LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

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\SOMULM091919WMA.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	1.280	55	59	67	rBV2	14987	19894	0.62%	0.041%
2	1.386	85	92	111	rVB	309066	423232	13.11%	0.876%
3	1.630	127	168	184	rBV2	451788	1938309	60.05%	4.013%
4	2.219	341	351	365	rVB	714928	1112434	34.46%	2.303%
5	2.604	467	471	481	rVV5	4750	7671	0.24%	0.016%
6	2.669	484	491	497	rVB2	7775	12010	0.37%	0.025%
7	2.727	507	509	516	rVB6	2209	2018	0.06%	0.004%
8	2.813	522	536	555	rBV2	74347	180737	5.60%	0.374%
9	3.003	592	595	600	rVB6	1258	1111	0.03%	0.002%
10	3.141	634	638	639	rBV3	2067	1462	0.05%	0.003%
11	3.196	652	655	660	rBV7	1309	942	0.03%	0.002%
12	3.312	686	691	694	rBV6	1225	1443	0.04%	0.003%
13	3.366	705	708	710	rBV5	1383	1131	0.04%	0.002%
14	3.408	715	721	726	rVV5	4356	6816	0.21%	0.014%
15	3.611	781	784	786	rBV3	1862	1063	0.03%	0.002%
16	3.685	805	807	810	rVB3	1620	904	0.03%	0.002%
17	3.704	810	813	816	rBV5	1198	887	0.03%	0.002%
18	3.743	823	825	833	rVB8	1908	1571	0.05%	0.003%
19	3.784	833	838	840	rBV3	1539	1544	0.05%	0.003%
20	3.797	840	842	846	rVB4	1638	883	0.03%	0.002%
21	3.817	846	848	851	rBV3	1189	864	0.03%	0.002%
22	3.836	851	854	858	rVV4	2147	1367	0.04%	0.003%
23	3.868	862	864	869	rVB4	1415	1234	0.04%	0.003%
24	3.952	886	890	893	rBV7	1184	965	0.03%	0.002%
25	3.968	893	895	900	rVB3	2042	1026	0.03%	0.002%
26	3.997	900	904	909	rBV5	1434	1451	0.04%	0.003%
27	4.174	943	959	1008	rBV3	319608	1158932	35.90%	2.399%
28	4.492	1055	1058	1062	rBV4	1665	1211	0.04%	0.003%
29	4.540	1070	1073	1079	rBV7	1700	1413	0.04%	0.003%
30	4.617	1079	1097	1126	rBV2	455438	1223961	37.92%	2.534%
31	4.932	1188	1195	1197	rBV6	4355	4277	0.13%	0.009%
32	5.180	1260	1272	1282	rBV5	7587	17855	0.55%	0.037%
33	5.305	1288	1311	1340	rBV2	1124814	3227938	100.00%	6.682%
34	5.701	1430	1434	1435	rBV4	1740	1031	0.03%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

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\SOMULM091919WMA.M
Title : VOC Analysis

35	5.717	1435	1439	1441	rVV4	1812	1675	0.05%	0.003%
36	5.743	1441	1447	1459	rVV4	6315	12582	0.39%	0.026%
37	5.858	1469	1483	1509	rBV	818130	1727140	53.51%	3.575%
38	6.148	1570	1573	1574	rBV2	2508	1518	0.05%	0.003%
39	6.305	1606	1622	1640	rBV	722307	1527379	47.32%	3.162%
40	6.501	1679	1683	1691	rVB8	7326	11243	0.35%	0.023%
41	6.608	1710	1716	1718	rBV6	4853	5287	0.16%	0.011%
42	6.710	1741	1748	1755	rVB3	8524	12502	0.39%	0.026%
43	6.878	1785	1800	1818	rVB3	13050	39087	1.21%	0.081%
44	7.016	1838	1843	1845	rBV4	2241	2172	0.07%	0.004%
45	7.080	1853	1863	1870	rBV4	10803	16002	0.50%	0.033%
46	7.109	1870	1872	1873	rVV2	2043	926	0.03%	0.002%
47	7.154	1876	1886	1891	rVV2	40133	69608	2.16%	0.144%
48	7.206	1892	1902	1927	rVV	428362	860915	26.67%	1.782%
49	7.315	1928	1936	1954	rVB2	34846	74370	2.30%	0.154%
50	7.543	1978	2007	2036	rBV	1445288	2753547	85.30%	5.700%
51	7.675	2041	2048	2055	rBV7	16209	26102	0.81%	0.054%
52	7.797	2078	2086	2088	rBV3	59413	72006	2.23%	0.149%
53	7.829	2089	2096	2110	rVB	263991	474122	14.69%	0.982%
54	7.980	2140	2143	2144	rBV3	2262	1296	0.04%	0.003%
55	8.019	2145	2155	2168	rVB3	27920	55376	1.72%	0.115%
56	8.087	2168	2176	2178	rBV8	3306	4230	0.13%	0.009%
57	8.206	2205	2213	2226	rVB5	17206	31888	0.99%	0.066%
58	8.305	2228	2244	2274	rBV	1127762	2233729	69.20%	4.624%
59	8.521	2303	2311	2321	rVB4	80817	131878	4.09%	0.273%
60	8.582	2321	2330	2340	rBV3	62053	116100	3.60%	0.240%
61	8.730	2371	2376	2386	rVB6	15831	25602	0.79%	0.053%
62	8.794	2386	2396	2400	rBV2	33457	53429	1.66%	0.111%
63	8.884	2417	2424	2439	rVB3	83369	140092	4.34%	0.290%
64	9.009	2453	2463	2471	rBV2	79428	131189	4.06%	0.272%
65	9.070	2471	2482	2501	rVV	1164883	2117409	65.60%	4.383%
66	9.225	2520	2530	2543	rVB10	24642	56331	1.75%	0.117%
67	9.421	2584	2591	2609	rVB2	154228	262323	8.13%	0.543%
68	9.546	2622	2630	2639	rVB9	12080	21940	0.68%	0.045%
69	9.697	2666	2677	2685	rBV4	66795	126838	3.93%	0.263%
70	10.022	2770	2778	2788	rBV5	107484	186794	5.79%	0.387%
71	10.414	2889	2900	2912	rBV	1099036	1878402	58.19%	3.889%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

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\SOMULM091919WMA.M
Title : VOC Analysis

72	10.730	2992	2998	3008	rBV4	59324	100093	3.10%	0.207%
73	10.791	3011	3017	3028	rVB4	140180	211463	6.55%	0.438%
74	11.093	3105	3111	3117	rBV2	66962	86322	2.67%	0.179%
75	11.376	3193	3199	3204	rBV3	63046	91314	2.83%	0.189%
76	11.463	3216	3226	3237	rBV	1314350	2057274	63.73%	4.259%
77	11.839	3333	3343	3364	rVB	1653367	2892010	89.59%	5.987%
78	12.003	3389	3394	3399	rBV3	99132	131387	4.07%	0.272%
79	12.125	3426	3432	3436	rBV	94072	129013	4.00%	0.267%
80	12.594	3572	3578	3582	rBV5	95480	132020	4.09%	0.273%
81	12.684	3600	3606	3623	rVB6	128936	334291	10.36%	0.692%
82	12.768	3625	3632	3638	rBV3	183553	275285	8.53%	0.570%
83	13.012	3701	3708	3715	rBV4	158948	239460	7.42%	0.496%
84	13.061	3717	3723	3729	rBV3	197946	302272	9.36%	0.626%
85	13.102	3731	3736	3750	rVB6	301823	593662	18.39%	1.229%
86	13.488	3848	3856	3862	rBV3	364566	569216	17.63%	1.178%
87	13.765	3937	3942	3953	rVB3	142221	205475	6.37%	0.425%
88	13.836	3956	3964	3971	rBV4	400736	673997	20.88%	1.395%
89	13.932	3986	3994	4003	rBV4	368683	679682	21.06%	1.407%
90	14.128	4048	4055	4069	rVB4	326641	594406	18.41%	1.231%
91	14.327	4105	4117	4137	rVB3	949298	2007122	62.18%	4.155%
92	14.655	4212	4219	4235	rBV4	455841	806540	24.99%	1.670%
93	14.845	4269	4278	4291	rBV3	1016445	2221076	68.81%	4.598%
94	15.781	4562	4569	4578	rBV3	446551	793061	24.57%	1.642%
95	15.893	4594	4604	4616	rBV	1415976	2631624	81.53%	5.448%
96	16.038	4641	4649	4655	rBV	1576394	2349416	72.78%	4.864%
97	16.514	4790	4797	4810	rVB	489267	745210	23.09%	1.543%
98	16.996	4942	4947	4959	rVB	498079	707827	21.93%	1.465%
99	17.144	4987	4993	5003	rVB	462800	696096	21.56%	1.441%
100	17.205	5006	5012	5020	rBV2	288794	425650	13.19%	0.881%

