LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010653.D
Acq On : 03 May 2019 09:24
Operator : SY/MD
Sample : K2604-23
Misc : 5.10G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

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\SOM2VLM050219S.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	62	68	78	rVB	56051	56448	10.13%	0.940%
2	1.557	138	145	155	rVB	42320	49182	8.83%	0.819%
3	2.116	306	319	332	rBV	95060	140898	25.29%	2.346%
4	2.222	350	352	353	rBV	258	61	0.01%	0.001%
5	2.306	372	378	393	rVB3	2662	4170	0.75%	0.069%
6	2.425	407	415	426	rVB3	1893	3474	0.62%	0.058%
7	2.524	438	446	456	rVB4	3766	5762	1.03%	0.096%
8	2.778	522	525	528	rBV	321	284	0.05%	0.005%
9	3.065	605	614	624	rVB4	4183	8457	1.52%	0.141%
10	3.110	624	628	630	rBV	183	145	0.03%	0.002%
11	3.183	649	651	653	rBV	297	94	0.02%	0.002%
12	3.335	696	698	701	rVB2	182	116	0.02%	0.002%
13	3.364	701	707	709	rBV2	278	347	0.06%	0.006%
14	3.679	803	805	806	rBV2	114	46	0.01%	0.001%
15	3.695	806	810	812	rBV	225	203	0.04%	0.003%
16	3.820	846	849	850	rBV	231	103	0.02%	0.002%
17	3.923	870	881	906	rBV	19024	49948	8.96%	0.832%
18	4.296	994	997	1000	rBV2	205	174	0.03%	0.003%
19	4.392	1009	1027	1054	rBV	92812	234992	42.18%	3.913%
20	4.547	1072	1075	1076	rBV	226	82	0.01%	0.001%
21	4.576	1080	1084	1087	rBV	567	473	0.08%	0.008%
22	4.714	1124	1127	1128	rBV	182	105	0.02%	0.002%
23	4.740	1132	1135	1137	rBV2	330	268	0.05%	0.004%
24	4.881	1174	1179	1184	rBV2	237	327	0.06%	0.005%
25	4.939	1194	1197	1201	rBV2	272	234	0.04%	0.004%
26	4.962	1201	1204	1206	rVB2	163	95	0.02%	0.002%
27	4.974	1206	1208	1210	rBV	160	84	0.02%	0.001%
28	4.994	1210	1214	1216	rBV	246	169	0.03%	0.003%
29	5.087	1225	1243	1268	rBV3	220168	557182	100.00%	9.278%
30	5.515	1371	1376	1381	rBV2	468	497	0.09%	0.008%
31	5.592	1397	1400	1403	rBV	214	159	0.03%	0.003%
32	5.659	1407	1421	1443	rBV	211534	428834	76.96%	7.140%
33	5.942	1500	1509	1527	rVB5	4409	9288	1.67%	0.155%
34	6.007	1527	1529	1531	rBV	263	102	0.02%	0.002%

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

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\SOM2VLM050219S.M
Title : VOC Analysis

35	6.061	1543	1546	1548	rBV2	258	178	0.03%	0.003%
36	6.113	1548	1562	1580	rBV	127231	260111	46.68%	4.331%
37	6.338	1628	1632	1635	rBV2	202	224	0.04%	0.004%
38	6.460	1665	1670	1672	rBV	266	254	0.05%	0.004%
39	6.486	1675	1678	1681	rVV2	262	190	0.03%	0.003%
40	6.534	1689	1693	1699	rBV2	214	224	0.04%	0.004%
41	6.611	1714	1717	1719	rBV	135	75	0.01%	0.001%
42	6.627	1720	1722	1723	rBV	108	41	0.01%	0.001%
43	6.672	1733	1736	1738	rBV2	186	113	0.02%	0.002%
44	6.688	1738	1741	1743	rBV	556	329	0.06%	0.005%
45	6.875	1795	1799	1801	rBV2	271	240	0.04%	0.004%
46	7.026	1834	1846	1864	rBV	65097	113538	20.38%	1.891%
47	7.122	1870	1876	1883	rBV2	440	747	0.13%	0.012%
48	7.235	1908	1911	1913	rBV2	235	177	0.03%	0.003%
49	7.357	1936	1949	1970	rBV	258119	462575	83.02%	7.702%
50	7.592	2019	2022	2027	rBV2	317	230	0.04%	0.004%
51	7.662	2033	2044	2058	rBV2	40926	66520	11.94%	1.108%
52	7.807	2086	2089	2092	rBV2	190	169	0.03%	0.003%
53	7.984	2133	2144	2151	rVB5	1463	2147	0.39%	0.036%
54	8.129	2178	2189	2211	rBV	70807	119737	21.49%	1.994%
55	8.360	2258	2261	2265	rBV	257	211	0.04%	0.004%
56	8.460	2288	2292	2293	rBV	269	200	0.04%	0.003%
57	8.492	2299	2302	2306	rBV2	226	210	0.04%	0.003%
58	8.540	2314	2317	2320	rBV2	271	206	0.04%	0.003%
59	8.595	2329	2334	2337	rBV2	370	307	0.06%	0.005%
60	8.614	2337	2340	2341	rBV	143	84	0.02%	0.001%
61	8.807	2394	2400	2402	rBV2	261	284	0.05%	0.005%
62	8.833	2405	2408	2410	rBV2	185	128	0.02%	0.002%
63	8.894	2415	2427	2461	rVV	315317	521030	93.51%	8.676%
64	9.045	2472	2474	2477	rBV2	298	144	0.03%	0.002%
65	9.238	2530	2534	2538	rBV2	272	325	0.06%	0.005%
66	9.865	2726	2729	2734	rBV2	298	253	0.05%	0.004%
67	9.971	2759	2762	2765	rBV3	266	221	0.04%	0.004%
68	9.990	2765	2768	2770	rBV	210	153	0.03%	0.003%
69	10.032	2777	2781	2784	rBV2	324	332	0.06%	0.006%
70	10.093	2798	2800	2802	rBV2	117	63	0.01%	0.001%
71	10.260	2841	2852	2867	rBV	115680	178754	32.08%	2.976%

