LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

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_U\METHOD\SOMULM041719WMA.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	1.180	23	28	39	rBV3	13975	15827	0.13%	0.020%
2	1.396	87	95	112	rBV	211698	342323	2.85%	0.431%
3	1.678	176	183	199	rBV	144327	300208	2.50%	0.378%
4	2.244	348	359	373	rBV	523106	850018	7.08%	1.070%
5	2.428	413	416	417	rBV3	1569	871	0.01%	0.001%
6	2.559	455	457	462	rVB3	1154	848	0.01%	0.001%
7	2.649	481	485	489	rBV4	1083	1136	0.01%	0.001%
8	2.688	489	497	513	rVB5	6664	14117	0.12%	0.018%
9	2.788	526	528	532	rBV5	943	759	0.01%	0.001%
10	2.871	550	554	559	rVB6	1007	1215	0.01%	0.002%
11	2.942	570	576	580	rVB3	1077	1314	0.01%	0.002%
12	3.273	675	679	681	rBV3	1399	1242	0.01%	0.002%
13	3.485	741	745	749	rBV3	913	1022	0.01%	0.001%
14	3.592	772	778	783	rVV6	678	698	0.01%	0.001%
15	3.656	794	798	803	rBV3	893	940	0.01%	0.001%
16	3.694	803	810	815	rVV3	676	976	0.01%	0.001%
17	3.849	856	858	865	rVB3	780	872	0.01%	0.001%
18	3.920	873	880	881	rBV2	700	653	0.01%	0.001%
19	4.116	937	941	945	rVB2	797	655	0.01%	0.001%
20	4.148	945	951	955	rVB2	824	885	0.01%	0.001%
21	4.212	955	971	1003	rBV2	117857	568549	4.74%	0.715%
22	4.643	1087	1105	1138	rBV	334641	903771	7.53%	1.137%
23	4.984	1208	1211	1216	rVV4	1198	1241	0.01%	0.002%
24	5.016	1219	1221	1224	rVV3	969	668	0.01%	0.001%
25	5.331	1296	1319	1347	rBV2	829463	2390905	19.92%	3.009%
26	5.614	1401	1407	1410	rBV7	2811	3091	0.03%	0.004%
27	5.881	1476	1490	1530	rBV	652228	1528704	12.74%	1.924%
28	6.177	1571	1582	1591	rBV7	5754	11728	0.10%	0.015%
29	6.254	1598	1606	1608	rBV8	3013	3825	0.03%	0.005%
30	6.328	1615	1629	1661	rBV	438613	999161	8.33%	1.257%
31	6.514	1683	1687	1693	rVB7	1504	1601	0.01%	0.002%
32	6.550	1693	1698	1701	rVB6	898	802	0.01%	0.001%
33	6.723	1750	1752	1758	rVB3	837	746	0.01%	0.001%
34	6.817	1774	1781	1786	rBV3	537	770	0.01%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

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_U\METHOD\SOMULM041719WMA.M
Title : VOC Analysis

35	6.874	1794	1799	1800	rBV2	1015	669	0.01%	0.001%
36	6.964	1825	1827	1831	rVB3	1491	1047	0.01%	0.001%
37	7.026	1843	1846	1853	rVV6	866	797	0.01%	0.001%
38	7.109	1869	1872	1875	rBV2	851	640	0.01%	0.001%
39	7.228	1894	1909	1938	rBV	245969	543394	4.53%	0.684%
40	7.434	1968	1973	1978	rVB6	687	881	0.01%	0.001%
41	7.456	1978	1980	1985	rVB4	795	641	0.01%	0.001%
42	7.562	1999	2013	2052	rBV	907274	1877576	15.65%	2.363%
43	7.852	2092	2103	2128	rBV2	150936	353284	2.94%	0.445%
44	8.087	2172	2176	2180	rVB5	1067	825	0.01%	0.001%
45	8.177	2201	2204	2210	rVB4	840	860	0.01%	0.001%
46	8.218	2213	2217	2218	rBV3	1225	802	0.01%	0.001%
47	8.273	2231	2234	2238	rBV3	1544	1300	0.01%	0.002%
48	8.341	2238	2255	2289	rBV2	582648	1627210	13.56%	2.048%
49	8.778	2387	2391	2399	rBV6	967	1296	0.01%	0.002%
50	8.826	2402	2406	2408	rBV3	1162	781	0.01%	0.001%
51	8.903	2424	2430	2433	rVV7	2046	1860	0.02%	0.002%
52	8.942	2439	2442	2447	rBV5	889	673	0.01%	0.001%
53	8.977	2448	2453	2455	rBV3	762	664	0.01%	0.001%
54	9.093	2473	2489	2514	rBV	978053	1977147	16.48%	2.488%
55	9.379	2568	2578	2596	rVB3	18298	35587	0.30%	0.045%
56	9.787	2690	2705	2708	rBV3	19432	29952	0.25%	0.038%
57	10.180	2824	2827	2832	rVB3	912	790	0.01%	0.001%
58	10.302	2861	2865	2867	rBV4	1221	965	0.01%	0.001%
59	10.321	2868	2871	2880	rVB5	1838	1879	0.02%	0.002%
60	10.363	2880	2884	2887	rBV5	1046	1045	0.01%	0.001%
61	10.437	2894	2907	2926	rBV	710250	1191801	9.93%	1.500%
62	10.543	2937	2940	2943	rBV5	778	640	0.01%	0.001%
63	10.685	2976	2984	3000	rBV2	16417	37882	0.32%	0.048%
64	10.775	3000	3012	3021	rBV2	30674	53941	0.45%	0.068%
65	10.980	3068	3076	3078	rBV6	6476	8836	0.07%	0.011%
66	11.148	3120	3128	3140	rVB2	99991	157930	1.32%	0.199%
67	11.218	3141	3150	3159	rVV2	105309	164895	1.37%	0.208%
68	11.270	3160	3166	3180	rVB3	36759	56673	0.47%	0.071%
69	11.385	3199	3202	3205	rBV3	2845	2611	0.02%	0.003%
70	11.430	3213	3216	3221	rBV7	2875	2625	0.02%	0.003%
71	11.485	3221	3233	3252	rBV	1172504	1916304	15.97%	2.412%

LSC Area Percent Report

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Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

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_U\METHOD\SOMULM041719WMA.M
Title : VOC Analysis

72	11.572	3254	3260	3270	rVB	35886	55812	0.47%	0.070%
73	11.768	3312	3321	3329	rBV4	19308	35431	0.30%	0.045%
74	11.861	3338	3350	3367	rBV	1029785	1699830	14.17%	2.139%
75	11.980	3377	3387	3396	rBV	215434	348943	2.91%	0.439%
76	12.144	3432	3438	3441	rBV3	10078	12136	0.10%	0.015%
77	12.427	3518	3526	3536	rBV2	53275	83084	0.69%	0.105%
78	12.704	3604	3612	3632	rBV4	49856	149087	1.24%	0.188%
79	12.826	3644	3650	3661	rVB8	33035	55628	0.46%	0.070%
80	13.122	3734	3742	3753	rBV2	227568	337194	2.81%	0.424%
81	13.186	3757	3762	3776	rVB2	105330	158663	1.32%	0.200%
82	13.289	3784	3794	3812	rVB2	216914	439774	3.66%	0.553%
83	13.739	3923	3934	3962	rBV	3460410	5627892	46.90%	7.082%
84	14.138	4051	4058	4065	rBV	248658	336605	2.81%	0.424%
85	14.871	4276	4286	4304	rVB	7712686	11999659	100.00%	15.101%
86	15.057	4334	4344	4362	rVB	3760936	6259834	52.17%	7.878%
87	15.604	4506	4514	4524	rVB	735070	1096124	9.13%	1.379%
88	15.794	4566	4573	4581	rBV	795041	1150056	9.58%	1.447%
89	15.909	4598	4609	4624	rBV	4423721	7587092	63.23%	9.548%
90	16.057	4644	4655	4661	rBV	3868149	6090163	50.75%	7.664%
91	16.093	4662	4666	4684	rVB	1955202	2729960	22.75%	3.435%
92	16.186	4686	4695	4707	rVV	1182194	1816454	15.14%	2.286%
93	16.279	4709	4724	4750	rVB	1302057	3313341	27.61%	4.170%
94	16.427	4762	4770	4780	rBV	606521	929620	7.75%	1.170%
95	16.524	4790	4800	4816	rVB3	1782199	3332426	27.77%	4.194%
96	16.967	4933	4938	4945	rVB	590203	742252	6.19%	0.934%
97	17.015	4946	4953	4977	rVB2	1044907	2076444	17.30%	2.613%
98	17.163	4990	4999	5009	rVB	887858	1373449	11.45%	1.728%
99	17.224	5010	5018	5027	rBV2	655585	982883	8.19%	1.237%
100	17.523	5103	5111	5126	rBV4	334211	634669	5.29%	0.799%

