LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
Data File : VW018164.D
Acq On : 16 Feb 2021 15:51
Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGX2

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\SOM2WLM012921S.M
Title : VOC Analysis

Signal : TIC: VW018164.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	69	74	89	rVB	52388	105290	10.36%	1.258%
2	2.891	156	162	179	rVB	39701	105537	10.38%	1.261%
3	3.306	223	230	238	rVB2	4137	9204	0.91%	0.110%
4	3.385	238	243	251	rVB3	1232	3137	0.31%	0.037%
5	3.531	260	267	272	rBV2	4385	10918	1.07%	0.130%
6	3.861	318	321	322	rBV	173	188	0.02%	0.002%
7	3.885	323	325	328	rVB2	142	120	0.01%	0.001%
8	4.025	336	348	360	rBV	101460	329073	32.38%	3.932%
9	4.214	370	379	400	rVB2	47022	140994	13.87%	1.685%
10	4.592	438	441	442	rBV	188	189	0.02%	0.002%
11	4.610	442	444	445	rVV	197	127	0.01%	0.002%
12	4.690	450	457	460	rBV2	435	860	0.08%	0.010%
13	4.921	482	495	510	rBV2	6470	24477	2.41%	0.292%
14	5.232	545	546	549	rVB2	168	137	0.01%	0.002%
15	5.257	549	550	553	rBV	168	162	0.02%	0.002%
16	5.348	563	565	570	rBV2	129	202	0.02%	0.002%
17	5.513	590	592	595	rBV2	153	166	0.02%	0.002%
18	5.775	633	635	637	rBV3	265	327	0.03%	0.004%
19	5.836	643	645	648	rBV	121	112	0.01%	0.001%
20	5.940	654	662	671	rBV5	2197	5733	0.56%	0.069%
21	6.128	692	693	696	rBV2	118	147	0.01%	0.002%
22	6.196	699	704	707	rBV3	109	209	0.02%	0.002%
23	6.275	715	717	720	rVB2	137	149	0.01%	0.002%
24	6.628	774	775	780	rBV2	159	237	0.02%	0.003%
25	6.891	815	818	822	rBV2	182	284	0.03%	0.003%
26	6.994	833	835	836	rBV	235	107	0.01%	0.001%
27	7.006	836	837	840	rBV	197	141	0.01%	0.002%
28	7.073	840	848	863	rBV	23396	70865	6.97%	0.847%
29	7.281	880	882	883	rVB	207	130	0.01%	0.002%
30	7.299	883	885	886	rBV	273	142	0.01%	0.002%
31	7.311	886	887	889	rBV	222	183	0.02%	0.002%
32	7.415	902	904	905	rBV2	243	125	0.01%	0.001%
33	7.433	905	907	909	rVB2	263	207	0.02%	0.002%
34	7.500	914	918	919	rBV3	217	258	0.03%	0.003%
35	7.647	932	942	956	rVB	189376	461753	45.43%	5.517%
36	7.848	974	975	980	rVB	210	227	0.02%	0.003%

LSC Area Percent Report

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Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGX2

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\SOM2WLM012921S.M
Title : VOC Analysis