Sum of corrected areas: 48304880

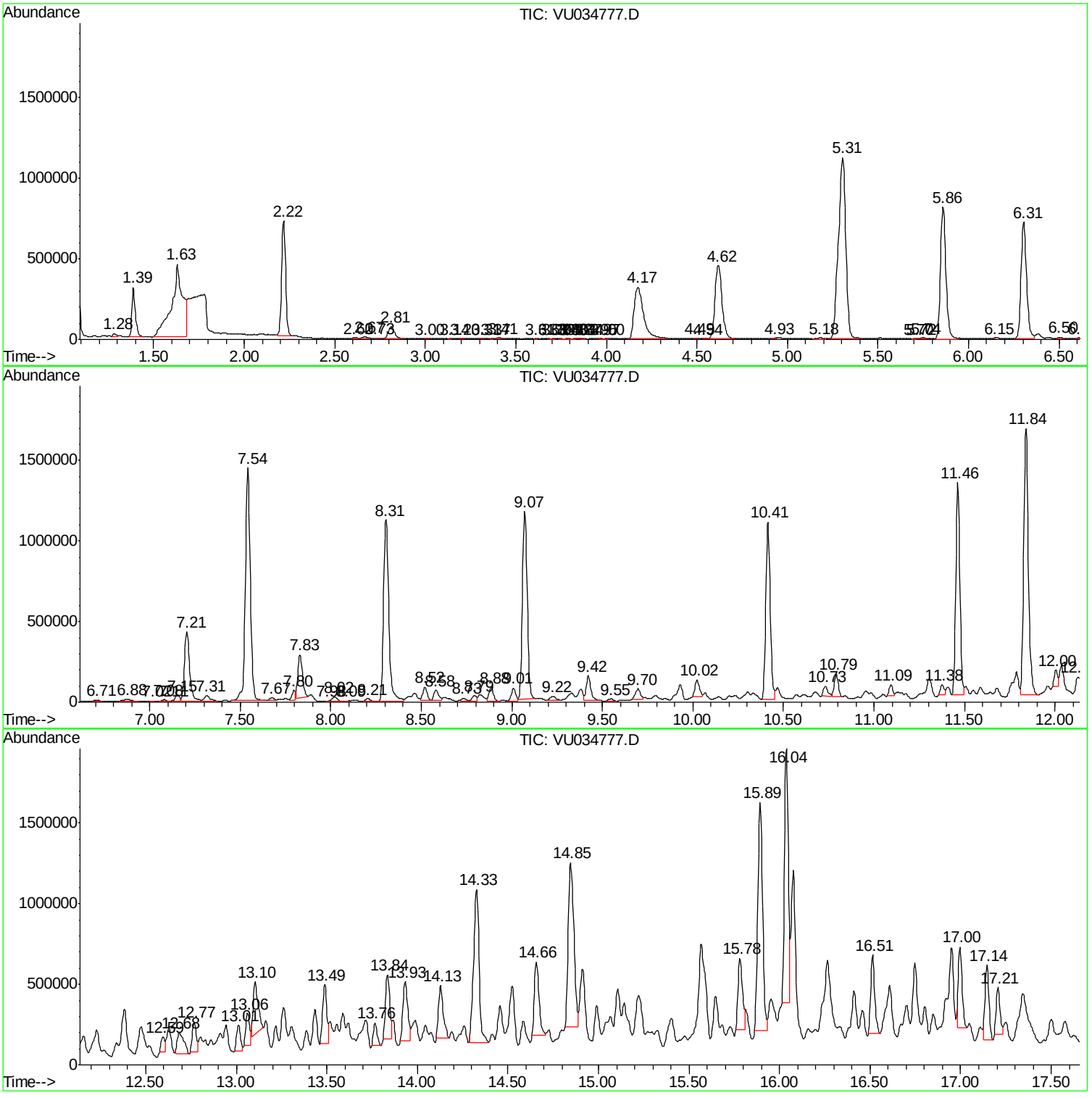
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

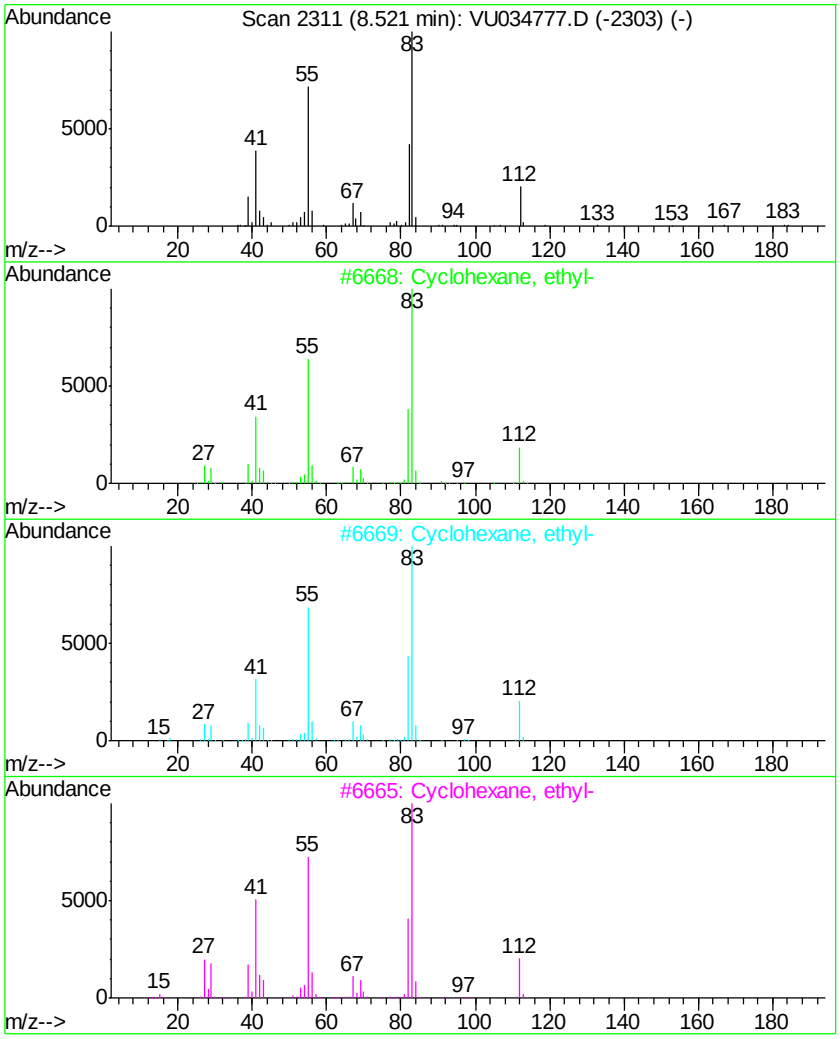
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

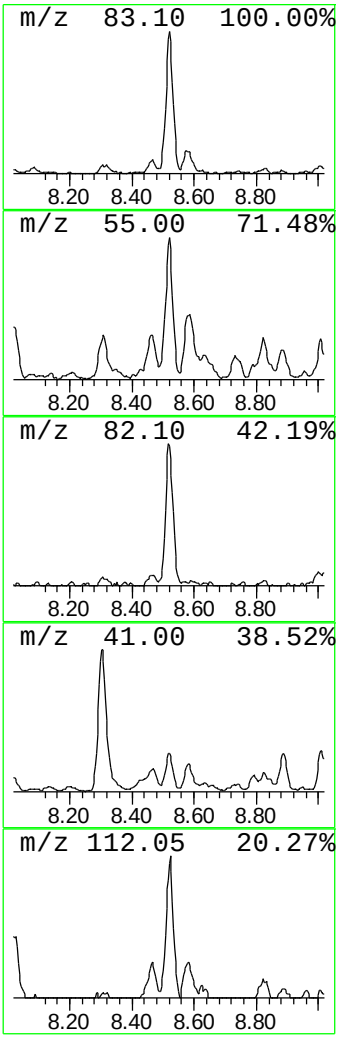
****

Peak Number 3 (DEL) Alkane: Cyclic8.52 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	3.11 ug/L	131878	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	70
5	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

