LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

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\SOMULM032319WMA.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	1.174	23	26	33	rVB	14018	11830	0.03%	0.004%
2	1.392	87	94	107	rVB	216162	236865	0.59%	0.083%
3	1.637	167	170	180	rVB	160438	156745	0.39%	0.055%
4	2.241	348	358	371	rVB	359175	542971	1.34%	0.191%
5	2.418	411	413	416	rBV3	750	458	0.00%	0.000%
6	2.437	417	419	421	rBV2	842	498	0.00%	0.000%
7	2.579	461	463	467	rVB4	866	474	0.00%	0.000%
8	2.624	469	477	485	rBV3	3017	5295	0.01%	0.002%
9	2.685	488	496	501	rBV4	3519	4539	0.01%	0.002%
10	2.826	537	540	543	rBV3	827	499	0.00%	0.000%
11	2.842	543	545	547	rBV2	729	462	0.00%	0.000%
12	3.280	671	681	682	rBV6	1745	2258	0.01%	0.001%
13	3.331	694	697	700	rVB2	897	494	0.00%	0.000%
14	3.733	818	822	826	rVB2	751	616	0.00%	0.000%
15	3.897	870	873	879	rVB4	562	463	0.00%	0.000%
16	3.942	883	887	890	rBV4	521	590	0.00%	0.000%
17	4.132	941	946	947	rBV2	691	496	0.00%	0.000%
18	4.186	947	963	999	rBV	110902	366539	0.91%	0.129%
19	4.640	1087	1104	1124	rBV2	221683	544900	1.35%	0.192%
20	4.788	1147	1150	1153	rVB4	998	812	0.00%	0.000%
21	4.826	1158	1162	1164	rVB3	710	481	0.00%	0.000%
22	4.846	1164	1168	1170	rBV3	650	592	0.00%	0.000%
23	4.881	1173	1179	1181	rBV3	1131	1060	0.00%	0.000%
24	4.923	1190	1192	1194	rBV	862	499	0.00%	0.000%
25	4.961	1200	1204	1207	rBV5	932	803	0.00%	0.000%
26	5.064	1232	1236	1238	rBV3	928	636	0.00%	0.000%
27	5.112	1247	1251	1255	rBV2	644	558	0.00%	0.000%
28	5.202	1278	1279	1284	rVB2	845	580	0.00%	0.000%
29	5.235	1284	1289	1292	rBV	751	795	0.00%	0.000%
30	5.328	1296	1318	1340	rBV2	501220	1442917	3.57%	0.508%
31	5.601	1394	1403	1405	rBV5	2698	2839	0.01%	0.001%
32	5.688	1426	1430	1437	rVB5	1087	1054	0.00%	0.000%
33	5.878	1475	1489	1527	rBV	1036223	2169819	5.36%	0.763%
34	6.151	1572	1574	1577	rBV3	833	495	0.00%	0.000%

LSC Area Percent Report

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Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

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\SOMULM032319WMA.M
Title : VOC Analysis

35	6.167	1577	1579	1580	rBV	1164	528	0.00%	0.000%
36	6.244	1597	1603	1605	rBV3	3177	3007	0.01%	0.001%
37	6.325	1614	1628	1649	rBV	306340	647279	1.60%	0.228%
38	6.556	1695	1700	1704	rBV3	798	866	0.00%	0.000%
39	6.601	1709	1714	1718	rBV4	710	639	0.00%	0.000%
40	6.624	1718	1721	1728	rVB3	768	807	0.00%	0.000%
41	6.662	1728	1733	1735	rBV3	880	698	0.00%	0.000%
42	6.891	1798	1804	1805	rBV4	1801	1510	0.00%	0.001%
43	6.958	1823	1825	1830	rVB4	1012	708	0.00%	0.000%
44	7.106	1868	1871	1876	rVB4	684	583	0.00%	0.000%
45	7.154	1881	1886	1887	rBV2	867	646	0.00%	0.000%
46	7.225	1896	1908	1930	rBV	161994	322939	0.80%	0.114%
47	7.559	1992	2012	2035	rBV	587422	1080069	2.67%	0.380%
48	7.849	2087	2102	2119	rBV2	111968	217383	0.54%	0.076%
49	8.038	2158	2161	2170	rVB6	1775	2108	0.01%	0.001%
50	8.164	2194	2200	2202	rBV3	1633	1708	0.00%	0.001%
51	8.222	2215	2218	2224	rVB5	1879	1693	0.00%	0.001%
52	8.318	2235	2248	2274	rBV	432454	823660	2.04%	0.290%
53	8.598	2332	2335	2344	rVB6	3911	4812	0.01%	0.002%
54	8.640	2344	2348	2353	rBV2	4757	4262	0.01%	0.001%
55	8.743	2377	2380	2382	rBV	1370	945	0.00%	0.000%
56	8.807	2394	2400	2403	rBV4	4425	5121	0.01%	0.002%
57	9.025	2457	2468	2475	rBV6	4231	6966	0.02%	0.002%
58	9.087	2475	2487	2528	rBV	1577737	2730269	6.75%	0.960%
59	9.402	2577	2585	2591	rBV4	13201	20229	0.05%	0.007%
60	9.556	2625	2633	2635	rBV7	2879	2903	0.01%	0.001%
61	9.607	2646	2649	2653	rVB4	929	561	0.00%	0.000%
62	9.646	2655	2661	2667	rBV6	2206	2902	0.01%	0.001%
63	9.714	2668	2682	2691	rBV10	17000	35936	0.09%	0.013%
64	9.948	2736	2755	2765	rBV5	34331	71836	0.18%	0.025%
65	10.042	2776	2784	2792	rBV3	30068	46823	0.12%	0.016%
66	10.154	2813	2819	2829	rVB9	6013	10466	0.03%	0.004%
67	10.373	2880	2887	2893	rBV8	6075	8160	0.02%	0.003%
68	10.431	2893	2905	2917	rBV	459660	753619	1.86%	0.265%
69	10.633	2961	2968	2978	rVB10	8545	15576	0.04%	0.005%
70	10.749	2996	3004	3013	rBV3	27132	45787	0.11%	0.016%
71	10.926	3055	3059	3066	rBV6	4533	6441	0.02%	0.002%

LSC Area Percent Report

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Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

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\SOMULM032319WMA.M
Title : VOC Analysis

72	11.267	3161	3165	3172	rBV9	8652	10731	0.03%	0.004%
73	11.392	3197	3204	3213	rBV4	28190	43426	0.11%	0.015%
74	11.482	3221	3232	3255	rVB	1773464	2777198	6.86%	0.977%
75	11.858	3338	3349	3372	rBV	675914	1151743	2.85%	0.405%
76	12.508	3539	3551	3571	rVB5	376179	782883	1.93%	0.275%
77	12.611	3574	3583	3588	rBV4	252805	436555	1.08%	0.154%
78	12.720	3608	3617	3629	rBV4	634153	1109562	2.74%	0.390%
79	12.784	3632	3637	3654	rVB5	216713	404452	1.00%	0.142%
80	12.877	3658	3666	3675	rBV2	375281	727180	1.80%	0.256%
81	13.119	3735	3741	3748	rBV4	1019739	1518353	3.75%	0.534%
82	13.405	3823	3830	3837	rBV3	1290497	1975854	4.88%	0.695%
83	13.508	3853	3862	3869	rBV	4115107	6124465	15.13%	2.154%
84	13.726	3920	3930	3941	rBV6	6018566	10753467	26.57%	3.783%
85	13.787	3942	3949	3958	rBV4	2492977	3804415	9.40%	1.338%
86	14.347	4109	4123	4134	rBV4	12250173	27223880	67.27%	9.576%
87	14.607	4197	4204	4215	rVB3	4352281	7247289	17.91%	2.549%
88	14.678	4217	4226	4241	rBV4	9280229	18166640	44.89%	6.390%
89	14.874	4276	4287	4296	rBV	23099783	40467812	100.00%	14.235%
90	14.929	4297	4304	4320	rVB2	12631849	22691877	56.07%	7.982%
91	15.006	4321	4328	4335	rBV2	4055014	6122329	15.13%	2.154%
92	15.061	4337	4345	4360	rBV2	12177832	23651906	58.45%	8.320%
93	15.797	4567	4574	4596	rVB	6272446	14084661	34.80%	4.954%
94	15.913	4598	4610	4622	rVB	20792850	37509030	92.69%	13.194%
95	16.061	4646	4656	4662	rBV	14752397	23463315	57.98%	8.254%
96	16.096	4663	4667	4683	rVB	10345290	14478275	35.78%	5.093%
97	16.176	4685	4692	4706	rVB2	1714331	3499457	8.65%	1.231%
98	16.765	4869	4875	4888	rVB	644704	1009716	2.50%	0.355%
99	17.163	4993	4999	5009	rVB	210704	317107	0.78%	0.112%
100	17.228	5011	5019	5027	rBV2	198794	345229	0.85%	0.121%

Sum of corrected areas: 284280184

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
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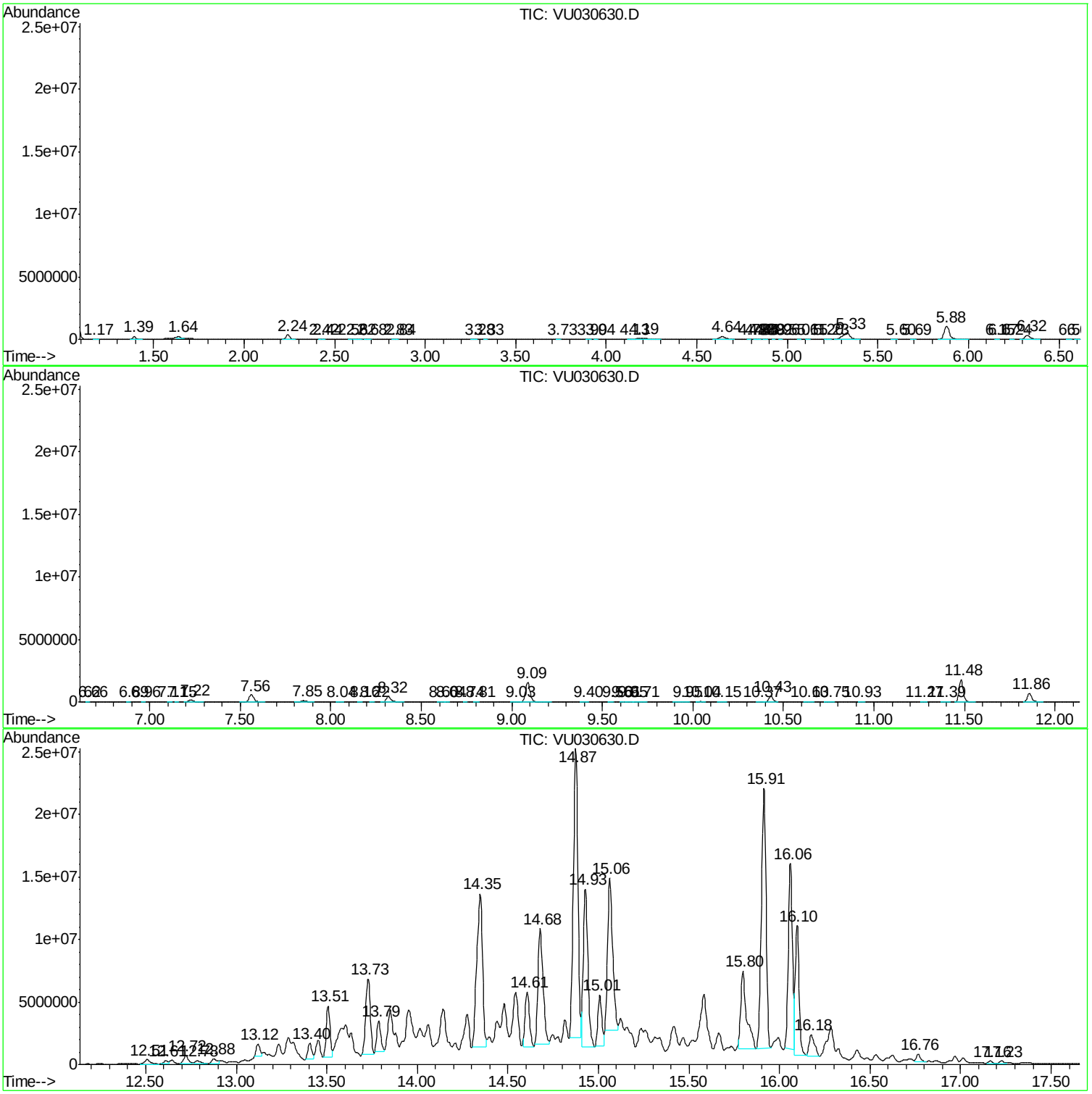
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
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Operator : JC/SP
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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