LSC Area Percent Report

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Misc : 5.10G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

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\SOM2VLM050219S.M
Title : VOC Analysis

72	10.421	2894	2902	2913	rVB3	3950	5865	1.05%	0.098%
73	10.961	3064	3070	3081	rVB4	683	997	0.18%	0.017%
74	11.228	3151	3153	3154	rBV	320	127	0.02%	0.002%
75	11.292	3162	3173	3191	rBV	290256	456819	81.99%	7.606%
76	11.431	3213	3216	3224	rVB2	743	912	0.16%	0.015%
77	11.466	3224	3227	3229	rBV2	469	359	0.06%	0.006%
78	11.672	3279	3291	3310	rVB	245282	400088	71.81%	6.662%
79	11.784	3323	3326	3327	rBV2	349	229	0.04%	0.004%
80	12.119	3423	3430	3433	rBV3	1458	1820	0.33%	0.030%
81	12.241	3460	3468	3476	rVB3	12195	17220	3.09%	0.287%
82	12.296	3478	3485	3494	rVB3	6433	9540	1.71%	0.159%
83	12.363	3497	3506	3511	rBV4	1223	1672	0.30%	0.028%
84	12.382	3511	3512	3513	rBV4	318	115	0.02%	0.002%
85	12.456	3528	3535	3543	rBV3	6307	8722	1.57%	0.145%
86	12.511	3544	3552	3565	rVB	13385	21207	3.81%	0.353%
87	12.591	3565	3577	3583	rBV6	1954	4431	0.80%	0.074%
88	12.633	3585	3590	3604	rVB6	7574	13780	2.47%	0.229%
89	12.717	3614	3616	3617	rBV2	580	273	0.05%	0.005%
90	12.772	3624	3633	3640	rVB6	3124	4804	0.86%	0.080%
91	12.842	3648	3655	3661	rVB6	1722	2225	0.40%	0.037%
92	13.099	3726	3735	3749	rVB5	16751	31536	5.66%	0.525%
93	13.183	3753	3761	3766	rBV5	7713	10895	1.96%	0.181%
94	13.955	3992	4001	4010	rBV5	9190	17040	3.06%	0.284%
95	14.681	4216	4227	4240	rBV	327427	502309	90.15%	8.364%
96	14.865	4273	4284	4298	rBV	287425	446550	80.14%	7.435%
97	15.601	4505	4513	4520	rBV	52825	78136	14.02%	1.301%
98	15.717	4537	4549	4568	rBV	208962	344897	61.90%	5.743%
99	15.861	4584	4594	4601	rBV	198988	306759	55.06%	5.108%
100	16.064	4649	4657	4659	rBV2	23967	32845	5.89%	0.547%