37	7.951	988	992	996	rVB3	193	318	0.03%	0.004%
38	8.037	1005	1006	1008	rVB	201	129	0.01%	0.002%
39	8.146	1023	1024	1027	rBV	172	138	0.01%	0.002%
40	8.274	1035	1045	1062	rBV2	350319	1016339	100.00%	12.144%
41	8.555	1086	1091	1098	rBV3	1265	2729	0.27%	0.033%
42	8.628	1101	1103	1107	rVB	244	275	0.03%	0.003%
43	8.695	1107	1114	1115	rBV3	695	797	0.08%	0.010%
44	8.841	1128	1138	1158	rVV	462887	909742	89.51%	10.870%
45	9.079	1170	1177	1182	rBV4	1096	1899	0.19%	0.023%
46	9.122	1182	1184	1185	rVB	325	174	0.02%	0.002%
47	9.274	1201	1209	1226	rBV2	286255	605953	59.62%	7.240%
48	9.591	1254	1261	1272	rBV	33363	66919	6.58%	0.800%
49	10.036	1326	1334	1343	rVV	112393	205551	20.22%	2.456%
50	10.134	1345	1350	1356	rVB4	1428	2620	0.26%	0.031%
51	10.213	1359	1363	1364	rBV	210	168	0.02%	0.002%
52	10.323	1371	1381	1392	rBV	496305	862698	84.88%	10.308%
53	10.420	1395	1397	1399	rVV	412	294	0.03%	0.004%
54	10.500	1408	1410	1411	rBV	122	107	0.01%	0.001%
55	10.579	1416	1423	1435	rVV	67218	118015	11.61%	1.410%
56	10.701	1439	1443	1450	rBV2	1743	2931	0.29%	0.035%
57	10.847	1466	1467	1470	rBV2	205	206	0.02%	0.002%
58	10.926	1473	1480	1492	rBV	90719	158269	15.57%	1.891%
59	11.024	1492	1496	1500	rVB5	1046	1625	0.16%	0.019%
60	11.079	1500	1505	1510	rBV5	1712	3016	0.30%	0.036%
61	11.195	1519	1524	1526	rVB2	210	276	0.03%	0.003%
62	11.390	1554	1556	1558	rBV2	198	199	0.02%	0.002%
63	11.536	1578	1580	1582	rBV2	93	115	0.01%	0.001%
64	11.628	1588	1595	1606	rVV	572706	957717	94.23%	11.444%
65	11.731	1606	1612	1619	rVB	23570	39891	3.92%	0.477%
66	11.780	1619	1620	1622	rBV2	158	168	0.02%	0.002%
67	11.841	1625	1630	1631	rBV3	494	626	0.06%	0.007%
68	11.932	1643	1645	1649	rBV	148	189	0.02%	0.002%
69	12.024	1657	1660	1661	rBV	130	108	0.01%	0.001%
70	12.109	1670	1674	1676	rVB2	94	128	0.01%	0.002%
71	12.158	1680	1682	1683	rVV2	148	119	0.01%	0.001%
72	12.170	1683	1684	1690	rVV3	301	360	0.04%	0.004%
73	12.237	1690	1695	1701	rVV2	1939	3101	0.31%	0.037%
74	12.329	1706	1710	1713	rVB4	572	986	0.10%	0.012%
75	12.390	1717	1720	1723	rBV	199	297	0.03%	0.004%
76	12.469	1726	1733	1741	rBV	22843	36778	3.62%	0.439%

LSC Area Percent Report

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Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGX2

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\SOM2WLM012921S.M
Title : VOC Analysis

77	12.542	1744	1745	1747	rBV	158	128	0.01%	0.002%
78	12.603	1748	1755	1761	rVB	9973	16684	1.64%	0.199%
79	12.694	1761	1770	1779	rBV	165696	293759	28.90%	3.510%
80	12.883	1796	1801	1805	rBV3	256	527	0.05%	0.006%
81	12.957	1805	1813	1818	rBV	23239	42994	4.23%	0.514%
82	13.024	1818	1824	1831	rVB	108074	178536	17.57%	2.133%
83	13.103	1835	1837	1838	rBV	328	264	0.03%	0.003%
84	13.152	1840	1845	1849	rBV4	2393	3570	0.35%	0.043%
85	13.213	1849	1855	1863	rVV2	29017	47700	4.69%	0.570%
86	13.286	1863	1867	1874	rVB4	6077	11382	1.12%	0.136%
87	13.469	1891	1897	1903	rBV2	34673	58389	5.75%	0.698%
88	13.554	1903	1911	1920	rVB	498819	815393	80.23%	9.743%
89	13.853	1953	1960	1967	rBV	356810	572751	56.35%	6.844%
90	13.999	1979	1984	1989	rBV6	4010	8981	0.88%	0.107%
91	14.066	1992	1995	2003	rVB3	6853	12028	1.18%	0.144%
92	14.194	2012	2016	2021	rBV3	2728	5369	0.53%	0.064%
93	14.523	2063	2070	2076	rVB6	1070	2858	0.28%	0.034%
94	14.676	2093	2095	2096	rBV2	331	224	0.02%	0.003%
95	14.926	2134	2136	2138	rVB2	520	294	0.03%	0.004%
96	15.060	2156	2158	2160	rBV2	1073	997	0.10%	0.012%
97	15.407	2211	2215	2218	rVB3	1336	2163	0.21%	0.026%
98	15.493	2223	2229	2234	rVV	9690	17416	1.71%	0.208%
99	15.840	2284	2286	2289	rBV2	467	541	0.05%	0.006%
100	16.035	2316	2318	2324	rVB4	1654	1923	0.19%	0.023%