Sum of corrected areas: 79463349

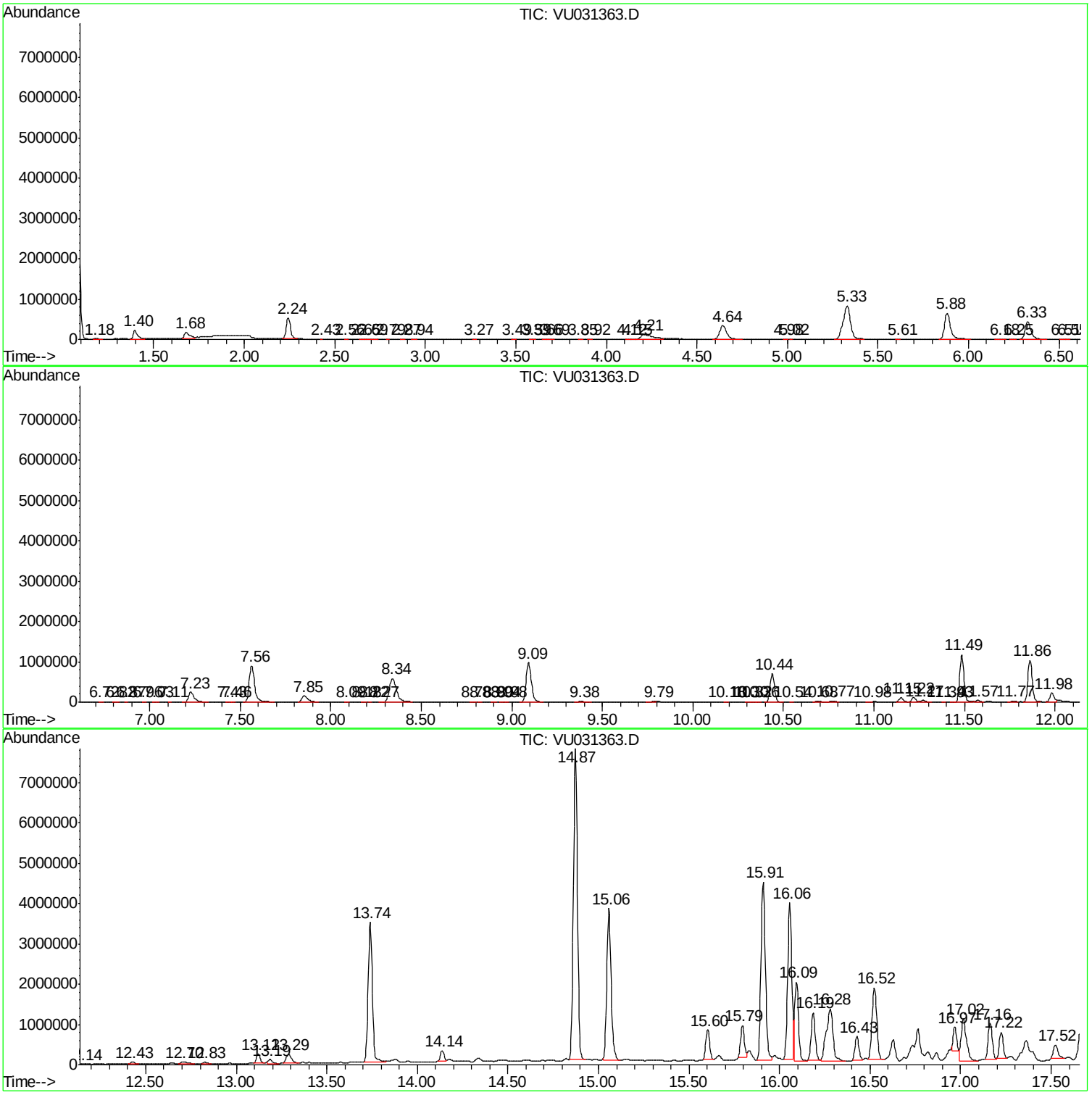
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

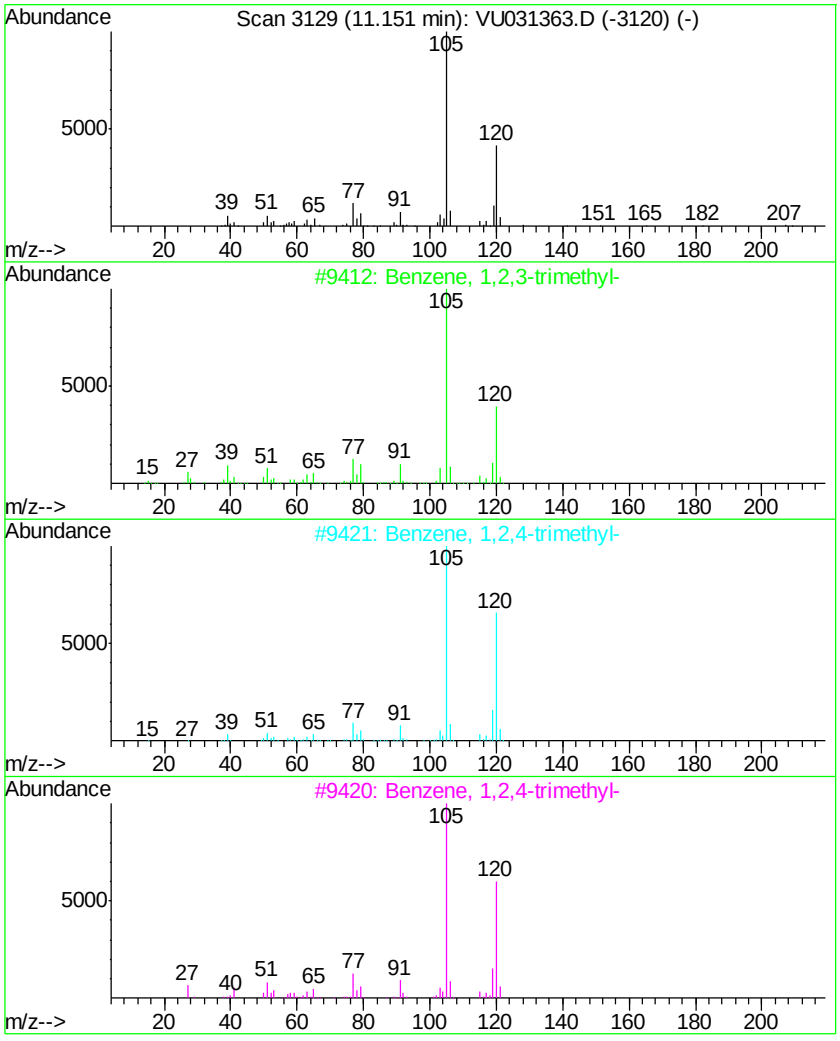
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

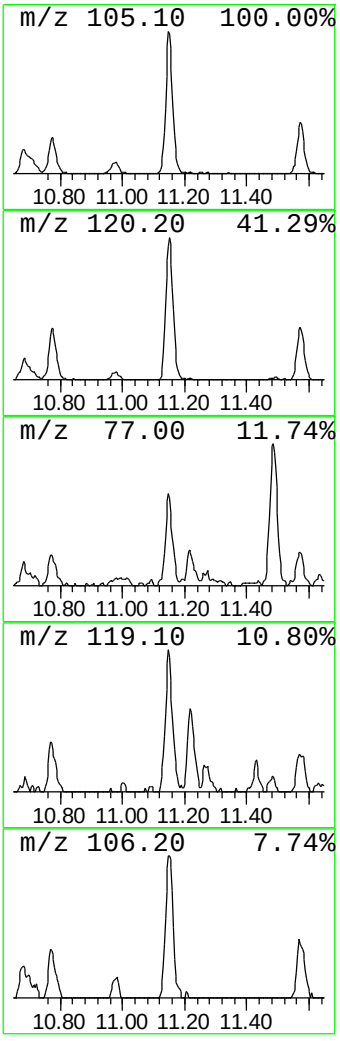
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	4.12 ug/L	157930	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

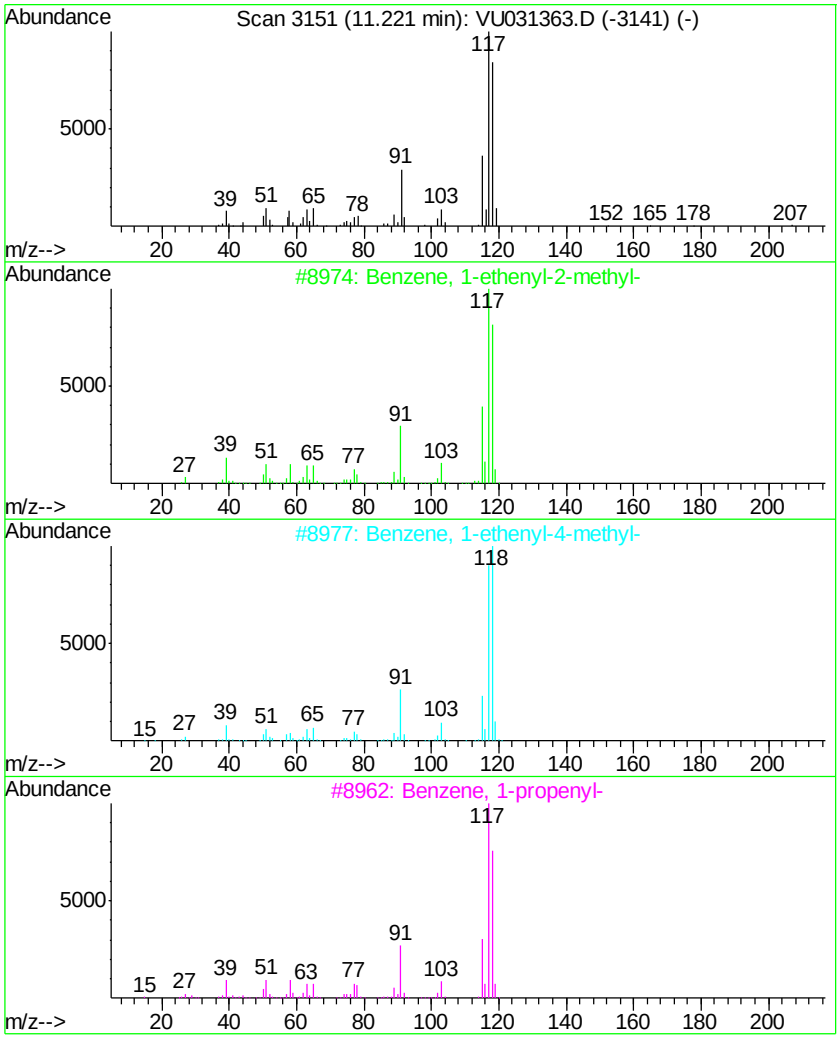
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

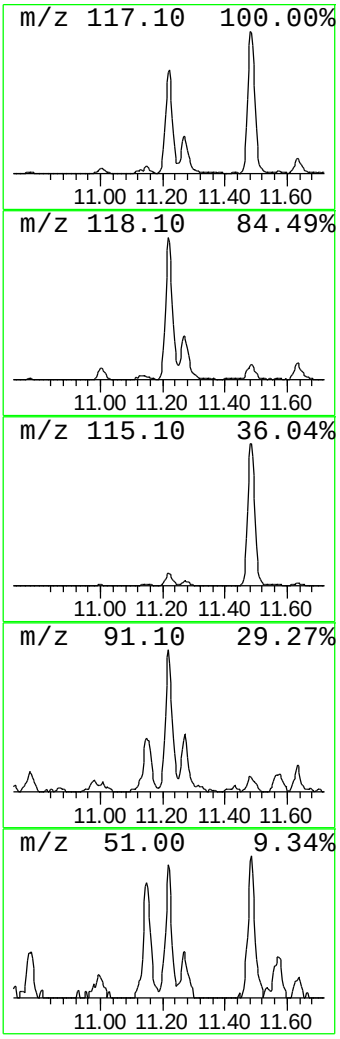
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.30 ug/L	164895	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

