LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

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\SOM2WLM012720S.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	38	42	45	rBV3	3685	4636	0.25%	0.033%
2	2.263	45	59	60	rBV9	9713	31958	1.75%	0.228%
3	2.349	68	73	82	rVB	172087	287533	15.74%	2.051%
4	2.885	155	161	173	rVB	123745	268694	14.71%	1.917%
5	3.342	234	236	239	rVB	578	669	0.04%	0.005%
6	3.538	261	268	273	rBV8	1280	3791	0.21%	0.027%
7	3.574	273	274	275	rVB	1373	503	0.03%	0.004%
8	3.635	282	284	287	rBV2	476	495	0.03%	0.004%
9	3.678	289	291	293	rBV3	910	601	0.03%	0.004%
10	4.013	332	346	359	rBV2	231464	627437	34.35%	4.476%
11	4.123	359	364	371	rVB2	5593	12477	0.68%	0.089%
12	4.245	382	384	387	rVB2	829	872	0.05%	0.006%
13	4.275	387	389	390	rVV2	870	495	0.03%	0.004%
14	4.287	390	391	396	rVB3	590	791	0.04%	0.006%
15	4.348	399	401	402	rBV	644	548	0.03%	0.004%
16	4.391	402	408	411	rVV5	2069	4842	0.27%	0.035%
17	4.452	415	418	419	rVV3	613	628	0.03%	0.004%
18	4.489	422	424	426	rBV2	834	727	0.04%	0.005%
19	4.519	426	429	430	rVB2	739	734	0.04%	0.005%
20	4.556	433	435	438	rBV	503	548	0.03%	0.004%
21	4.586	438	440	442	rBV3	478	512	0.03%	0.004%
22	4.623	445	446	449	rVB3	678	639	0.03%	0.005%
23	4.653	449	451	455	rVB4	549	621	0.03%	0.004%
24	4.690	455	457	459	rBV2	618	621	0.03%	0.004%
25	4.909	481	493	504	rVV2	25086	82342	4.51%	0.587%
26	5.123	523	528	529	rBV4	596	1167	0.06%	0.008%
27	5.263	548	551	552	rBV2	958	665	0.04%	0.005%
28	5.342	562	564	569	rVB4	710	847	0.05%	0.006%
29	5.415	569	576	579	rBV4	680	1585	0.09%	0.011%
30	5.446	579	581	583	rVV	625	557	0.03%	0.004%
31	5.470	583	585	587	rVB2	604	523	0.03%	0.004%
32	5.653	610	615	616	rVV3	427	487	0.03%	0.003%
33	5.775	630	635	637	rBV4	984	1759	0.10%	0.013%
34	5.946	654	663	669	rBV6	3437	9963	0.55%	0.071%

LSC Area Percent Report

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Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

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\SOM2WLM012720S.M
Title : VOC Analysis

35	6.092	684	687	690	rVB2	454	556	0.03%	0.004%
36	6.232	709	710	713	rVB3	593	503	0.03%	0.004%
37	6.275	713	717	718	rBV3	664	755	0.04%	0.005%
38	6.372	729	733	736	rVB3	430	487	0.03%	0.003%
39	6.452	742	746	751	rVB2	761	1081	0.06%	0.008%
40	6.574	763	766	768	rVB2	615	532	0.03%	0.004%
41	6.744	792	794	799	rVB3	547	610	0.03%	0.004%
42	6.860	808	813	815	rBV4	697	1054	0.06%	0.008%
43	6.927	821	824	826	rBV2	469	619	0.03%	0.004%
44	7.074	839	848	852	rBV	47405	122954	6.73%	0.877%
45	7.134	853	858	871	rVB	82706	220452	12.07%	1.573%
46	7.445	908	909	912	rBV3	669	635	0.03%	0.005%
47	7.537	921	924	925	rBV2	832	975	0.05%	0.007%
48	7.647	931	942	955	rBV	304098	747062	40.90%	5.329%
49	7.756	958	960	963	rVB3	556	620	0.03%	0.004%
50	7.848	973	975	978	rBV3	637	662	0.04%	0.005%
51	7.903	983	984	987	rVB2	587	597	0.03%	0.004%
52	7.945	987	991	992	rBV3	1203	1467	0.08%	0.010%
53	8.073	1011	1012	1015	rVB3	773	507	0.03%	0.004%
54	8.140	1021	1023	1026	rVB2	768	661	0.04%	0.005%
55	8.183	1029	1030	1033	rVB3	829	800	0.04%	0.006%
56	8.275	1033	1045	1062	rBV2	627655	1826756	100.00%	13.031%
57	8.476	1074	1078	1081	rVB5	1519	2440	0.13%	0.017%
58	8.537	1084	1088	1089	rVV4	774	942	0.05%	0.007%
59	8.567	1091	1093	1095	rVB2	746	691	0.04%	0.005%
60	8.677	1107	1111	1112	rBV2	929	1048	0.06%	0.007%
61	8.841	1128	1138	1150	rBV	627076	1247627	68.30%	8.900%
62	9.073	1170	1176	1185	rVB8	3667	8700	0.48%	0.062%
63	9.183	1190	1194	1196	rBV2	764	907	0.05%	0.006%
64	9.274	1199	1209	1218	rBV	425654	866495	47.43%	6.181%
65	9.476	1240	1242	1243	rVB2	971	557	0.03%	0.004%
66	9.512	1246	1248	1251	rVB3	679	715	0.04%	0.005%
67	9.658	1270	1272	1273	rVB	1173	555	0.03%	0.004%
68	9.890	1307	1310	1312	rBV4	741	809	0.04%	0.006%
69	9.957	1318	1321	1322	rBV2	799	824	0.05%	0.006%
70	10.030	1326	1333	1345	rBV	207972	393224	21.53%	2.805%
71	10.213	1356	1363	1368	rBV4	5975	12788	0.70%	0.091%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