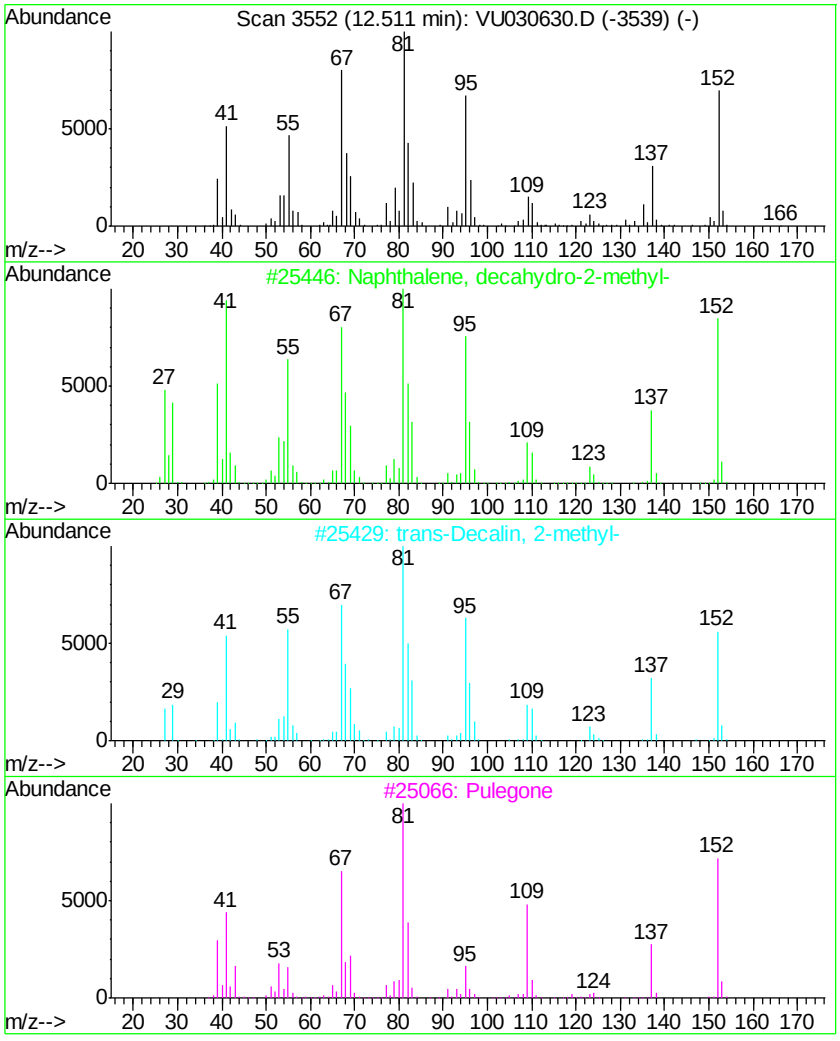
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

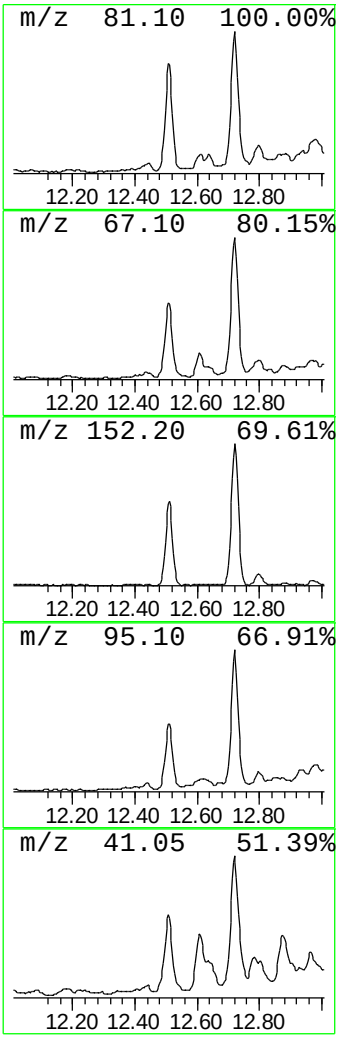
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	14.09 ug/L	782883	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	99
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3	Pulegone	152	C10H16O	000089-82-7	90
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	90
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
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Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

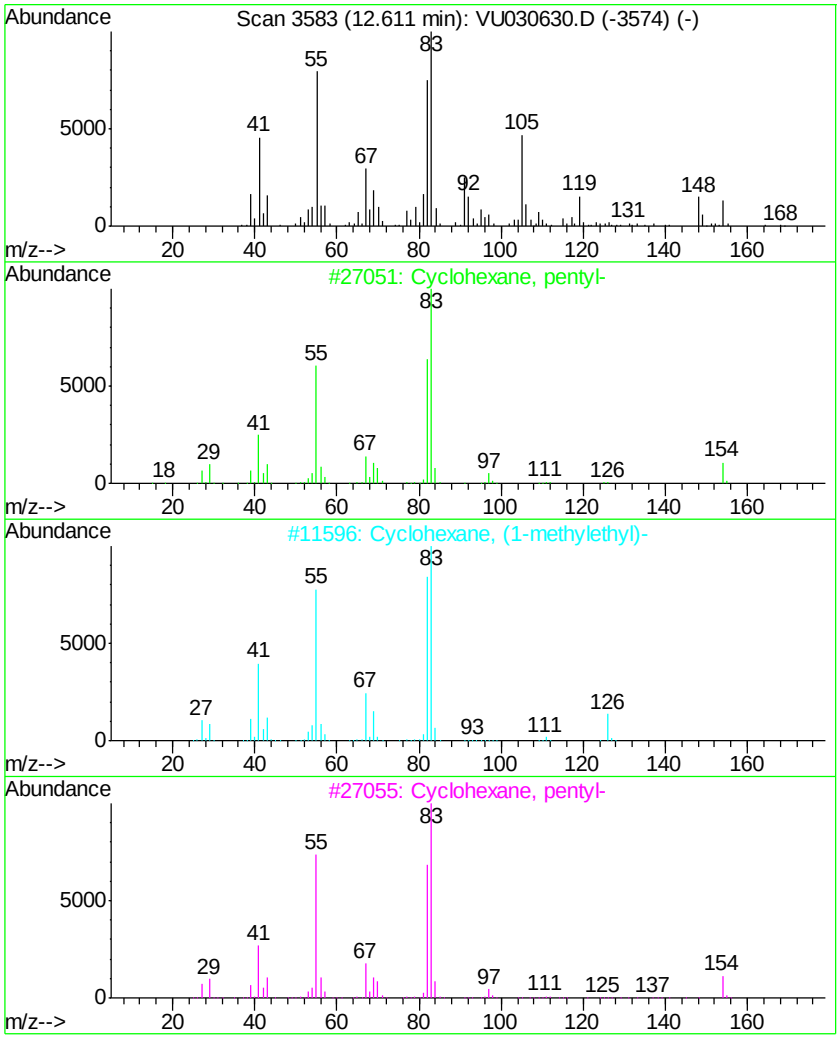
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

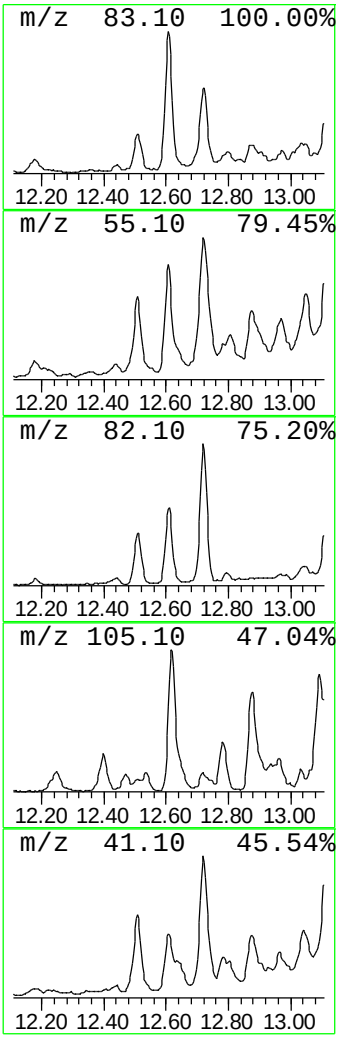
****

Peak Number 3 (DEL) Alkane: Cyclic12.61 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	7.86 ug/L	436555	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
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Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

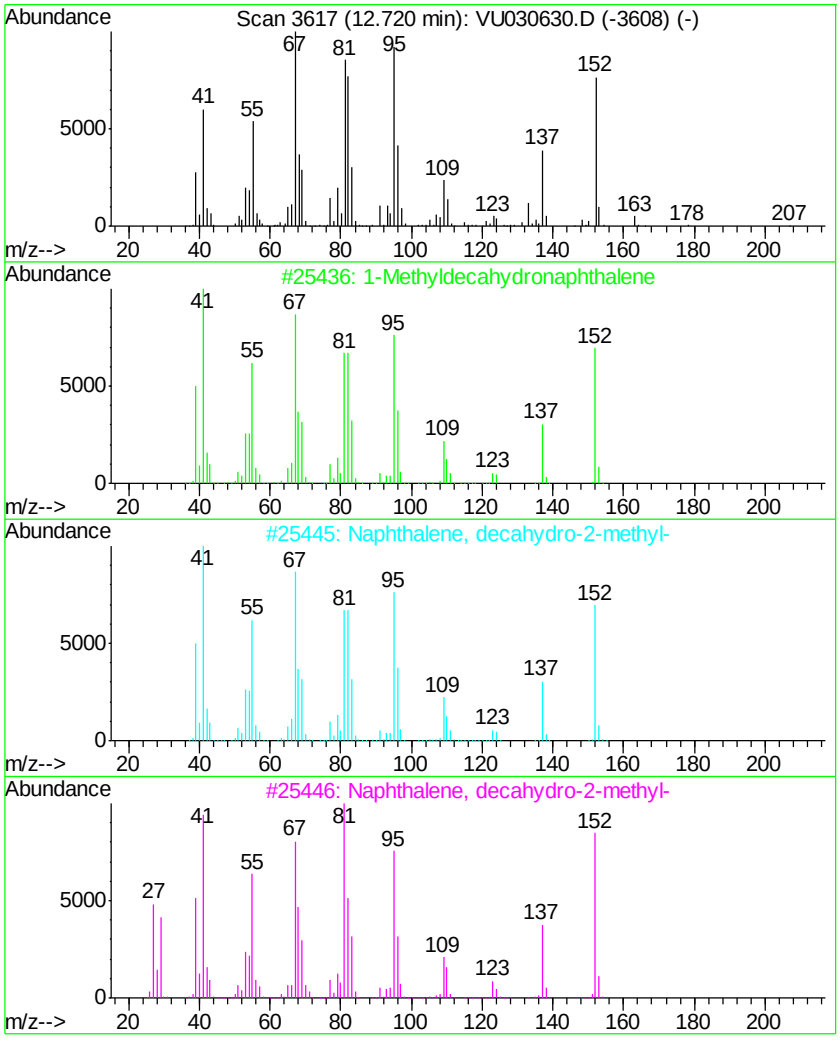
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

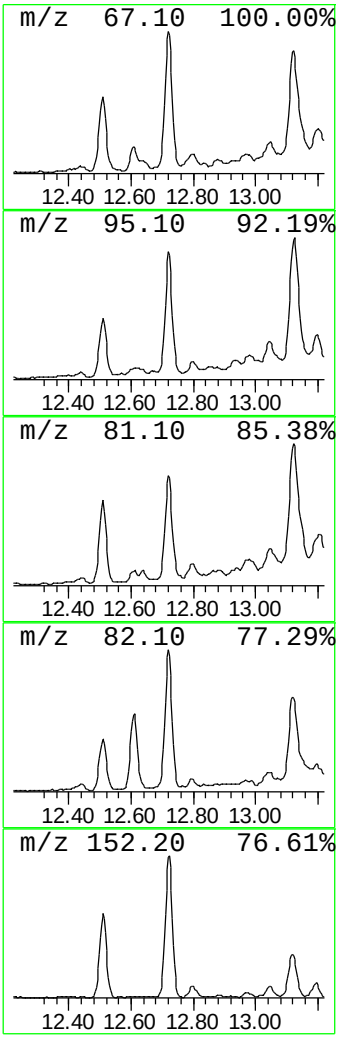
****

Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	19.98 ug/L	1109560	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83