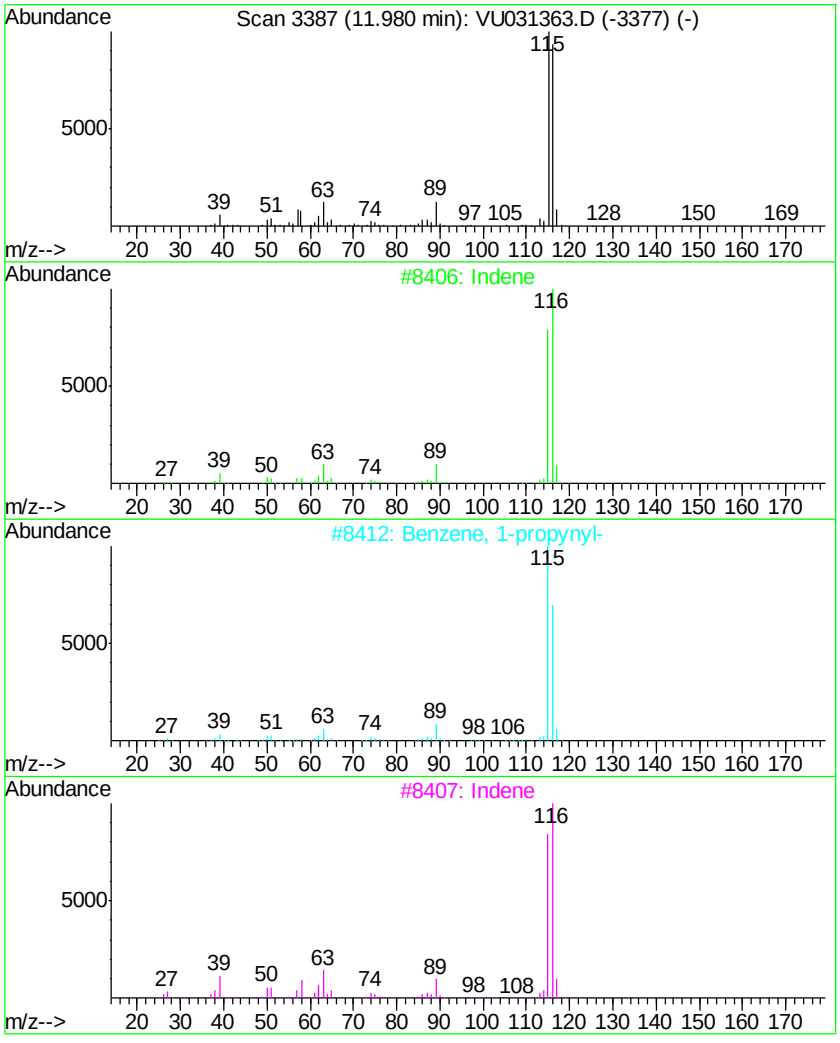
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

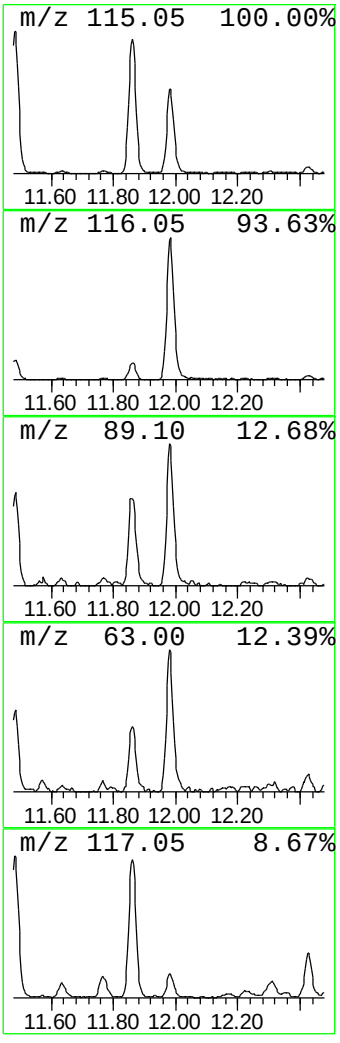
****

Peak Number 4 Indene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.10 ug/L	348943	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Indene	116	C9H8	000095-13-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

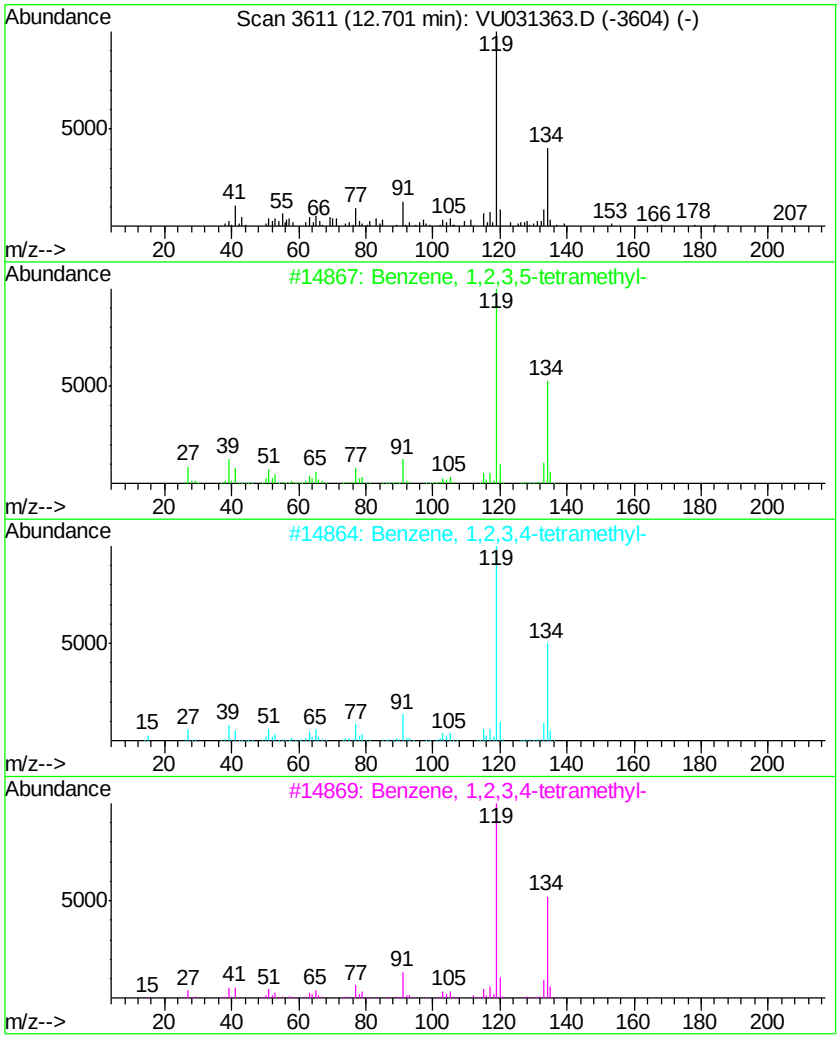
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

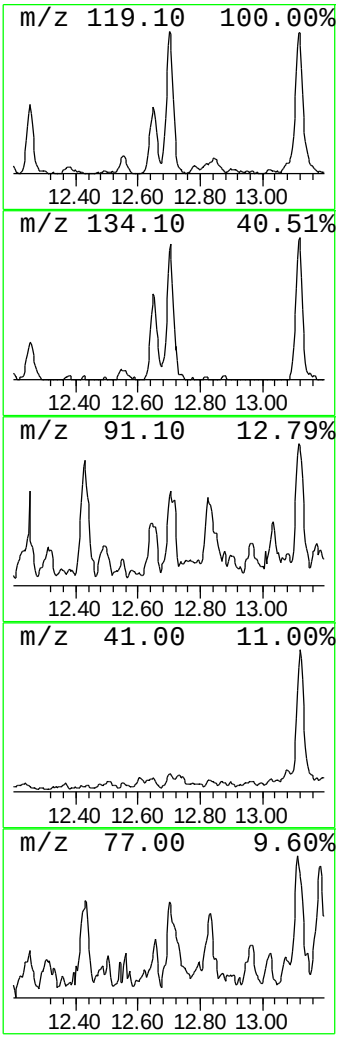
****

Peak Number 5 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.89 ug/L	149087	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

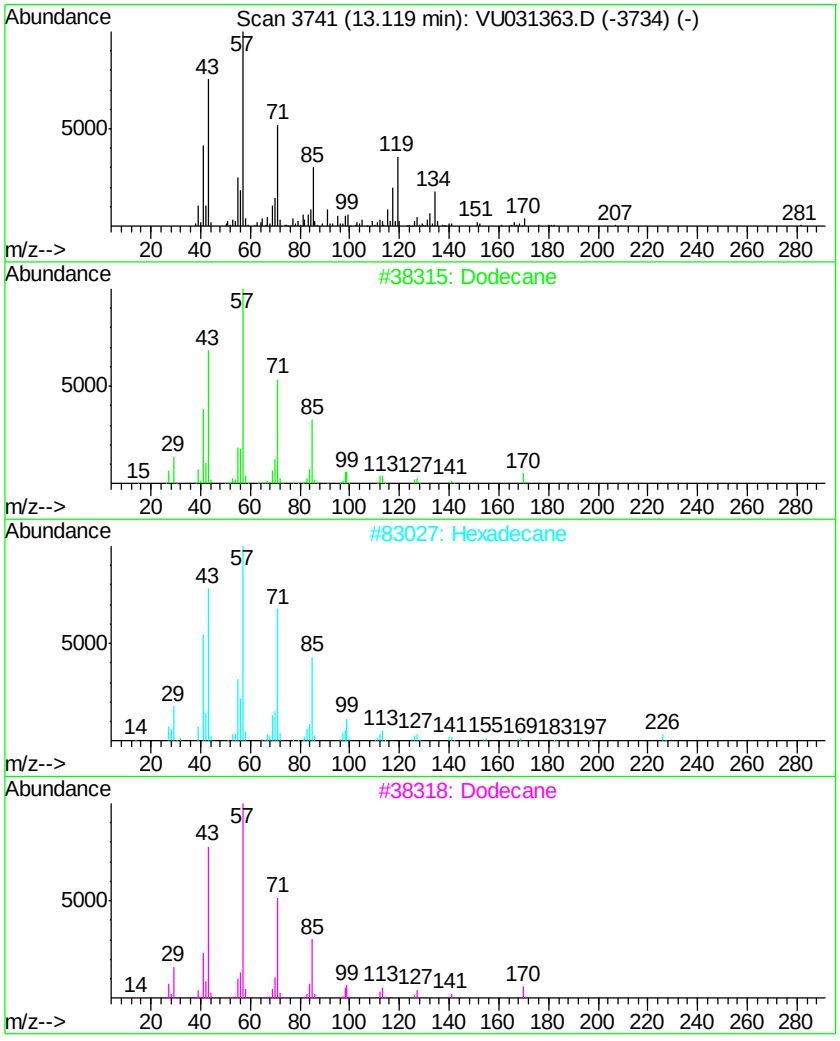
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

