LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

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_V\METHOD\SOM2VLM042219S.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	1.309	63	68	78	rVB	124579	128033	6.34%	0.862%
2	1.560	140	146	159	rVB	108173	127325	6.30%	0.857%
3	2.116	310	319	329	rVB	271614	385388	19.07%	2.594%
4	2.319	371	382	394	rBV4	6223	15570	0.77%	0.105%
5	2.528	438	447	459	rVB2	20951	34397	1.70%	0.232%
6	2.608	470	472	475	rBV2	765	461	0.02%	0.003%
7	3.068	602	615	629	rBV5	7100	15306	0.76%	0.103%
8	3.158	640	643	644	rBV2	536	263	0.01%	0.002%
9	3.203	653	657	663	rBV4	616	582	0.03%	0.004%
10	3.341	695	700	703	rBV2	316	263	0.01%	0.002%
11	3.377	707	711	715	rBV2	685	510	0.03%	0.003%
12	3.518	752	755	758	rBV2	340	297	0.01%	0.002%
13	3.598	775	780	781	rBV	380	316	0.02%	0.002%
14	3.753	825	828	830	rBV	664	409	0.02%	0.003%
15	3.836	850	854	855	rBV2	645	405	0.02%	0.003%
16	3.926	871	882	914	rBV2	40155	114133	5.65%	0.768%
17	4.206	964	969	971	rBV2	642	522	0.03%	0.004%
18	4.290	993	995	1000	rVB2	860	522	0.03%	0.004%
19	4.315	1000	1003	1008	rBV2	616	425	0.02%	0.003%
20	4.393	1008	1027	1053	rBV2	215213	539058	26.67%	3.629%
21	4.679	1111	1116	1119	rBV4	731	769	0.04%	0.005%
22	4.775	1142	1146	1148	rBV2	461	379	0.02%	0.003%
23	4.791	1148	1151	1154	rVB3	403	277	0.01%	0.002%
24	4.807	1154	1156	1159	rBV4	588	323	0.02%	0.002%
25	4.839	1162	1166	1167	rBV	506	342	0.02%	0.002%
26	4.930	1187	1194	1201	rVB3	533	620	0.03%	0.004%
27	4.991	1211	1213	1216	rBV	448	349	0.02%	0.002%
28	5.087	1222	1243	1269	rBV3	477281	1191083	58.94%	8.018%
29	5.331	1316	1319	1323	rVB2	736	466	0.02%	0.003%
30	5.354	1323	1326	1329	rBV	460	388	0.02%	0.003%
31	5.421	1345	1347	1353	rBV4	567	659	0.03%	0.004%
32	5.566	1388	1392	1394	rBV2	725	483	0.02%	0.003%
33	5.656	1404	1420	1446	rBV	510646	1025685	50.75%	6.904%
34	5.939	1500	1508	1522	rVB7	4641	9444	0.47%	0.064%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

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_V\METHOD\SOM2VLM042219S.M
Title : VOC Analysis

