LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\
Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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	1.952	4	8	22	rVB3	29414	74060	2.28%	0.296%
2	2.154	37	41	48	rBV3	17481	48110	1.48%	0.193%
3	2.349	67	73	83	rBV	228834	419790	12.91%	1.681%
4	2.885	154	161	179	rVB	176012	446033	13.71%	1.786%
5	3.288	222	227	230	rBV6	1963	4153	0.13%	0.017%
6	3.379	235	242	253	rVV	20300	54045	1.66%	0.216%
7	3.470	255	257	259	rBV2	1169	906	0.03%	0.004%
8	3.531	263	267	270	rBV5	1841	2104	0.06%	0.008%
9	3.733	295	300	301	rBV5	1377	2064	0.06%	0.008%
10	3.879	317	324	335	rVB8	4545	13219	0.41%	0.053%
11	4.019	335	347	359	rBV	326274	1071299	32.94%	4.289%
12	4.117	359	363	369	rVV2	45375	112001	3.44%	0.448%
13	4.202	370	377	392	rVB	90373	264720	8.14%	1.060%
14	4.379	399	406	407	rBV	12337	18435	0.57%	0.074%
15	4.610	438	444	452	rVV4	3456	8453	0.26%	0.034%
16	4.745	463	466	469	rBV5	733	1081	0.03%	0.004%
17	4.812	475	477	481	rVB4	1024	1221	0.04%	0.005%
18	4.909	481	493	509	rBV4	43996	175367	5.39%	0.702%
19	5.116	519	527	528	rBV4	1076	2247	0.07%	0.009%
20	5.159	531	534	536	rVV3	1312	1693	0.05%	0.007%
21	5.348	562	565	567	rBV2	933	1078	0.03%	0.004%
22	5.379	567	570	572	rBV2	990	1067	0.03%	0.004%
23	5.708	621	624	626	rVB3	663	888	0.03%	0.004%
24	5.744	626	630	632	rBV3	870	1098	0.03%	0.004%
25	5.933	651	661	671	rBV6	8787	27218	0.84%	0.109%
26	6.092	683	687	689	rBV3	839	1086	0.03%	0.004%
27	6.281	711	718	720	rBV5	1676	2822	0.09%	0.011%
28	6.616	768	773	774	rBV3	1135	1688	0.05%	0.007%
29	6.726	785	791	792	rBV3	516	1014	0.03%	0.004%
30	6.994	830	835	838	rBV6	1770	2635	0.08%	0.011%
31	7.073	840	848	852	rBV	69642	175213	5.39%	0.701%
32	7.427	900	906	911	rBV4	4203	10497	0.32%	0.042%
33	7.525	916	922	932	rVB6	5251	14713	0.45%	0.059%
34	7.646	932	942	955	rBV	533524	1328743	40.85%	5.320%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\
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Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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	8.140	1022	1023	1027	rVB3	1415	974	0.03%	0.004%
36	8.274	1031	1045	1063	rBV2	1095435	3252767	100.00%	13.022%
37	8.530	1082	1087	1090	rBV6	1172	1632	0.05%	0.007%
38	8.695	1107	1114	1116	rBV5	2258	4941	0.15%	0.020%
39	8.713	1116	1117	1126	rVB6	2597	3078	0.09%	0.012%
40	8.841	1126	1138	1155	rBV	1033871	2039769	62.71%	8.166%
41	9.073	1166	1176	1183	rBV7	7202	17507	0.54%	0.070%
42	9.274	1199	1209	1218	rBV	763540	1562501	48.04%	6.255%
43	9.433	1230	1235	1240	rBV	9200	15576	0.48%	0.062%
44	9.591	1257	1261	1265	rBV5	1958	3979	0.12%	0.016%
45	9.664	1267	1273	1281	rVB7	2998	8635	0.27%	0.035%
46	9.792	1291	1294	1296	rBV3	1143	1227	0.04%	0.005%
47	9.853	1303	1304	1308	rVB4	1087	1015	0.03%	0.004%
48	9.939	1313	1318	1319	rBV2	701	1073	0.03%	0.004%
49	10.030	1322	1333	1342	rBV	222135	412362	12.68%	1.651%
50	10.134	1345	1350	1358	rVB5	9419	23034	0.71%	0.092%
51	10.207	1358	1362	1369	rVB4	3770	7341	0.23%	0.029%
52	10.323	1371	1381	1388	rBV	1400519	2462974	75.72%	9.860%
53	10.384	1388	1391	1403	rVB	46507	85246	2.62%	0.341%
54	10.494	1403	1409	1415	rBV	2612	6200	0.19%	0.025%
55	10.573	1416	1422	1431	rVV	145424	251444	7.73%	1.007%
56	10.701	1436	1443	1450	rBV	65194	123553	3.80%	0.495%
57	10.762	1450	1453	1458	rVB6	5249	8032	0.25%	0.032%
58	10.926	1473	1480	1497	rBV3	283750	619500	19.05%	2.480%
59	11.061	1497	1502	1515	rVB2	42676	92260	2.84%	0.369%
60	11.438	1559	1564	1571	rVB3	24952	44155	1.36%	0.177%
61	11.627	1588	1595	1612	rBV	1259679	2179382	67.00%	8.725%
62	12.365	1711	1716	1721	rVB4	13946	22982	0.71%	0.092%
63	12.432	1723	1727	1729	rBV4	18209	26388	0.81%	0.106%
64	12.469	1729	1733	1740	rVB2	64285	106054	3.26%	0.425%
65	12.609	1750	1756	1761	rBV	78362	137686	4.23%	0.551%
66	12.688	1762	1769	1785	rVV2	559457	1248316	38.38%	4.998%
67	12.810	1785	1789	1795	rVB2	10196	15634	0.48%	0.063%
68	12.957	1804	1813	1818	rBV3	76302	156447	4.81%	0.626%
69	13.024	1818	1824	1832	rVB	254161	417870	12.85%	1.673%
70	13.243	1849	1860	1865	rBV	371149	620568	19.08%	2.484%
71	13.292	1865	1868	1873	rVB4	24904	41896	1.29%	0.168%