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Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

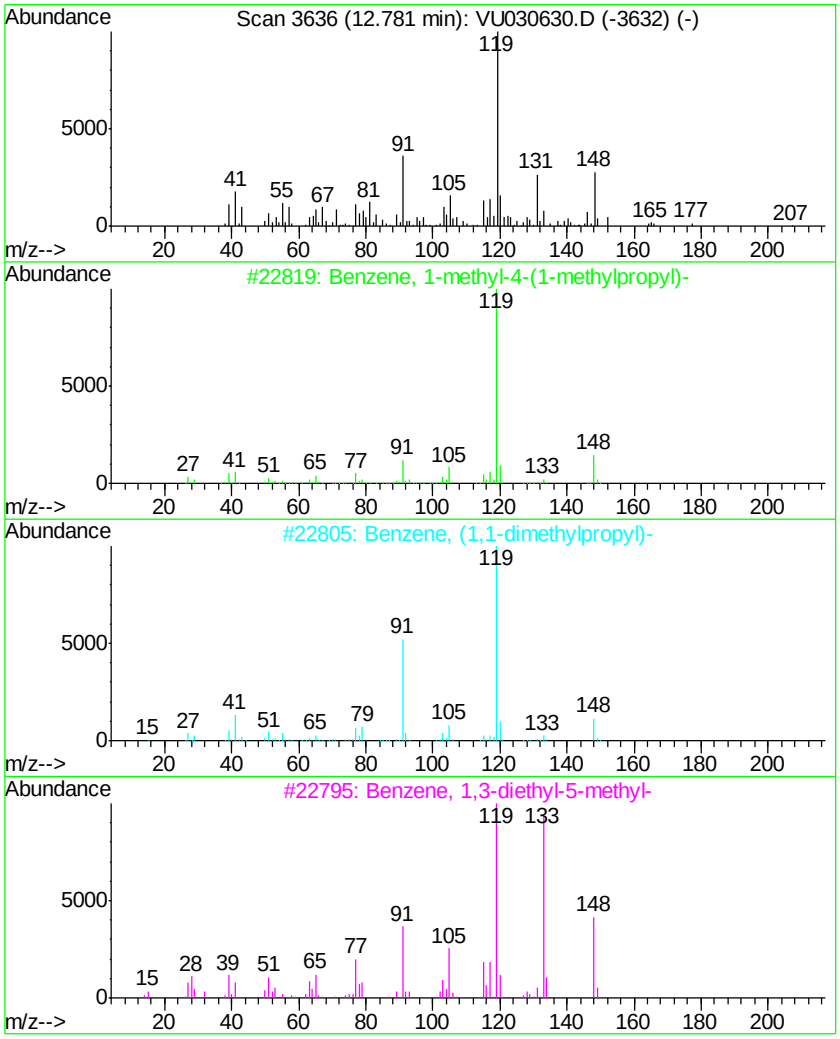
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

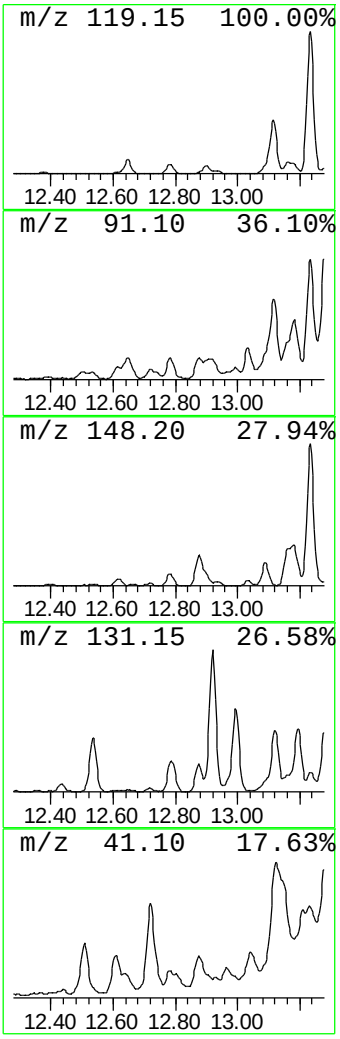
****

Peak Number 5 Benzene, 1-methyl-4-(1-meth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	7.28 ug/L	404452	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
5	3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	52





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
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Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

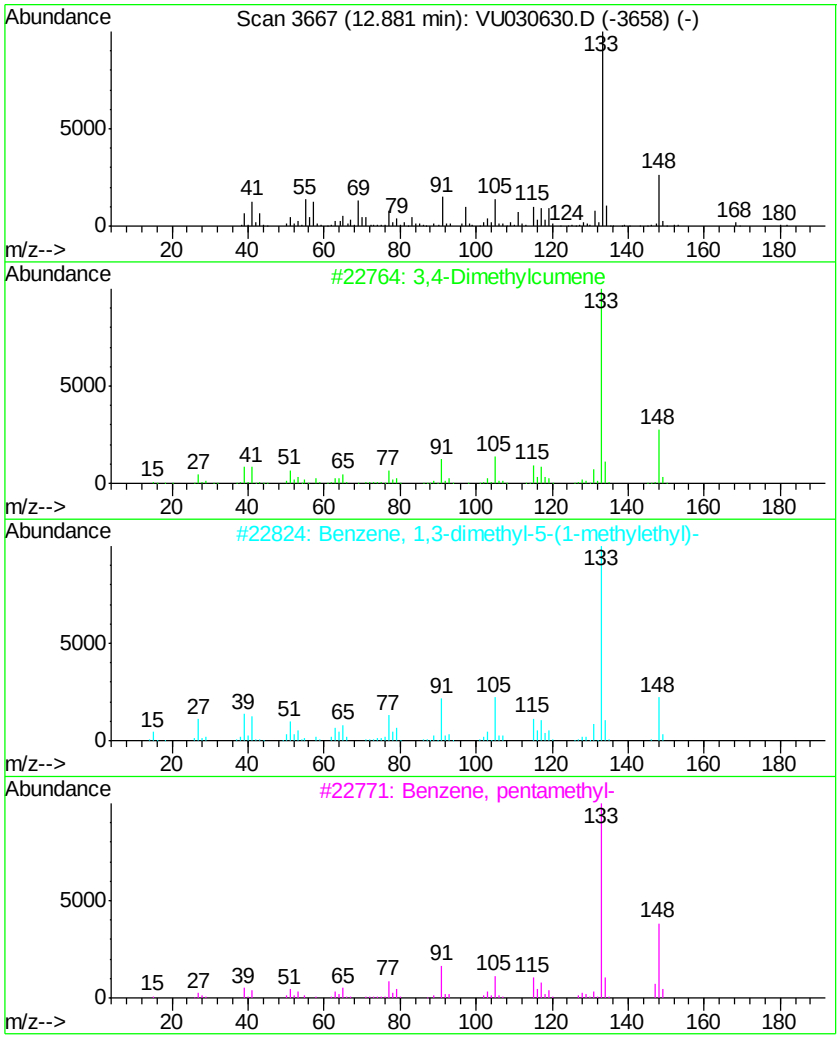
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

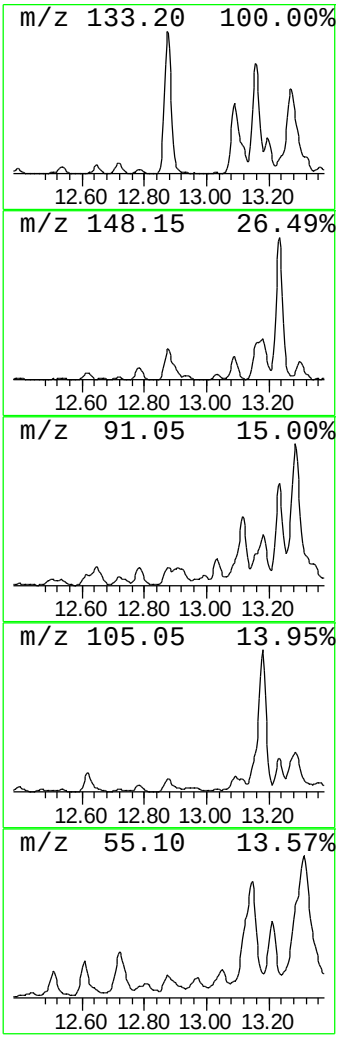
****

Peak Number 6 3,4-Dimethylcumene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	13.09 ug/L	727180	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	94
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	91
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

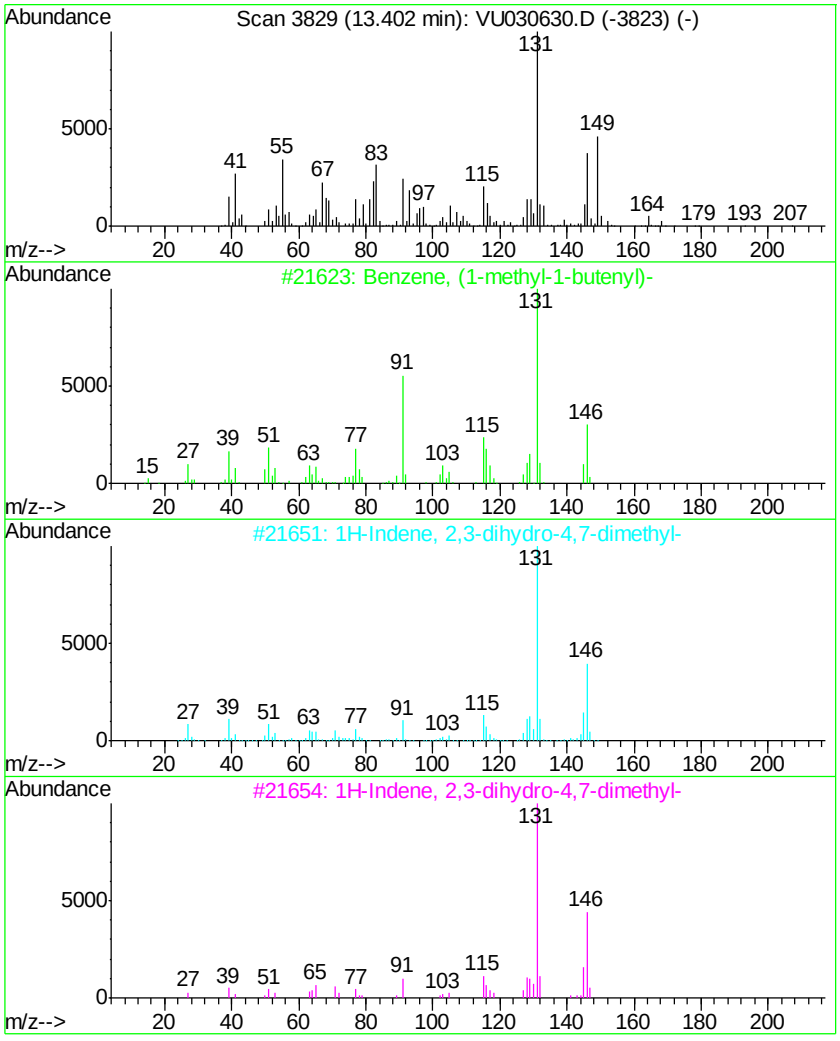
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