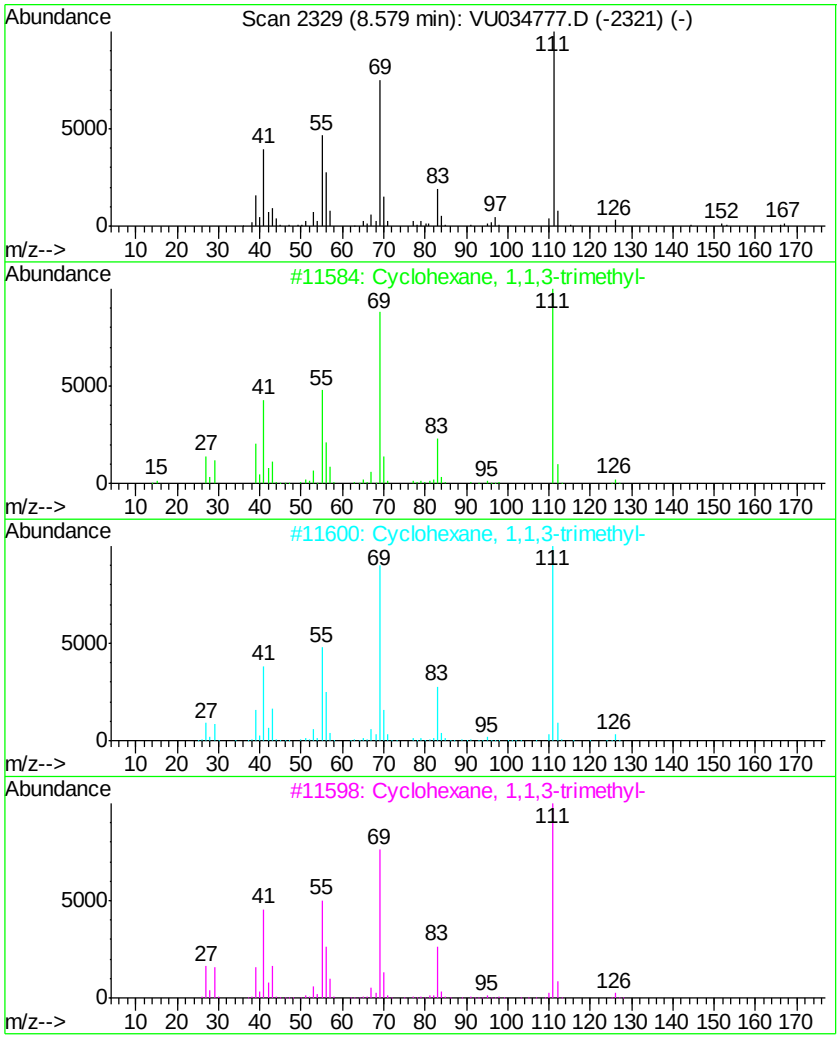
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

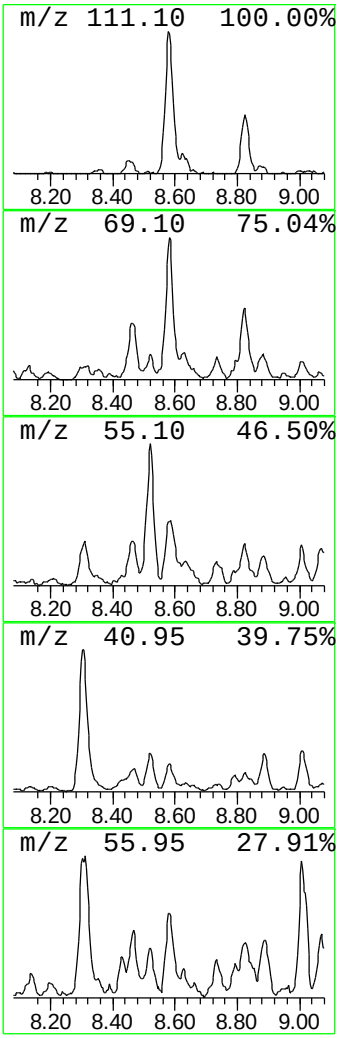
****

Peak Number 4 (DEL) Alkane: Cyclic8.58 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	2.74 ug/L	116100	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
5	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

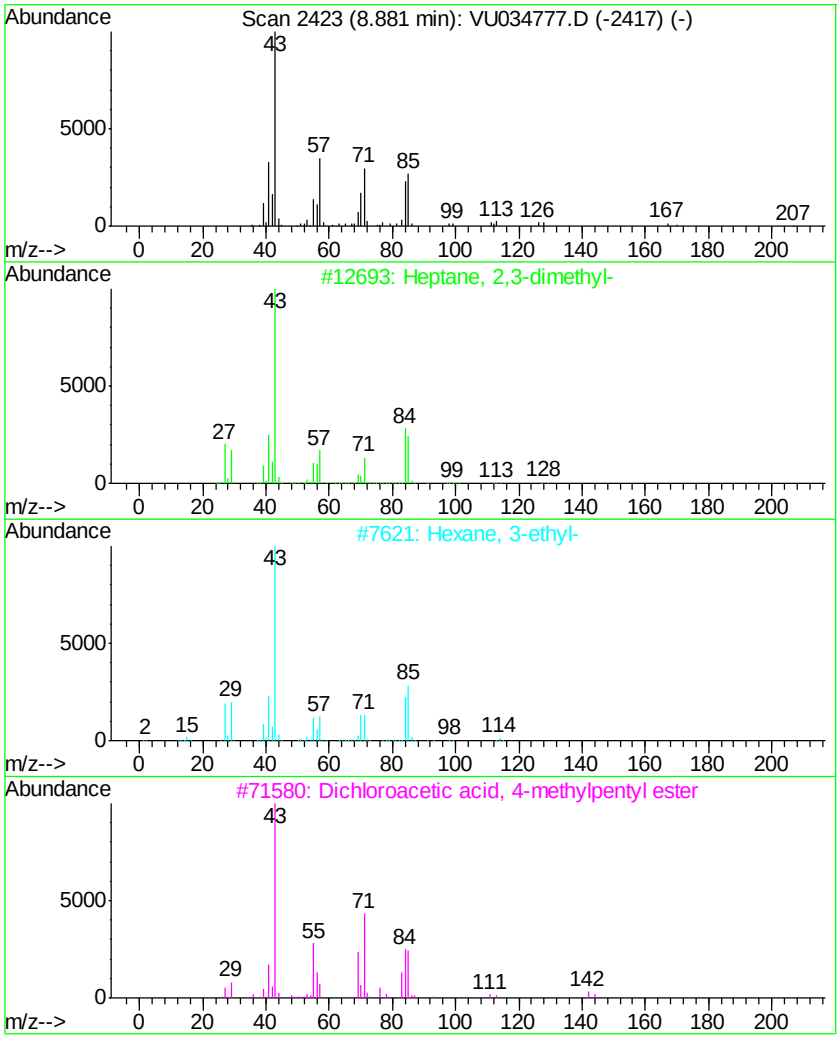
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

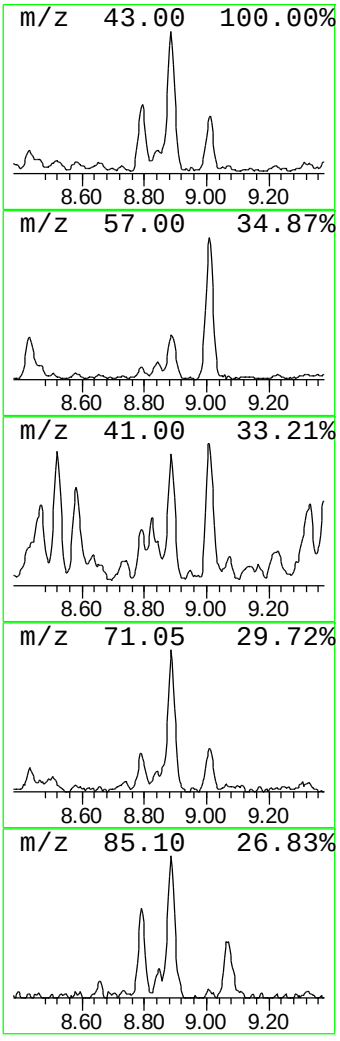
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	3.31 ug/L	140092	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
3	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	59
4	Decane	142	C10H22	000124-18-5	59
5	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

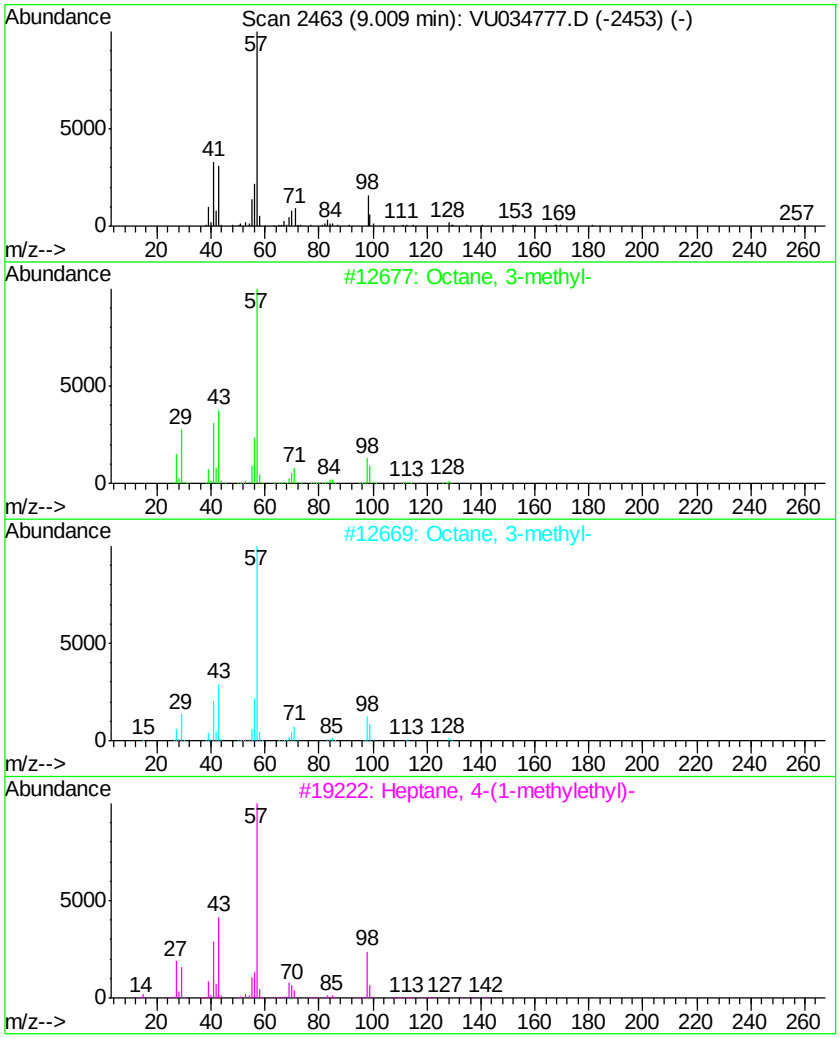
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