LSC Area Percent Report

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Data File : VW014411.D
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Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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	13.359	1874	1879	1884	rBV2	27777	44681	1.37%	0.179%
73	13.493	1891	1901	1906	rBV	696321	1351973	41.56%	5.413%
74	13.554	1906	1911	1919	rVB	964255	1570908	48.29%	6.289%
75	13.645	1924	1926	1932	rVB5	6684	10826	0.33%	0.043%
76	13.712	1932	1937	1941	rBV3	19974	30219	0.93%	0.121%
77	13.761	1941	1945	1947	rBV5	3656	4742	0.15%	0.019%
78	13.853	1953	1960	1973	rVB	807902	1357793	41.74%	5.436%
79	13.950	1973	1976	1978	rVV4	2814	3866	0.12%	0.015%
80	13.999	1979	1984	1988	rVV3	24312	41220	1.27%	0.165%
81	14.066	1991	1995	2004	rVB2	24720	41916	1.29%	0.168%
82	14.261	2023	2027	2031	rBV4	13635	20150	0.62%	0.081%
83	14.322	2034	2037	2043	rVB6	7845	13826	0.43%	0.055%
84	14.444	2055	2057	2058	rBV2	1434	1178	0.04%	0.005%
85	14.517	2061	2069	2077	rVB2	3774	12838	0.39%	0.051%
86	14.590	2077	2081	2082	rBV4	2118	2662	0.08%	0.011%
87	14.627	2084	2087	2092	rVB6	4429	6713	0.21%	0.027%
88	14.694	2096	2098	2100	rVV3	2598	2566	0.08%	0.010%
89	14.724	2101	2103	2108	rVB4	4371	4850	0.15%	0.019%
90	15.066	2154	2159	2165	rBV4	19192	35793	1.10%	0.143%
91	15.212	2178	2183	2188	rVB4	12979	24135	0.74%	0.097%
92	15.438	2211	2220	2225	rBV2	26122	50655	1.56%	0.203%
93	15.694	2258	2262	2264	rBV5	3040	4216	0.13%	0.017%
94	15.846	2285	2287	2290	rVB4	3446	3088	0.09%	0.012%
95	15.974	2306	2308	2312	rBV5	1865	1807	0.06%	0.007%
96	16.047	2319	2320	2322	rVB2	2315	1437	0.04%	0.006%
97	16.243	2350	2352	2354	rVB3	1414	885	0.03%	0.004%
98	16.419	2377	2381	2388	rVB7	7962	16600	0.51%	0.066%
99	16.627	2413	2415	2416	rBV	1289	945	0.03%	0.004%
100	16.724	2429	2431	2433	rBV3	1483	1270	0.04%	0.005%