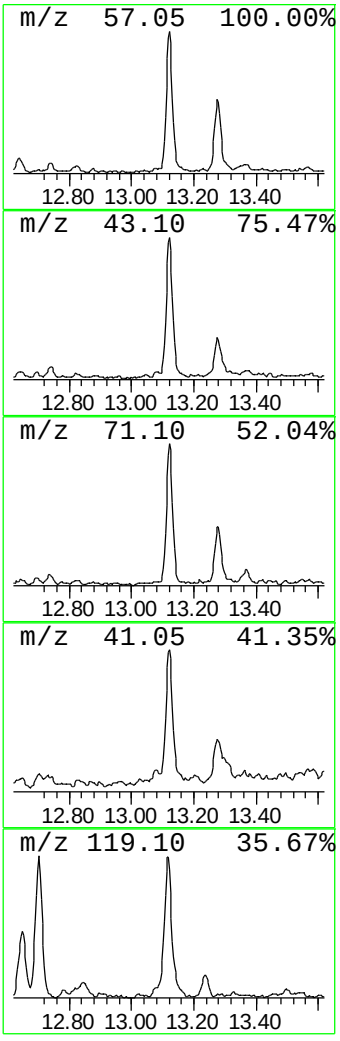
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	8.80 ug/L	337194	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Hexadecane	226	C16H34	000544-76-3	49
3	Dodecane	170	C12H26	000112-40-3	49
4	Undecane	156	C11H24	001120-21-4	49
5	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	47





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Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

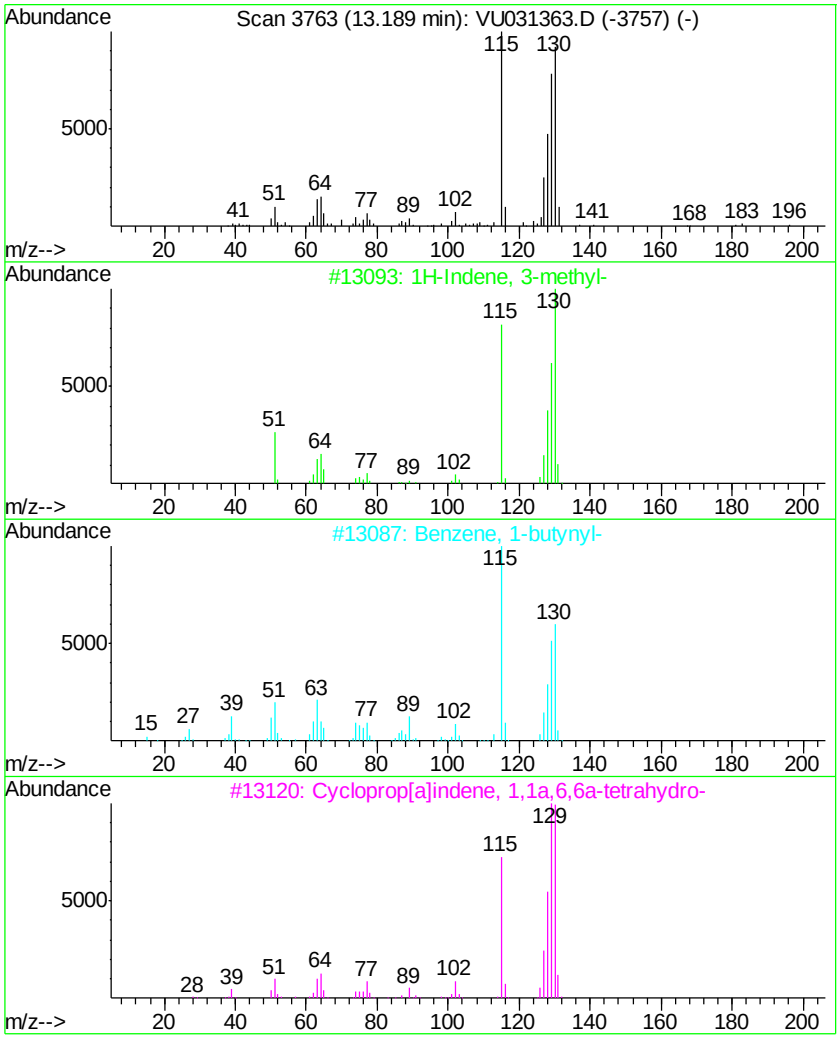
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

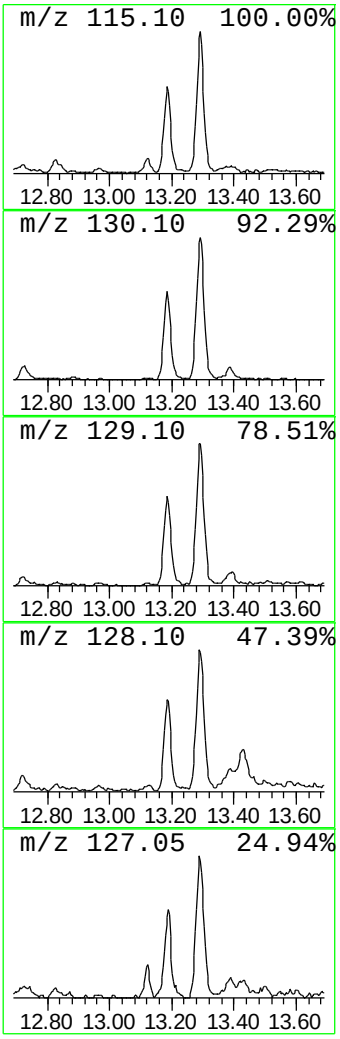
****

Peak Number 7 1H-Indene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	4.14 ug/L	158663	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91





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Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

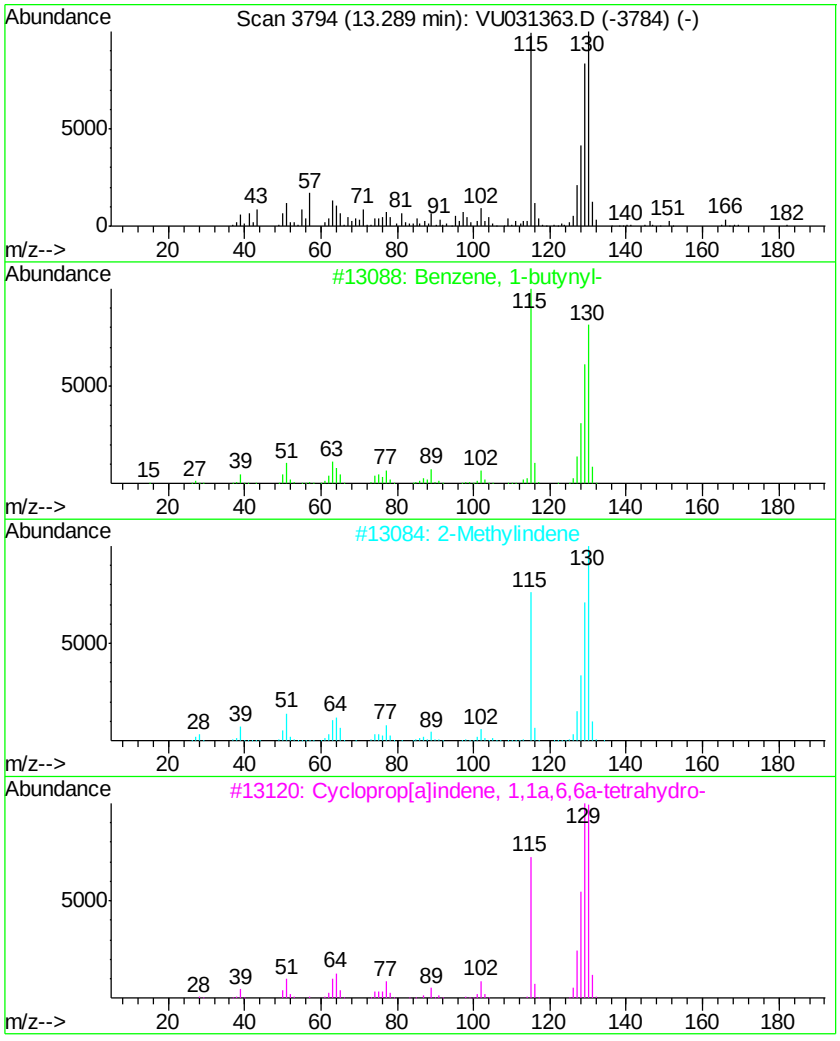
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

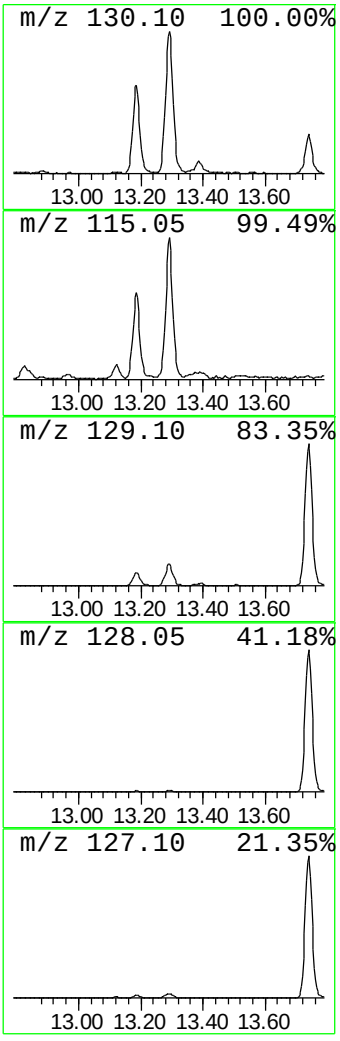
****

Peak Number 8 Benzene, 1-butynyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	11.47 ug/L	439774	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Library Search Compound Report

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Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