35	5.994	1522	1525	1527	rBV	562	364	0.02%	0.002%
36	6.113	1544	1562	1592	rBV	284667	581721	28.78%	3.916%
37	6.344	1631	1634	1635	rBV	657	436	0.02%	0.003%
38	6.396	1646	1650	1651	rBV2	549	407	0.02%	0.003%
39	6.431	1658	1661	1663	rBV	458	307	0.02%	0.002%
40	6.643	1722	1727	1728	rBV3	887	837	0.04%	0.006%
41	6.746	1756	1759	1763	rVB2	533	434	0.02%	0.003%
42	6.798	1771	1775	1776	rBV2	970	646	0.03%	0.004%
43	6.849	1789	1791	1798	rVB4	572	603	0.03%	0.004%
44	6.881	1798	1801	1802	rBV	585	288	0.01%	0.002%
45	6.952	1820	1823	1829	rVB3	387	366	0.02%	0.002%
46	7.026	1831	1846	1866	rBV	139025	251202	12.43%	1.691%
47	7.235	1909	1911	1912	rBV	528	274	0.01%	0.002%
48	7.357	1936	1949	1968	rBV	552651	966332	47.82%	6.505%
49	7.663	2030	2044	2059	rBV	87711	151614	7.50%	1.021%
50	7.775	2077	2079	2083	rBV2	561	321	0.02%	0.002%
51	8.042	2160	2162	2166	rVB3	909	443	0.02%	0.003%
52	8.074	2169	2172	2173	rBV	466	284	0.01%	0.002%
53	8.129	2179	2189	2211	rBV	145757	266502	13.19%	1.794%
54	8.367	2258	2263	2265	rBV2	794	622	0.03%	0.004%
55	8.402	2269	2274	2276	rVB2	555	367	0.02%	0.002%
56	8.415	2276	2278	2280	rBV2	703	340	0.02%	0.002%
57	8.498	2301	2304	2306	rBV3	443	282	0.01%	0.002%
58	8.608	2336	2338	2343	rVB2	583	400	0.02%	0.003%
59	8.894	2414	2427	2451	rBV	722142	1199879	59.37%	8.077%
60	9.048	2473	2475	2477	rBV3	1157	474	0.02%	0.003%
61	9.103	2490	2492	2494	rVV2	564	311	0.02%	0.002%
62	9.148	2503	2506	2510	rBV2	522	390	0.02%	0.003%
63	9.171	2510	2513	2514	rBV	965	473	0.02%	0.003%
64	9.257	2536	2540	2542	rBV2	525	410	0.02%	0.003%
65	9.367	2572	2574	2580	rVB3	779	474	0.02%	0.003%
66	9.444	2594	2598	2603	rBV2	467	519	0.03%	0.003%
67	9.543	2627	2629	2632	rBV	443	269	0.01%	0.002%
68	9.762	2695	2697	2702	rVB2	467	289	0.01%	0.002%
69	9.945	2752	2754	2757	rBV2	811	518	0.03%	0.003%
70	10.003	2770	2772	2775	rBV2	387	291	0.01%	0.002%
71	10.058	2786	2789	2791	rBV	493	297	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

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_V\METHOD\SOM2VLM042219S.M
Title : VOC Analysis

72	10.260	2840	2852	2877	rVB	261949	415989	20.58%	2.800%
73	10.424	2892	2903	2917	rBV3	13756	22265	1.10%	0.150%
74	10.524	2932	2934	2938	rBV2	652	451	0.02%	0.003%
75	10.762	3005	3008	3009	rBV	611	277	0.01%	0.002%
76	10.788	3013	3016	3019	rVB2	704	380	0.02%	0.003%
77	10.958	3060	3069	3076	rBV6	2979	4381	0.22%	0.029%
78	11.032	3086	3092	3100	rBV5	2753	3356	0.17%	0.023%
79	11.293	3162	3173	3190	rBV	700099	1098757	54.37%	7.396%
80	11.437	3208	3218	3221	rBV4	2822	4199	0.21%	0.028%
81	11.576	3256	3261	3263	rBV3	1149	1048	0.05%	0.007%
82	11.617	3271	3274	3278	rVB3	1307	878	0.04%	0.006%
83	11.672	3278	3291	3310	rBV	570669	904386	44.75%	6.088%
84	11.887	3352	3358	3370	rVB8	2469	3759	0.19%	0.025%
85	12.508	3549	3551	3552	rBV	1688	678	0.03%	0.005%
86	12.637	3588	3591	3599	rVB7	3061	3337	0.17%	0.022%
87	12.765	3629	3631	3632	rBV	816	322	0.02%	0.002%
88	12.929	3676	3682	3694	rVB8	6025	7765	0.38%	0.052%
89	12.993	3694	3702	3712	rBV3	12186	17363	0.86%	0.117%
90	13.106	3727	3737	3748	rVB3	15075	24550	1.21%	0.165%
91	13.235	3773	3777	3779	rBV3	1090	911	0.05%	0.006%
92	13.309	3793	3800	3804	rBV9	2075	3086	0.15%	0.021%
93	13.550	3865	3875	3889	rBV	267531	404735	20.03%	2.724%
94	13.794	3943	3951	3963	rVB2	36881	56839	2.81%	0.383%
95	13.910	3985	3987	3991	rBV3	1304	1096	0.05%	0.007%
96	14.682	4216	4227	4244	rBV	1351462	2020918	100.00%	13.604%
97	14.865	4273	4284	4302	rBV	725589	1133855	56.11%	7.633%
98	15.415	4448	4455	4463	rBV	51776	74977	3.71%	0.505%
99	15.717	4539	4549	4570	rBV	509677	842051	41.67%	5.668%
100	15.862	4585	4594	4601	rBV	511674	777480	38.47%	5.234%