Sum of corrected areas: 6005699

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
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Operator : SY/MD
Sample : K2604-23
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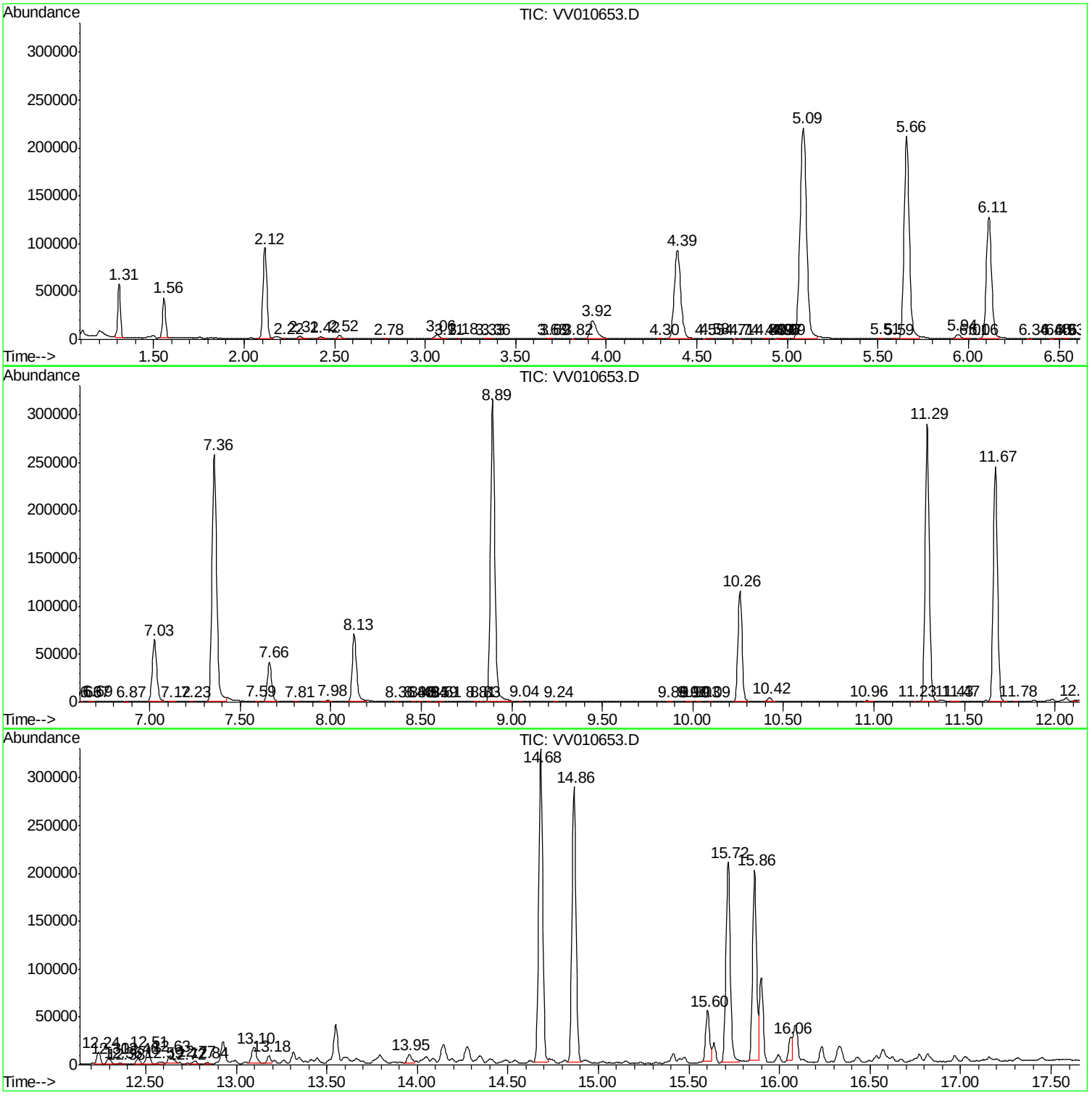
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.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_V\Data\VV050219\
Data File : VV010653.D
Acq On : 03 May 2019 09:24
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Sample : K2604-23
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

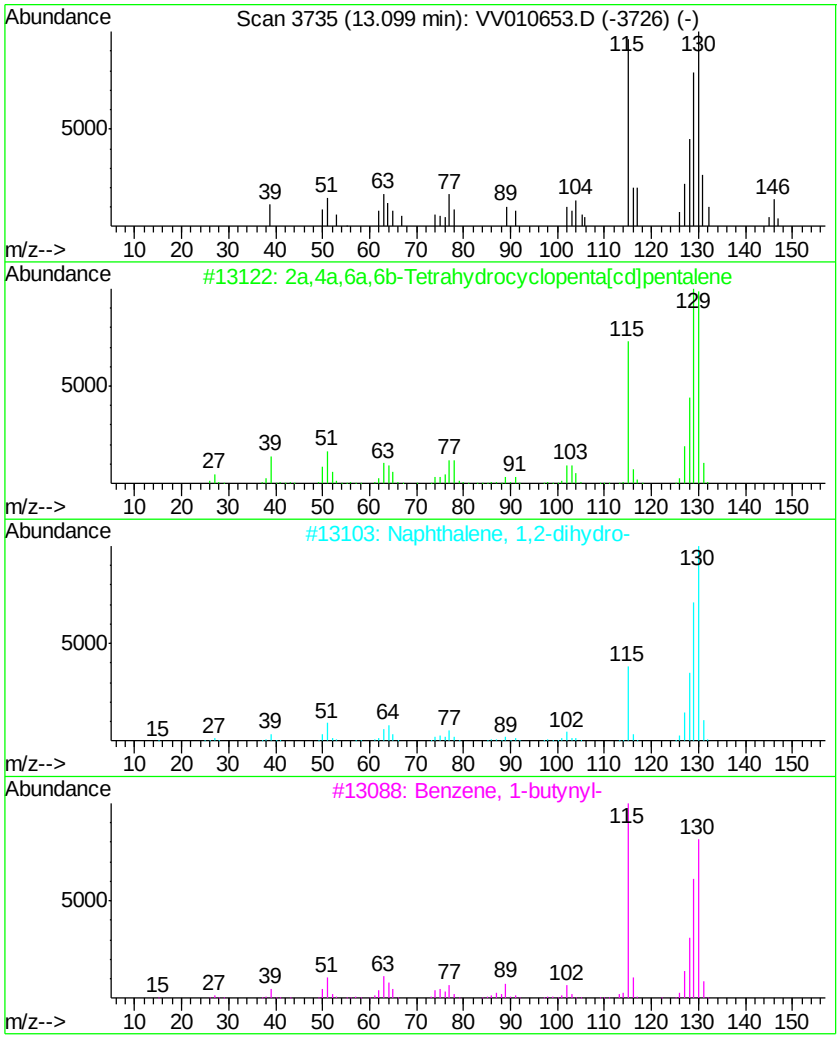
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