Sum of corrected areas: 24978517

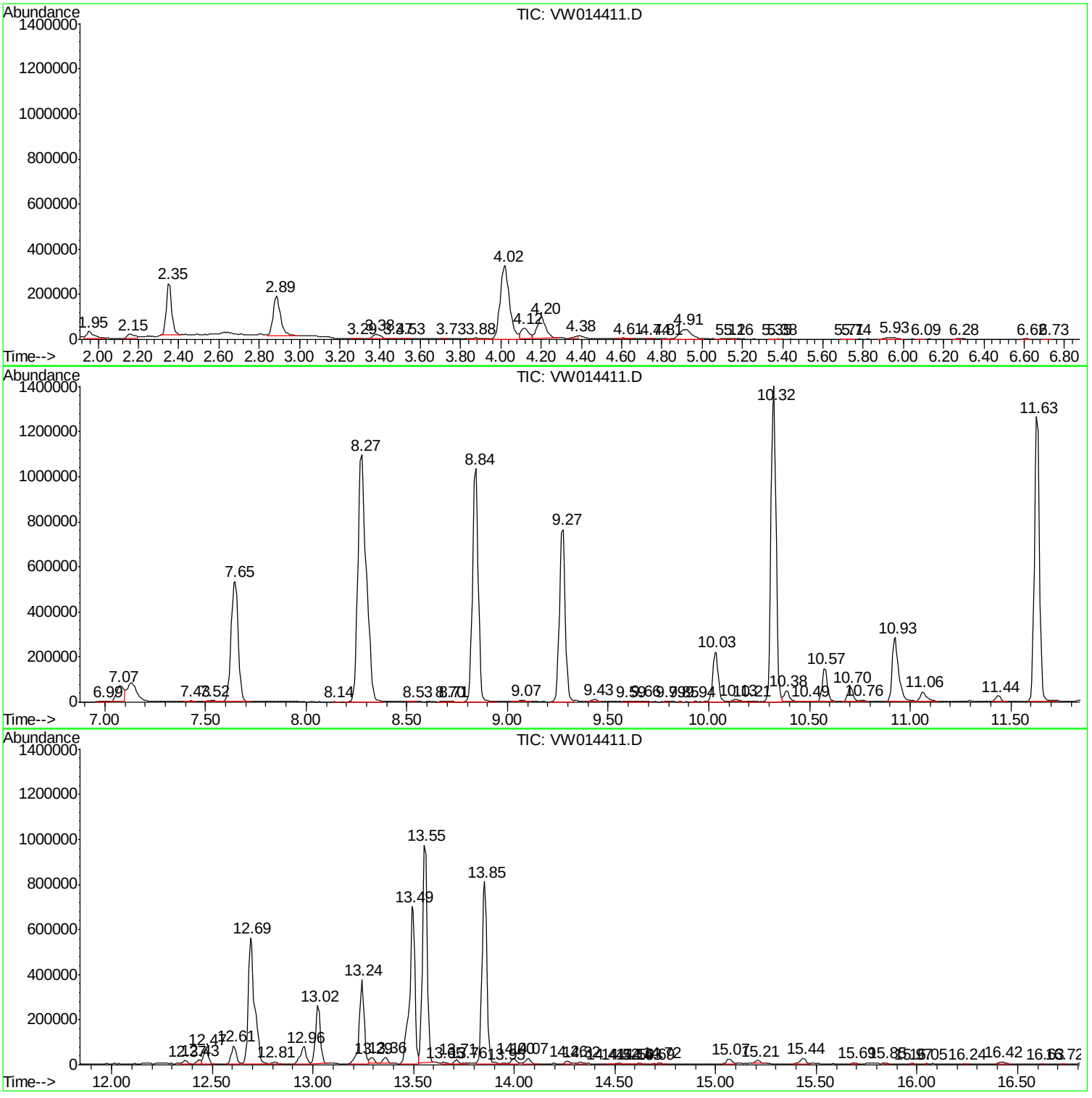
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121719\
Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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\VW121719\
Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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