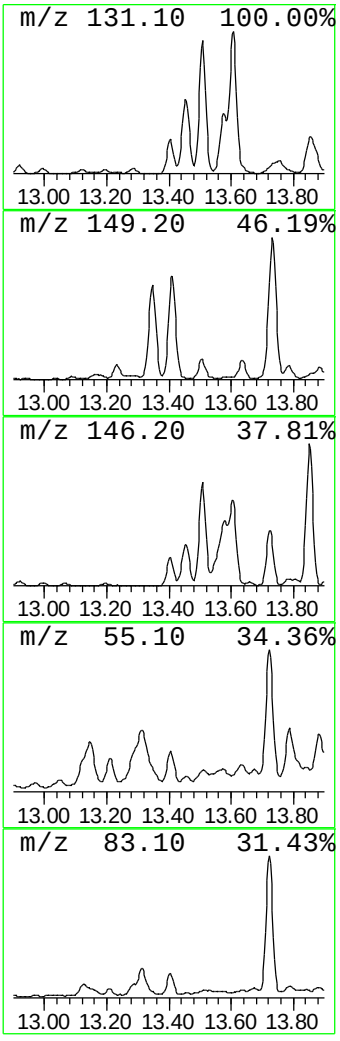
****

Peak Number 8 Benzene, (1-methyl-1-butenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	35.57 ug/L	1975850	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89





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Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

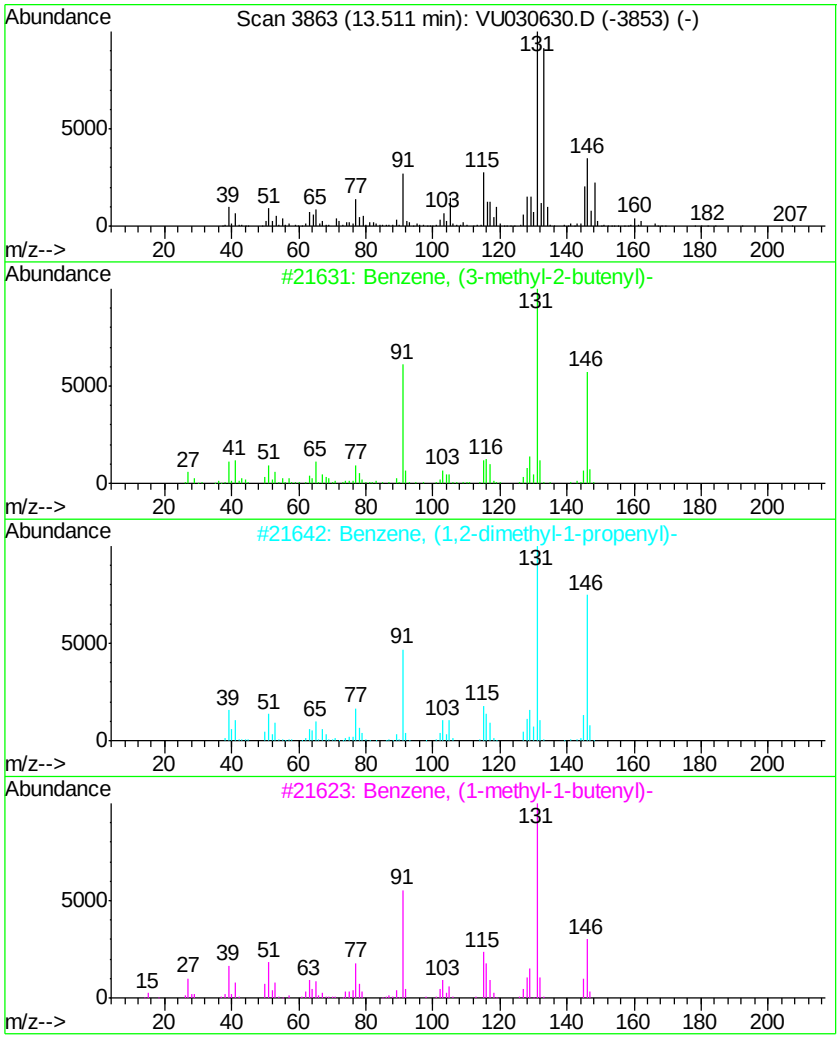
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

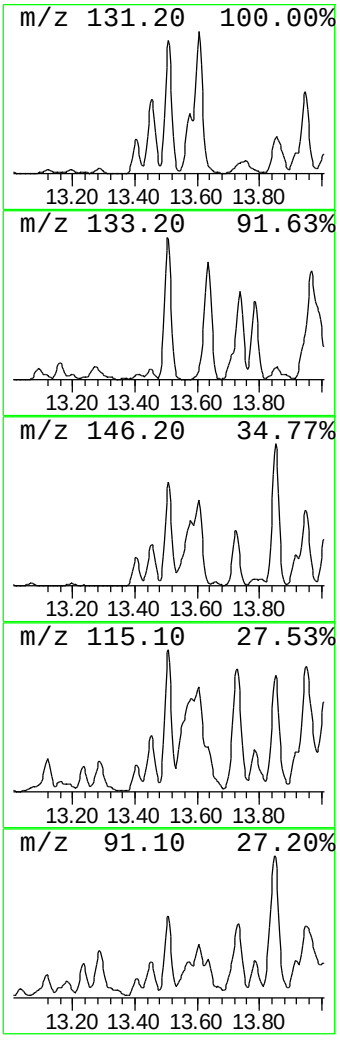
****

Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	110.26 ug/L	6124470	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





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Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

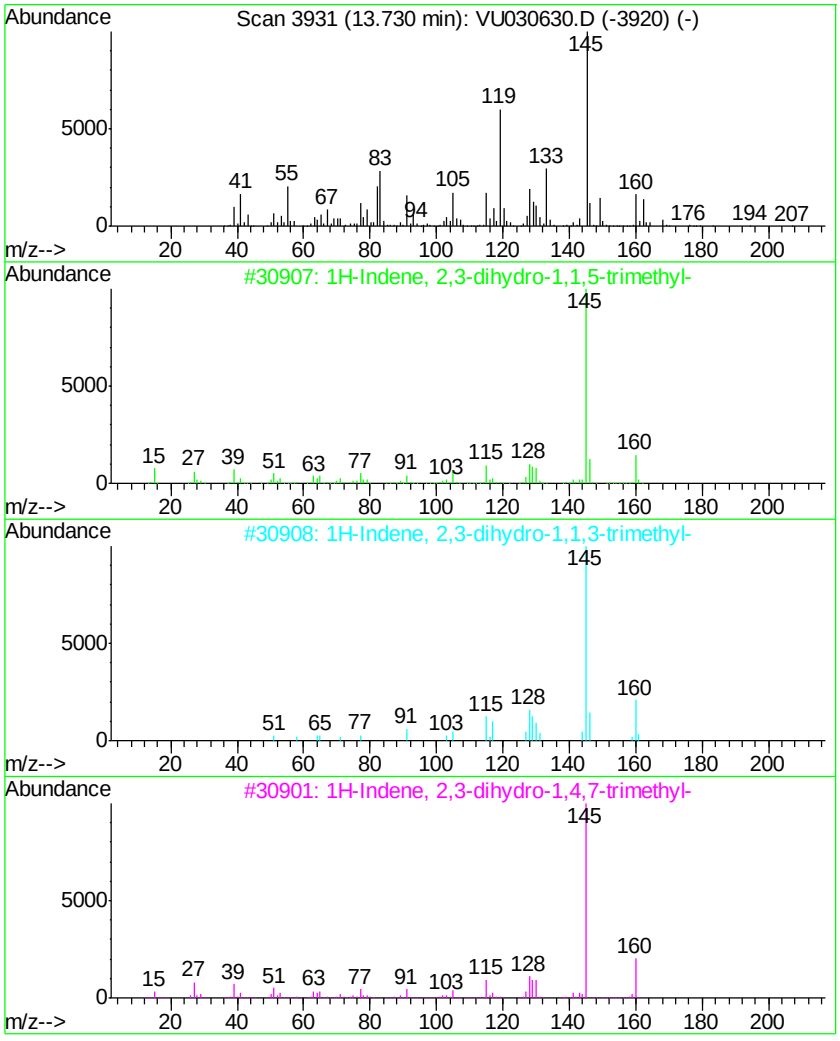
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

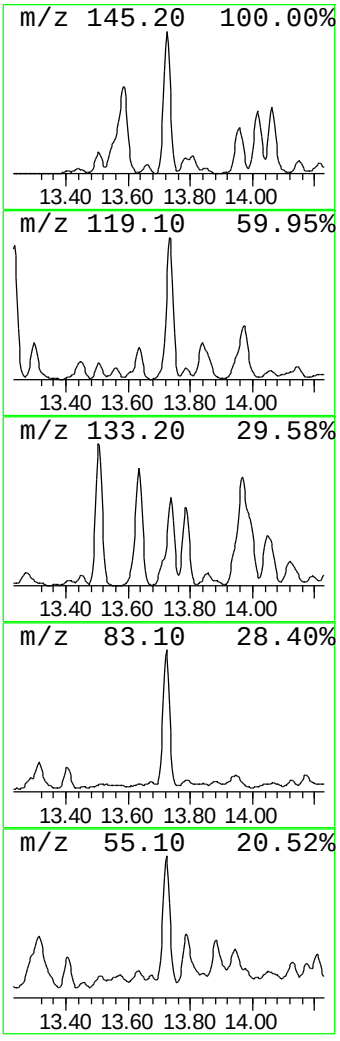
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	193.60 ug/L	10753500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	92
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	78
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70
4	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	70
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

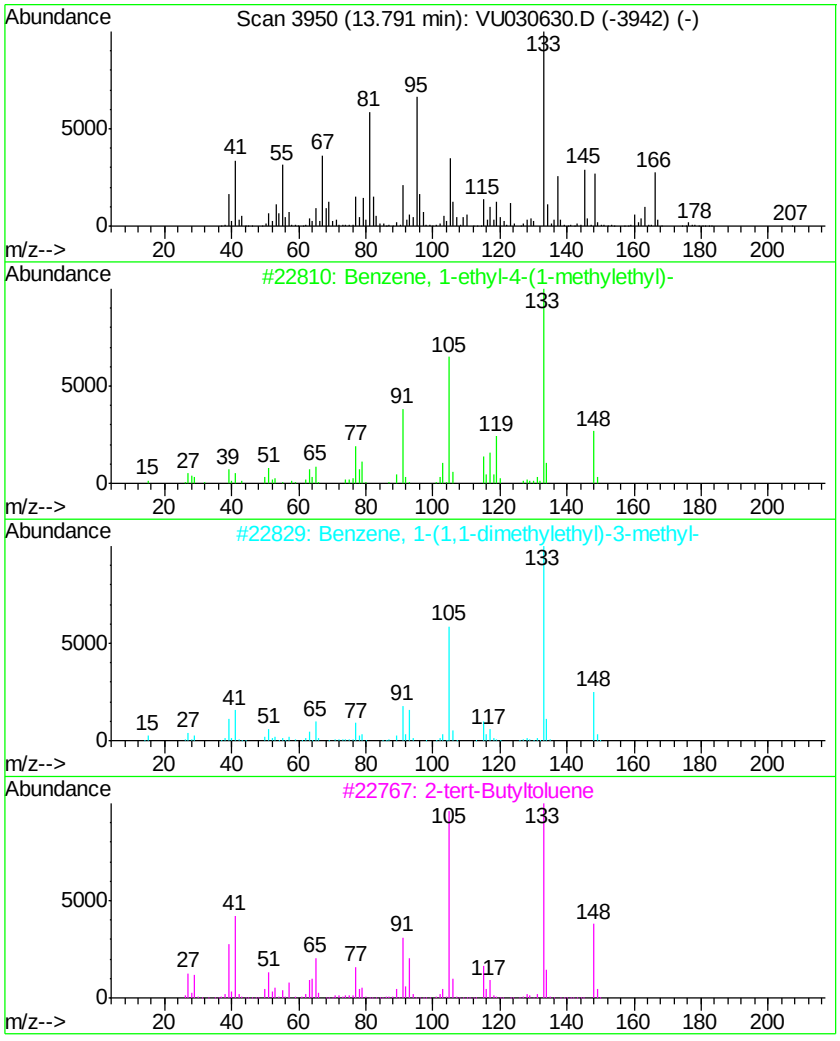
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