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\SOM2WLM012720S.M
Title : VOC Analysis

72	10.323	1373	1381	1388	rBV	837740	1475953	80.80%	10.528%
73	10.451	1400	1402	1405	rVB4	1556	1462	0.08%	0.010%
74	10.573	1416	1422	1436	rBV	136123	244177	13.37%	1.742%
75	10.707	1437	1444	1451	rVB2	53755	100580	5.51%	0.717%
76	10.866	1468	1470	1473	rVB4	1337	1069	0.06%	0.008%
77	10.920	1473	1479	1493	rBV	171578	314439	17.21%	2.243%
78	11.061	1496	1502	1515	rVV	64215	113245	6.20%	0.808%
79	11.170	1518	1520	1524	rBV4	2497	3429	0.19%	0.024%
80	11.250	1530	1533	1534	rBV3	2246	2697	0.15%	0.019%
81	11.298	1539	1541	1542	rVV2	2116	1577	0.09%	0.011%
82	11.439	1560	1564	1570	rVB	21442	36223	1.98%	0.258%
83	11.628	1588	1595	1609	rVB	874229	1501501	82.19%	10.711%
84	11.823	1624	1627	1628	rBV3	1789	2236	0.12%	0.016%
85	12.024	1658	1660	1663	rBV4	1935	1429	0.08%	0.010%
86	12.164	1681	1683	1688	rVB5	2633	3381	0.19%	0.024%
87	12.609	1750	1756	1763	rBV	56800	102096	5.59%	0.728%
88	12.688	1763	1769	1777	rVB	289650	480420	26.30%	3.427%
89	12.865	1789	1798	1799	rBV4	24779	60438	3.31%	0.431%
90	13.310	1860	1871	1884	rBV4	43393	185757	10.17%	1.325%
91	13.554	1905	1911	1924	rVB	801891	1327733	72.68%	9.471%
92	13.853	1953	1960	1973	rBV	687494	1165892	63.82%	8.317%
93	14.066	1991	1995	2003	rVB2	20225	36043	1.97%	0.257%
94	15.249	2188	2189	2190	rBV	2329	914	0.05%	0.007%
95	15.365	2204	2208	2215	rBV5	2848	7384	0.40%	0.053%
96	15.432	2215	2219	2224	rVB2	14639	24896	1.36%	0.178%
97	15.609	2246	2248	2249	rBV2	1996	1083	0.06%	0.008%
98	15.761	2271	2273	2274	rBV2	1603	1323	0.07%	0.009%
99	16.090	2325	2327	2329	rBV3	1347	911	0.05%	0.006%
100	16.572	2404	2406	2407	rBV2	1119	633	0.03%	0.005%