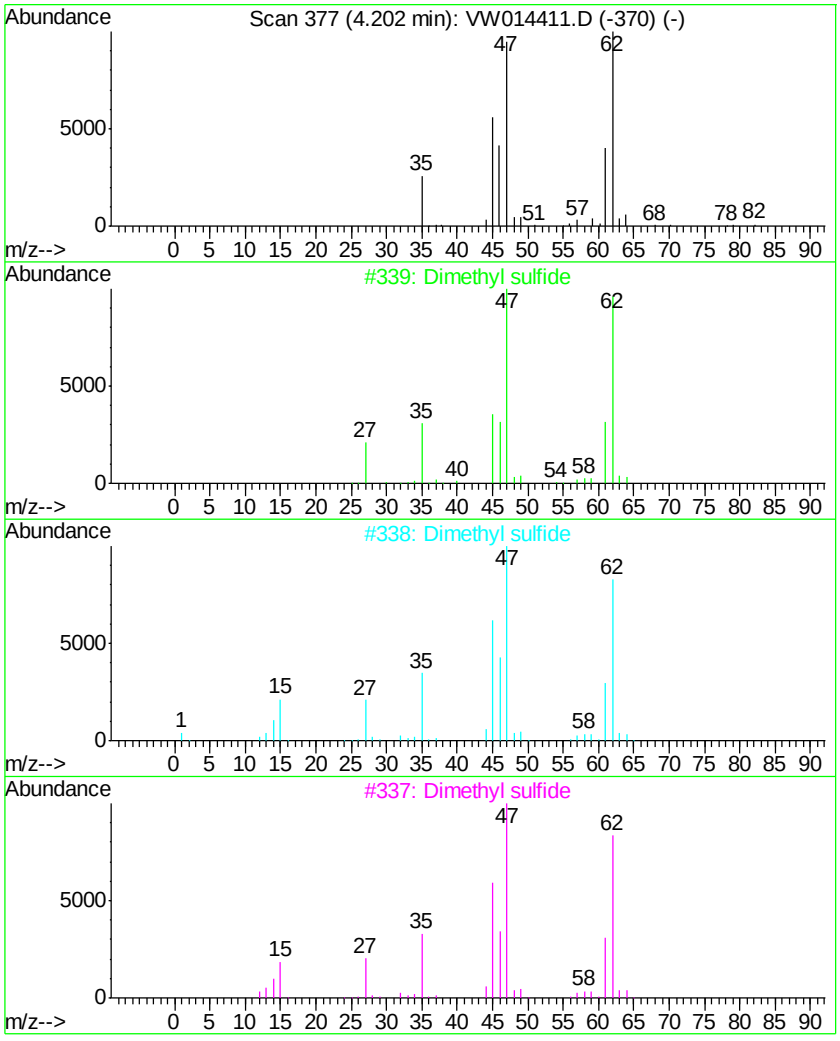
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

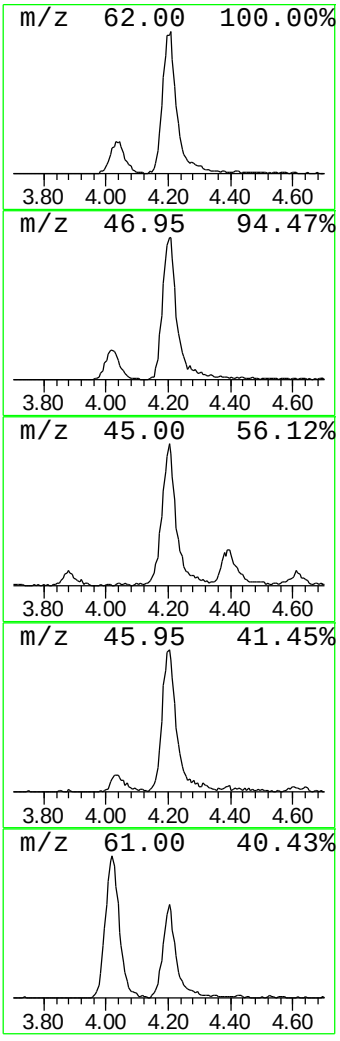
****

Peak Number 1 Dimethyl sulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	3.24 ug/L	264720	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Dimethyl sulfide	62	C2H6S	000075-18-3	94
3	Dimethyl sulfide	62	C2H6S	000075-18-3	91
4	Dimethyl sulfide	62	C2H6S	000075-18-3	90
5	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	72





Library Search Compound Report

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Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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