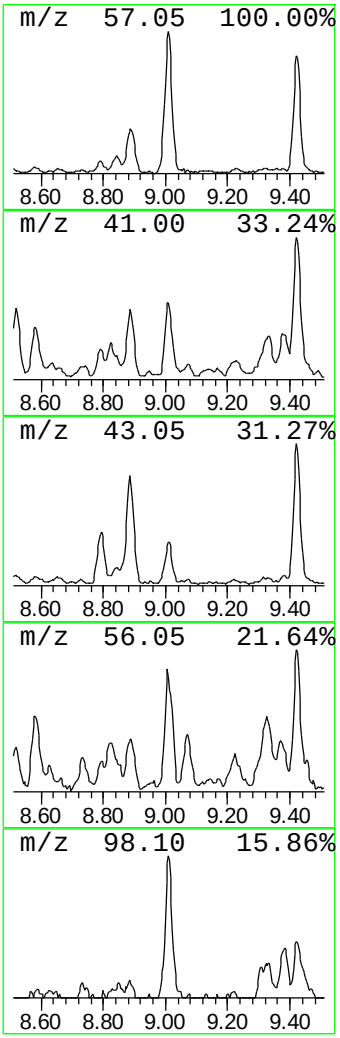
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	3.10 ug/L	131189	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	74
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

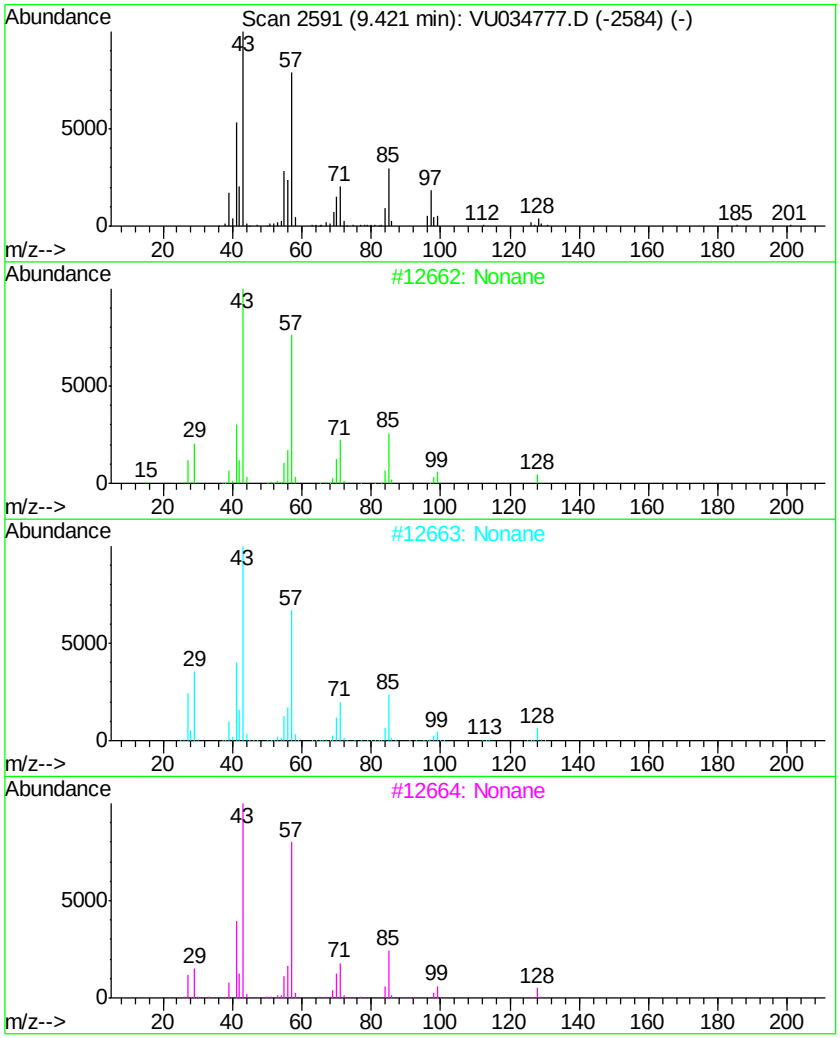
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

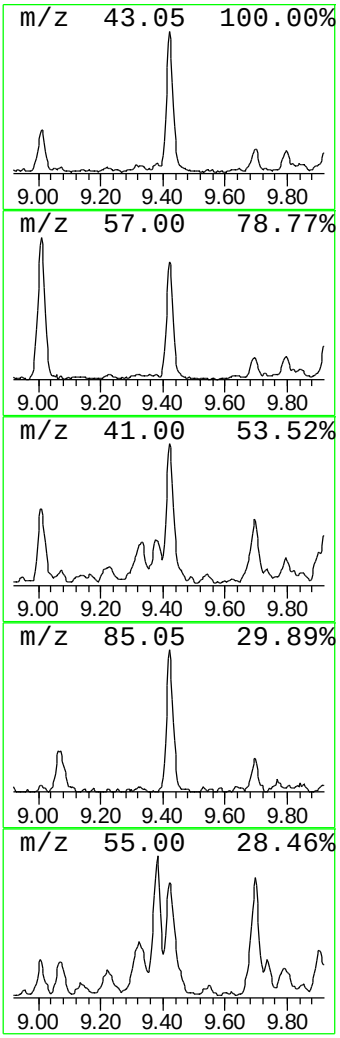
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	6.19 ug/L	262323	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	76
2	Nonane	128	C9H20	000111-84-2	72
3	Nonane	128	C9H20	000111-84-2	59
4	Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	59
5	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

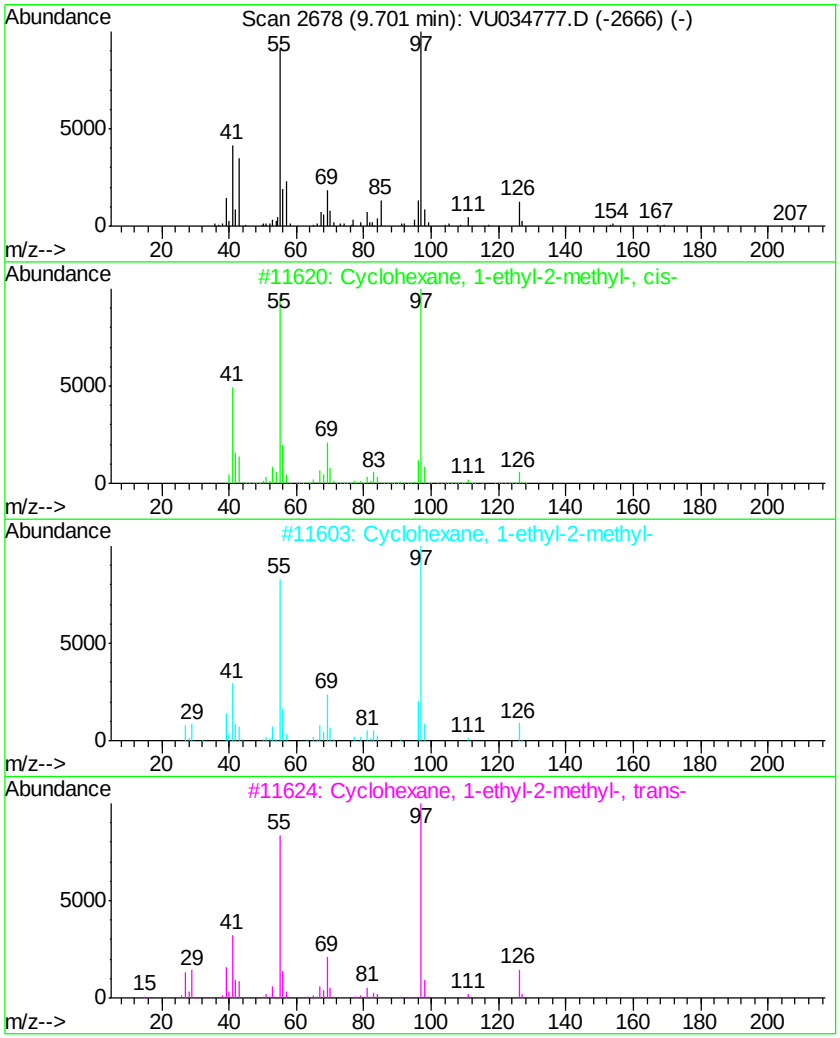
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