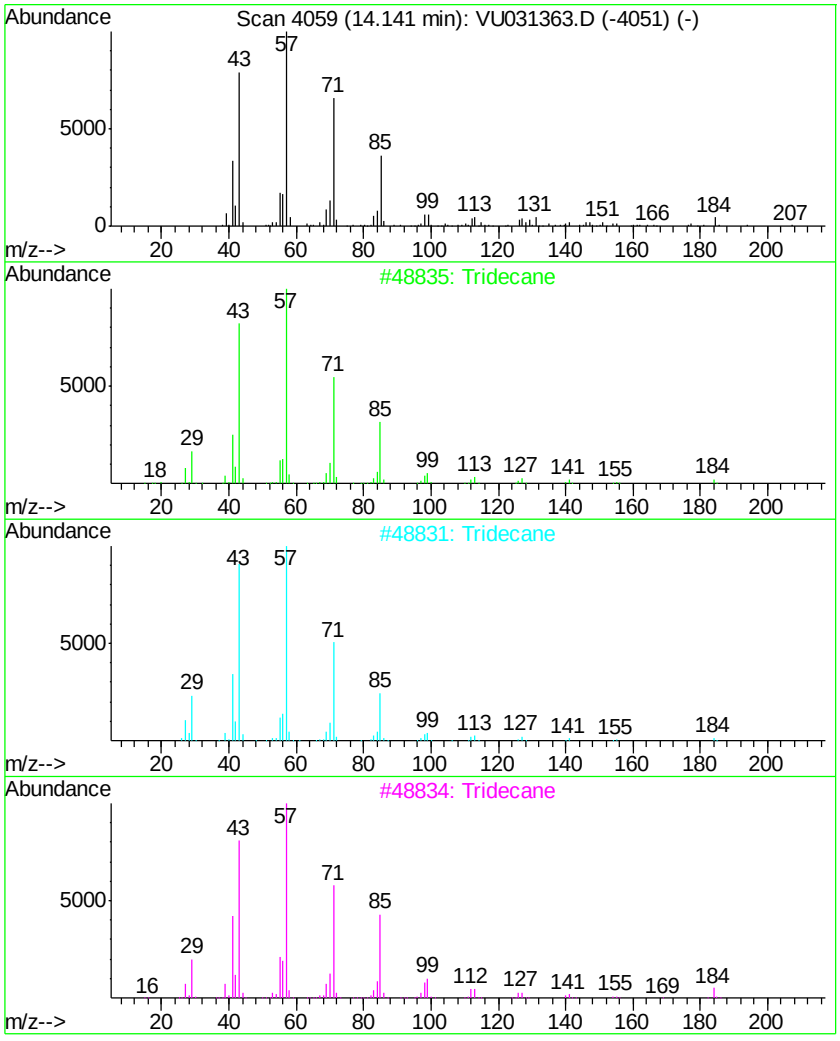
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

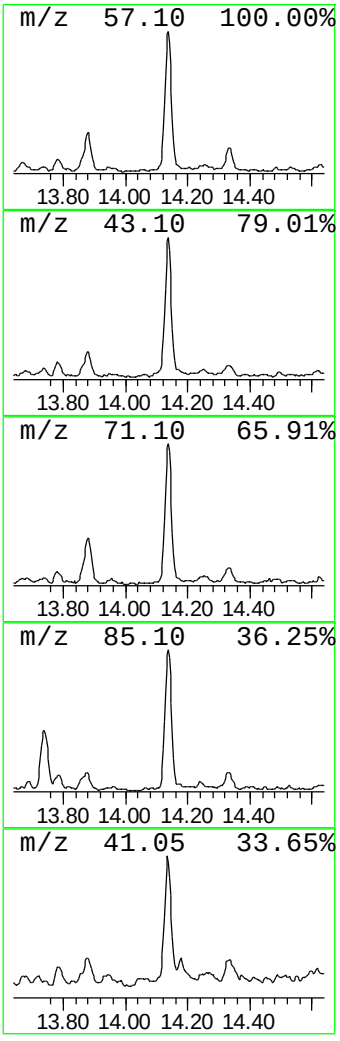
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	8.78 ug/L	336605	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Tridecane	184	C13H28	000629-50-5	95
3	Tridecane	184	C13H28	000629-50-5	93
4	Dodecane	170	C12H26	000112-40-3	90
5	Tetradecane	198	C14H30	000629-59-4	90





Library Search Compound Report

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Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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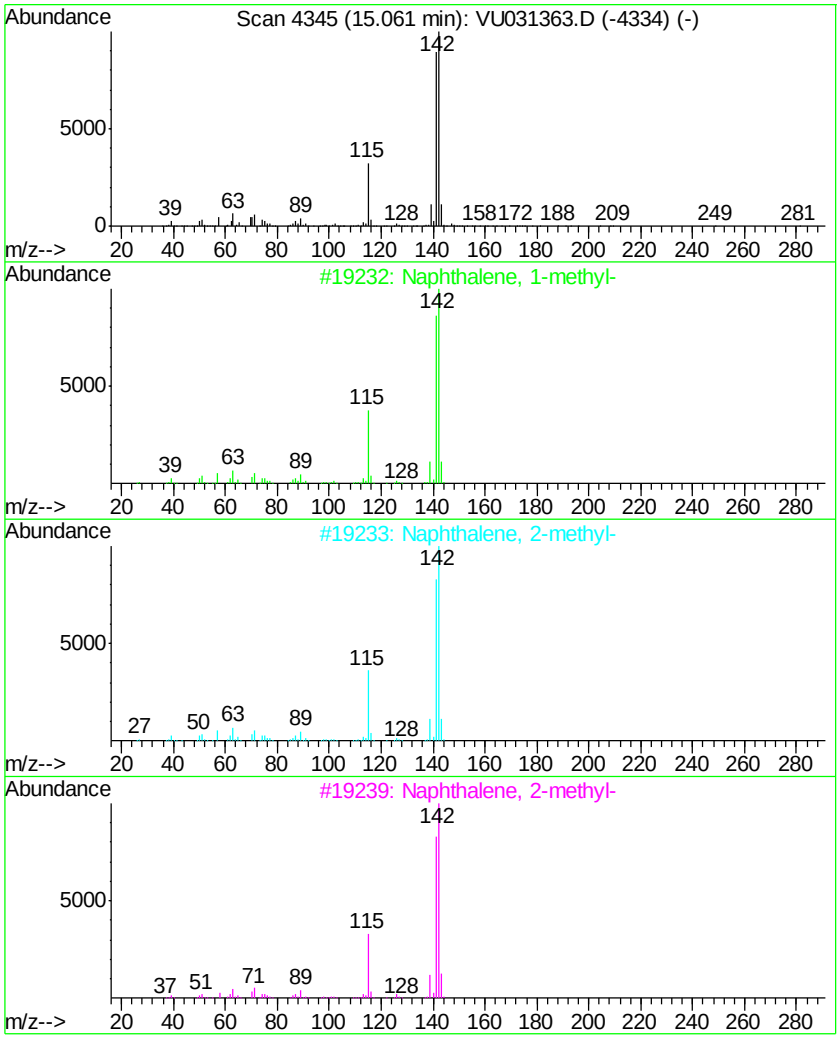
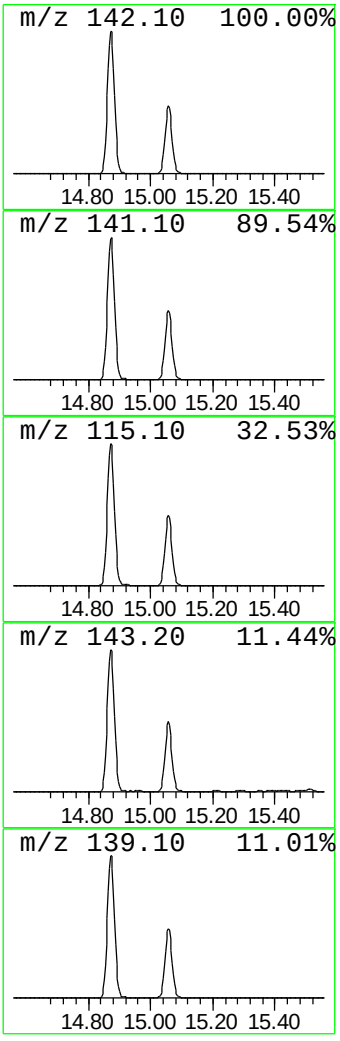
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	163.33 ug/L	6259830	1,4-Dichlorobenzene-d4	11.49

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





Library Search Compound Report

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Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

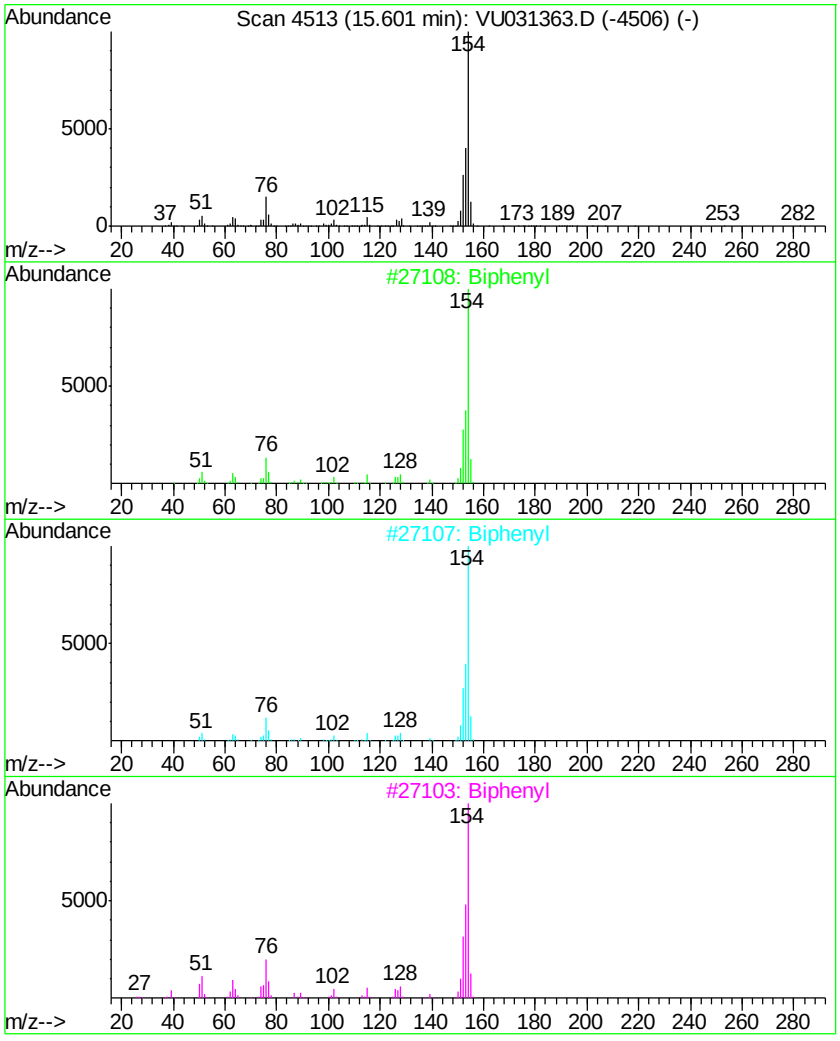
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