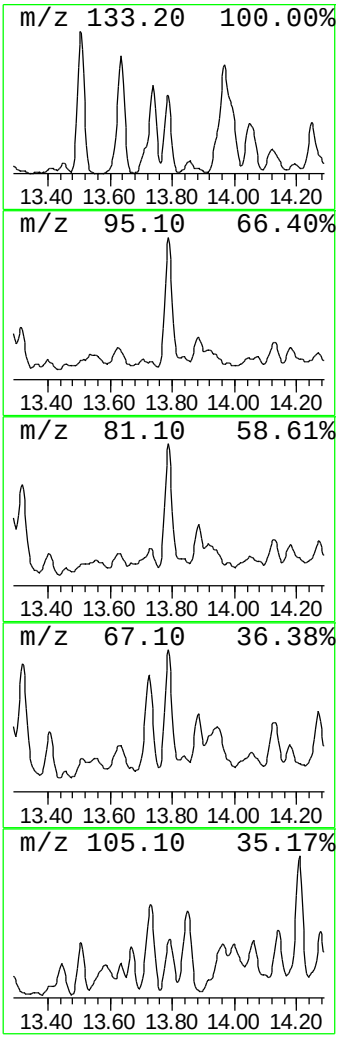
****

Peak Number 11 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	68.49 ug/L	3804420	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
2	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46
3	2-tert-Butyltoluene	148	C11H16	001074-92-6	41
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	41
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	41





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

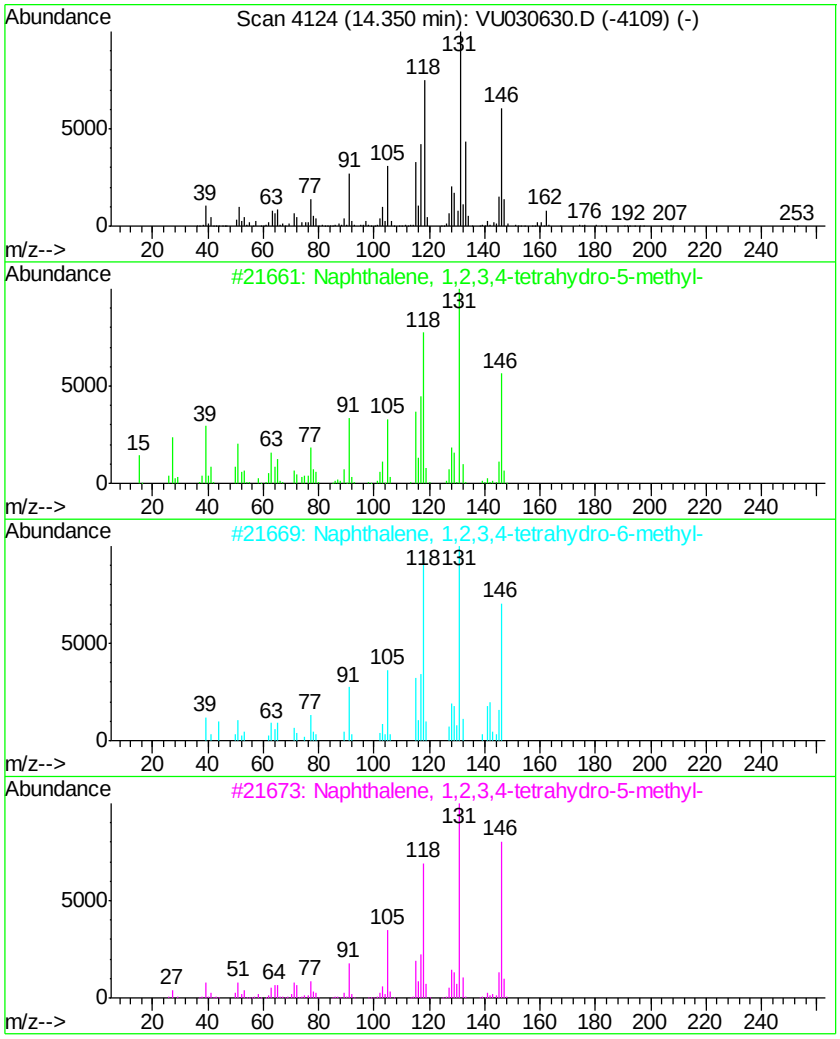
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

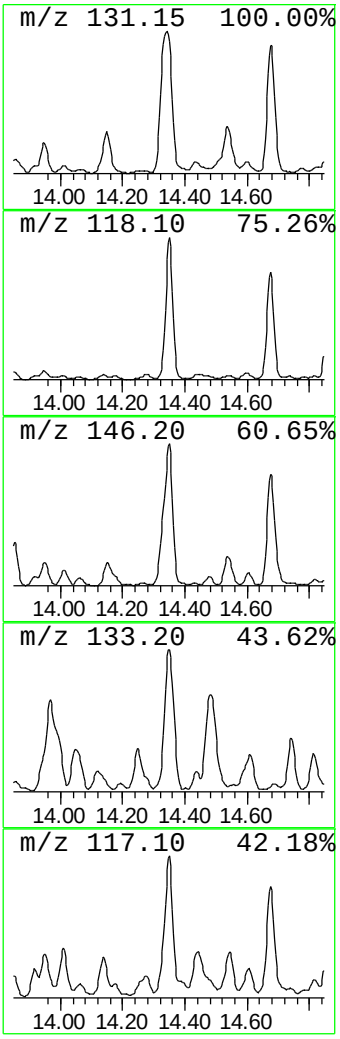
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	490.13 ug/L	27223900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

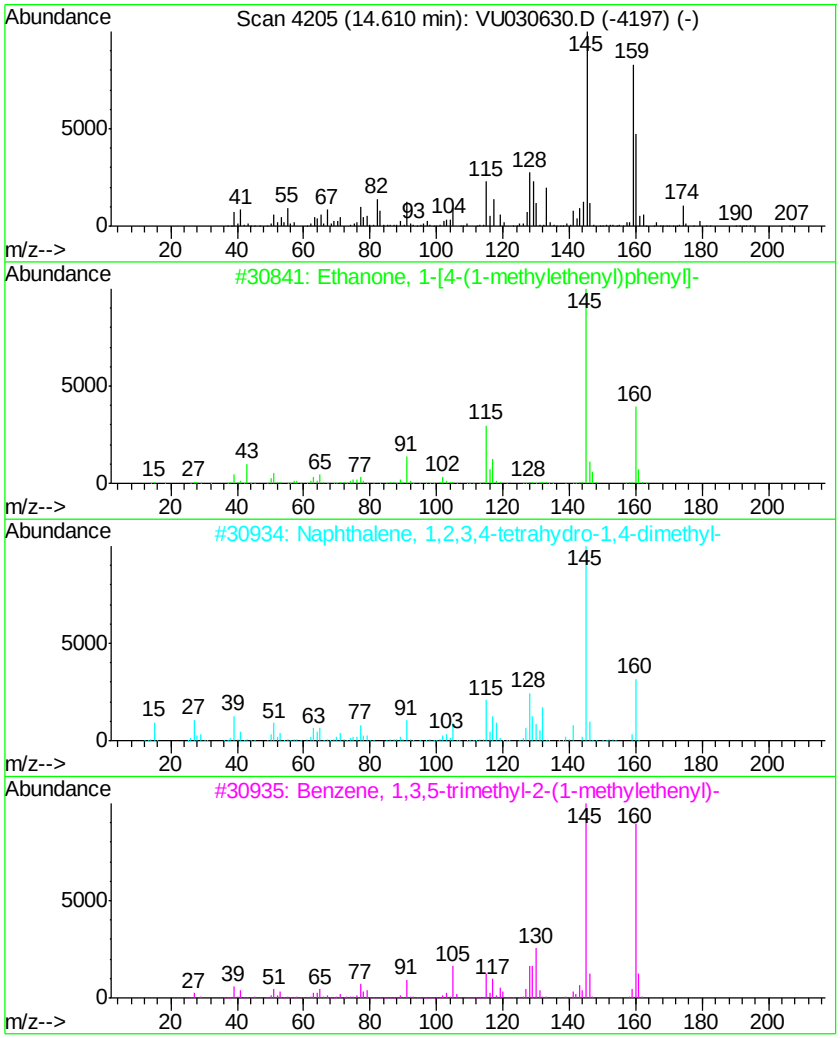
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

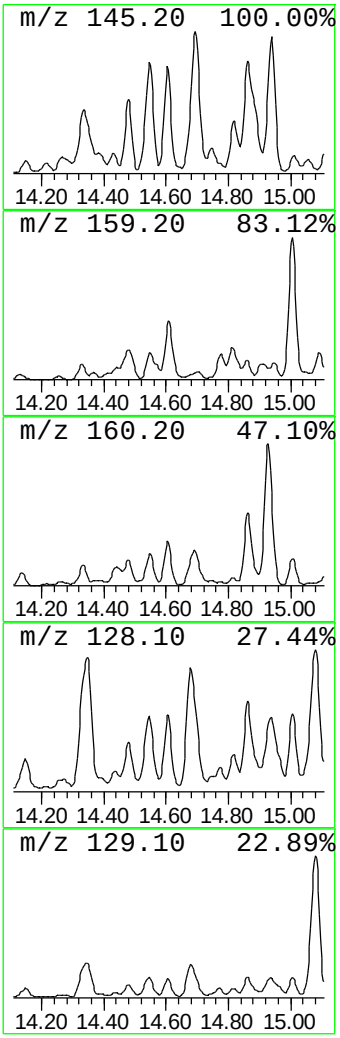
****

Peak Number 13 Ethanone, 1-[4-(1-methyleth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	130.48 ug/L	7247290	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	64
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
4	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	60
5	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	56





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

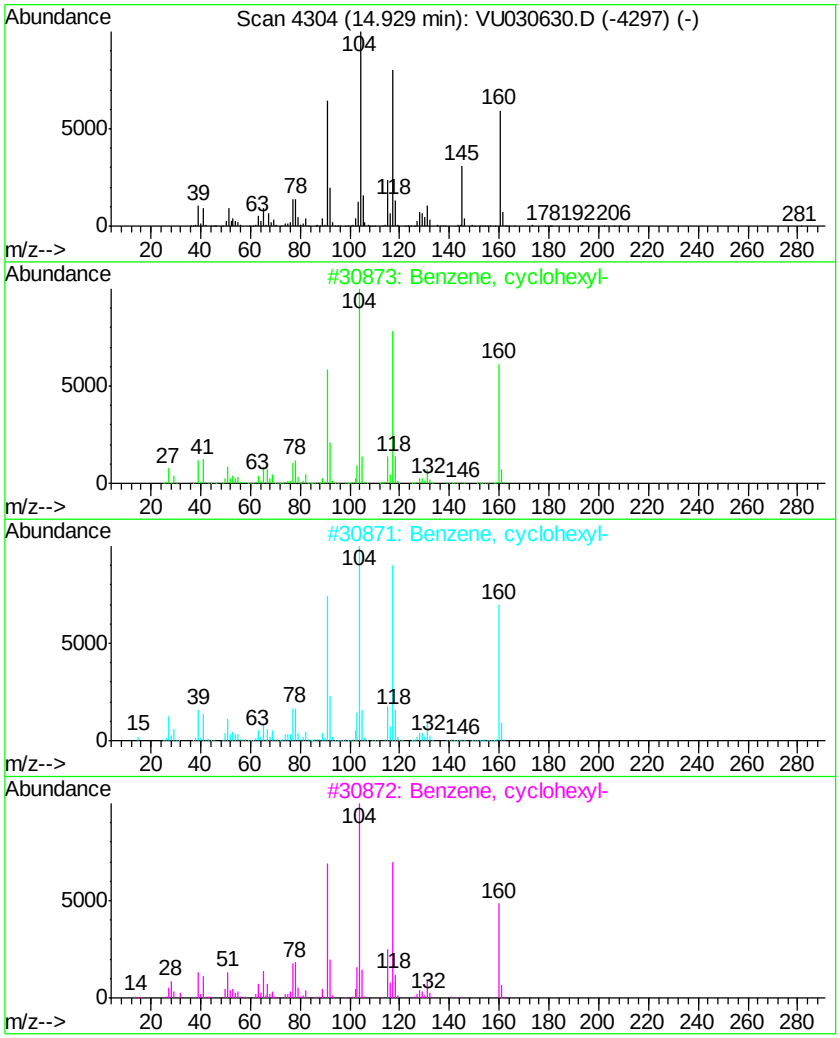
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