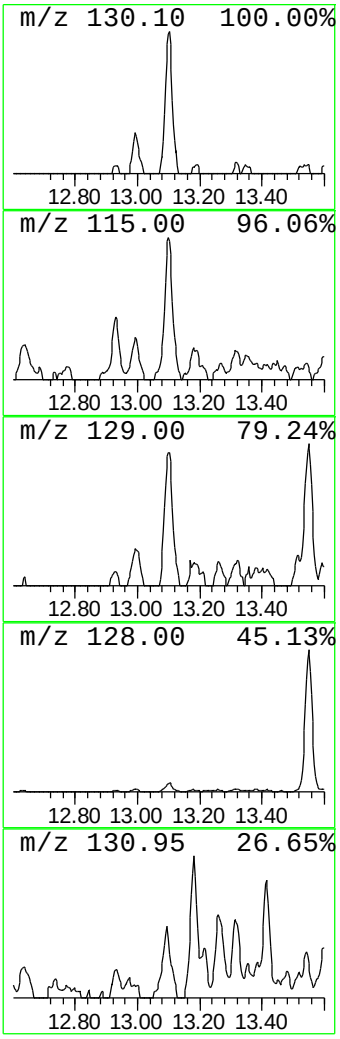
****

Peak Number 2 2a,4a,6a,6b-Tetrahydrocyclo... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	1.73 ug/L	31536	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	70
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	70
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	70
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	70
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	64





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Operator : SY/MD
Sample : K2604-23
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

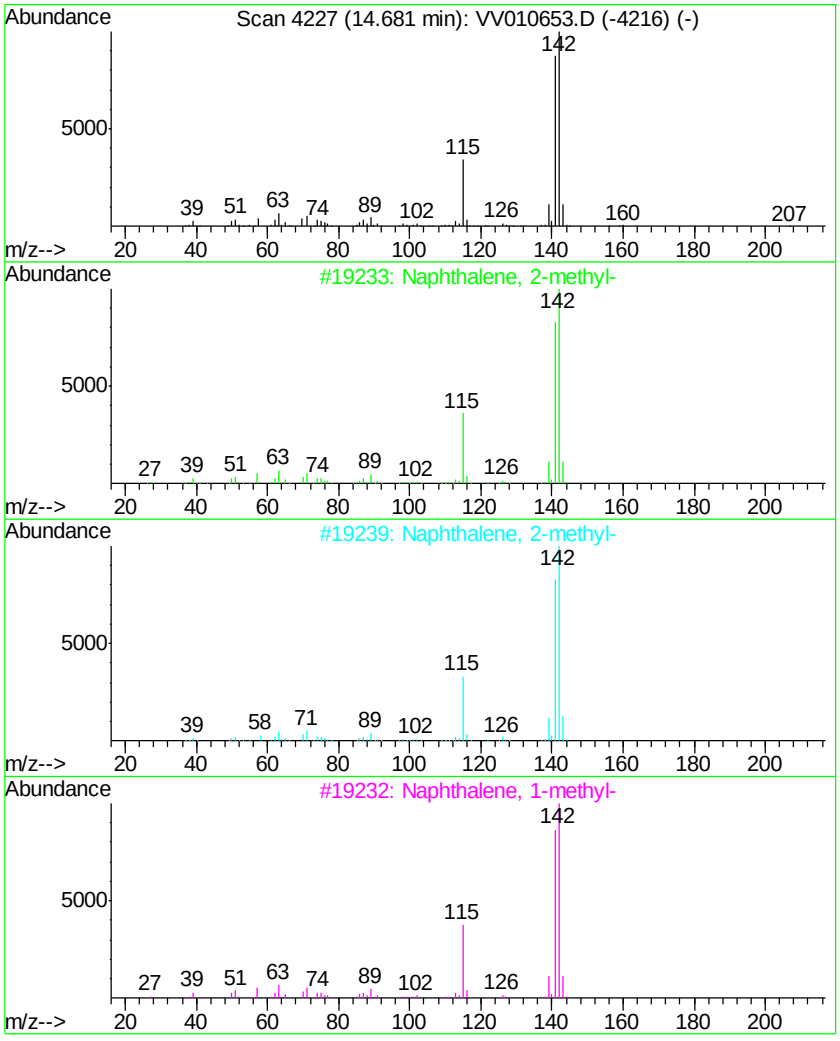
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