Sum of corrected areas: 8368958

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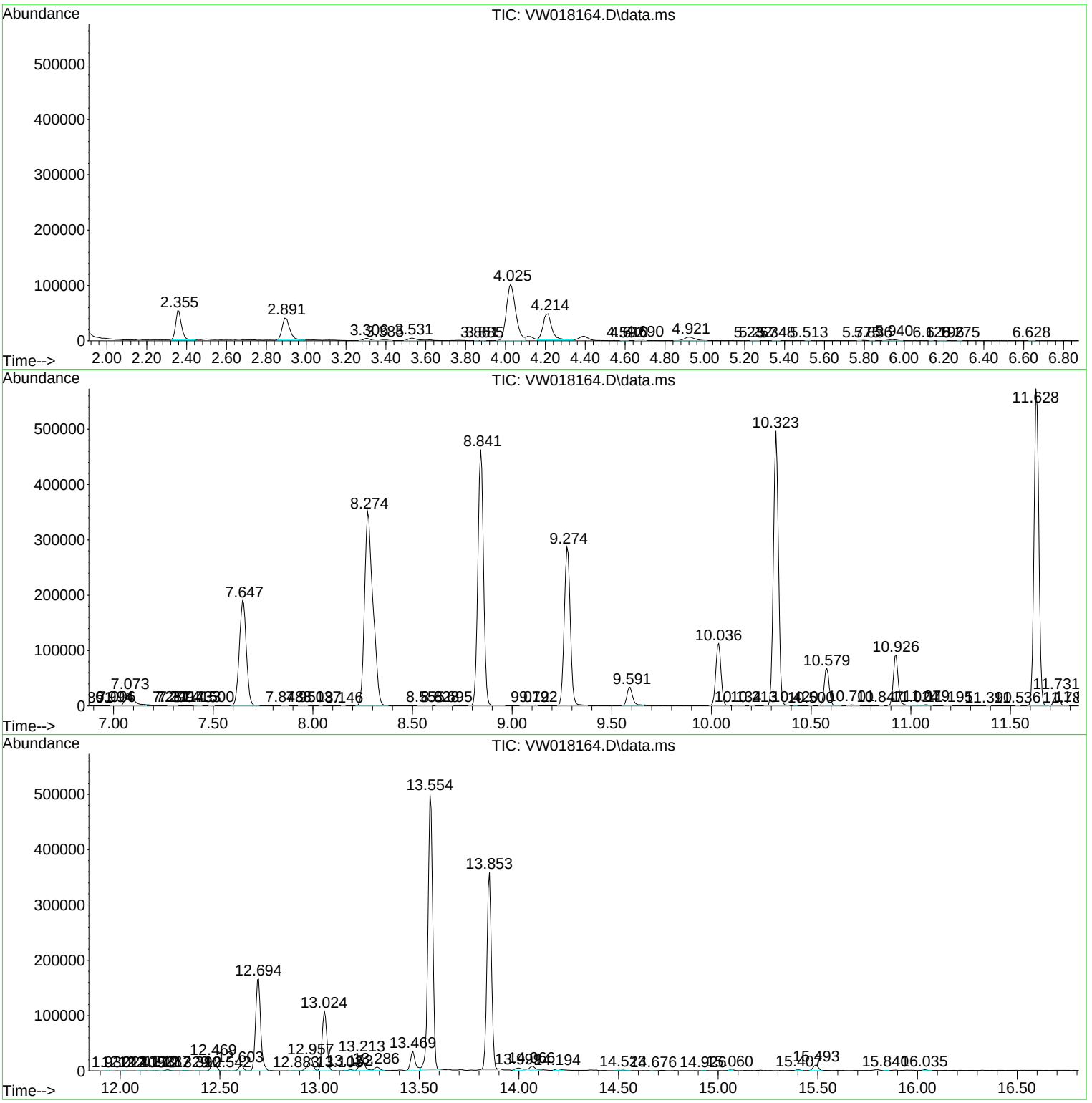
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
Data File : VW018164.D
Acq On : 16 Feb 2021 15:51
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Instrument :
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ClientSampleId :
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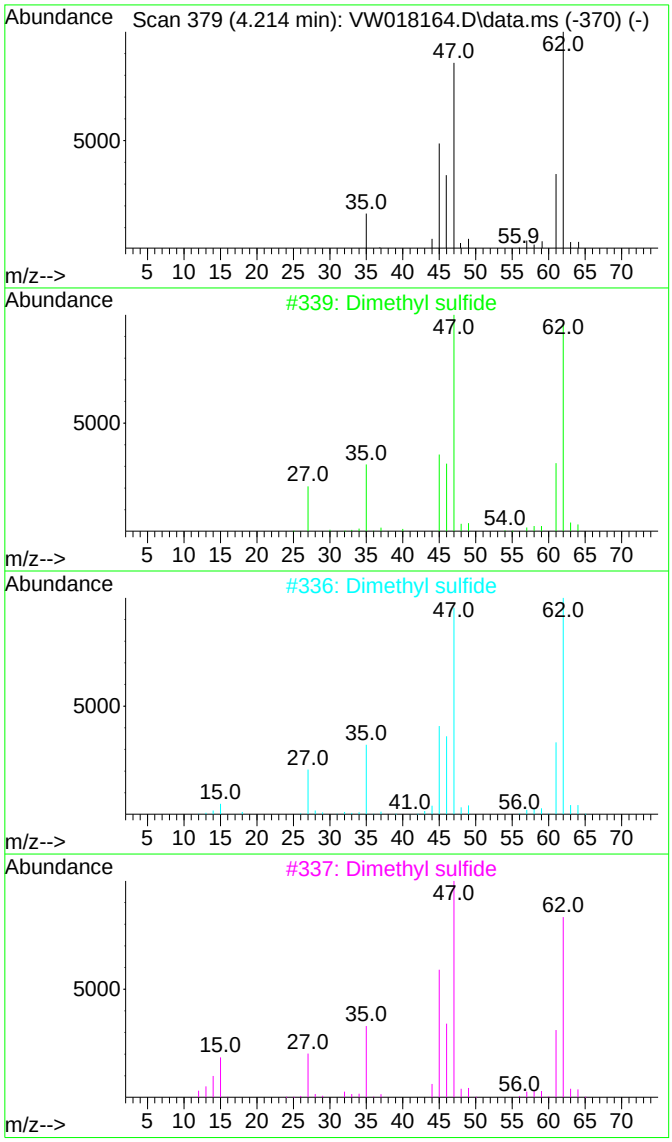
Quant Title : VOC Analysis