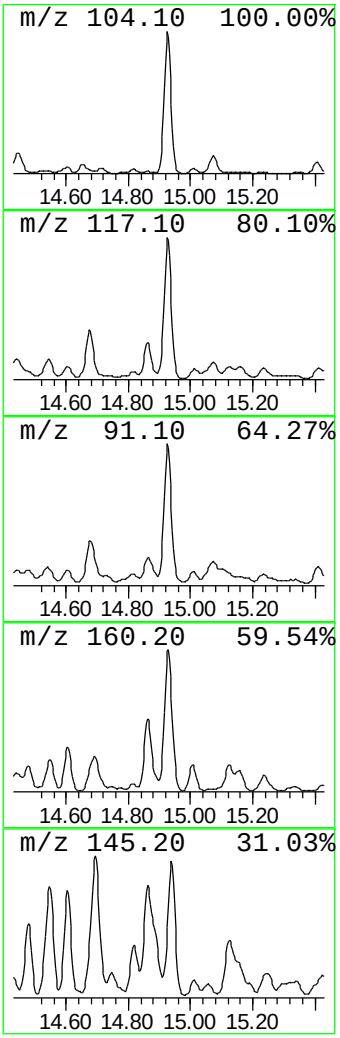
****

Peak Number 16 Benzene, cyclohexyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	408.54 ug/L	22691900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclohexyl-	160	C12H16	000827-52-1	97
2	Benzene, cyclohexyl-	160	C12H16	000827-52-1	96
3	Benzene, cyclohexyl-	160	C12H16	000827-52-1	95
4	Benzene, cyclohexyl-	160	C12H16	000827-52-1	87
5	Hex-1-enylbenzene	160	C12H16	000828-15-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

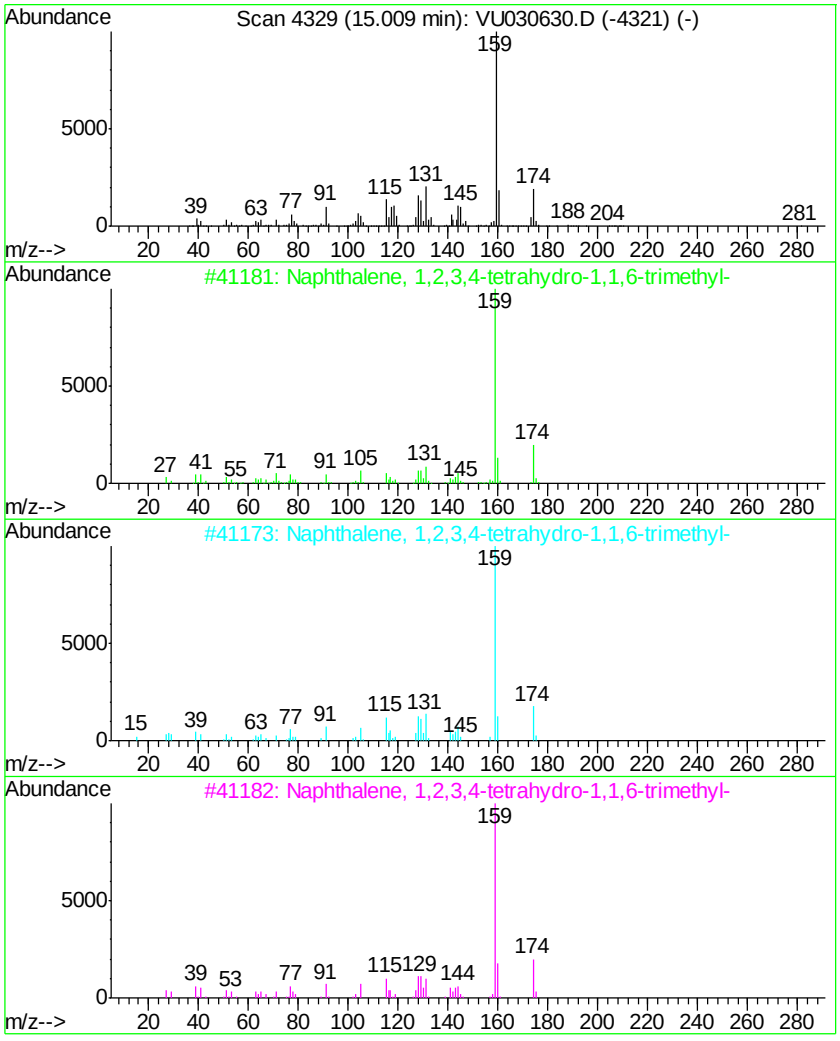
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

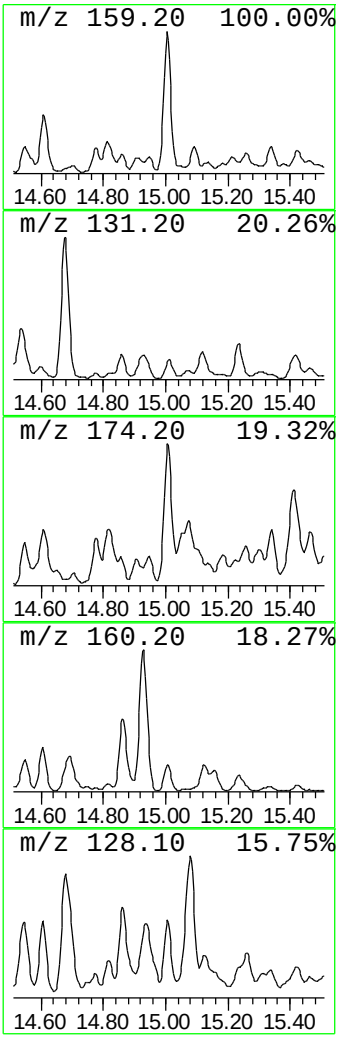
****

Peak Number 17 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	110.23 ug/L	6122330	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	83





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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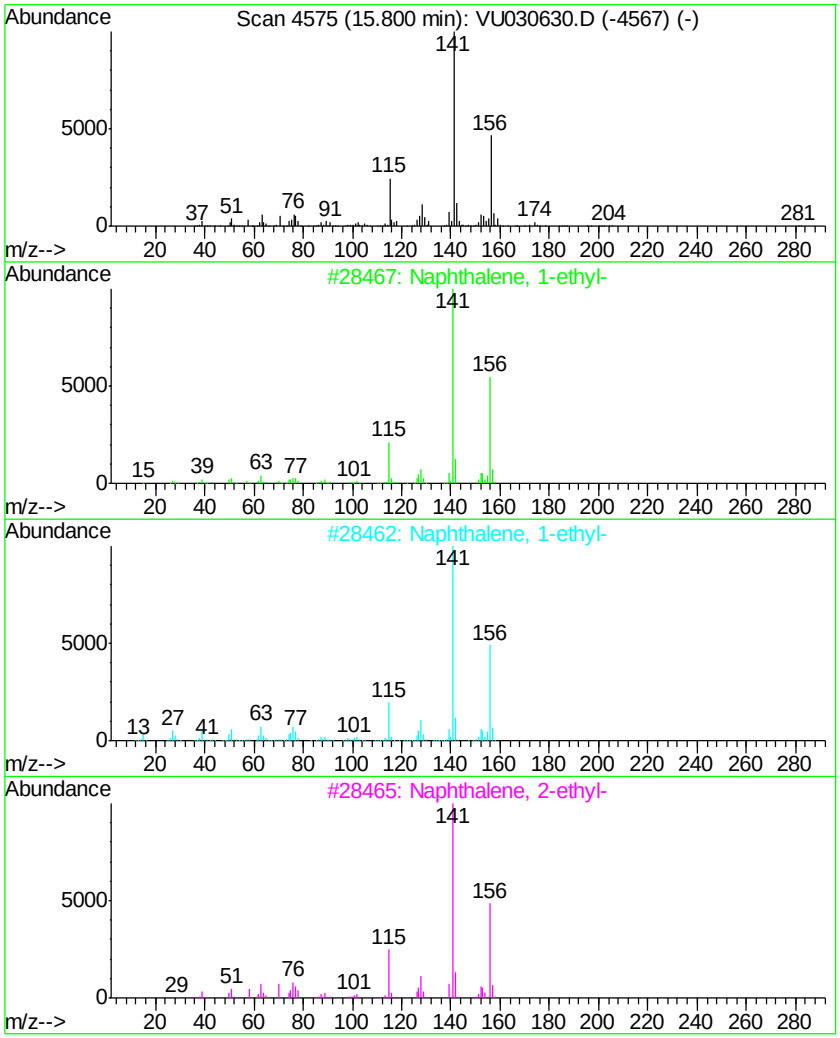
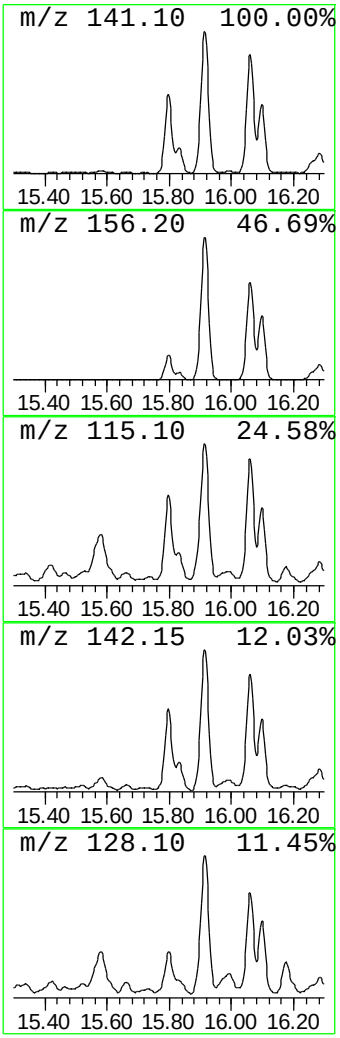
Peak Number 19 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	253.58 ug/L	14084700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

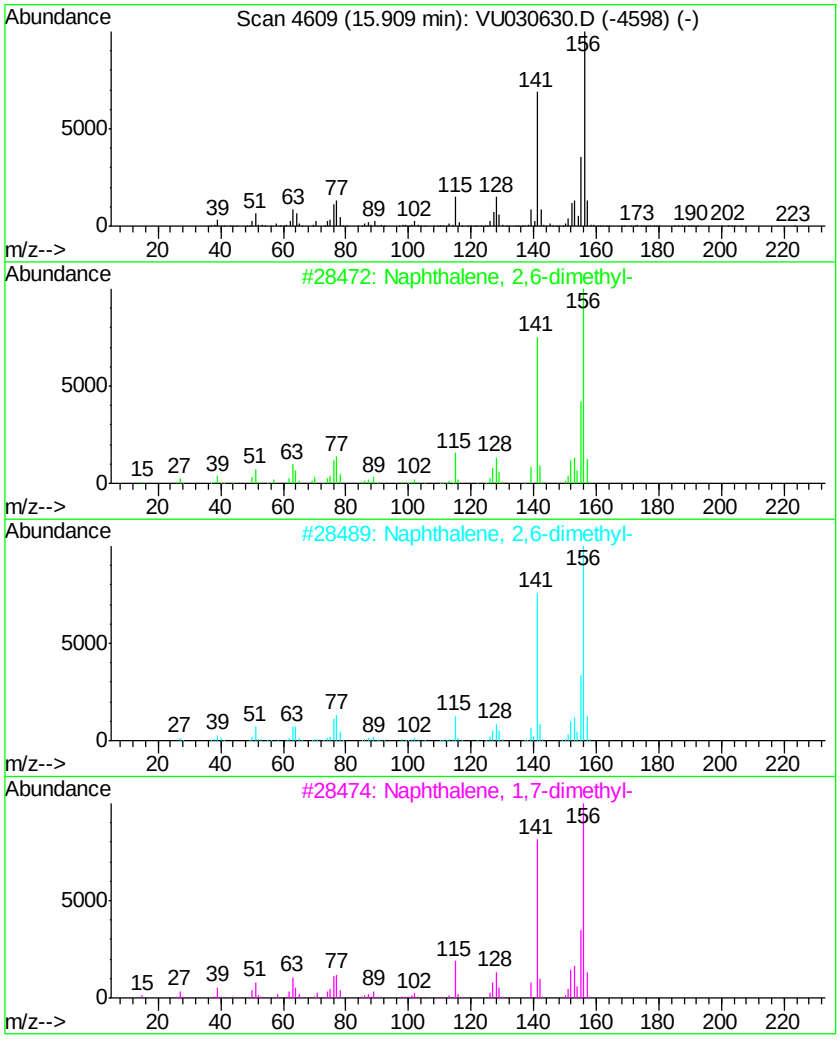
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