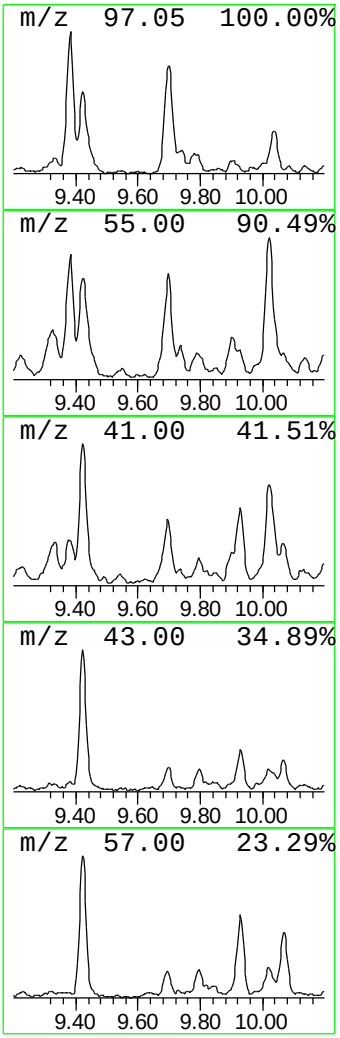
****

Peak Number 8 (DEL) Alkane: Cyclic9.70 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	3.00 ug/L	126838	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	91
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	80
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72





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Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

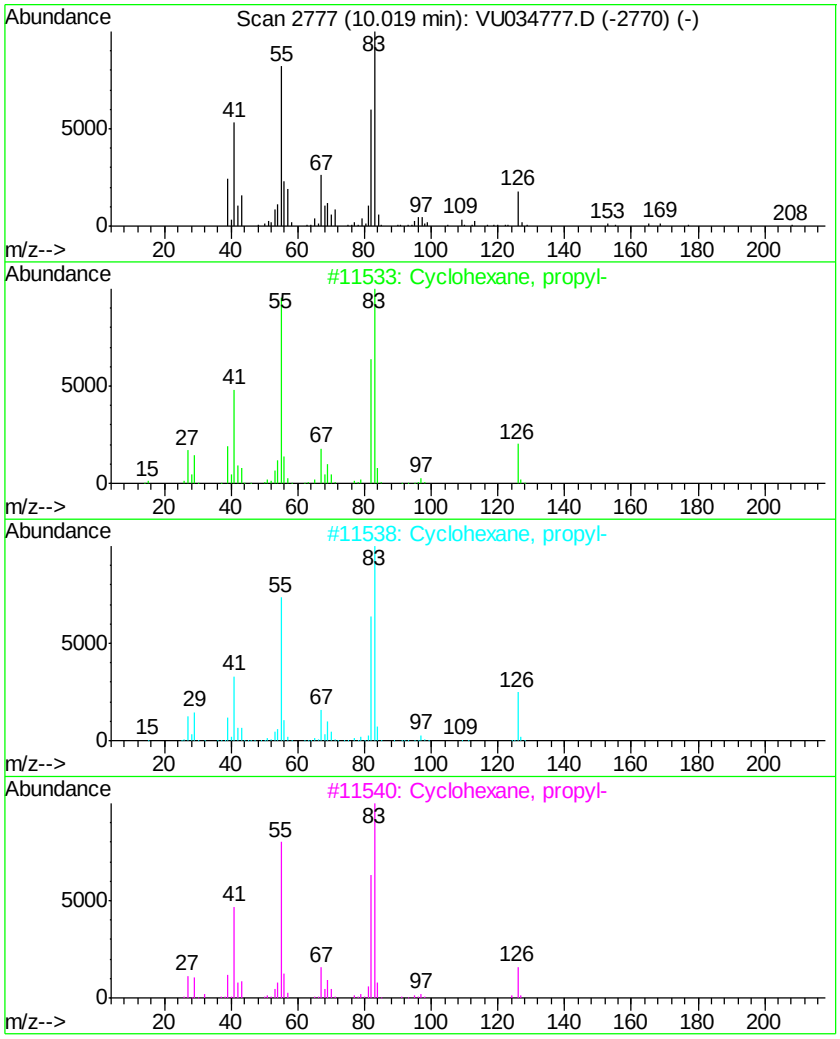
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

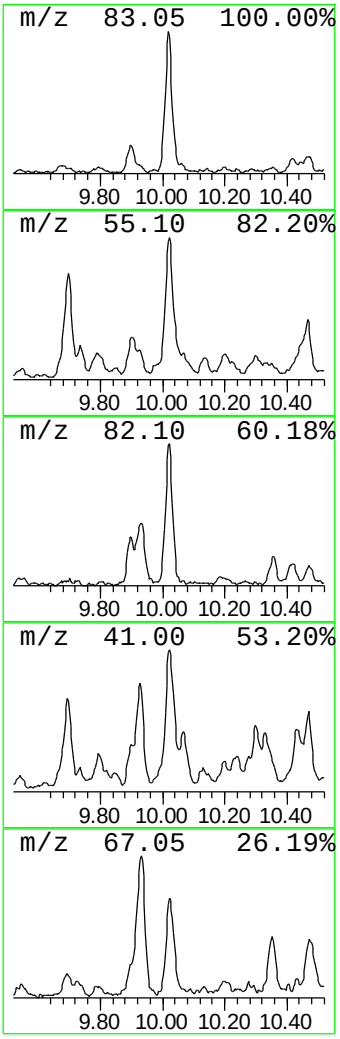
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic10.02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	4.41 ug/L	186794	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	83
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	80





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Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

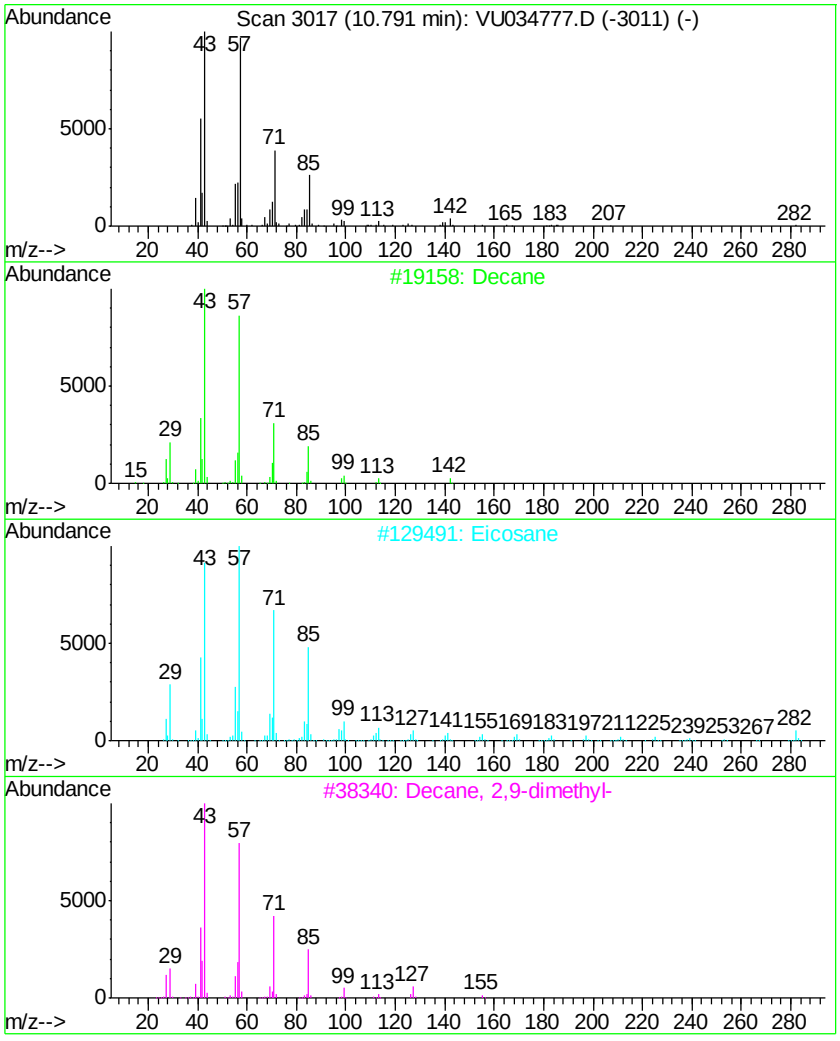
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