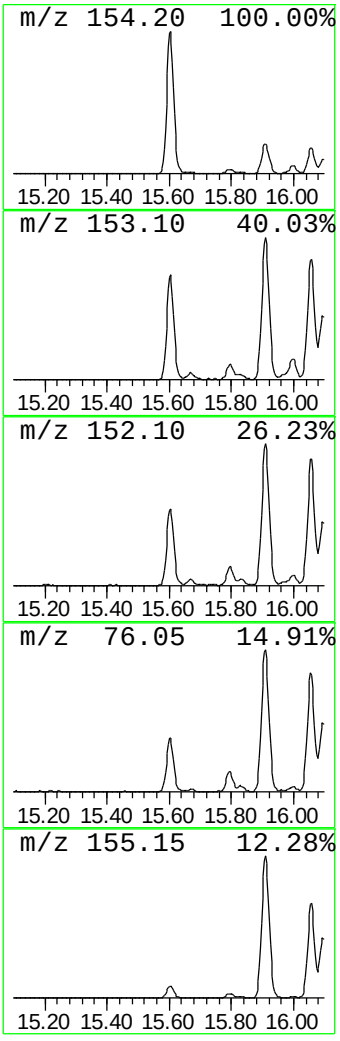
****

Peak Number 13 Biphenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	28.60 ug/L	1096120	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	93
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	91
5	Biphenyl	154	C12H10	000092-52-4	76





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Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

****

Peak Number 14 Naphthalene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	30.01 ug/L	1150060	1,4-Dichlorobenzene-d4	11.49

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	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
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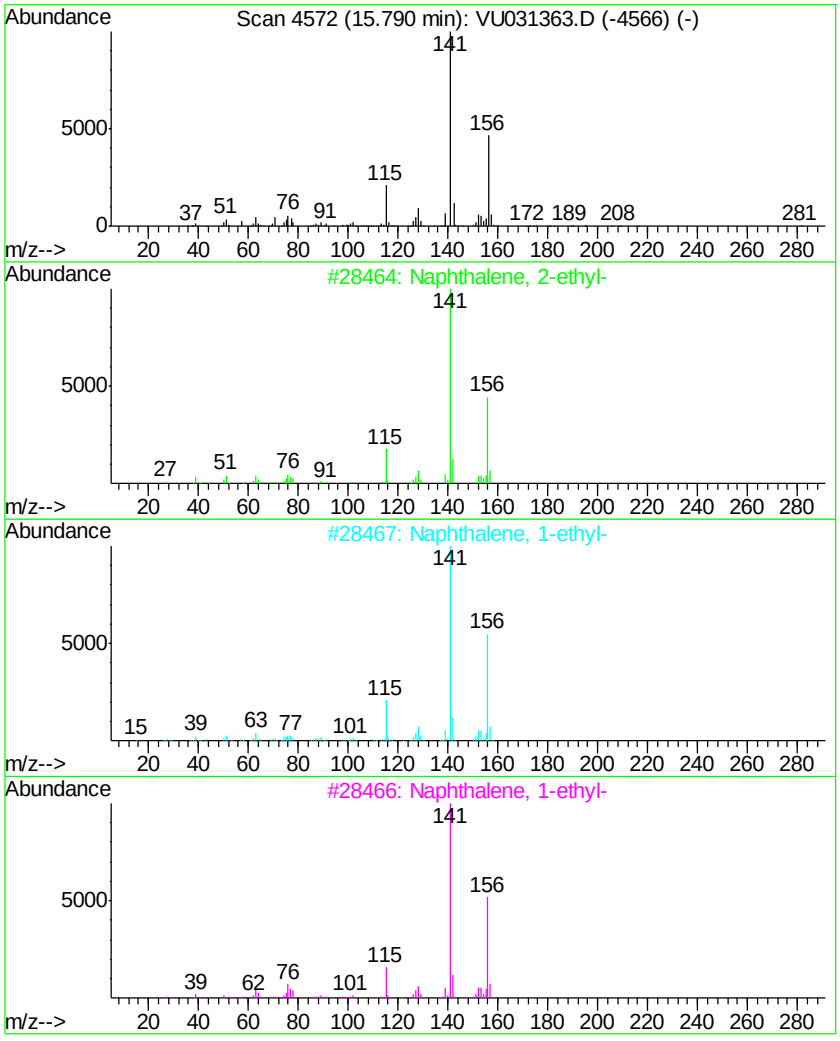

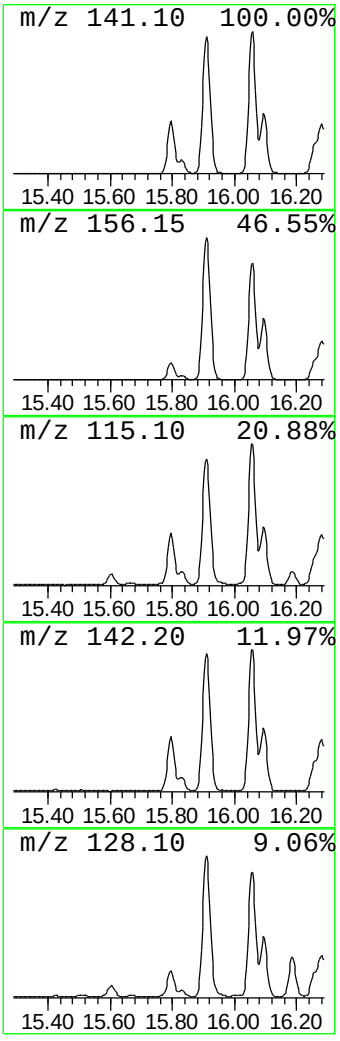

Library Search Compound Report

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Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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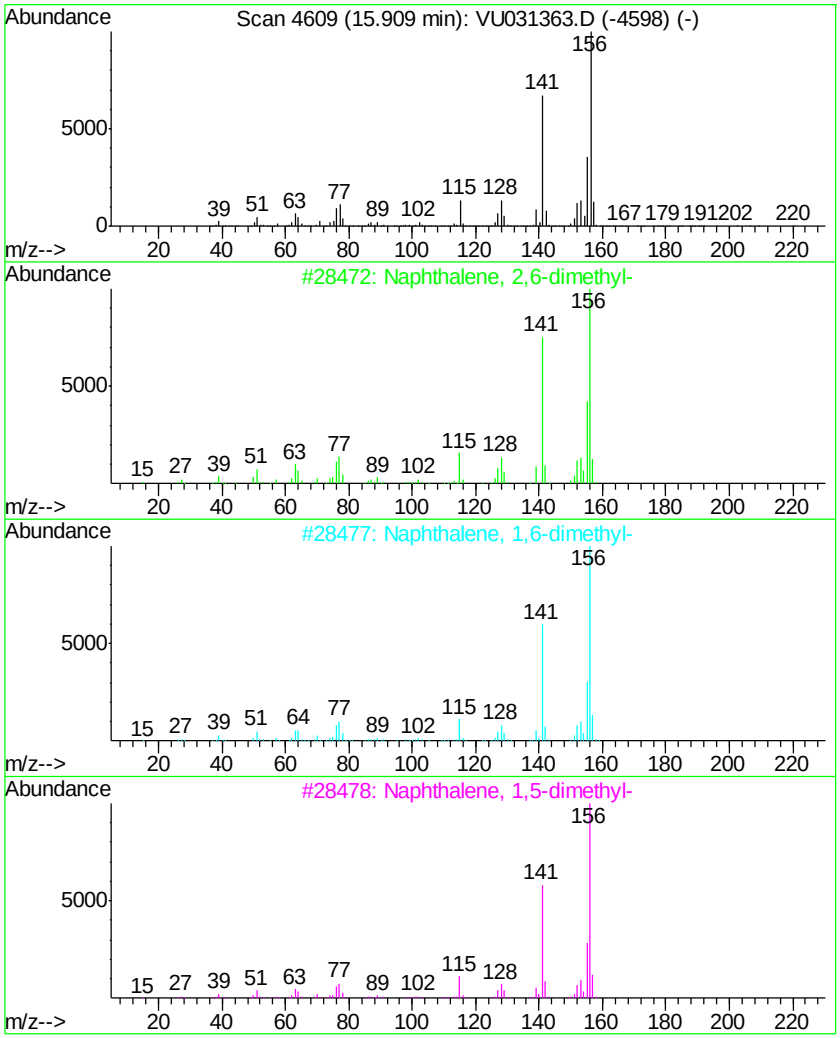
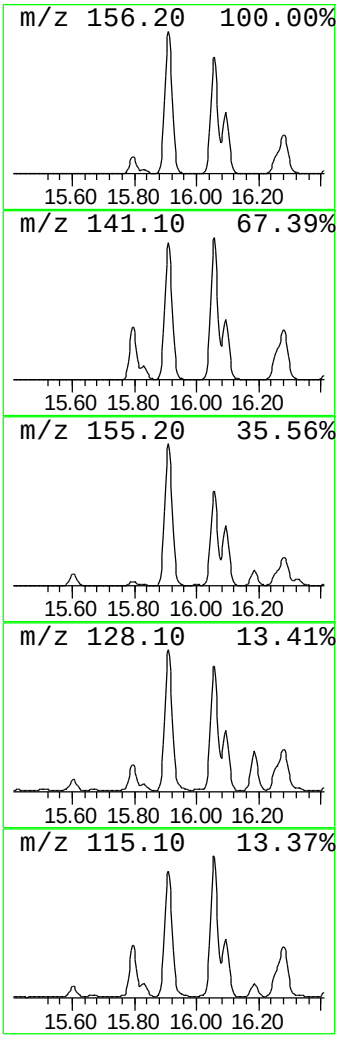
Peak Number 15 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	197.96 ug/L	7587090	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