Sum of corrected areas: 14018855

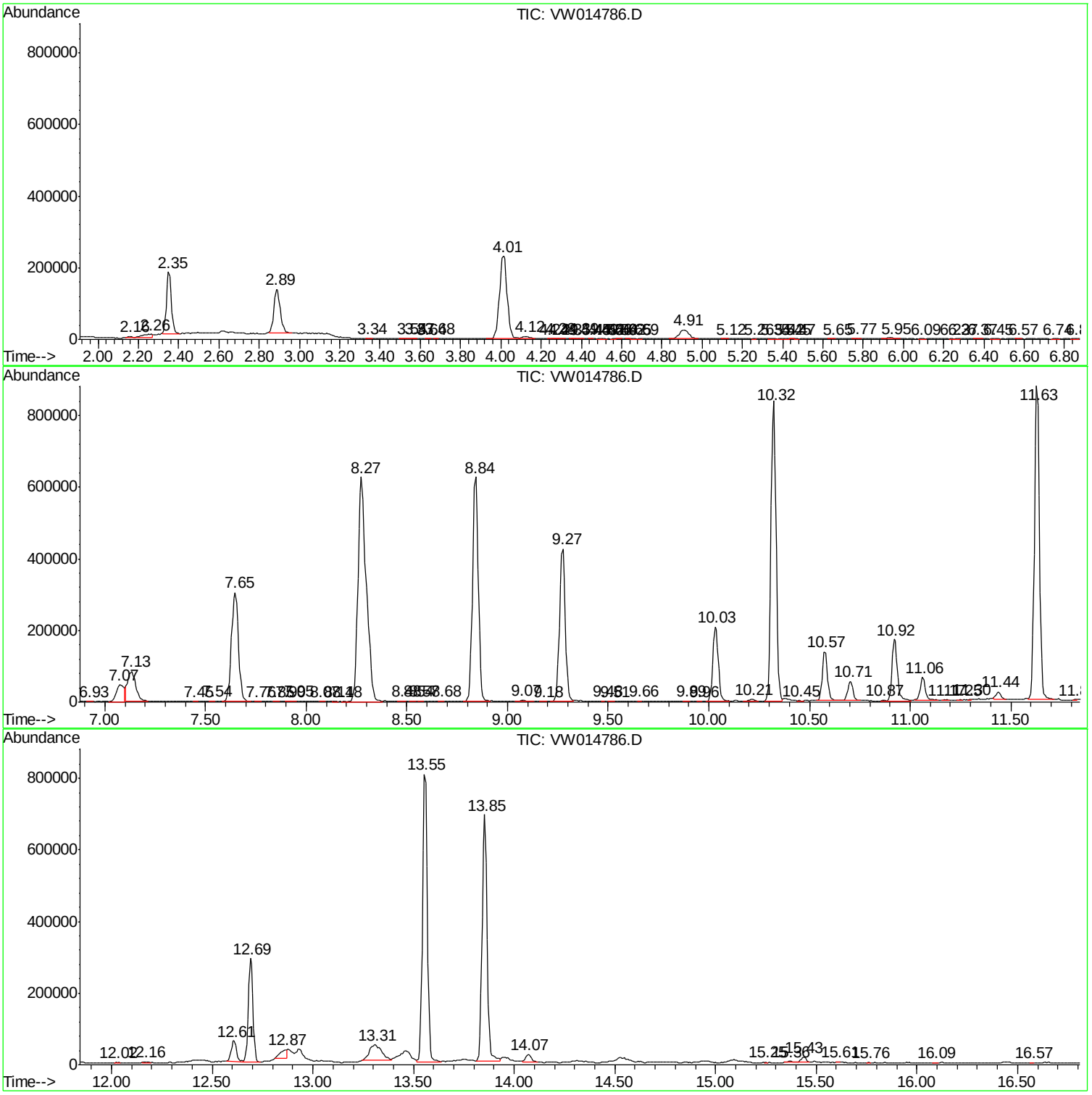
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.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\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