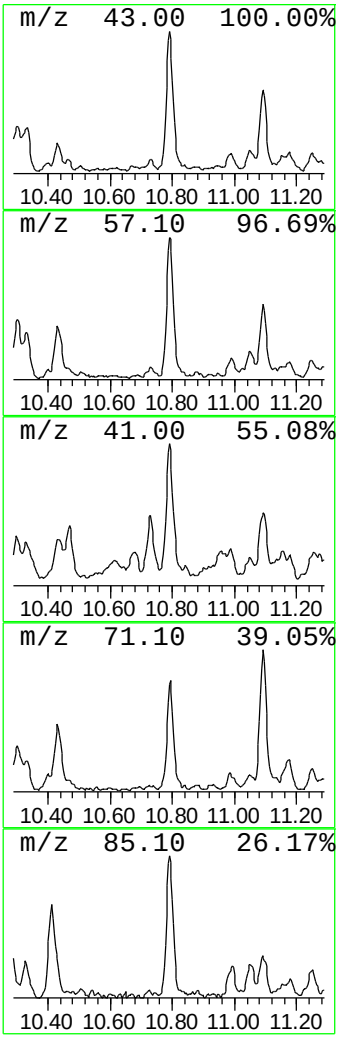
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	5.14 ug/L	211463	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Eicosane	282	C20H42	000112-95-8	80
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
4	Undecane	156	C11H24	001120-21-4	64
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

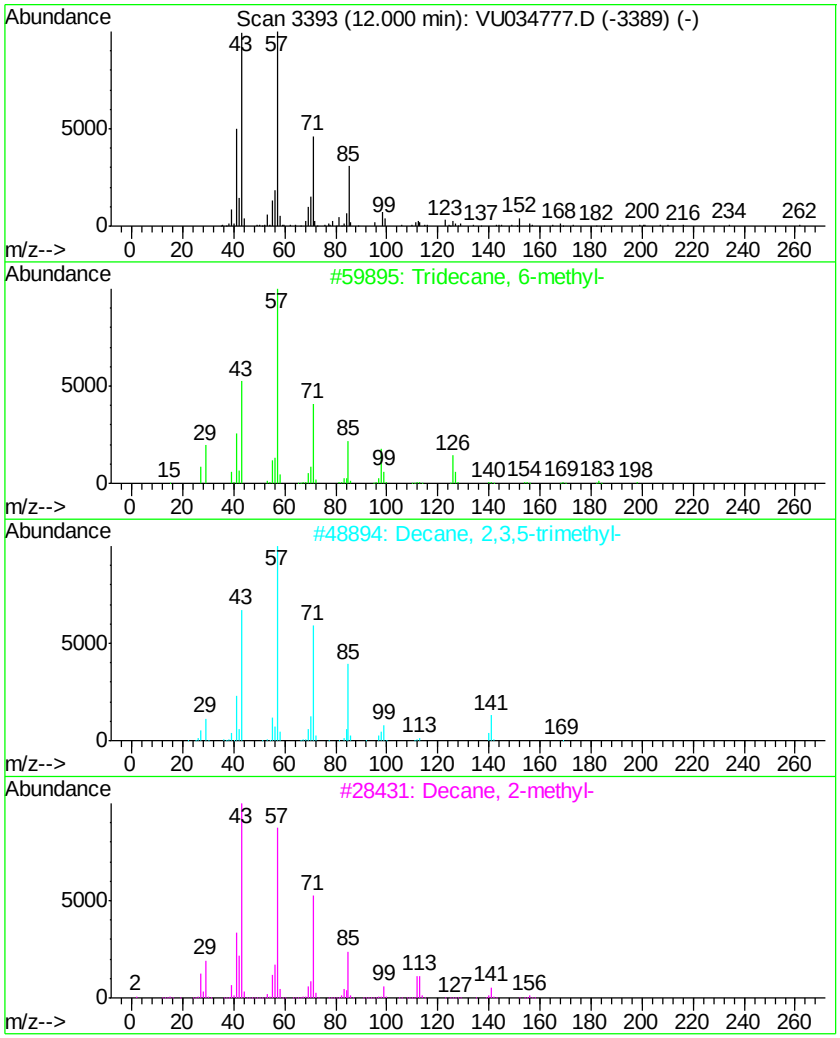
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

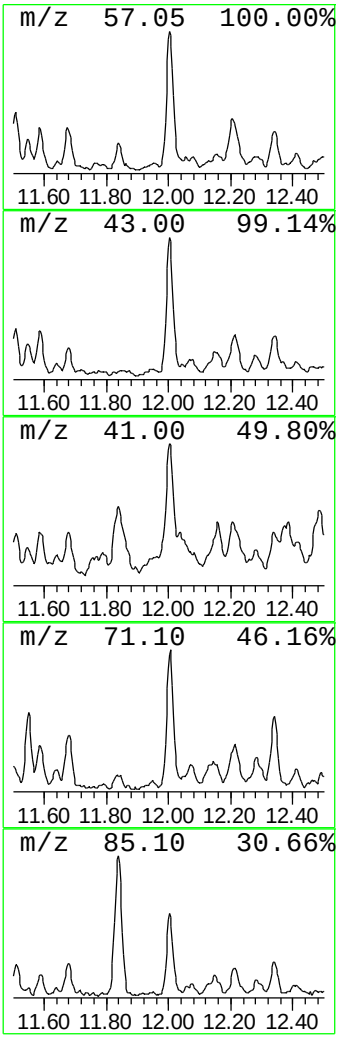
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.19 ug/L	131387	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	72
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	62
5	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

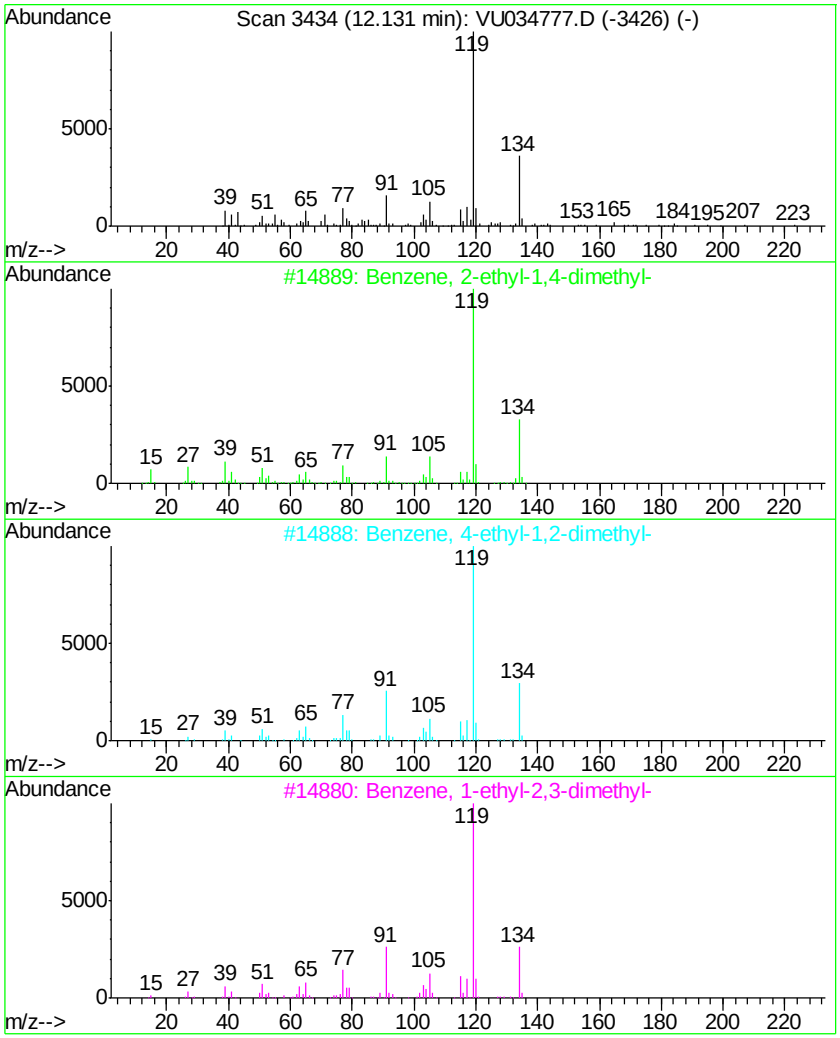
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