Sum of corrected areas: 14855527

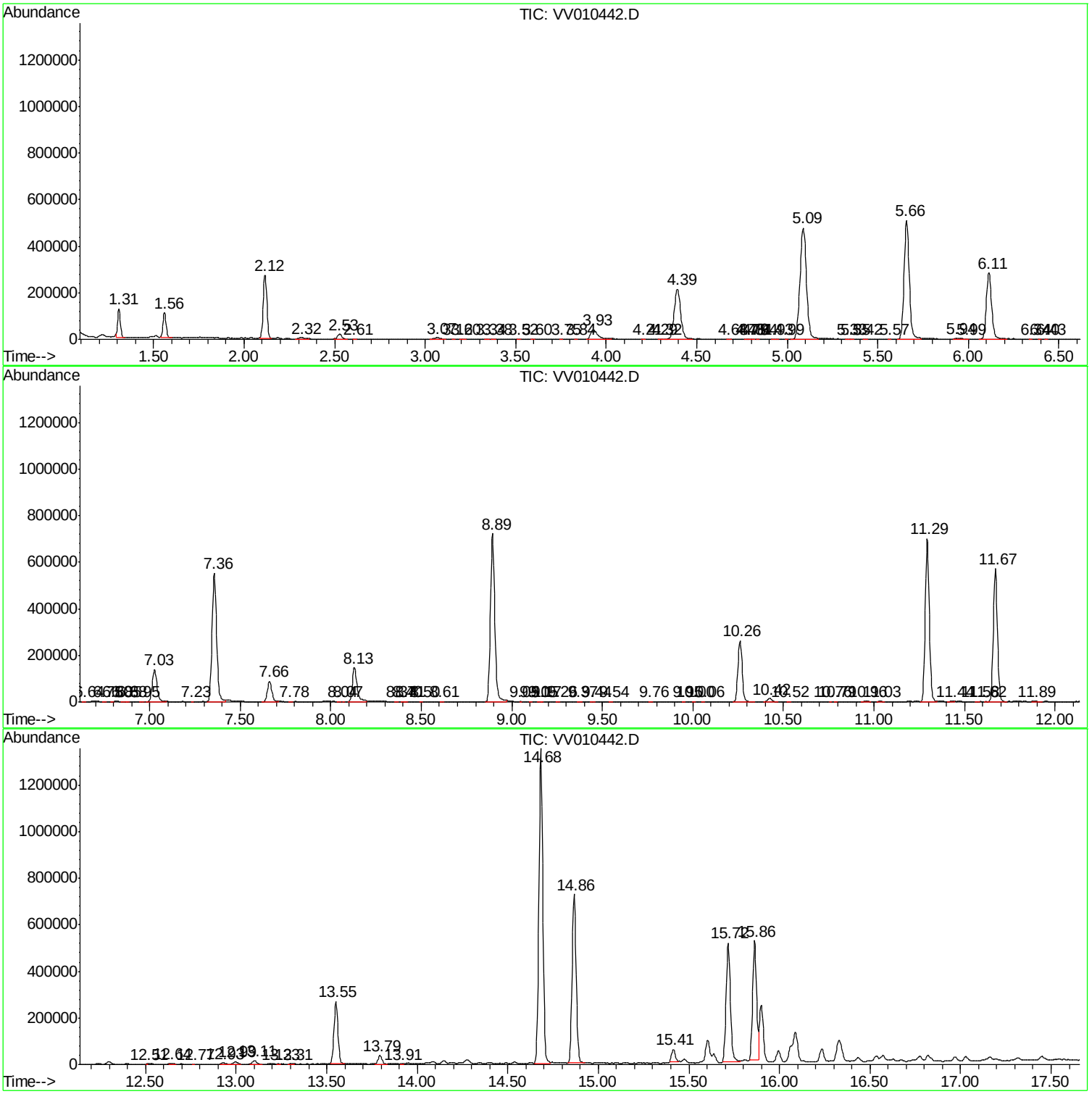
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