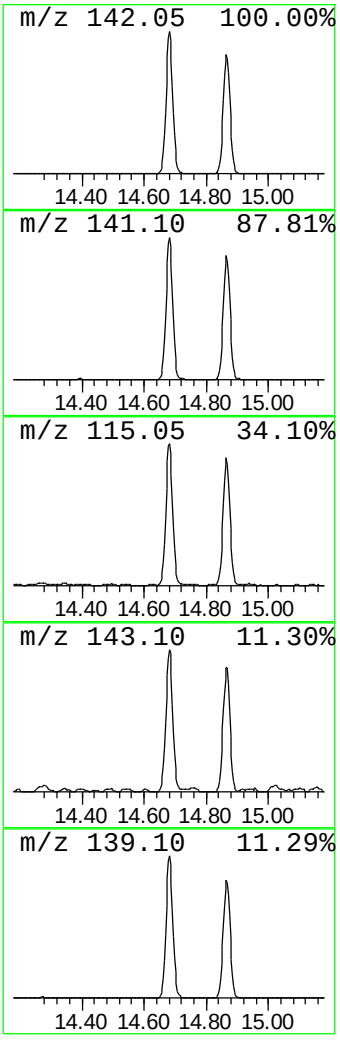
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	27.49 ug/L	502309	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

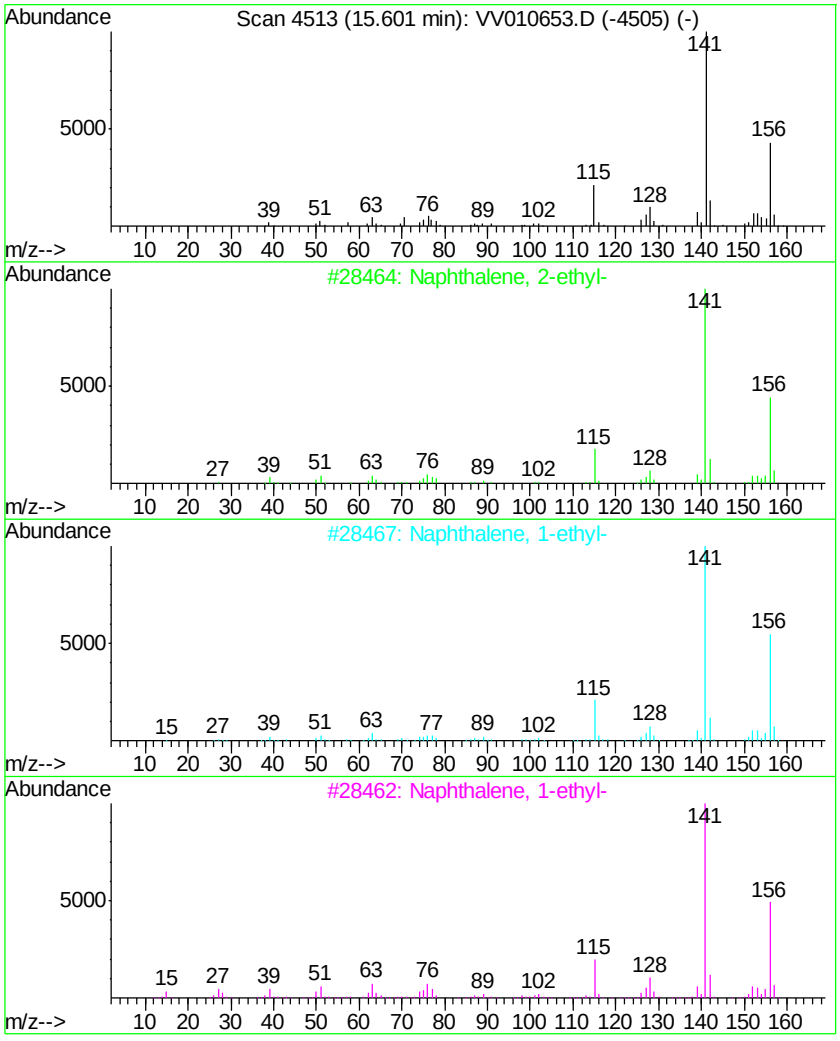
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