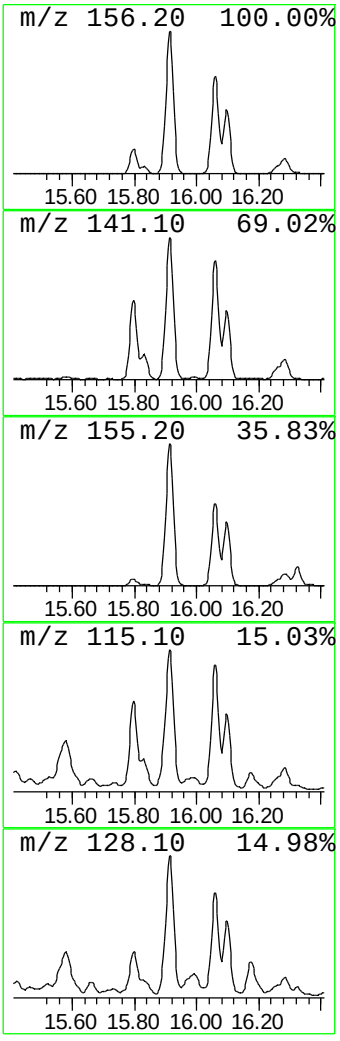
****

Peak Number 20 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	675.30 ug/L	37509000	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

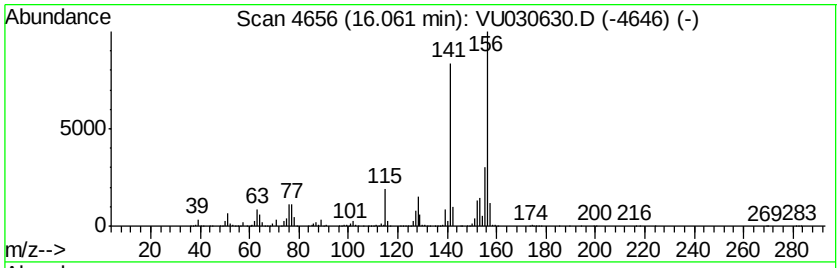
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

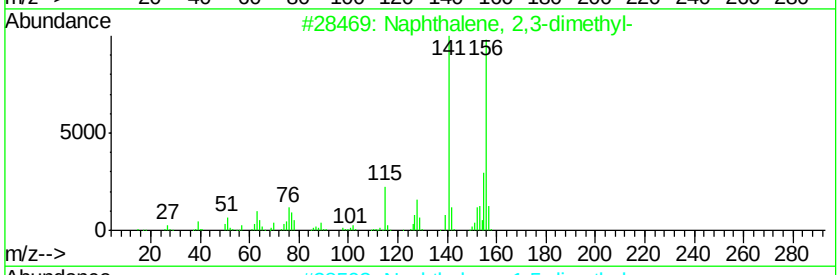
****

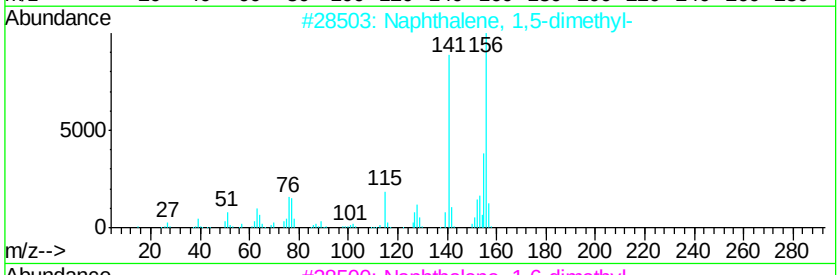
Peak Number 21 Naphthalene, 2,3-dimethyl- Concentration Rank 5

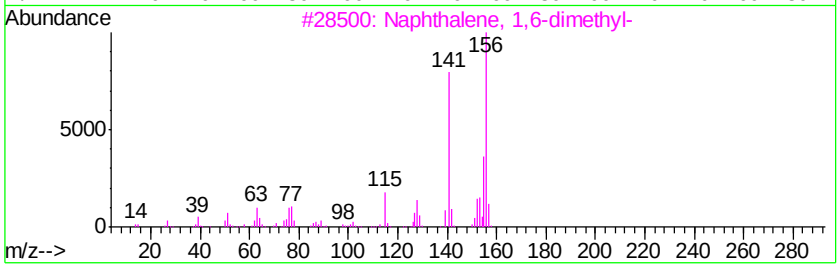
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	422.43 ug/L	23463300	1,4-Dichlorobenzene-d4	11.48

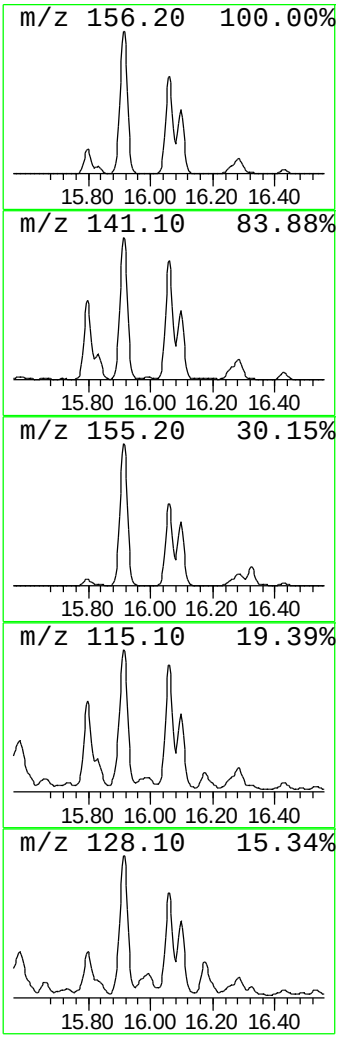
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97











Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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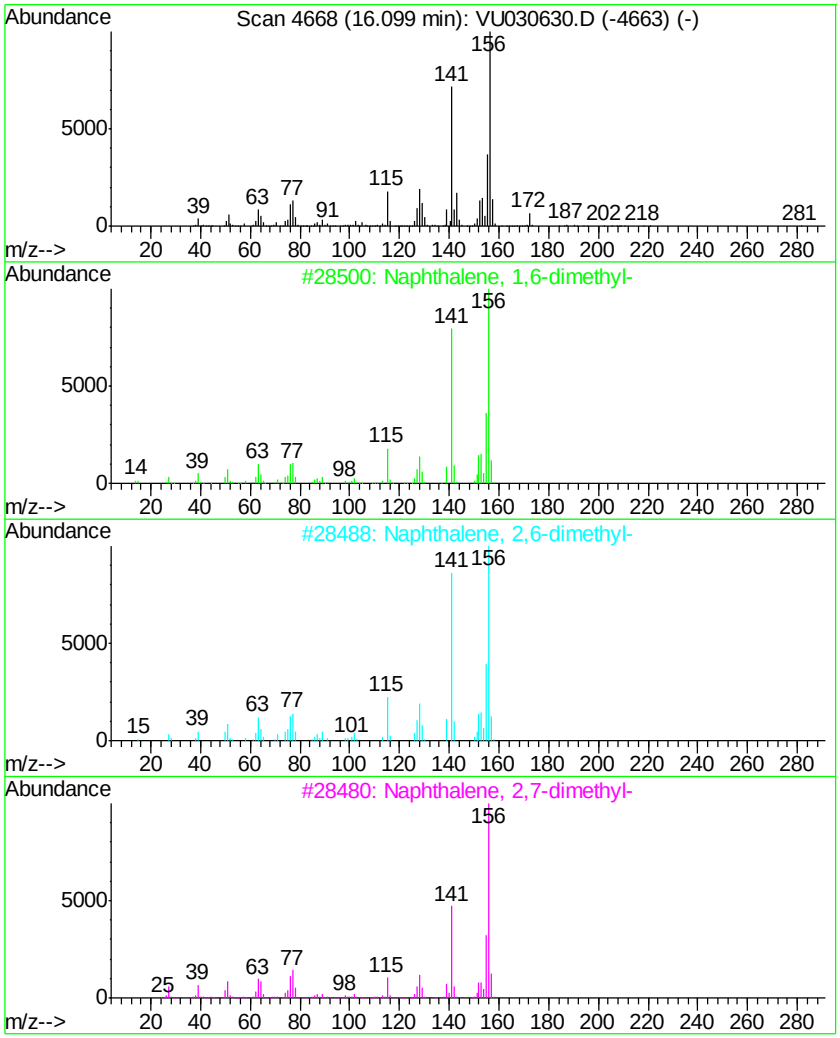
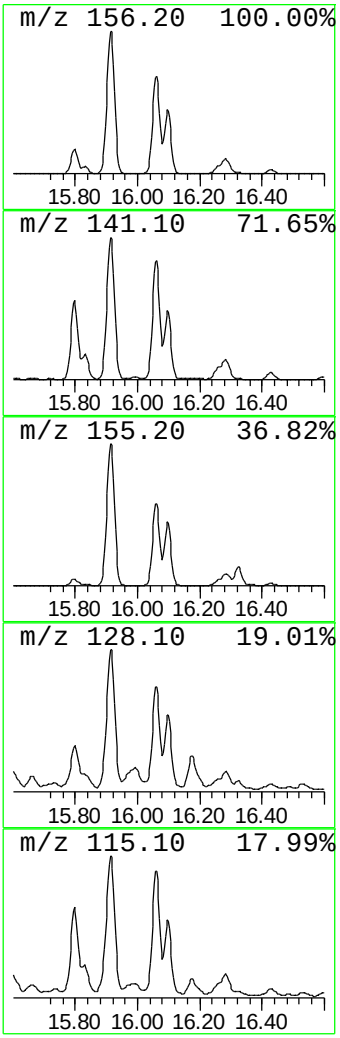
Peak Number 22 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	260.66 ug/L	14478300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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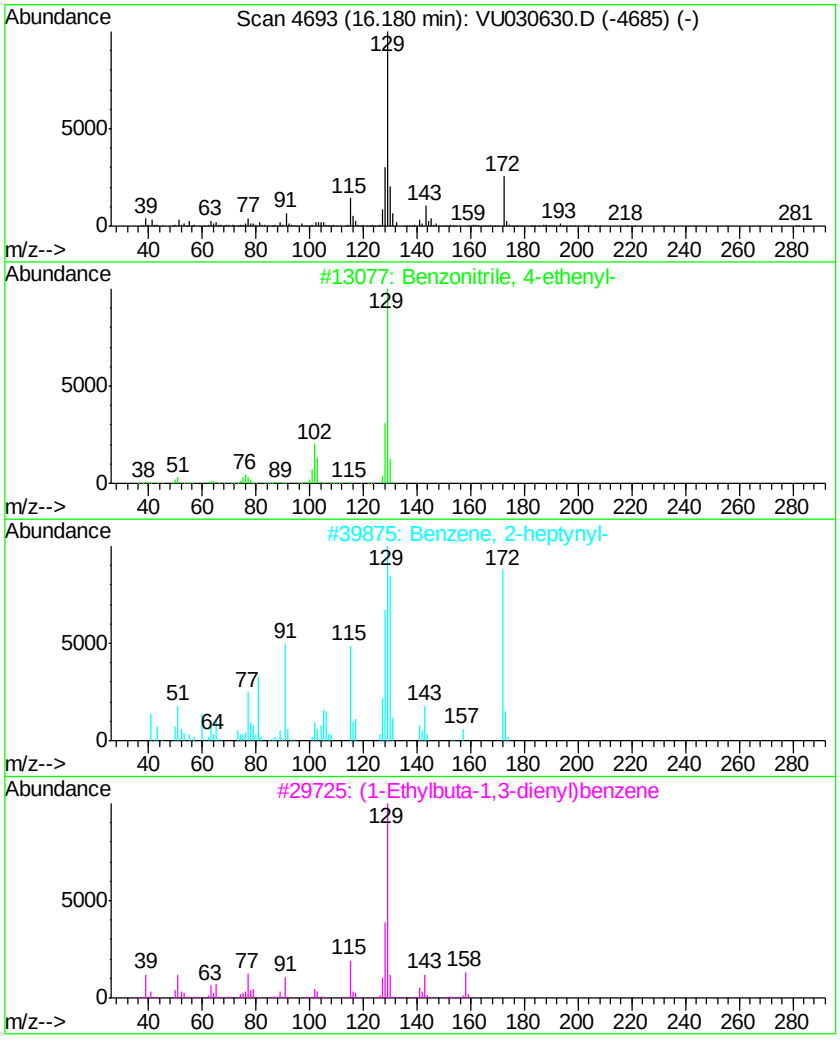
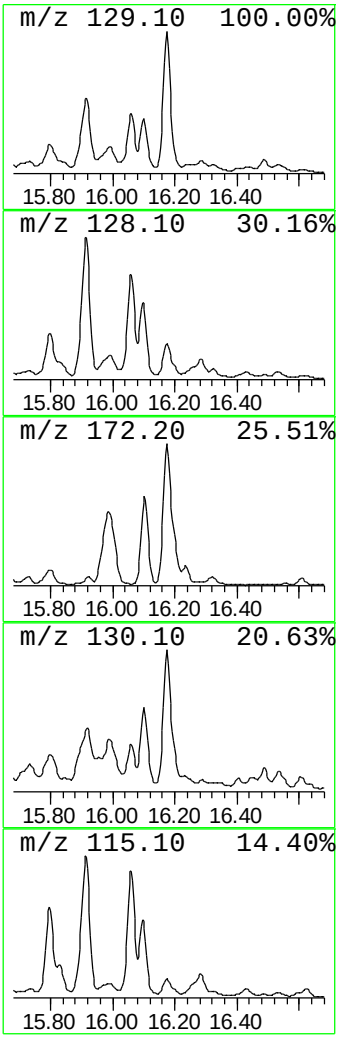
Peak Number 23 Benzonitrile, 4-ethenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	63.00 ug/L	3499460	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	50
2	Benzene, 2-heptynyl-	172	C13H16	054725-17-6	46
3	(1-Ethylbuta-1,3-dienyl)benzene	158	C12H14	1000210-05-6	45
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	42
5	1,4-Ethanonaphthalene, 1,2,3,4-t...	158	C12H14	004175-52-4	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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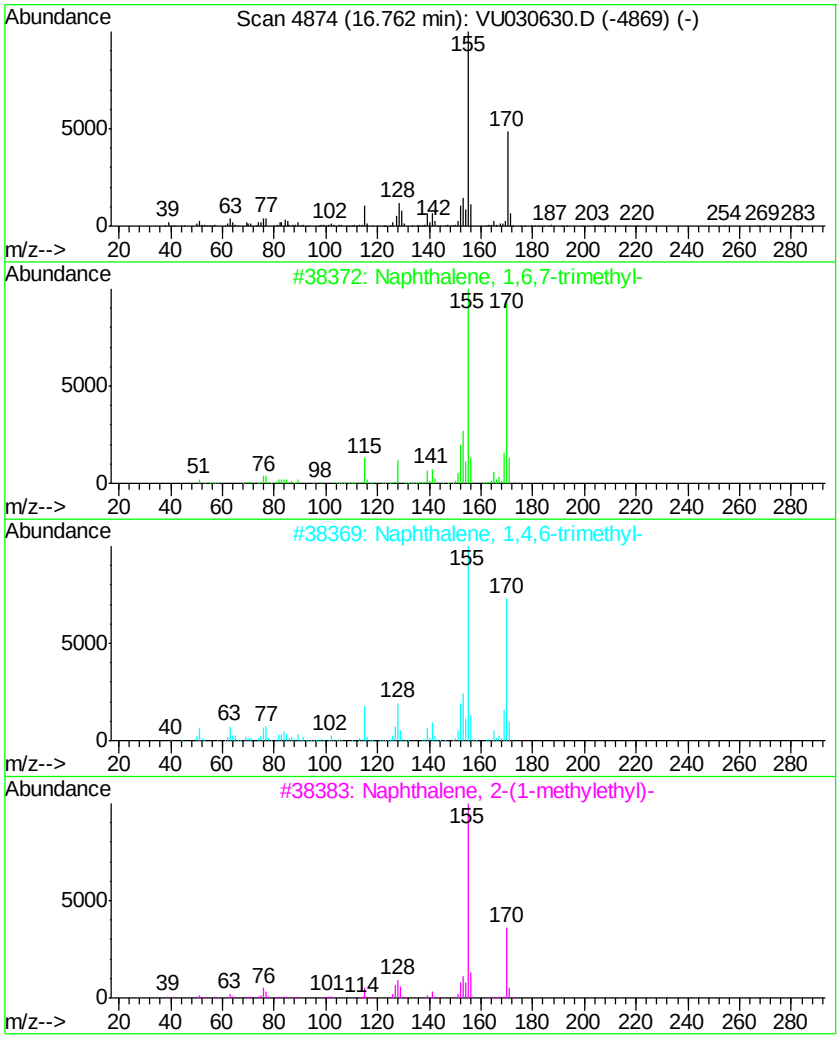
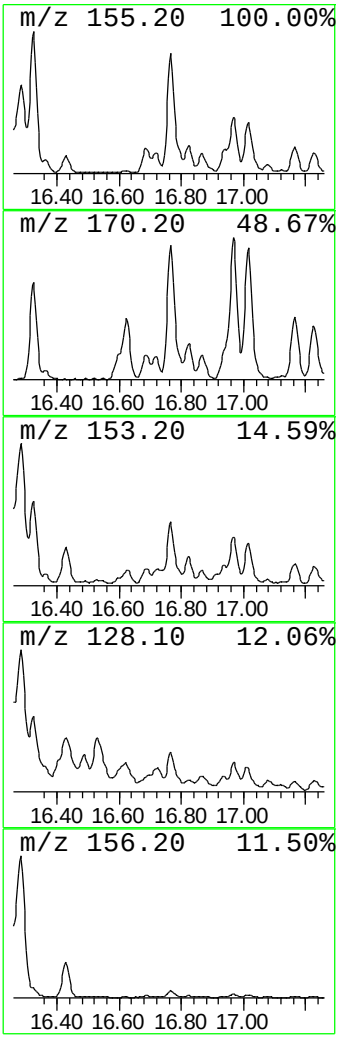
Peak Number 24 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	18.18 ug/L	1009720	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
4	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
5	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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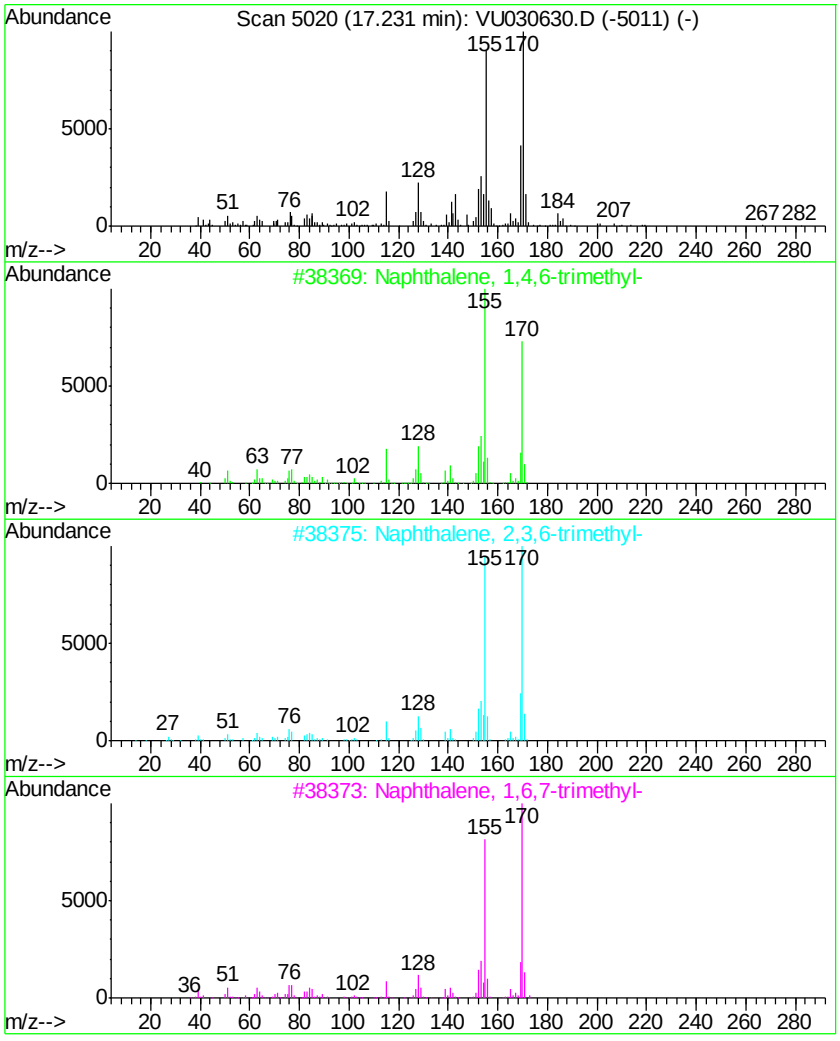
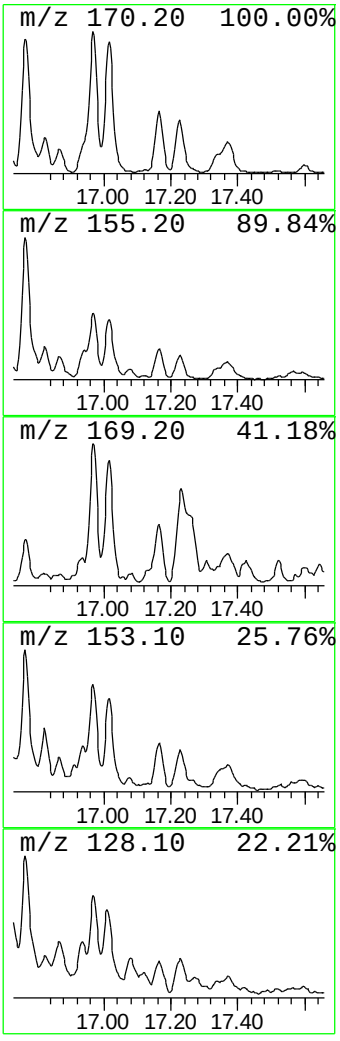
Peak Number 26 Naphthalene, 1,4,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	6.22 ug/L	345229	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030630.D
Acq On : 03 Apr 2019 16:24
Operator : JC/SP
Sample : K2119-19
Misc : 5.54g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF5B6RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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
Naphthalene, deca...	12.51	14.1	ug/L	782883	3	11.48	2777200	50.0
(DEL) Alkane: Cyc...	12.61	7.9	ug/L	436555	3	11.48	2777200	50.0
1-Methyldecahydro...	12.72	20.0	ug/L	1109560	3	11.48	2777200	50.0
Benzene, 1-methyl...	12.78	7.3	ug/L	404452	3	11.48	2777200	50.0
3,4-Dimethylcumene	12.88	13.1	ug/L	727180	3	11.48	2777200	50.0
Benzene, (1-methy...	13.40	35.6	ug/L	1975850	3	11.48	2777200	50.0
Benzene, (3-methy...	13.51	110.3	ug/L	6124470	3	11.48	2777200	50.0
1H-Indene, 2,3-di...	13.73	193.6	ug/L	10753500	3	11.48	2777200	50.0
Benzene, 1-ethyl-...	13.79	68.5	ug/L	3804420	3	11.48	2777200	50.0
Naphthalene, 1,2,...	14.35	490.1	ug/L	27223900	3	11.48	2777200	50.0
Ethanone, 1-[4-(1...	14.61	130.5	ug/L	7247290	3	11.48	2777200	50.0
Benzene, cyclohexyl-	14.93	408.5	ug/L	22691900	3	11.48	2777200	50.0
Naphthalene, 1,2,...	15.01	110.2	ug/L	6122330	3	11.48	2777200	50.0
Naphthalene, 1-et...	15.80	253.6	ug/L	14084700	3	11.48	2777200	50.0
Naphthalene, 2,6-...	15.91	675.3	ug/L	37509000	3	11.48	2777200	50.0
Naphthalene, 2,3-...	16.06	422.4	ug/L	23463300	3	11.48	2777200	50.0
Naphthalene, 1,6-...	16.10	260.7	ug/L	14478300	3	11.48	2777200	50.0
Benzonitrile, 4-e...	16.18	63.0	ug/L	3499460	3	11.48	2777200	50.0
Naphthalene, 1,6,...	16.76	18.2	ug/L	1009720	3	11.48	2777200	50.0
Naphthalene, 1,4,...	17.23	6.2	ug/L	345229	3	11.48	2777200	50.0