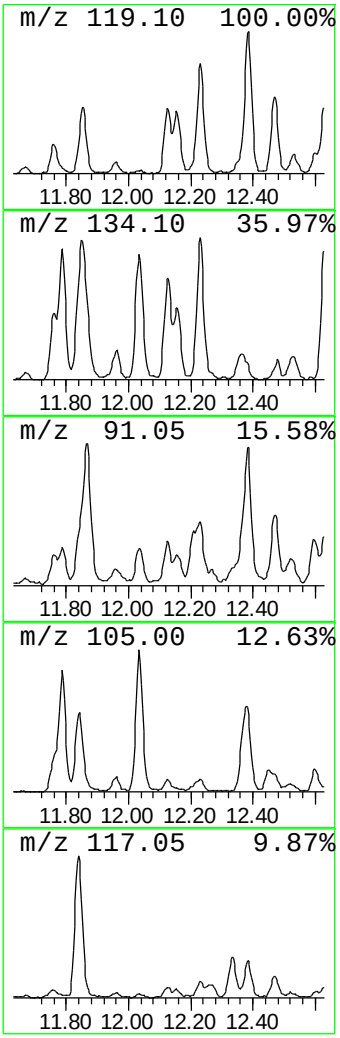
****

Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.14 ug/L	129013	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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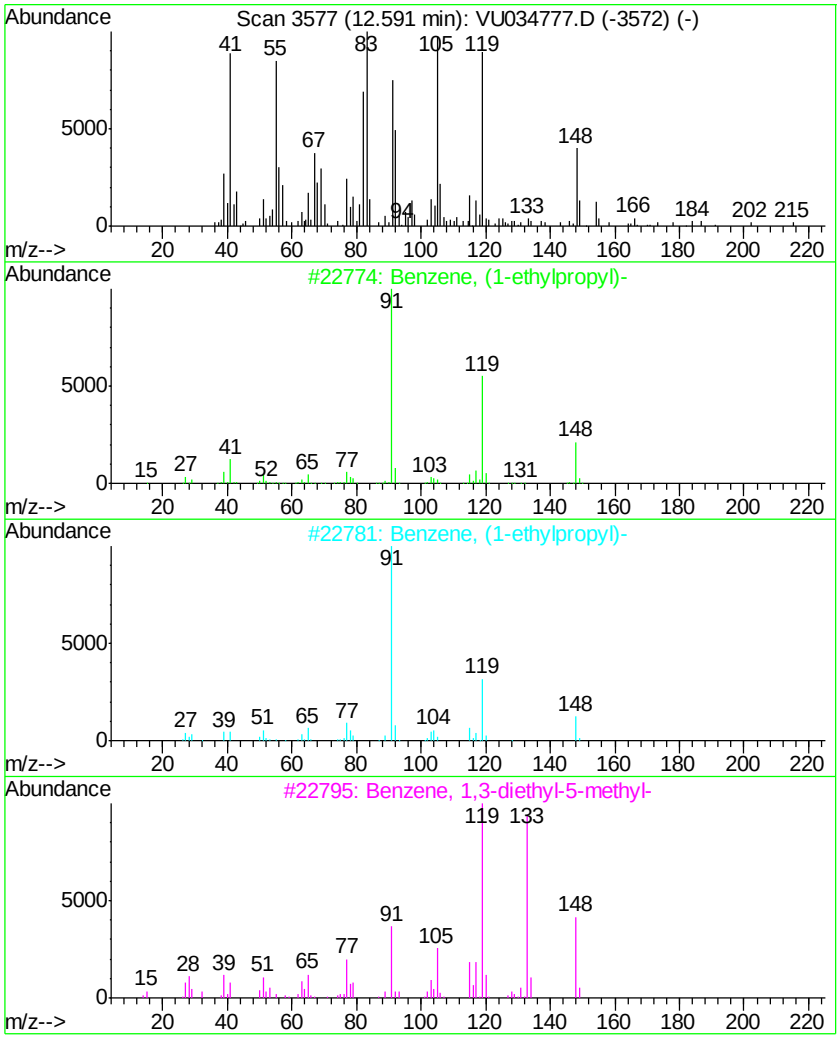
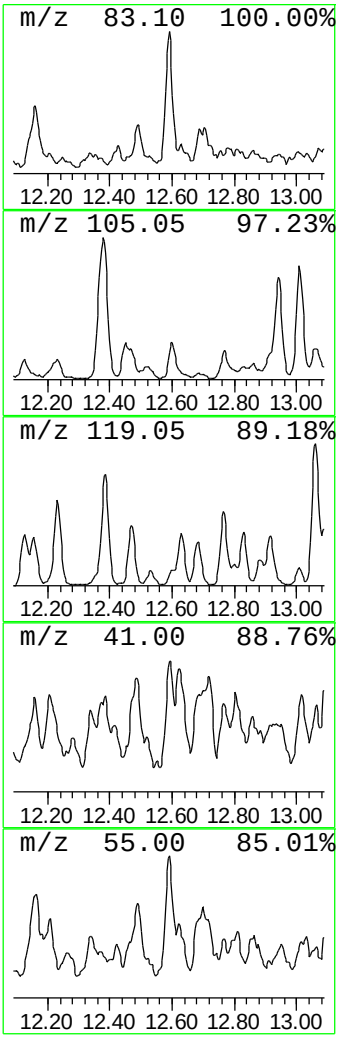
Peak Number 13 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.21 ug/L	132020	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	38
2	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	38
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	35
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	35
5	1H-Imidazo[4,5-b]pyridine	119	C6H5N3	000273-21-2	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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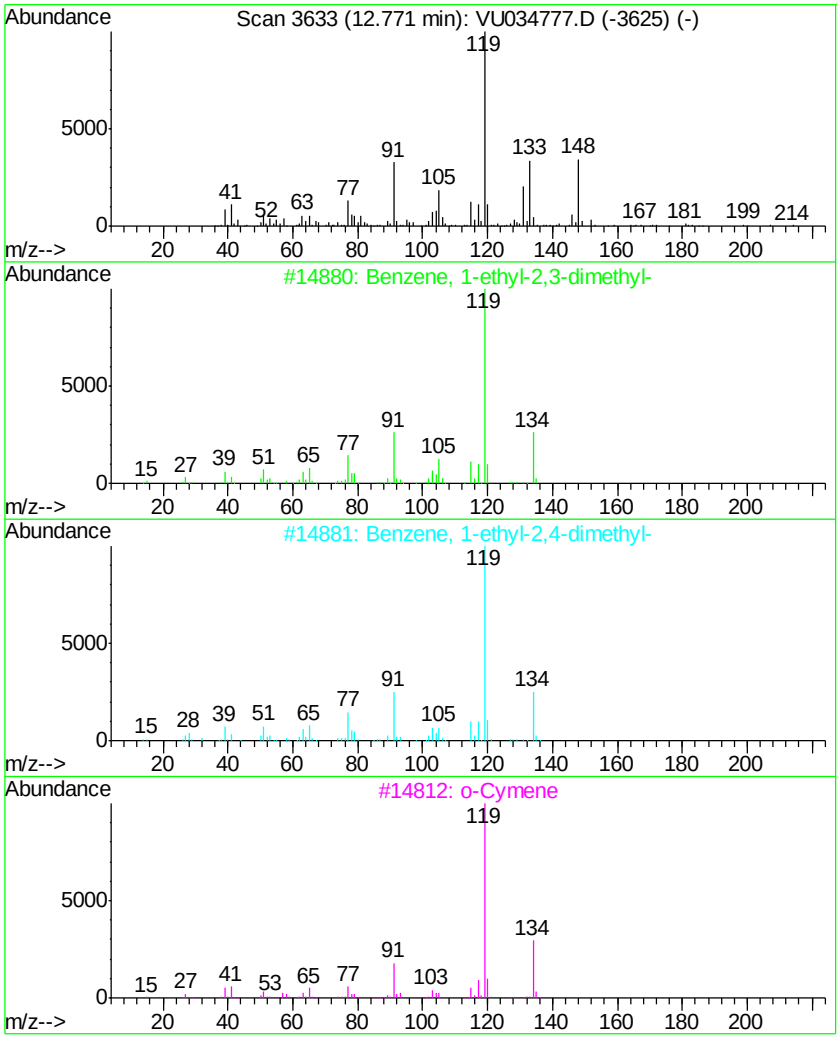
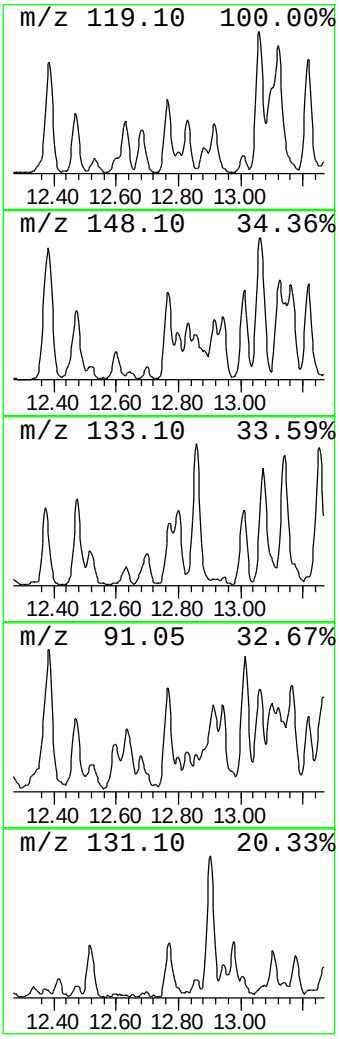
Peak Number 15 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	6.69 ug/L	275285	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
3	o-Cymene	134	C10H14	000527-84-4	64
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	o-Cymene	134	C10H14	000527-84-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