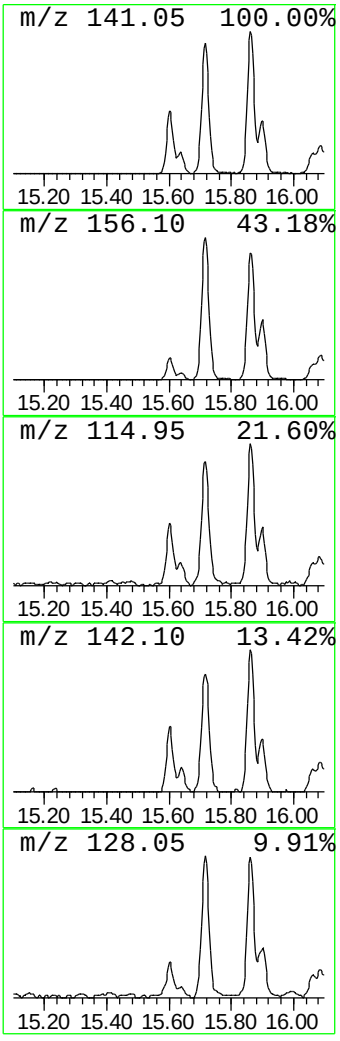
****

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.28 ug/L	78136	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

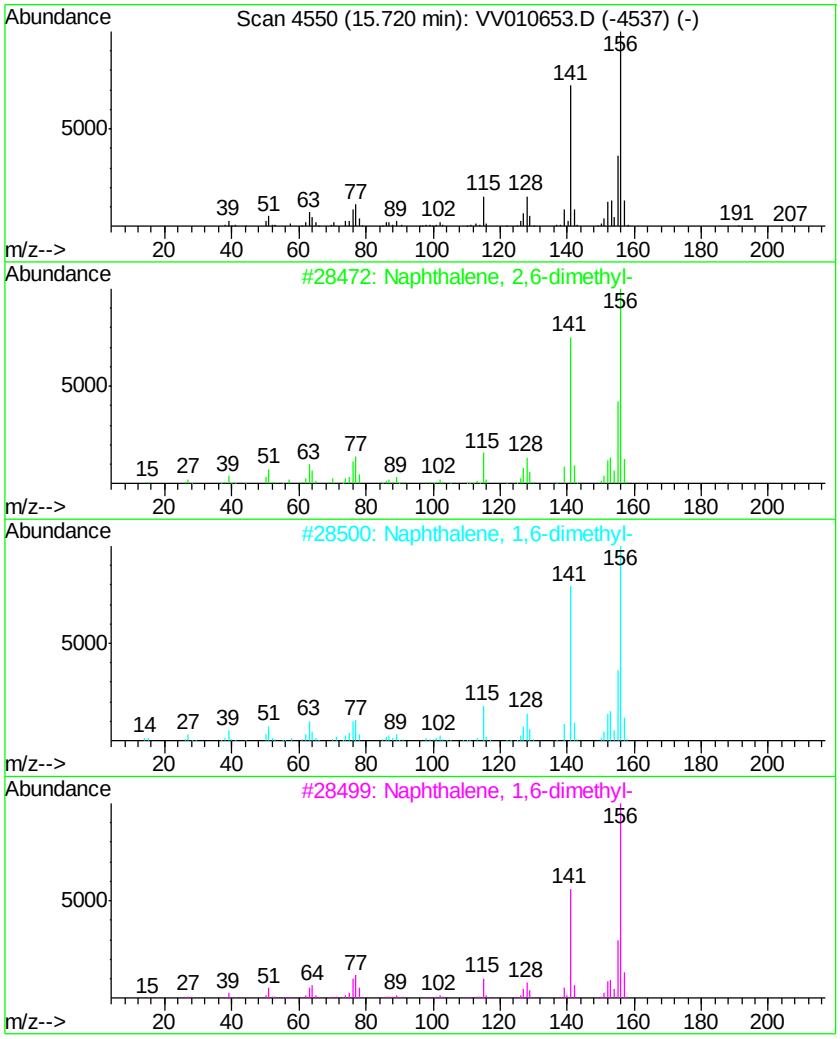
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

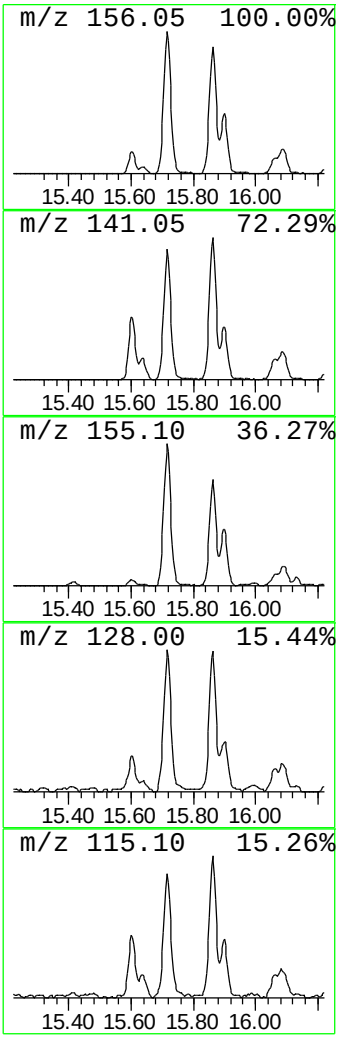
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	18.87 ug/L	344897	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : VV010653.D
Acq On : 03 May 2019 09:24
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Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