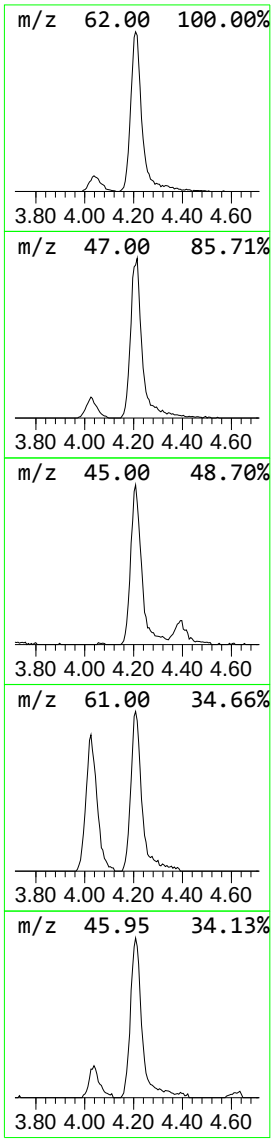
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Dimethyl sulfide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.214	3.87 ug/L	140994	1,4-Difluorobenzene	8.841

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	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90
5	Ethanethiol	62	C2H6S	000075-08-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
Data File : VW018164.D
Acq On : 16 Feb 2021 15:51
Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGX2

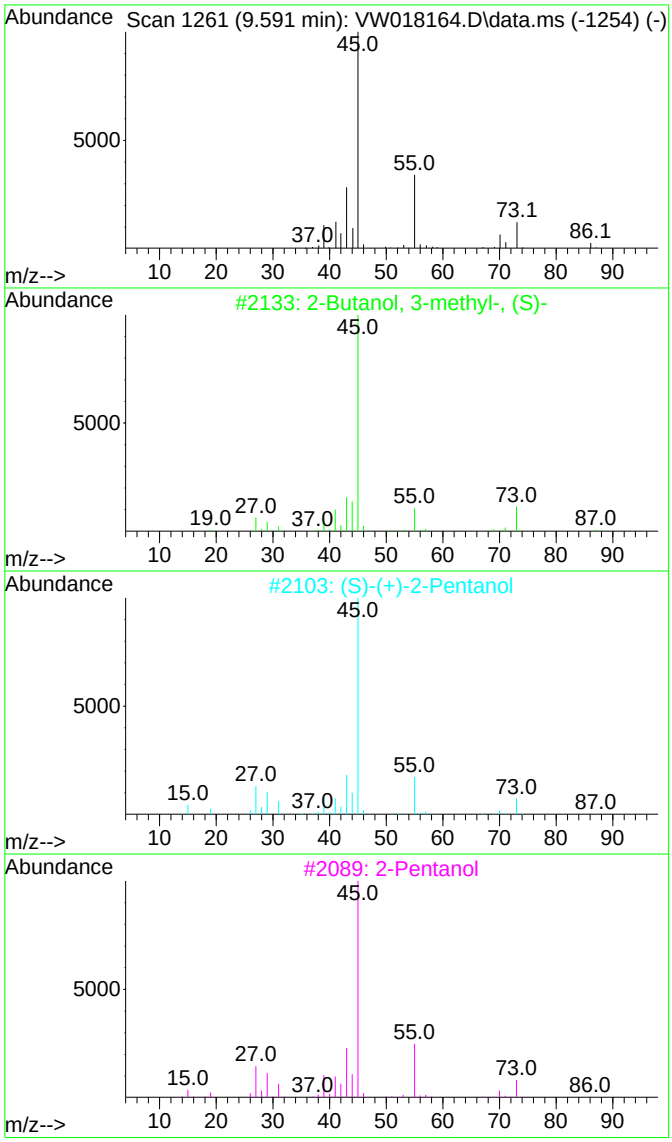
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