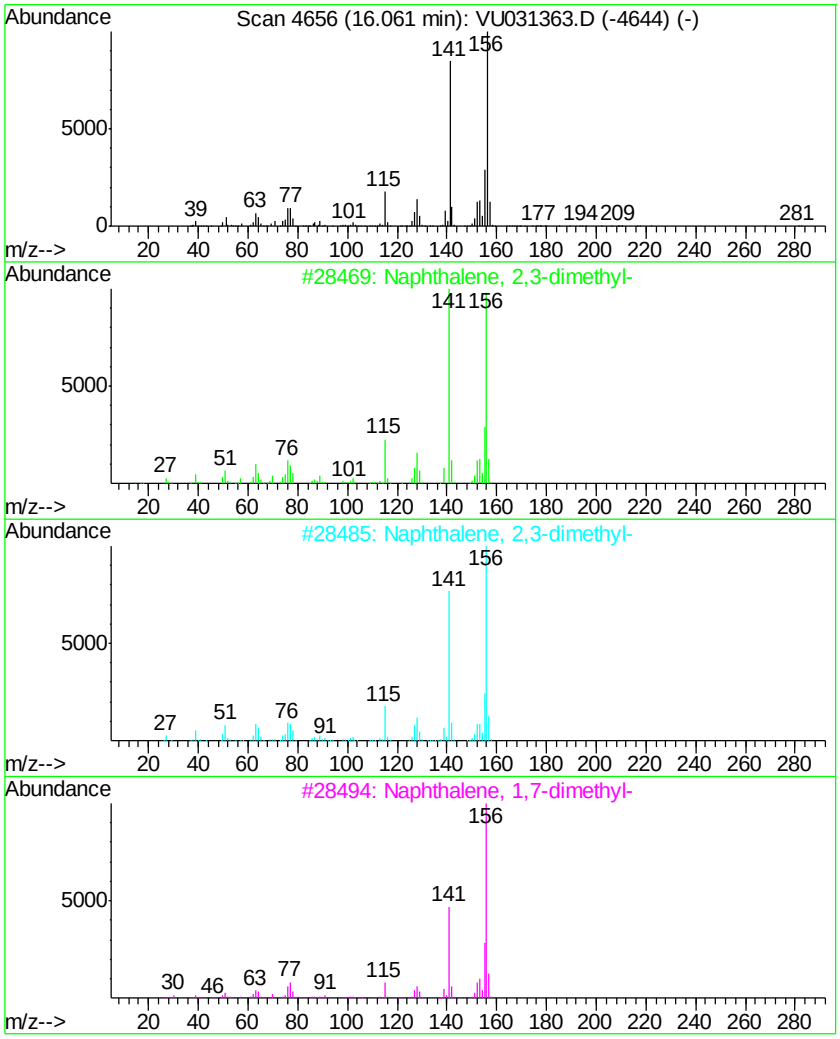
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

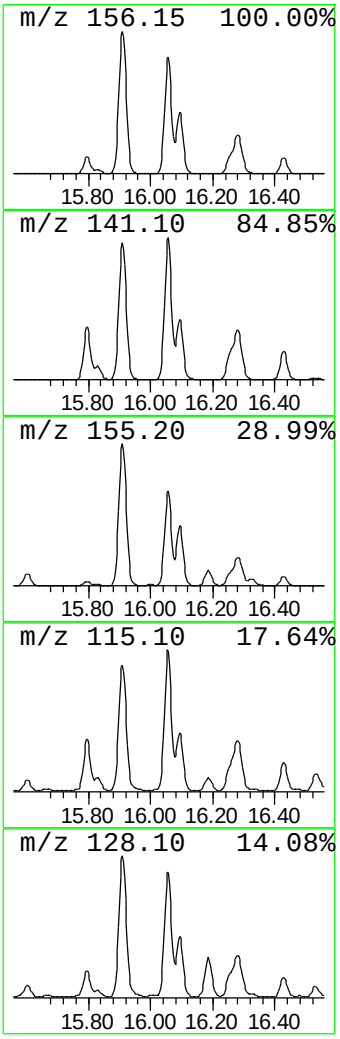
****

Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	158.90 ug/L	6090160	1,4-Dichlorobenzene-d4	11.49

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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

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Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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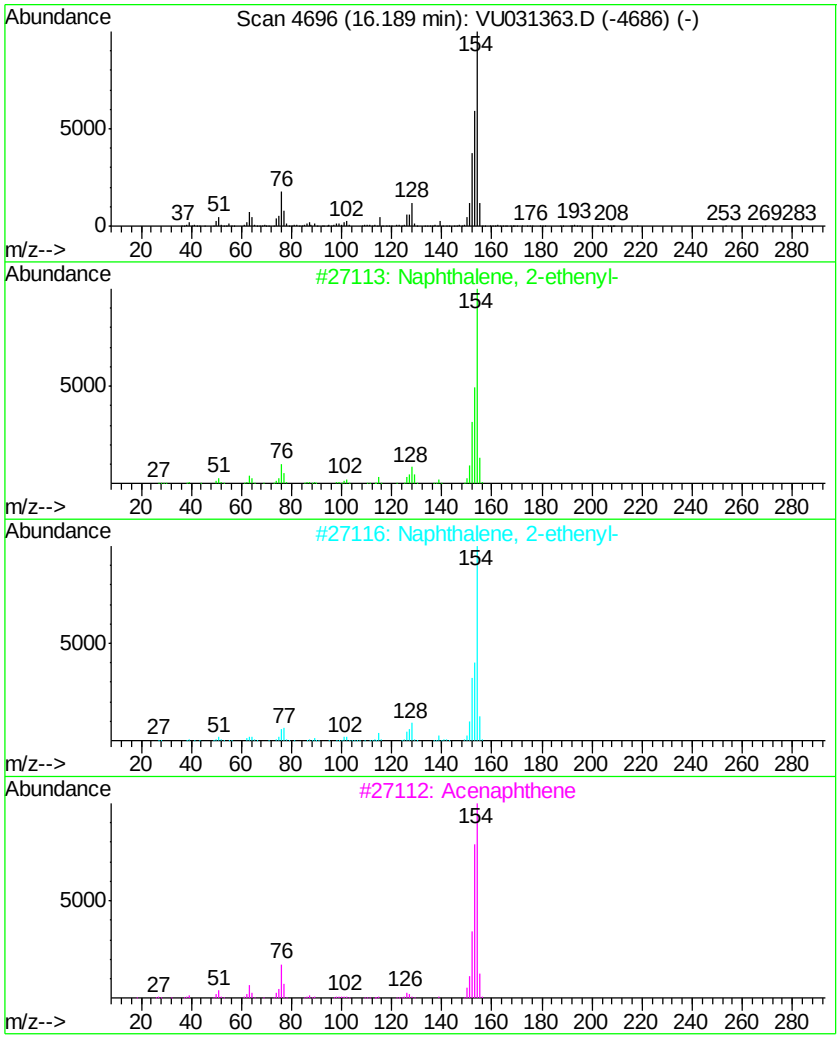
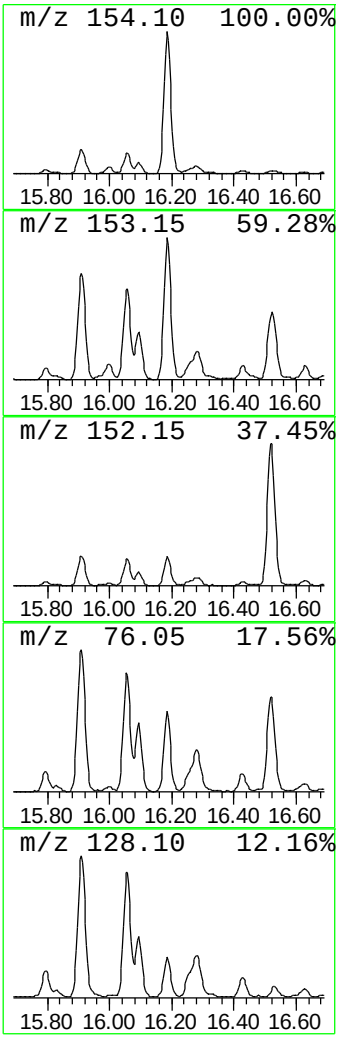
Peak Number 18 Naphthalene, 2-ethenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	47.39 ug/L	1816450	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	94
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
3	Acenaphthene	154	C12H10	000083-32-9	93
4	Biphenyl	154	C12H10	000092-52-4	93
5	Biphenyl	154	C12H10	000092-52-4	76





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Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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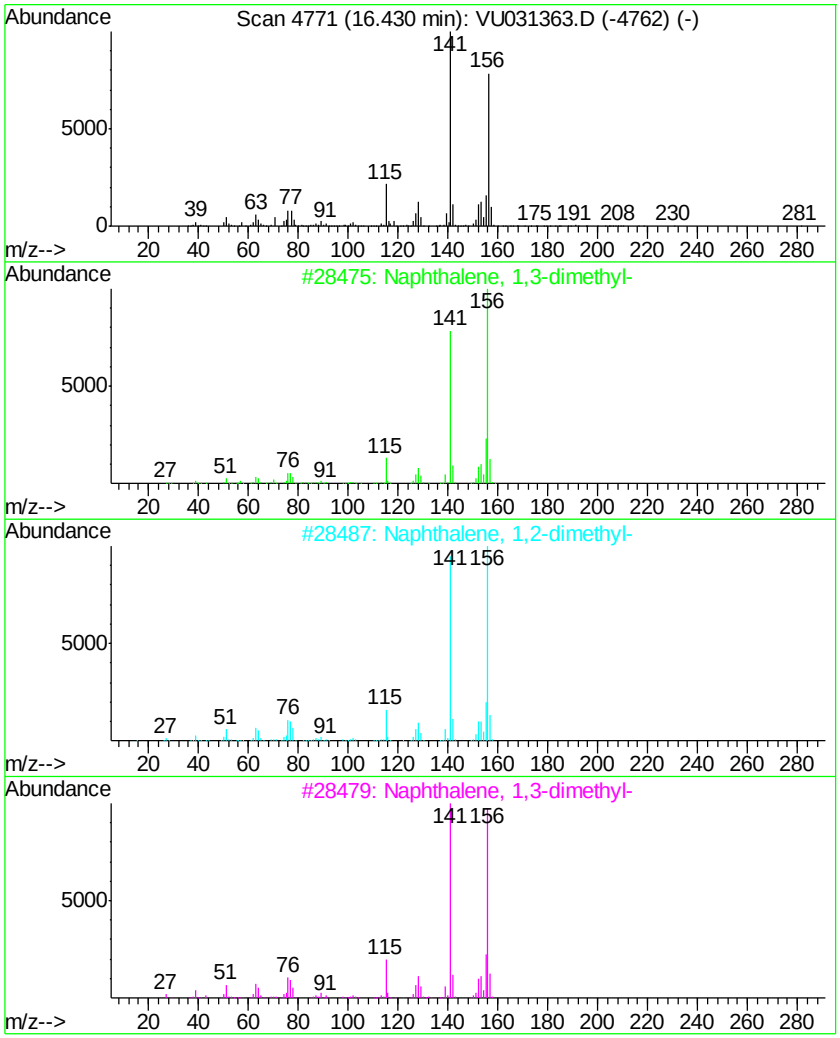
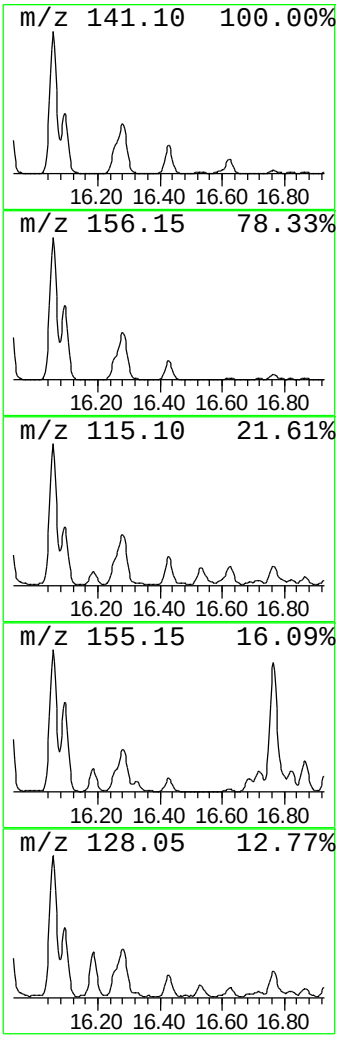
Peak Number 20 Naphthalene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	24.26 ug/L	929620	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95