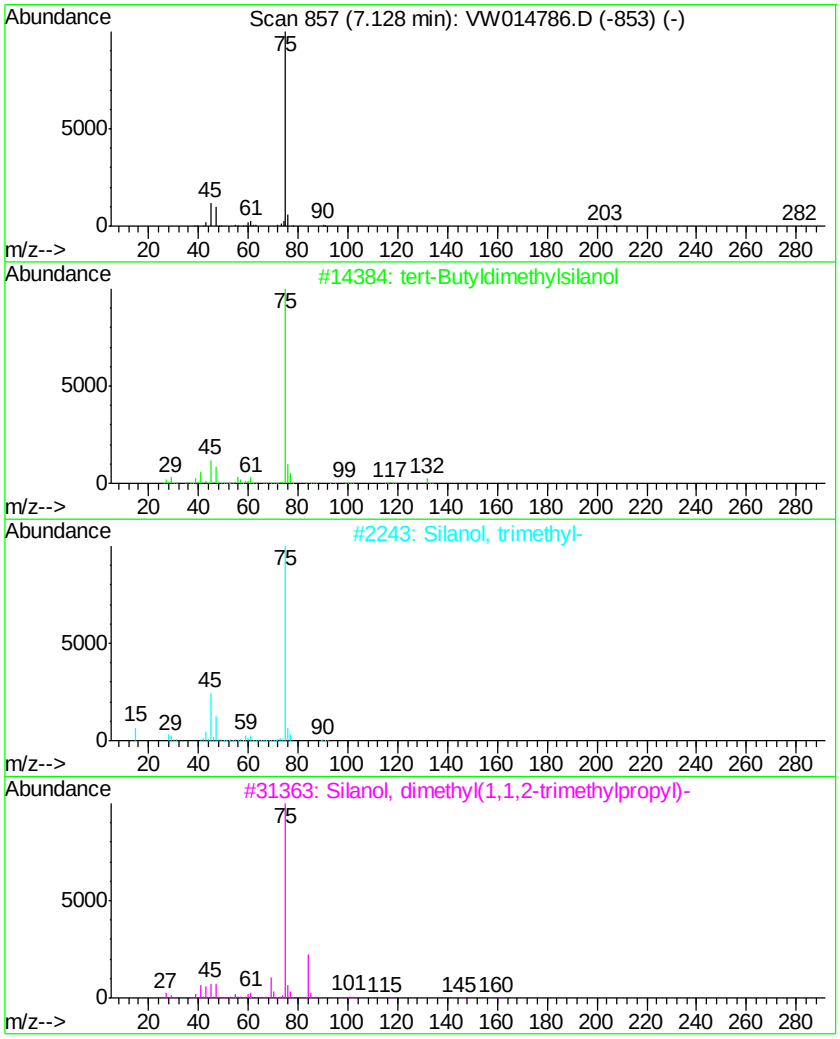
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

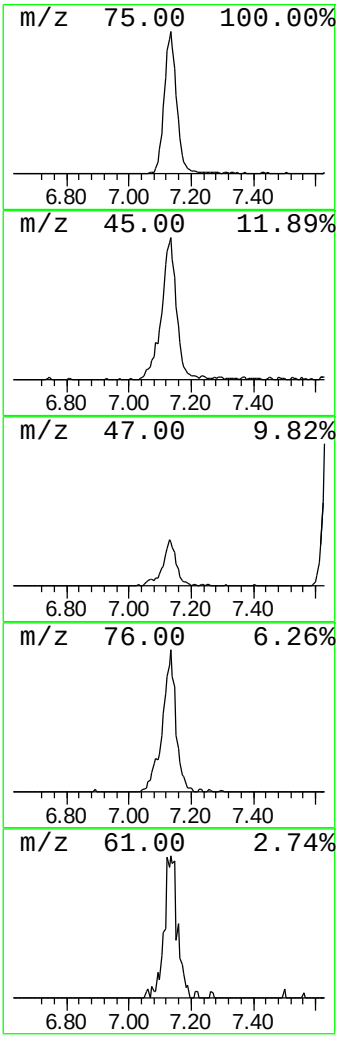
****

Peak Number 1 tert-Butyldimethylsilanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	4.42 ug/L	220452	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyldimethylsilanol	132	C6H16OSi	018173-64-3	83
2	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	74
3	Silanol, dimethyl(1,1,2-trimethy...	160	C8H20OSi	055644-10-5	43
4	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	16
5	Formamide, N-methylthio	75	C2H5NS	018952-41-5	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