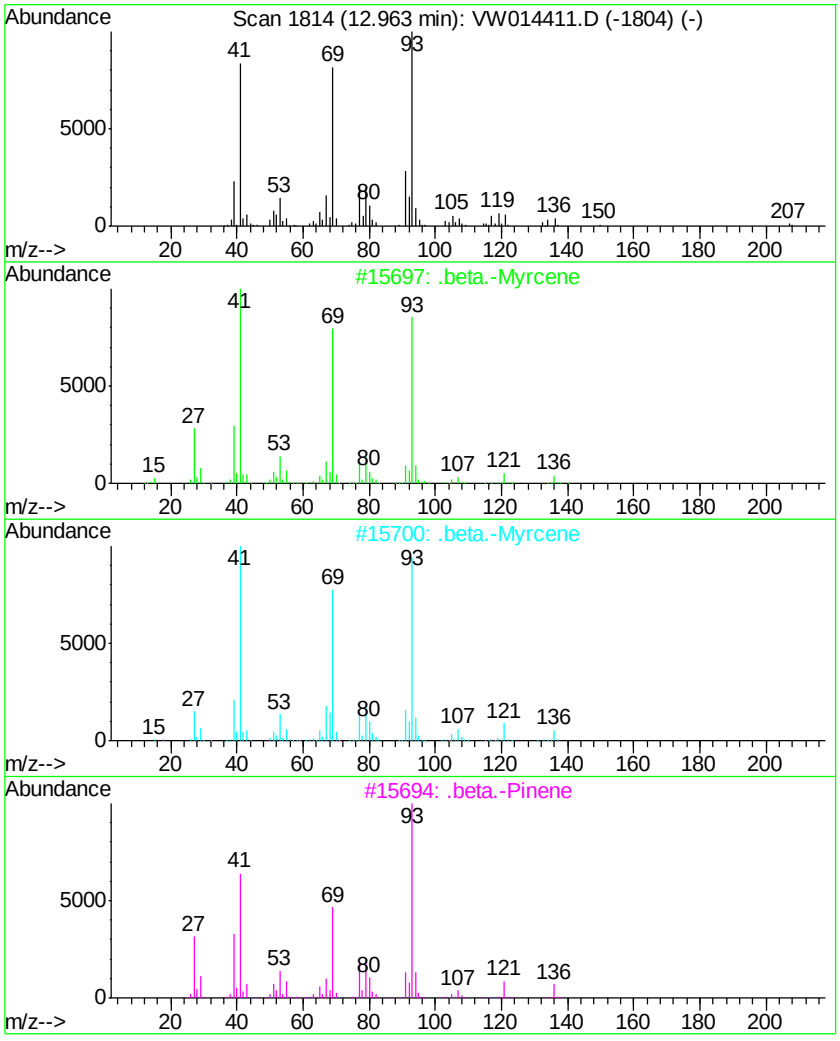
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

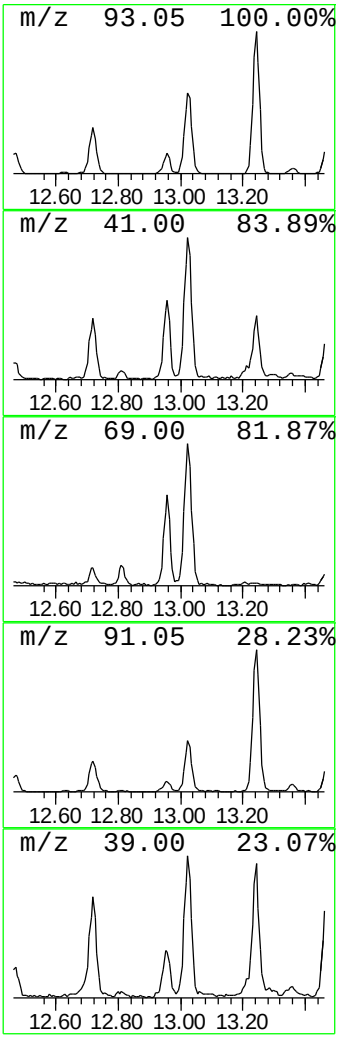
****

Peak Number 5 .beta.-Myrcene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.49 ug/L	156447	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Myrcene	136	C10H16	000123-35-3	91
2	.beta.-Myrcene	136	C10H16	000123-35-3	90
3	.beta.-Pinene	136	C10H16	000127-91-3	60
4	2-Pyridinemethanamine, N-methyl-	122	C7H10N2	021035-59-6	49
5	.beta.-Pinene	136	C10H16	000127-91-3	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121719\
Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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