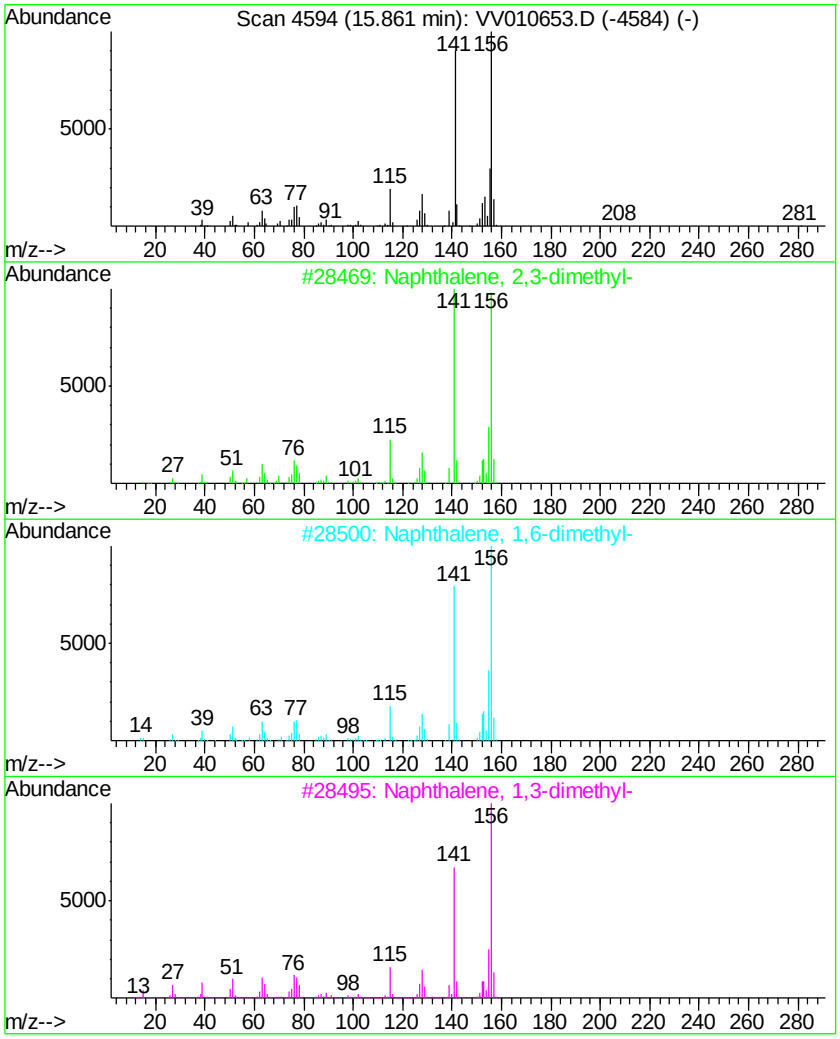
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

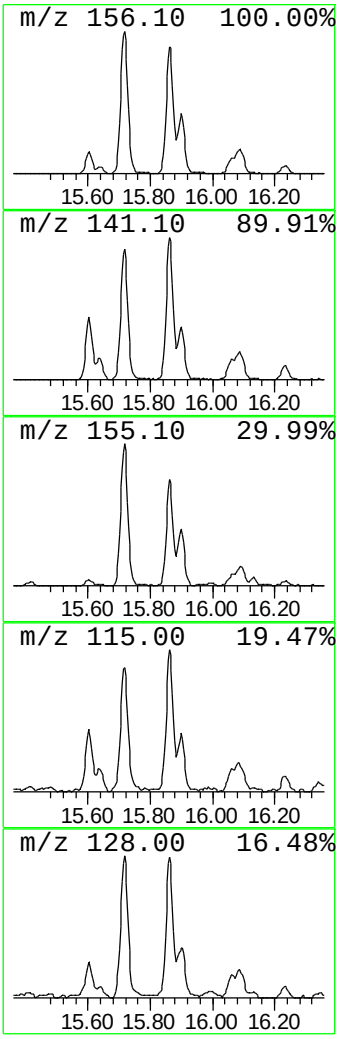
****

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	16.79 ug/L	306759	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, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010653.D
Acq On : 03 May 2019 09:24
Operator : SY/MD
Sample : K2604-23
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