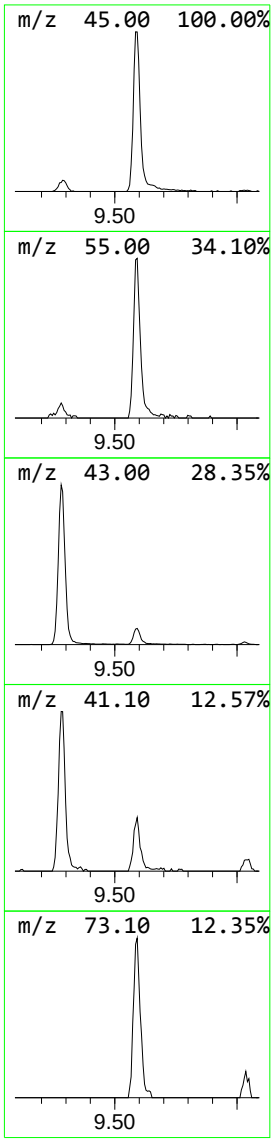
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Butanol, 3-methyl-, (S)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.591	1.84 ug/L	66919	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3-methyl-, (S)-	88	C5H12O	001517-66-4	78
2	(S)-(+)-2-Pentanol	88	C5H12O	026184-62-3	78
3	2-Pentanol	88	C5H12O	006032-29-7	64
4	2-Pentanol	88	C5H12O	006032-29-7	64
5	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
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Operator : SY/VA
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX2

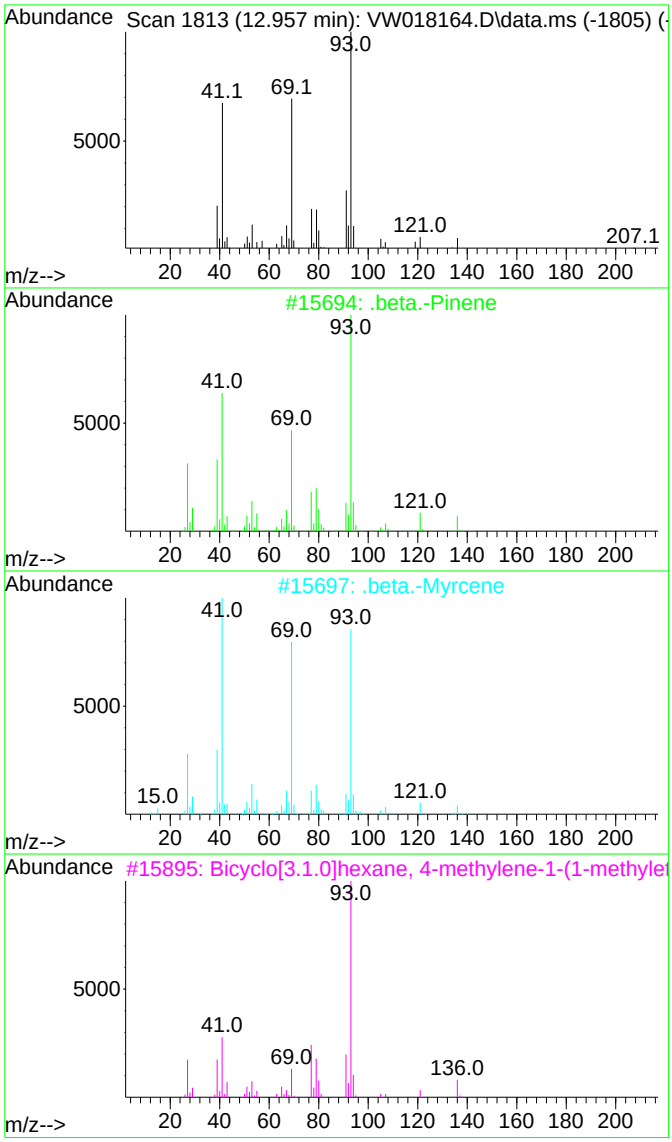
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