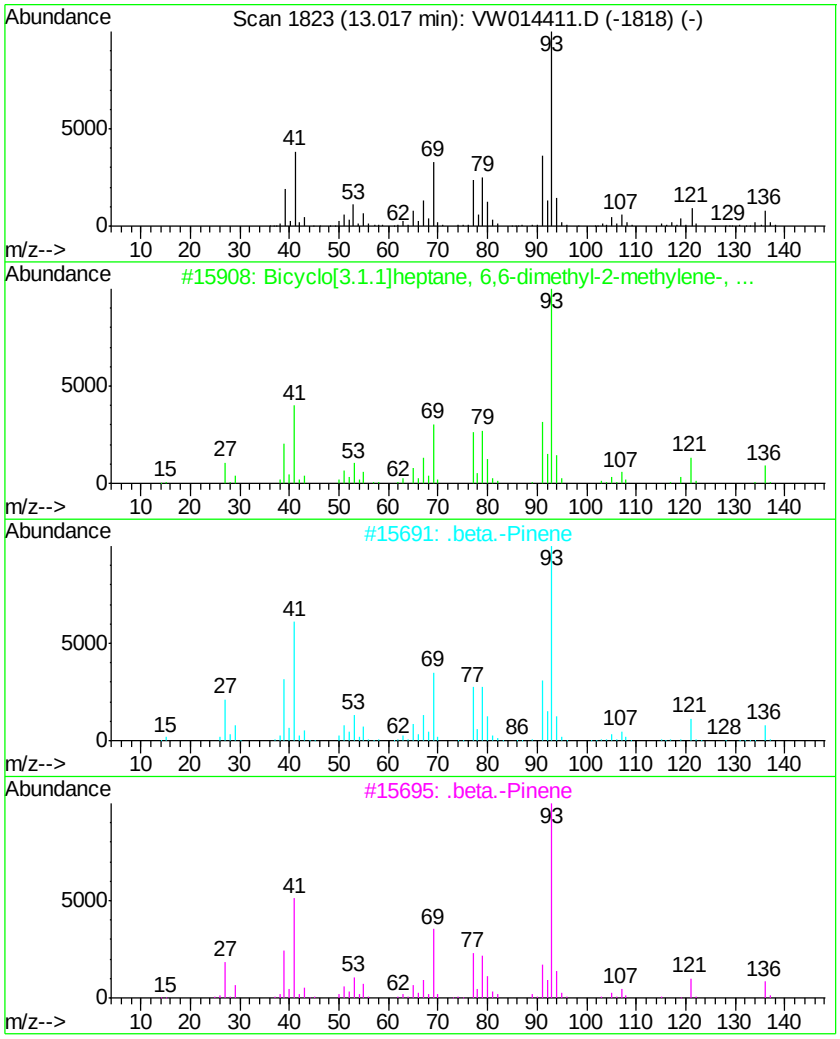
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

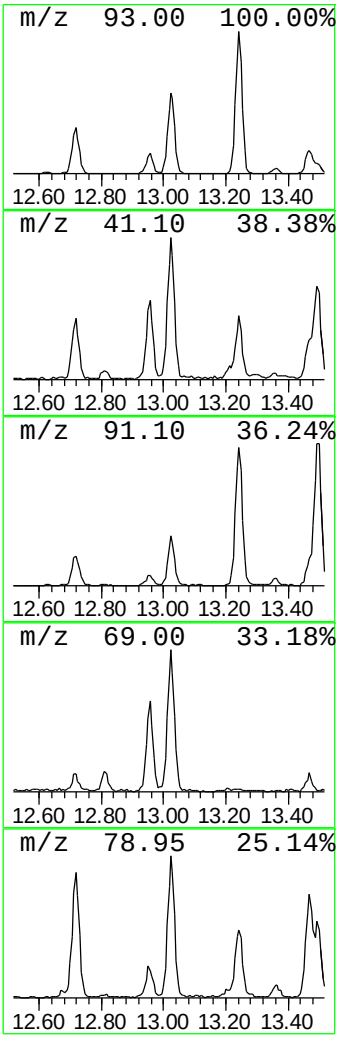
****

Peak Number 6 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	6.65 ug/L	417870	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	96
3	.beta.-Pinene	136	C10H16	000127-91-3	95
4	.alpha.-Pinene	136	C10H16	000080-56-8	94
5	.beta.-Pinene	136	C10H16	000127-91-3	93





Library Search Compound Report

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Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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