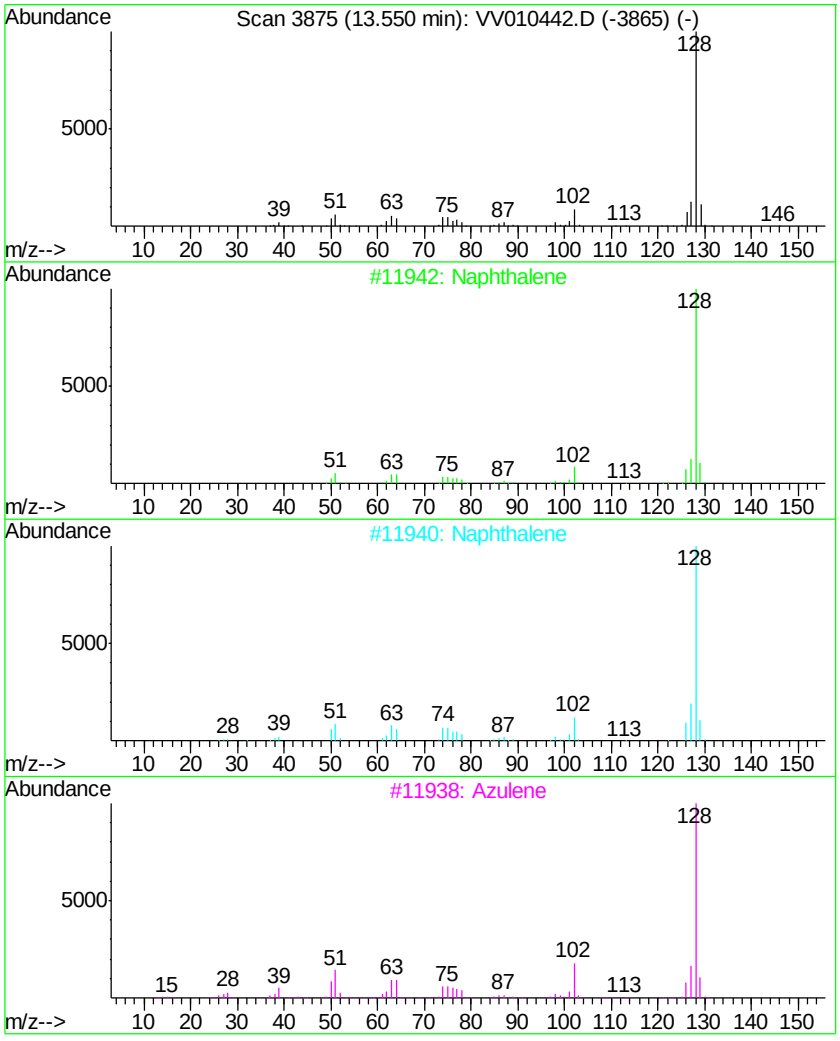
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

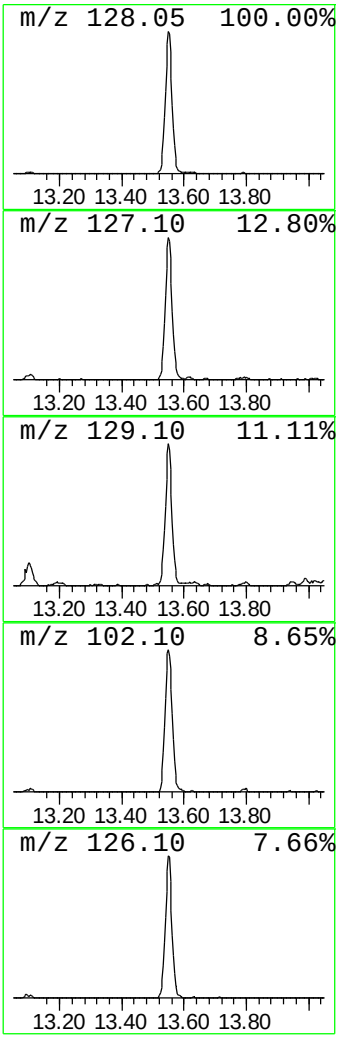
****

Peak Number 2 Azulene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	9.21 ug/L	404735	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Naphthalene	128	C10H8	000091-20-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

