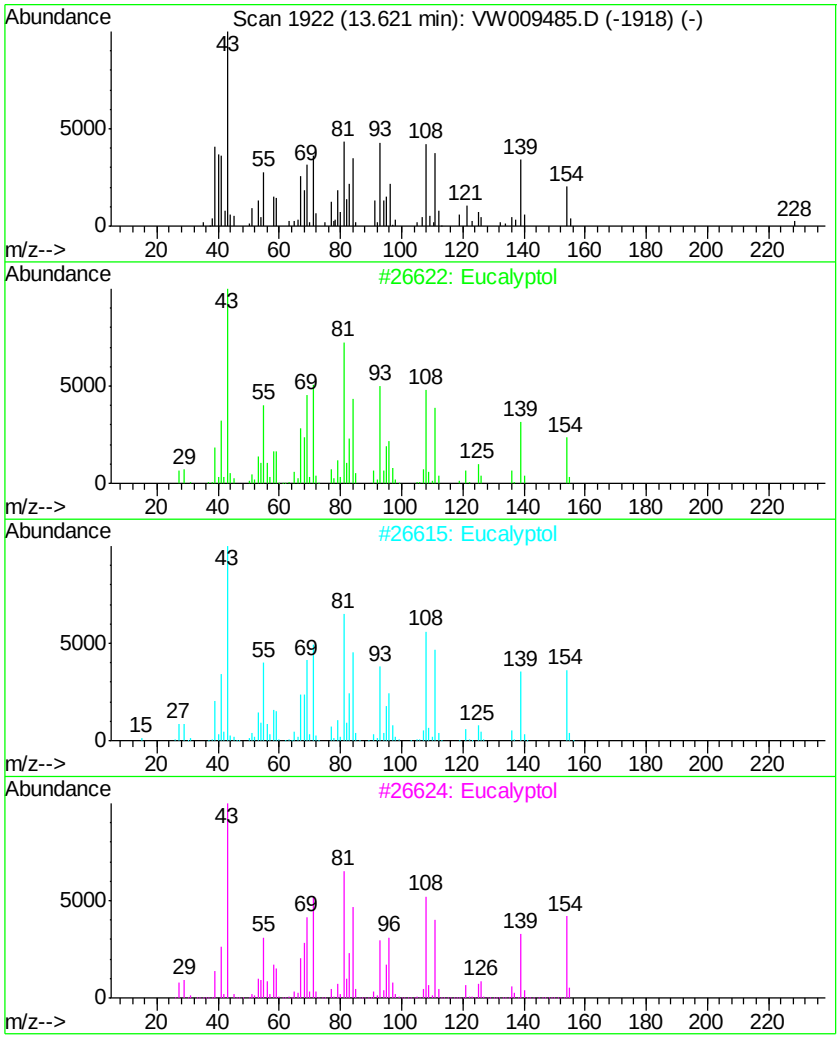
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

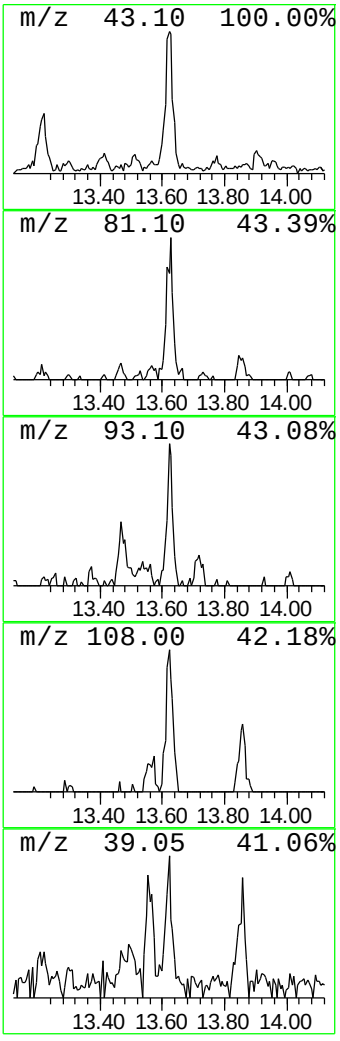
****

Peak Number 6 Eucalyptol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	2.69 ug/L	69077	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	98
2	Eucalyptol	154	C10H18O	000470-82-6	93
3	Eucalyptol	154	C10H18O	000470-82-6	93
4	Eucalyptol	154	C10H18O	000470-82-6	90
5	Eucalyptol	154	C10H18O	000470-82-6	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032619\
Data File : VW009485.D
Acq On : 27 Mar 2019 01:27
Operator : SY/VA
Sample : K2068-05
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5M7

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	5.8	ug/L	166824	1	8.84	721027	25.0
Butanal, 3-methyl-	8.55	1.3	ug/L	37895	1	8.84	721027	25.0
unknown-01	10.04	5.7	ug/L	165397	1	8.84	721027	25.0
.alpha.-Pinene	12.48	2.1	ug/L	70906	2	11.63	830255	25.0
.beta.-Pinene	13.03	4.3	ug/L	109990	3	13.56	641862	25.0
Eucalyptol	13.62	2.7	ug/L	69077	3	13.56	641862	25.0