Library Search Compound Report

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Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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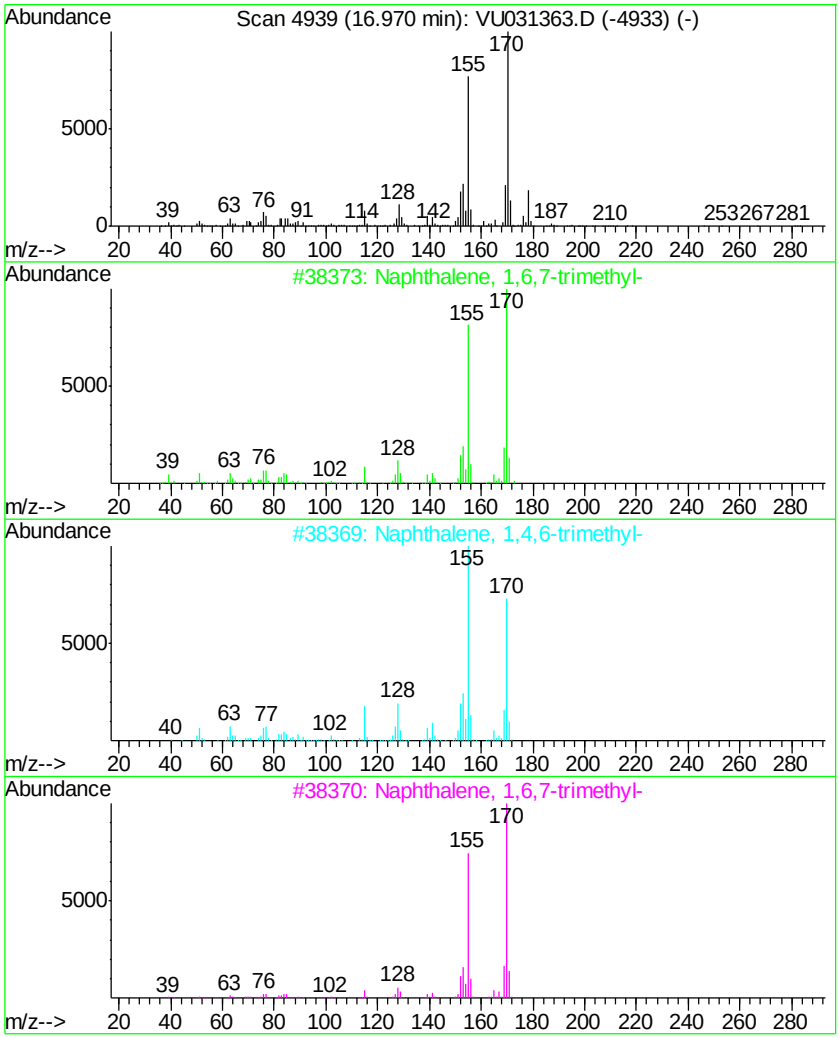
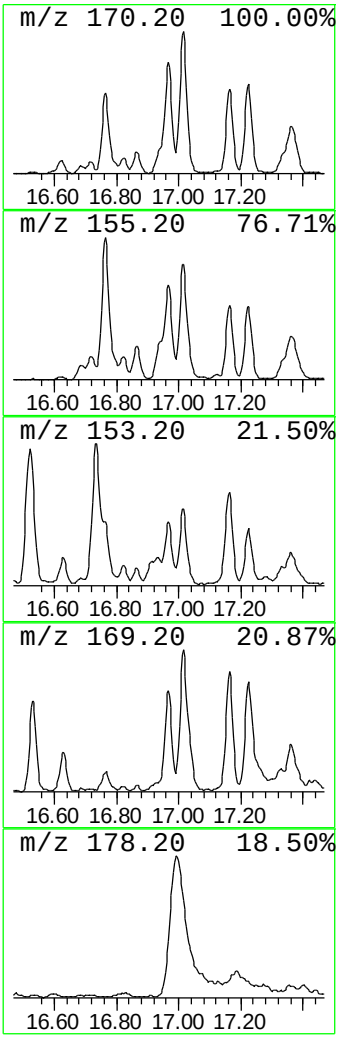
Peak Number 22 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	19.37 ug/L	742252	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

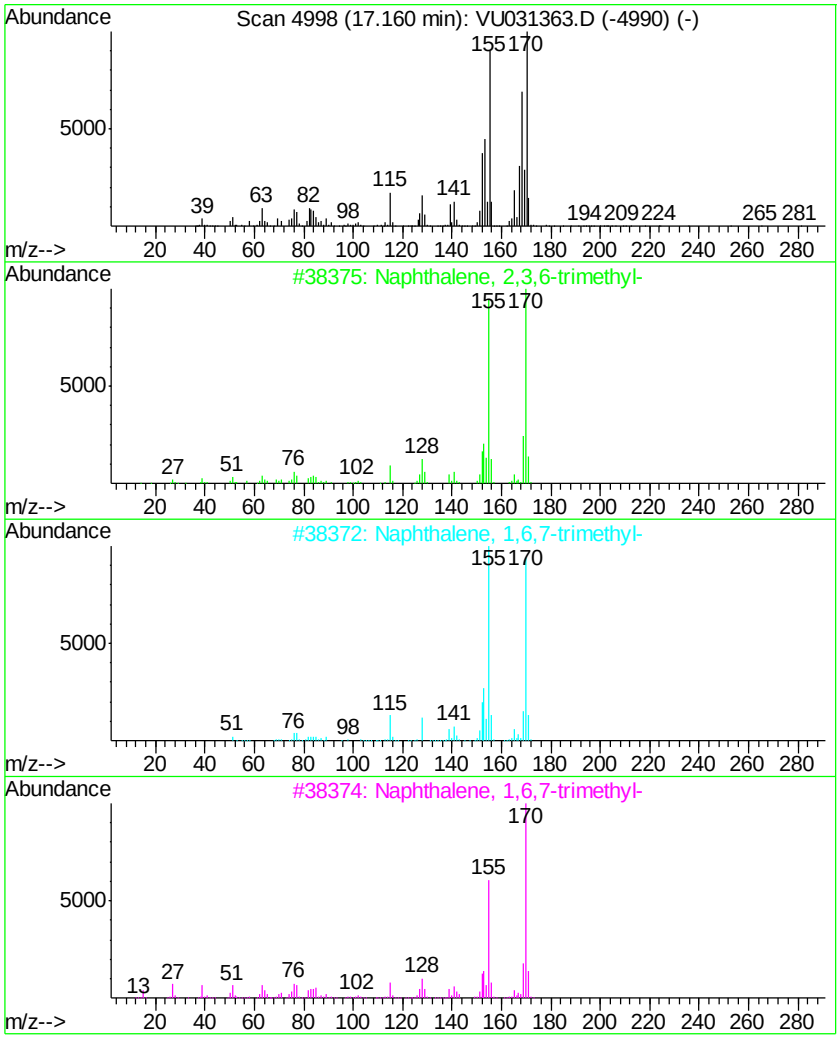
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

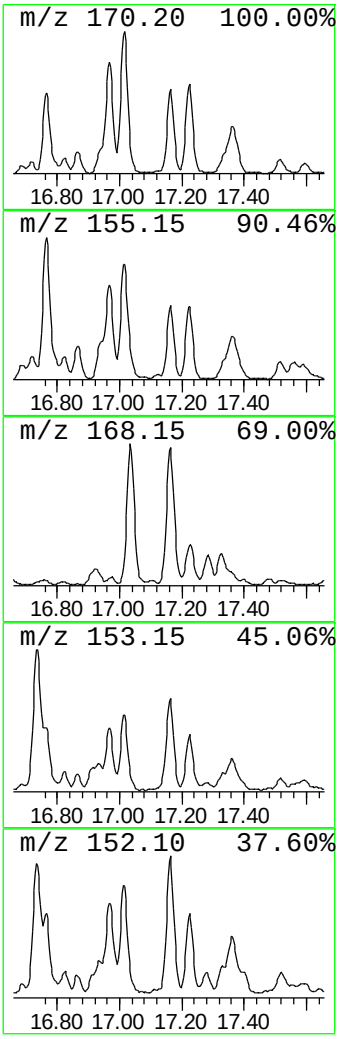
****

Peak Number 24 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	35.84 ug/L	1373450	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	78
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031363.D
Acq On : 19 Apr 2019 16:48
Operator : JC/SP
Sample : K2455-03
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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
Benzene, 1,2,3-tr...	11.15	4.1	ug/L	157930	3	11.49	1916300	50.0
Benzene, 1-etheny...	11.22	4.3	ug/L	164895	3	11.49	1916300	50.0
Indene	11.98	9.1	ug/L	348943	3	11.49	1916300	50.0
Benzene, 1,2,3,5-...	12.70	3.9	ug/L	149087	3	11.49	1916300	50.0
(DEL) Alkane: Str...	13.12	8.8	ug/L	337194	3	11.49	1916300	50.0
1H-Indene, 3-methyl-	13.19	4.1	ug/L	158663	3	11.49	1916300	50.0
Benzene, 1-butynyl-	13.29	11.5	ug/L	439774	3	11.49	1916300	50.0
(DEL) Alkane: Str...	14.14	8.8	ug/L	336605	3	11.49	1916300	50.0
Naphthalene, 1-me...	15.06	163.3	ug/L	6259830	3	11.49	1916300	50.0
Biphenyl	15.60	28.6	ug/L	1096120	3	11.49	1916300	50.0
Naphthalene, 2-et...	15.79	30.0	ug/L	1150060	3	11.49	1916300	50.0
Naphthalene, 2,6-...	15.91	198.0	ug/L	7587090	3	11.49	1916300	50.0
Naphthalene, 2,3-...	16.06	158.9	ug/L	6090160	3	11.49	1916300	50.0
Naphthalene, 2-et...	16.19	47.4	ug/L	1816450	3	11.49	1916300	50.0
Naphthalene, 1,3-...	16.43	24.3	ug/L	929620	3	11.49	1916300	50.0
Naphthalene, 1,6,...	16.97	19.4	ug/L	742252	3	11.49	1916300	50.0
Naphthalene, 2,3,...	17.16	35.8	ug/L	1373450	3	11.49	1916300	50.0