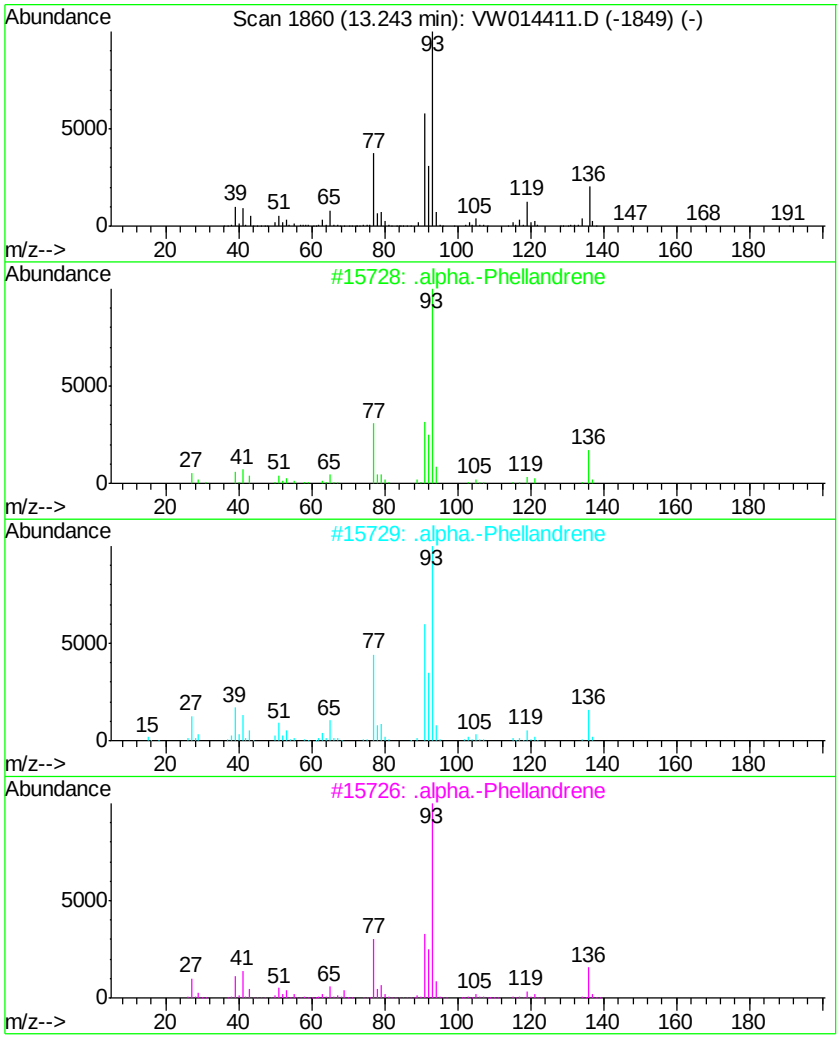
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

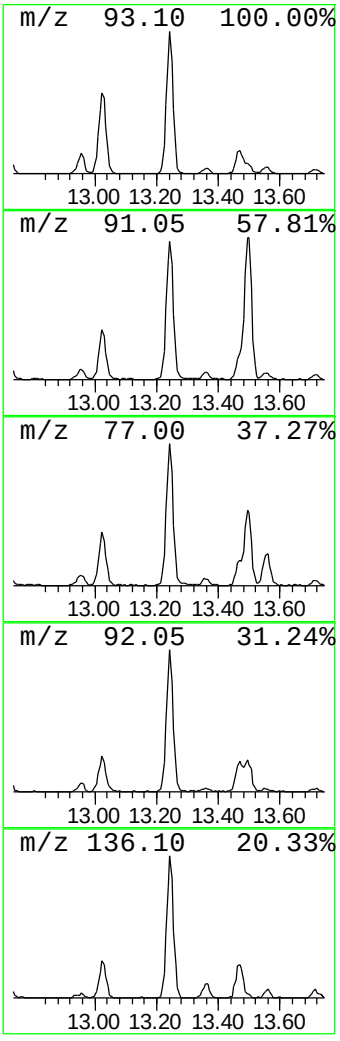
****

Peak Number 7 .alpha.-Phellandrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	9.88 ug/L	620568	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Phellandrene	136	C10H16	000099-83-2	93
2	.alpha.-Phellandrene	136	C10H16	000099-83-2	91
3	.alpha.-Phellandrene	136	C10H16	000099-83-2	90
4	.alpha.-Phellandrene	136	C10H16	000099-83-2	83
5	3-Carene	136	C10H16	013466-78-9	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121719\
Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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