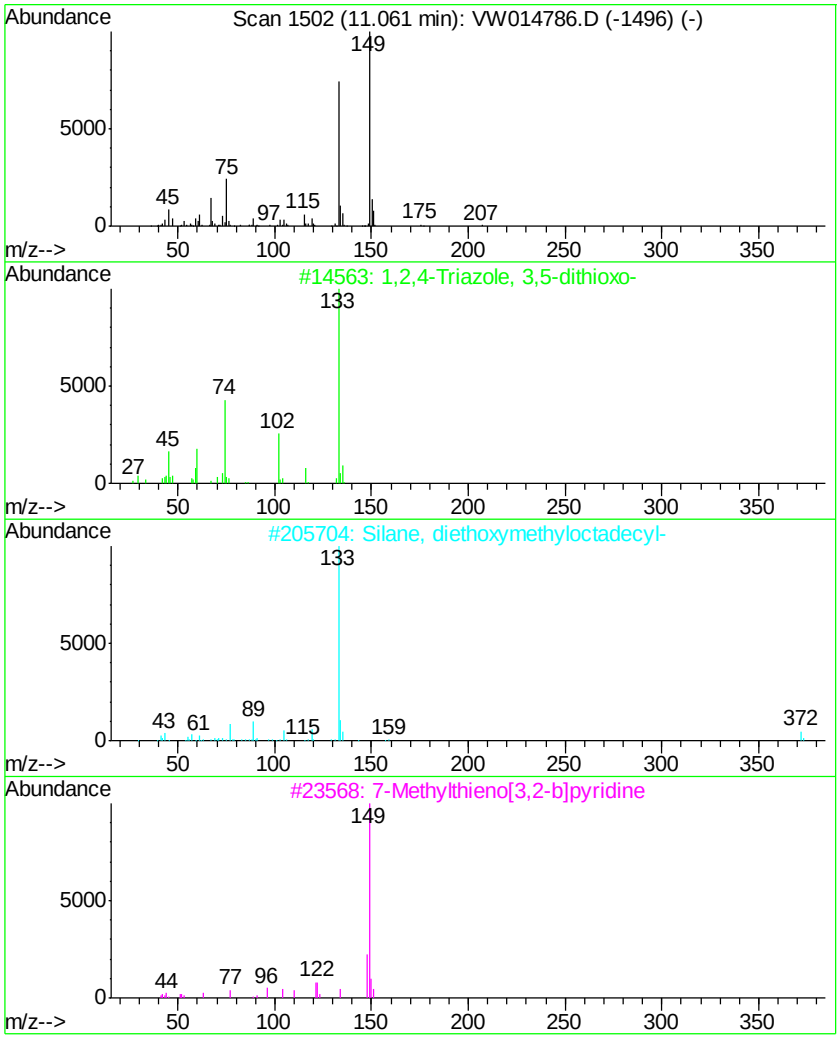
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

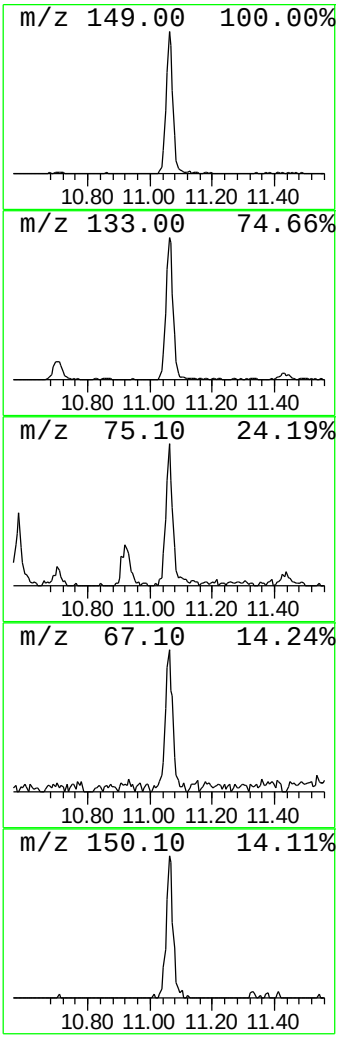
****

Peak Number 4 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	1.89 ug/L	113245	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Triazole, 3,5-dithioxo-	133	C2H3N3S2	005650-03-3	27
2	Silane, diethoxymethyloctadecyl-	386	C23H50O2Si	067859-75-0	27
3	7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	25
4	4-Ethylbenzoic acid, allyl ester	190	C12H14O2	1000293-31-7	25
5	(2-Methyl[1,3]dithian-2-yl)methanol	164	C6H12OS2	1000191-37-4	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