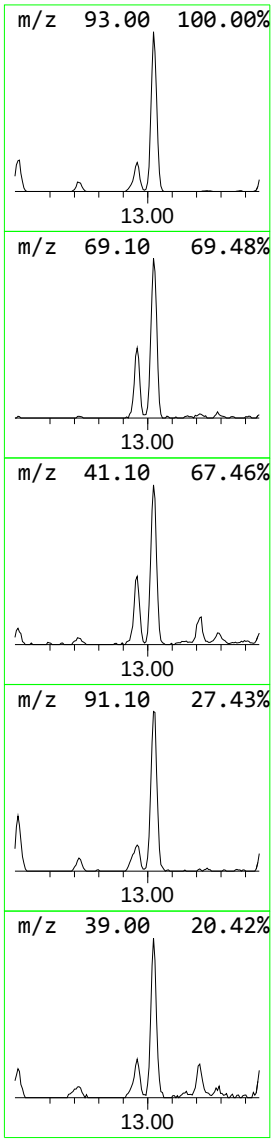
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 .beta.-Pinene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.957	1.32 ug/L	42994	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	91
2	.beta.-Myrcene	136	C10H16	000123-35-3	91
3	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	86
4	.beta.-Phellandrene	136	C10H16	000555-10-2	78
5	.beta.-Pinene	136	C10H16	000127-91-3	70





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Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX2

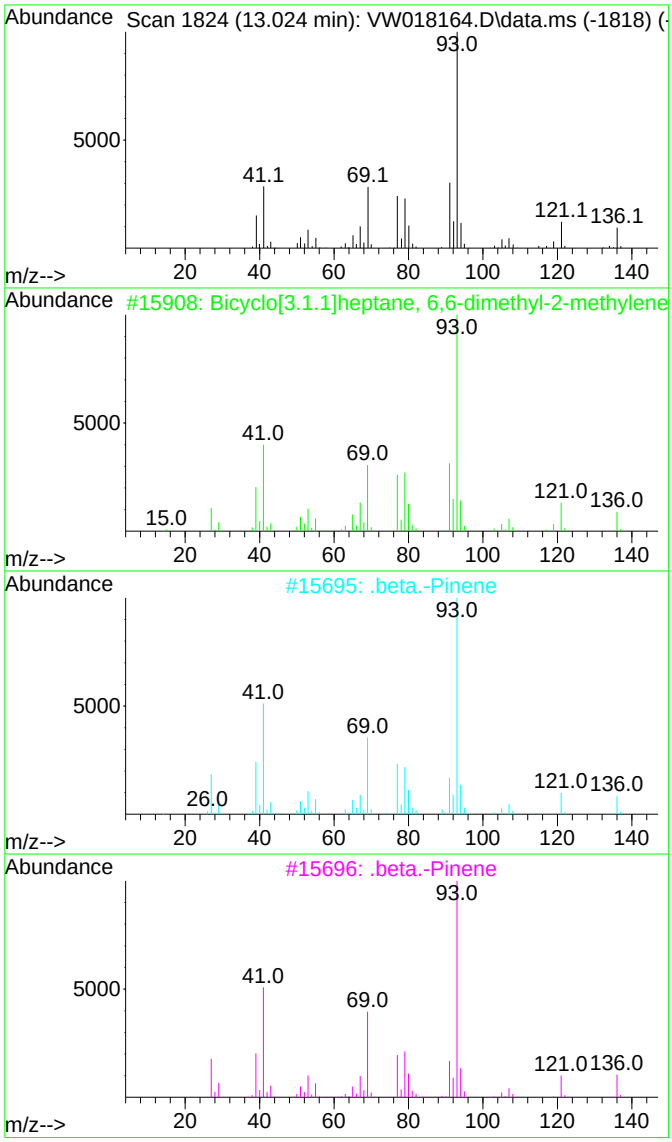
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

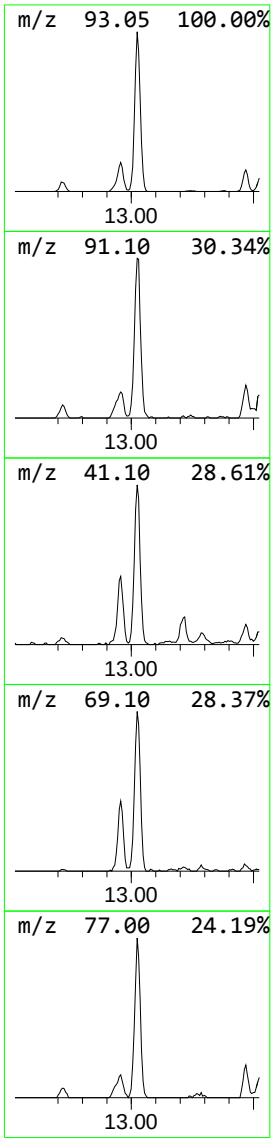
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.024	5.47 ug/L	178536	1,4-Dichlorobenzene-d4	13.560