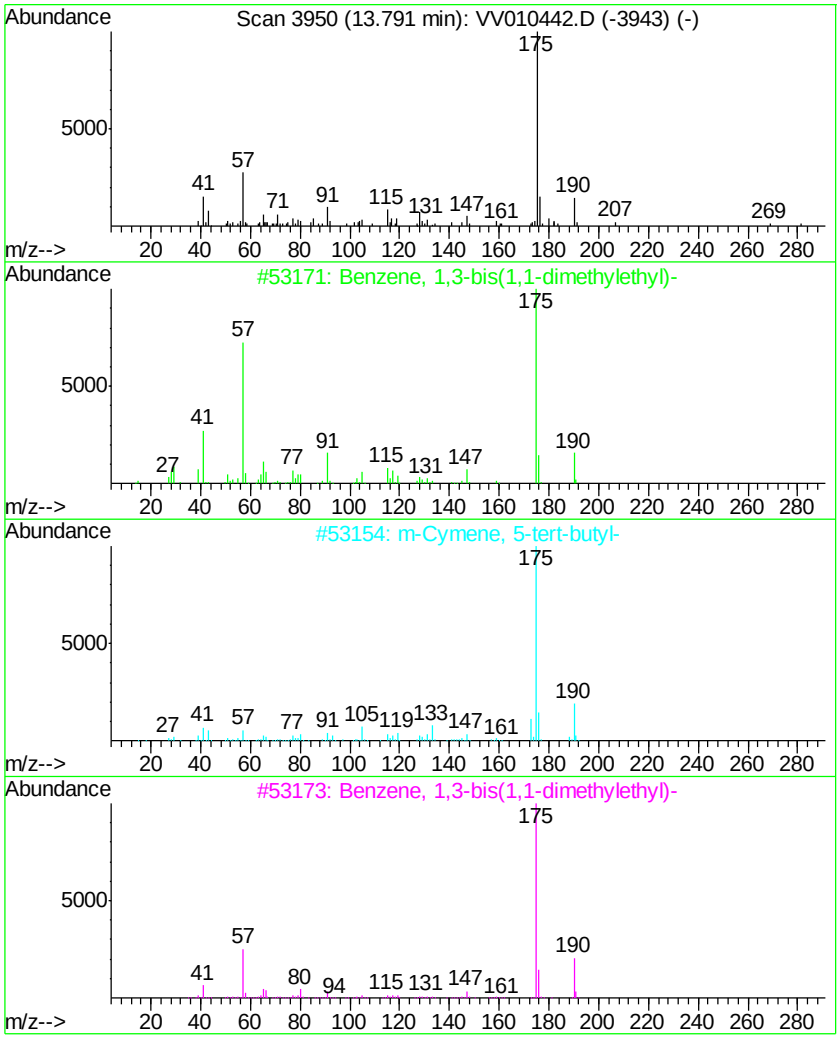
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

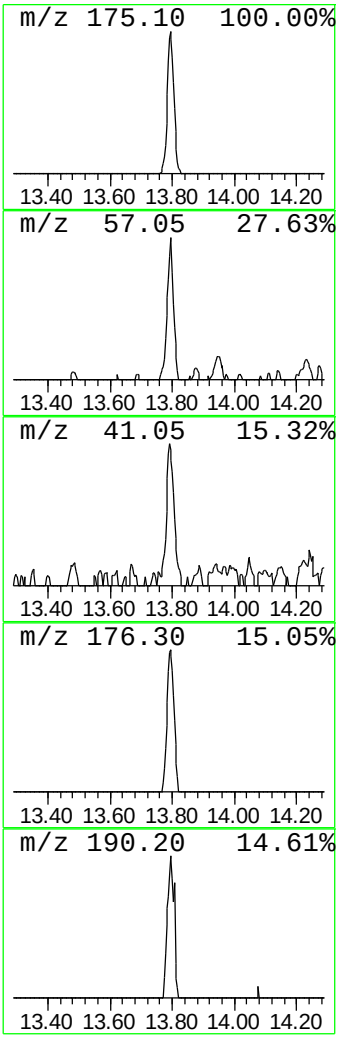
****

Peak Number 3 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	1.29 ug/L	56839	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	81
2	m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	76
3	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	74
4	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	72
5	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