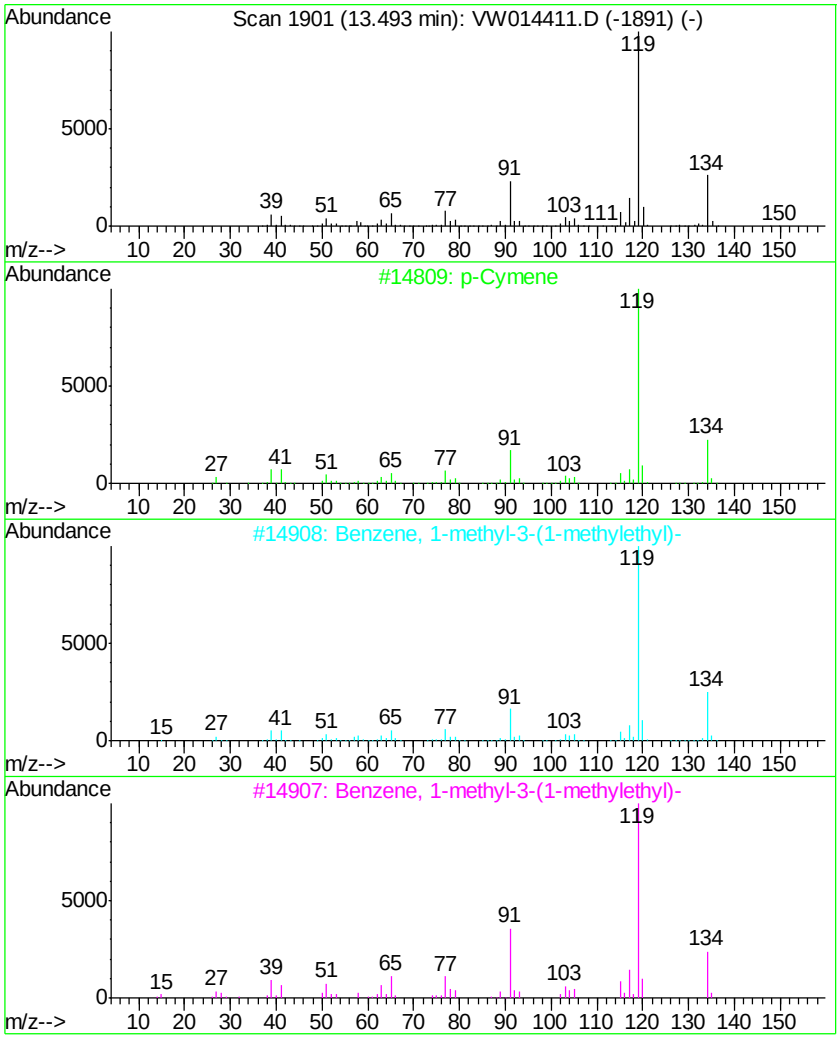
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

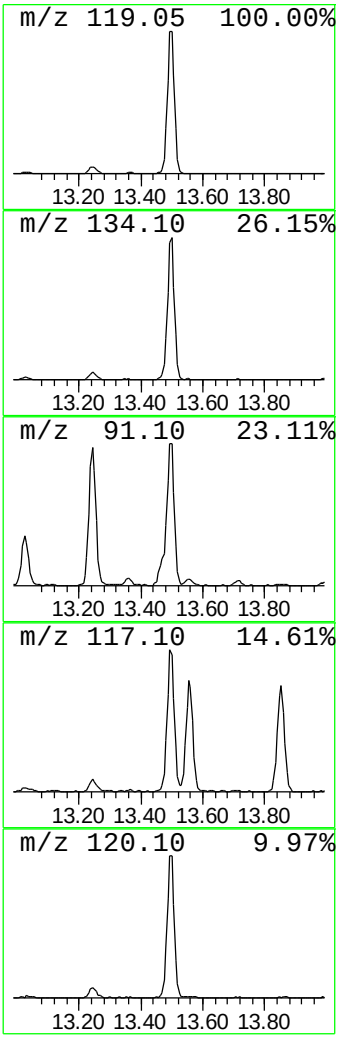
****

Peak Number 8 Benzene, 1-methyl-3-(1-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	21.52 ug/L	1351970	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121719\
Data File : VW014411.D
Acq On : 18 Dec 2019 00:01
Operator : SY/VA
Sample : K6279-06
Misc : 4.51G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFEX8

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
Dimethyl sulfide	4.20	3.2	ug/L	264720	1	8.84	2039770	25.0
.beta.-Myrcene	12.96	2.5	ug/L	156447	3	13.55	1570910	25.0
Bicyclo[3.1.1]hep...	13.02	6.7	ug/L	417870	3	13.55	1570910	25.0
.alpha.-Phellandrene	13.24	9.9	ug/L	620568	3	13.55	1570910	25.0
Benzene, 1-methyl...	13.49	21.5	ug/L	1351970	3	13.55	1570910	25.0