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	95
3	.beta.-Pinene	136	C10H16	000127-91-3	94
4	.beta.-Pinene	136	C10H16	000127-91-3	94
5	.alpha.-Pinene	136	C10H16	000080-56-8	93





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Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

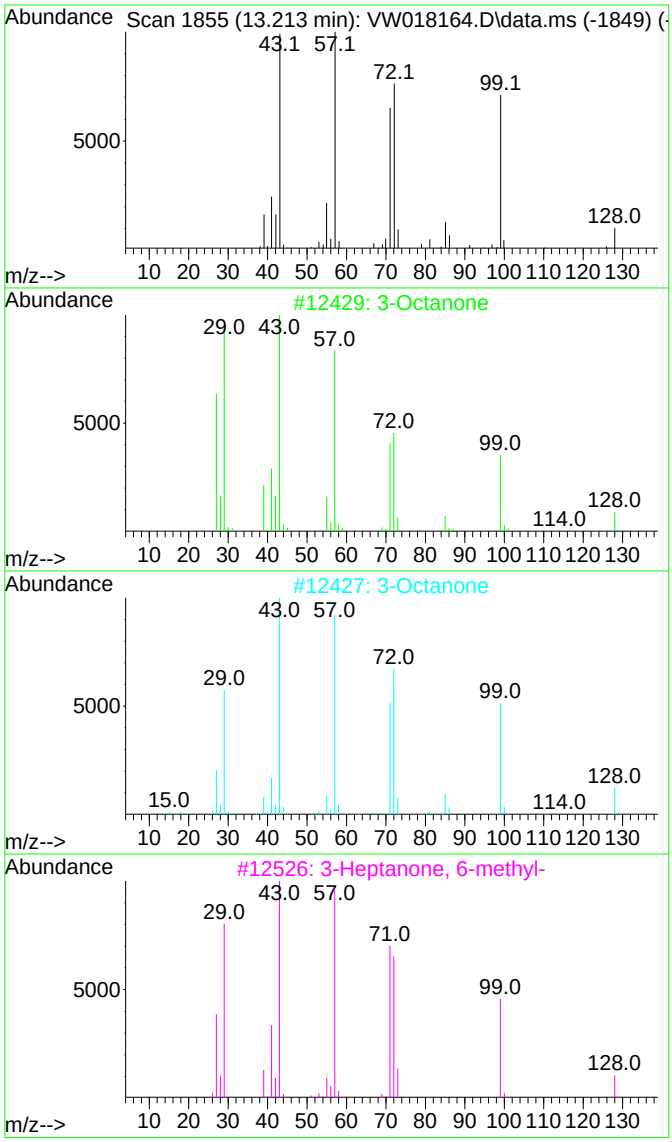
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

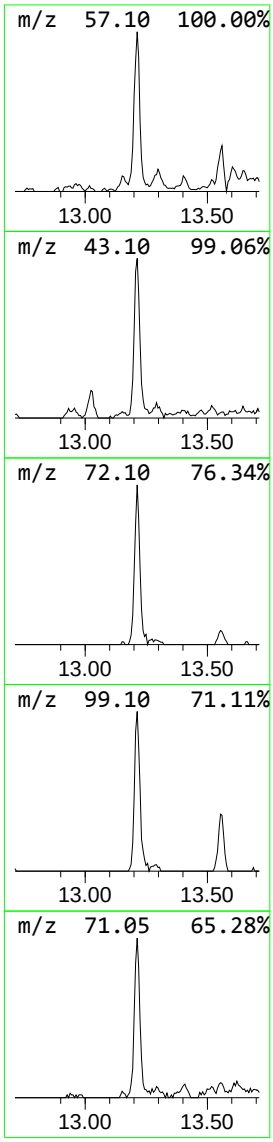
****

Peak Number 6 3-Octanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.213	1.46 ug/L	47700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	91
2	3-Octanone	128	C8H16O	000106-68-3	91
3	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	90
4	3-Octanone	128	C8H16O	000106-68-3	52
5	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	50





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Data File : VW018164.D
Acq On : 16 Feb 2021 15:51
Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