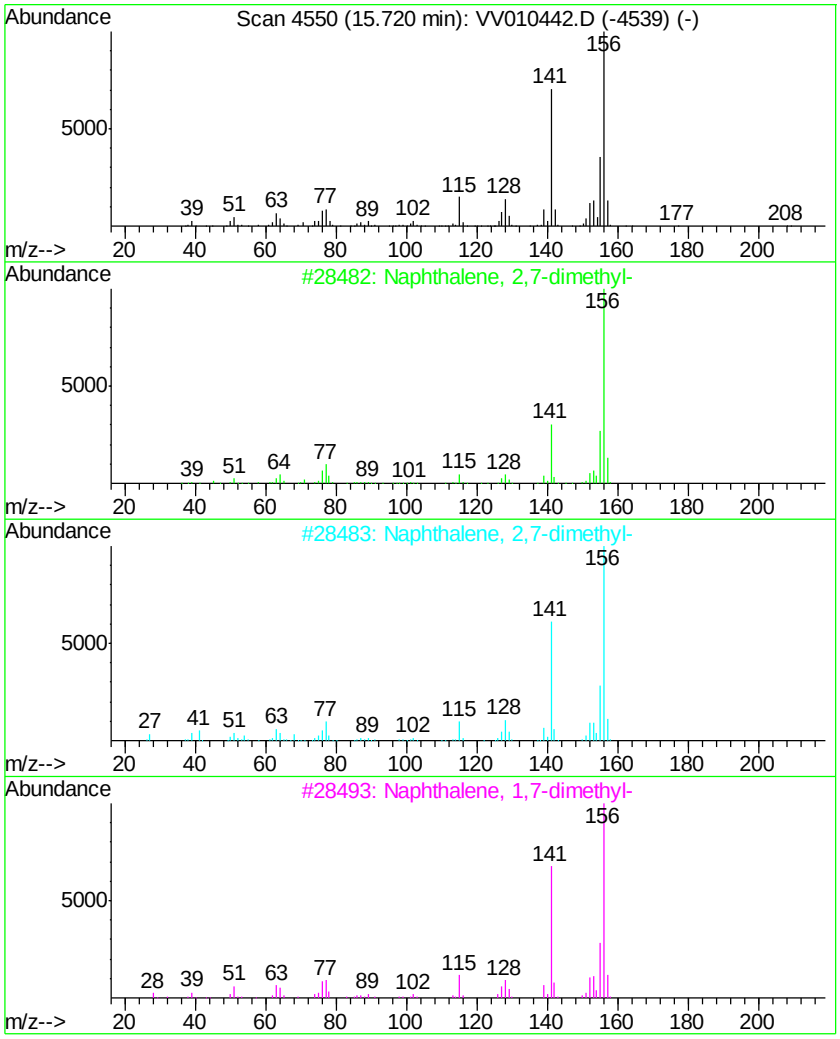
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

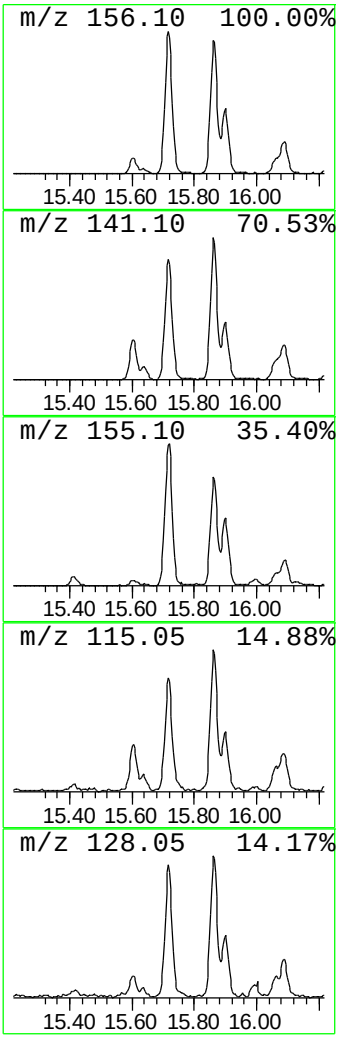
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	19.16 ug/L	842051	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