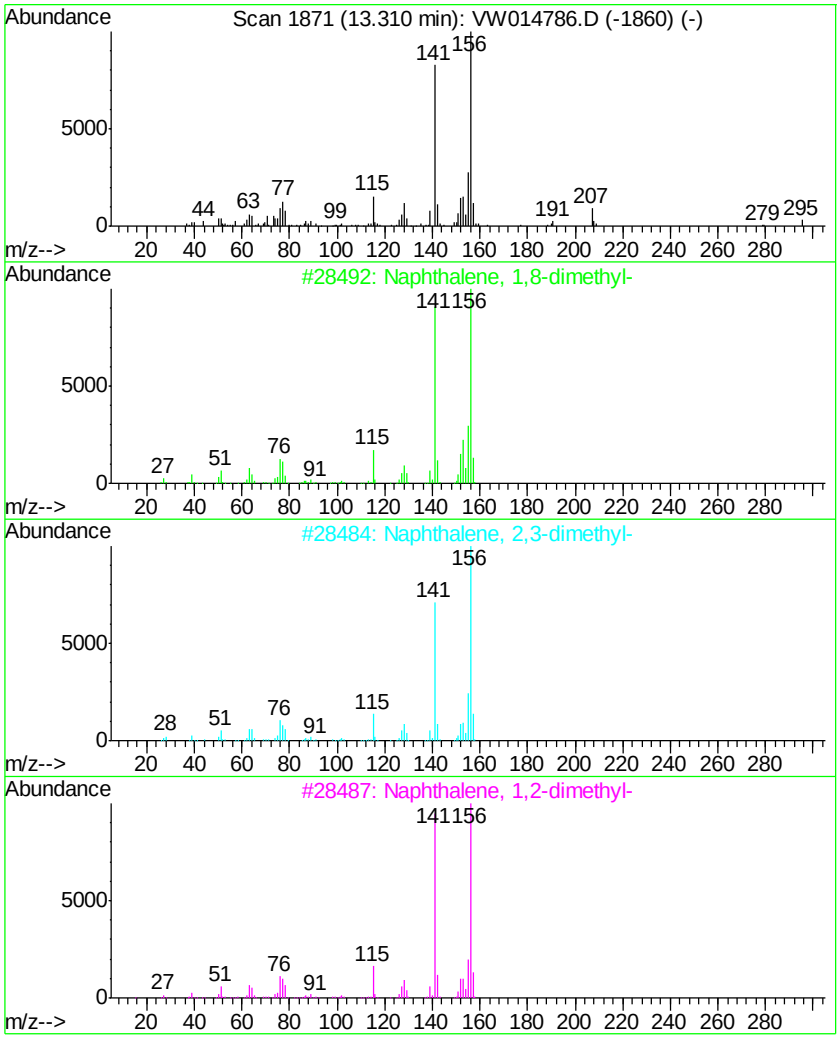
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

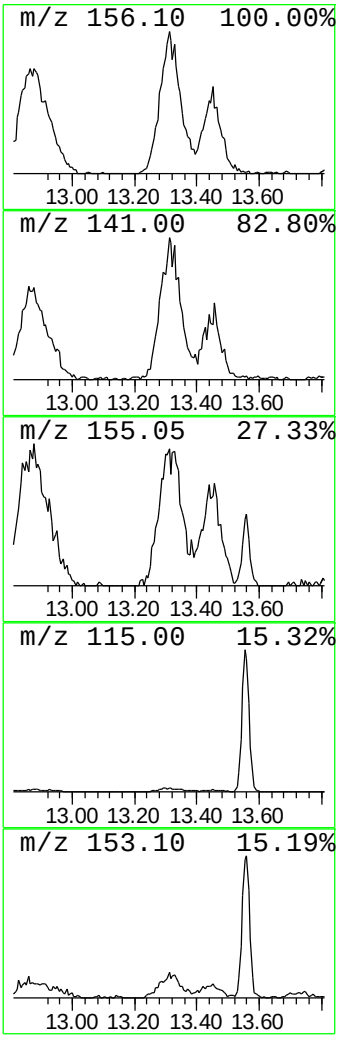
****

Peak Number 6 Naphthalene, 1,8-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	3.50 ug/L	185757	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012820\
Data File : VW014786.D
Acq On : 28 Jan 2020 14:28
Operator : SY/VA
Sample : L1271-13
Misc : 5.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT04

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.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
tert-Butyldimethy...	7.13	4.4	ug/L	220452	1	8.84	1247630	25.0
unknown-01	11.06	1.9	ug/L	113245	2	11.63	1501500	25.0
Naphthalene, 1,8-...	13.31	3.5	ug/L	185757	3	13.56	1327730	25.0