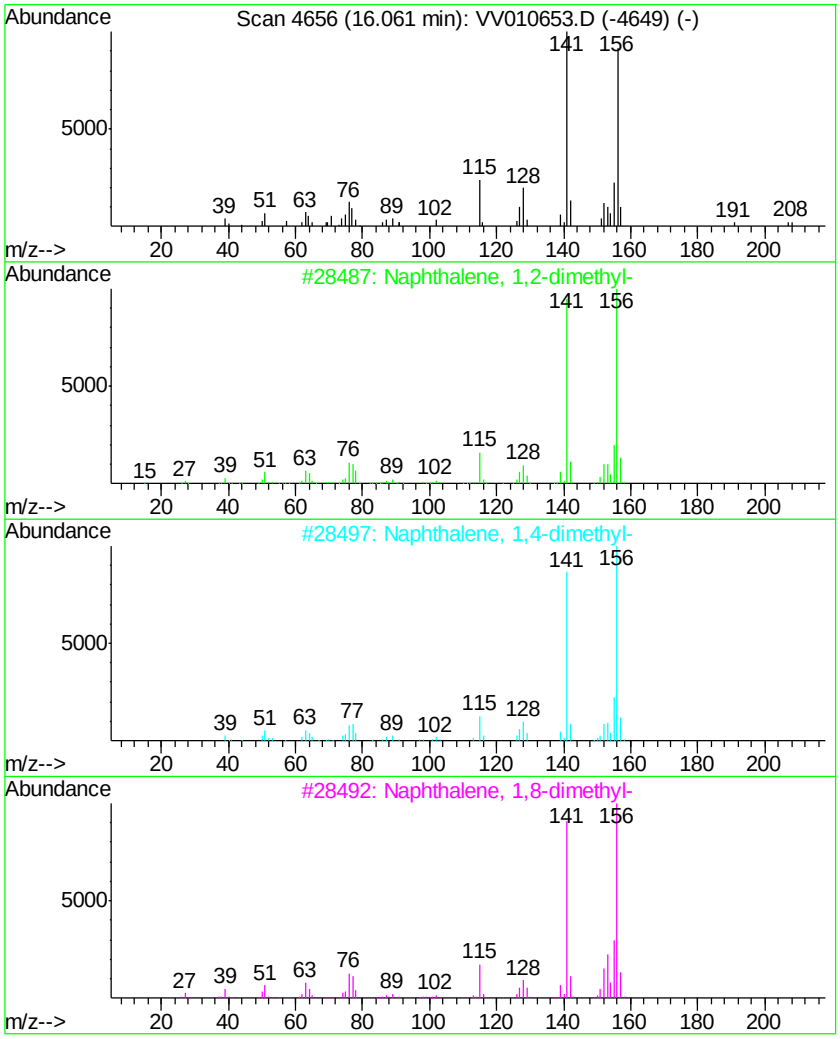
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

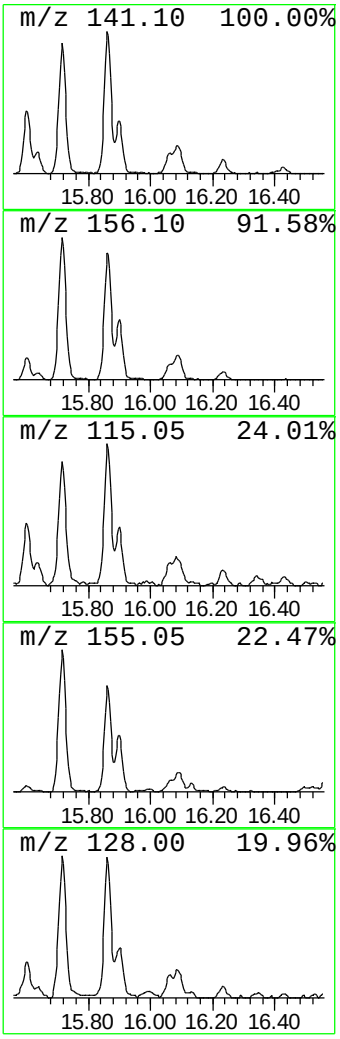
****

Peak Number 8 Naphthalene, 1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	1.80 ug/L	32845	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010653.D
Acq On : 03 May 2019 09:24
Operator : SY/MD
Sample : K2604-23
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.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
2a,4a,6a,6b-Tetra...	13.10	1.7	ug/L	31536	3	11.29	456819	25.0
Naphthalene, 1-me...	14.68	27.5	ug/L	502309	3	11.29	456819	25.0
Naphthalene, 2-et...	15.60	4.3	ug/L	78136	3	11.29	456819	25.0
Naphthalene, 2,6-...	15.72	18.9	ug/L	344897	3	11.29	456819	25.0
Naphthalene, 2,3-...	15.86	16.8	ug/L	306759	3	11.29	456819	25.0
Naphthalene, 1,2-...	16.06	1.8	ug/L	32845	3	11.29	456819	25.0