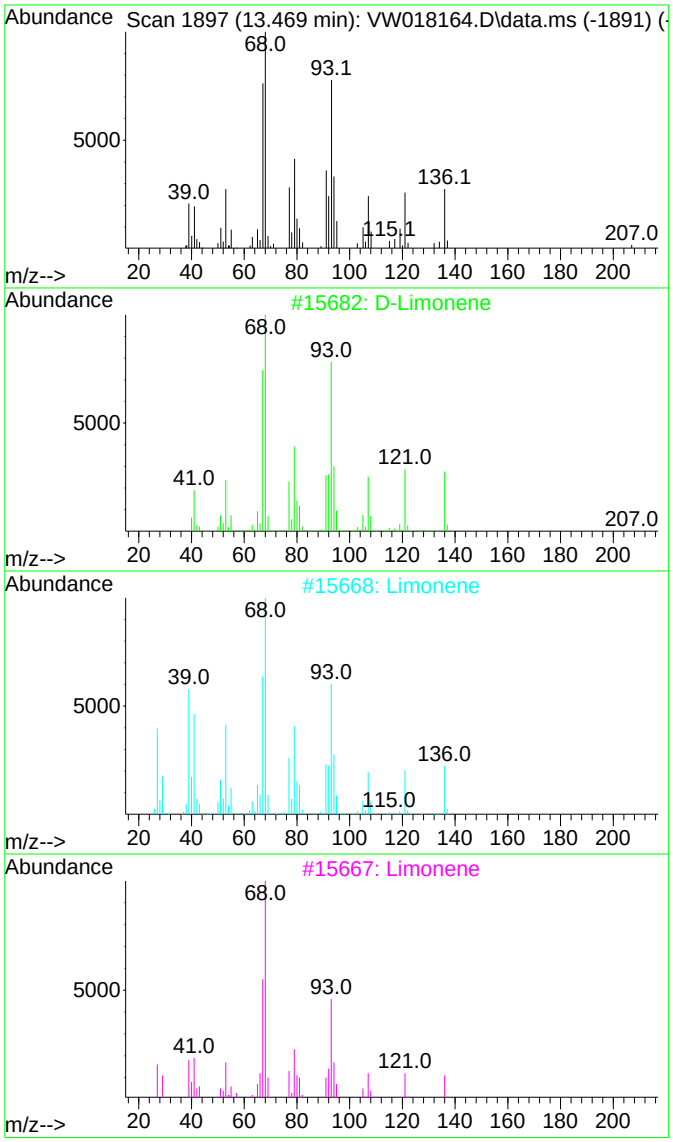
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

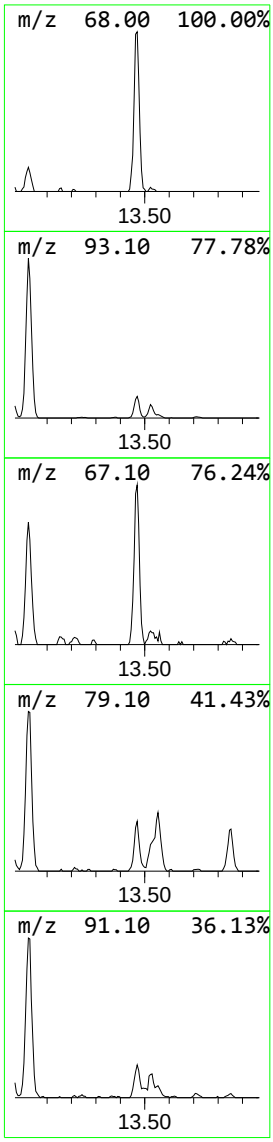
****

Peak Number 7 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	1.79 ug/L	58389	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	Limonene	136	C10H16	000138-86-3	94
3	Limonene	136	C10H16	000138-86-3	94
4	D-Limonene	136	C10H16	005989-27-5	89
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
Data File : VW018164.D
Acq On : 16 Feb 2021 15:51
Operator : SY/VA
Sample : M1414-06
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.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	4.214	3.9	ug/L	140994	1	8.841	909742	25.0
2-Butanol, 3-me...	9.591	1.8	ug/L	66919	1	8.841	909742	25.0
.beta.-Pinene	12.957	1.3	ug/L	42994	3	13.560	815393	25.0
Bicyclo[3.1.1]h...	13.024	5.5	ug/L	178536	3	13.560	815393	25.0
3-Octanone	13.213	1.5	ug/L	47700	3	13.560	815393	25.0
D-Limonene	13.469	1.8	ug/L	58389	3	13.560	815393	25.0