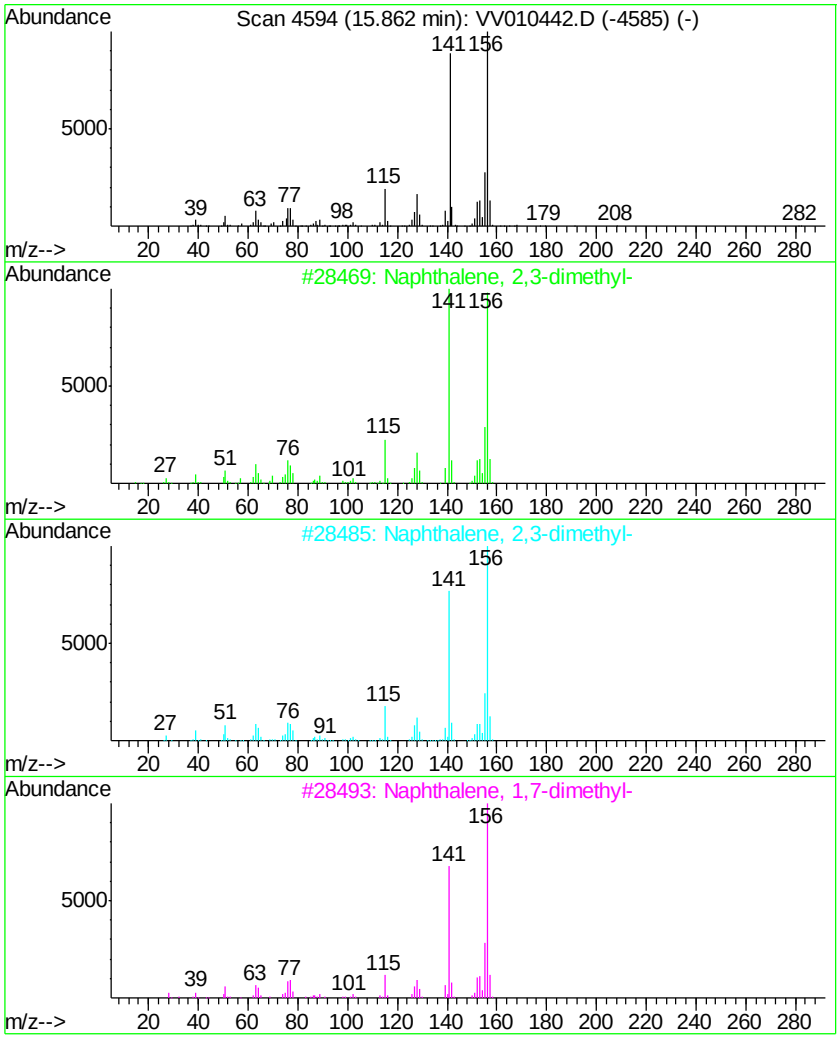
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

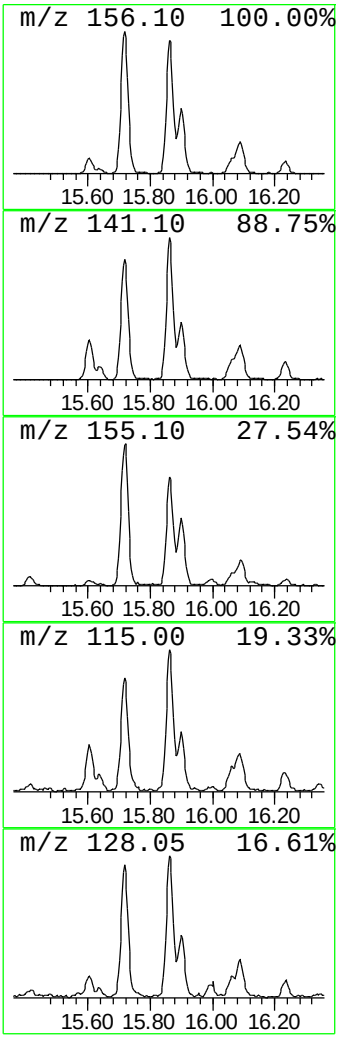
****

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	17.69 ug/L	777480	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010442.D
Acq On : 23 Apr 2019 07:45
Operator : SY/MD
Sample : K2481-10
Misc : 5.10G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.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
Azulene	13.55	9.2	ug/L	404735	3	11.29	1098760	25.0
Benzene, 1,3-bis(...	13.79	1.3	ug/L	56839	3	11.29	1098760	25.0
Naphthalene, 2,7-...	15.72	19.2	ug/L	842051	3	11.29	1098760	25.0
Naphthalene, 2,3-...	15.86	17.7	ug/L	777480	3	11.29	1098760	25.0