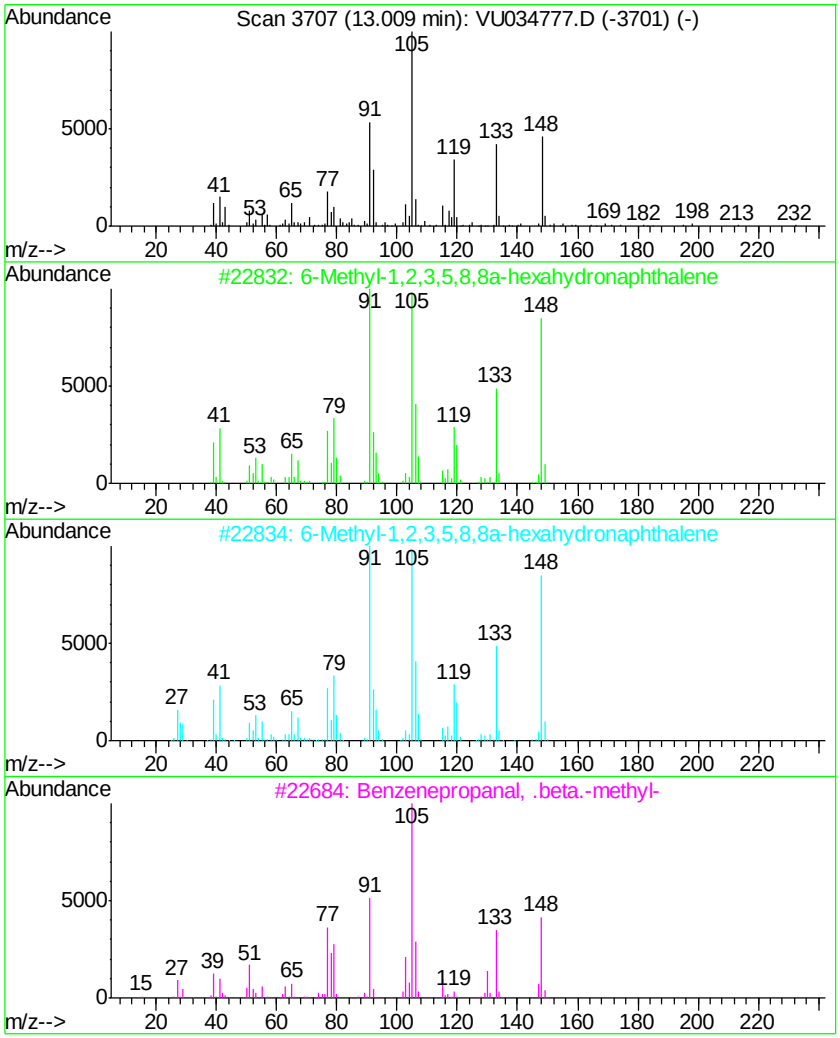
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

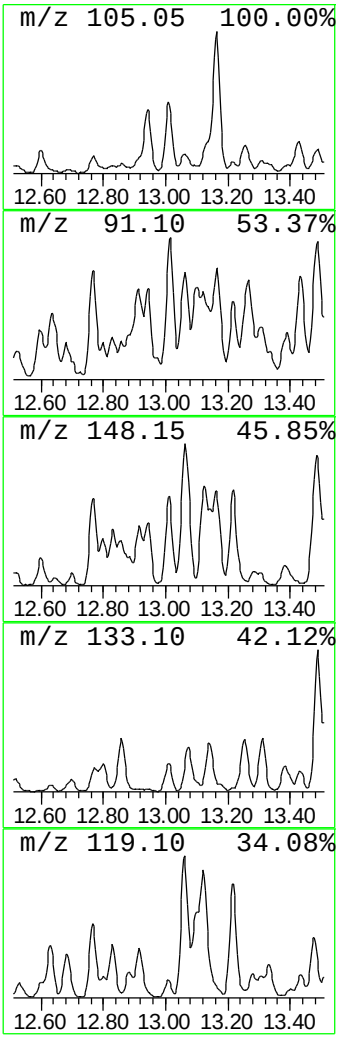
****

Peak Number 16 6-Methyl-1,2,3,5,8,8a-hexah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	5.82 ug/L	239460	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	72
2	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	72
3	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	47
4	2-Nitrophenyl-.beta.-phenylpropi...	271	C15H13NO4	040123-51-1	43
5	3-Phenylpropionic acid, 2,3,4,6-...	362	C15H10Cl4O2	1000354-74-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

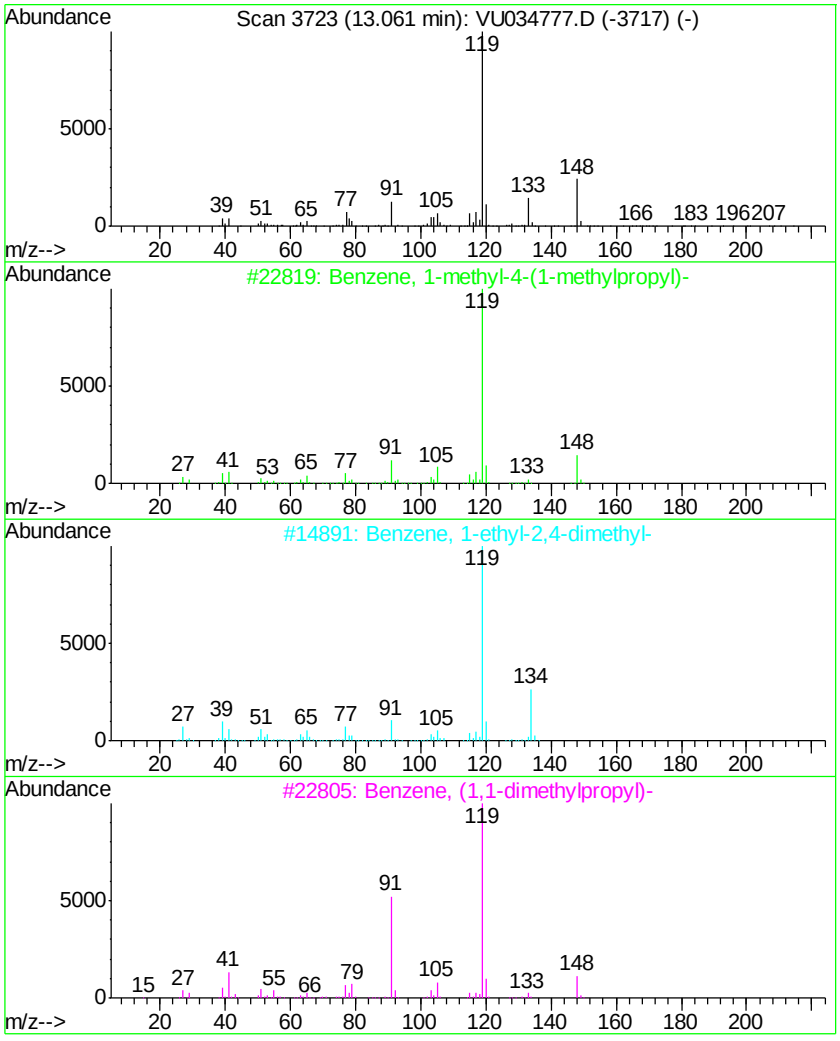
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

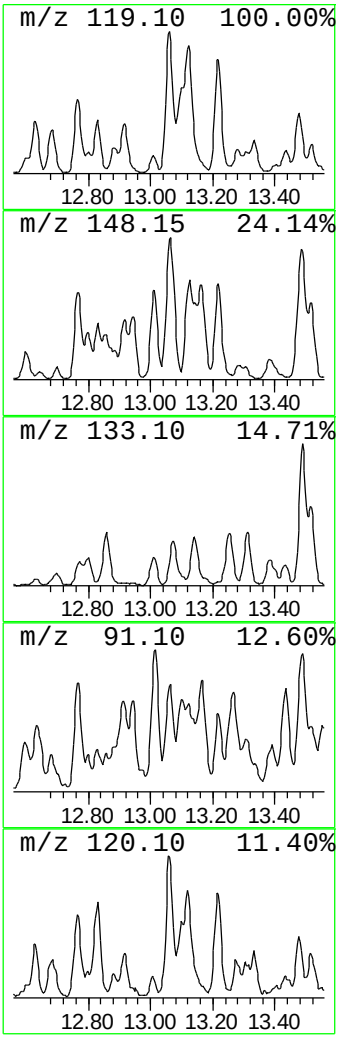
****

Peak Number 17 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	7.35 ug/L	302272	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	72
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

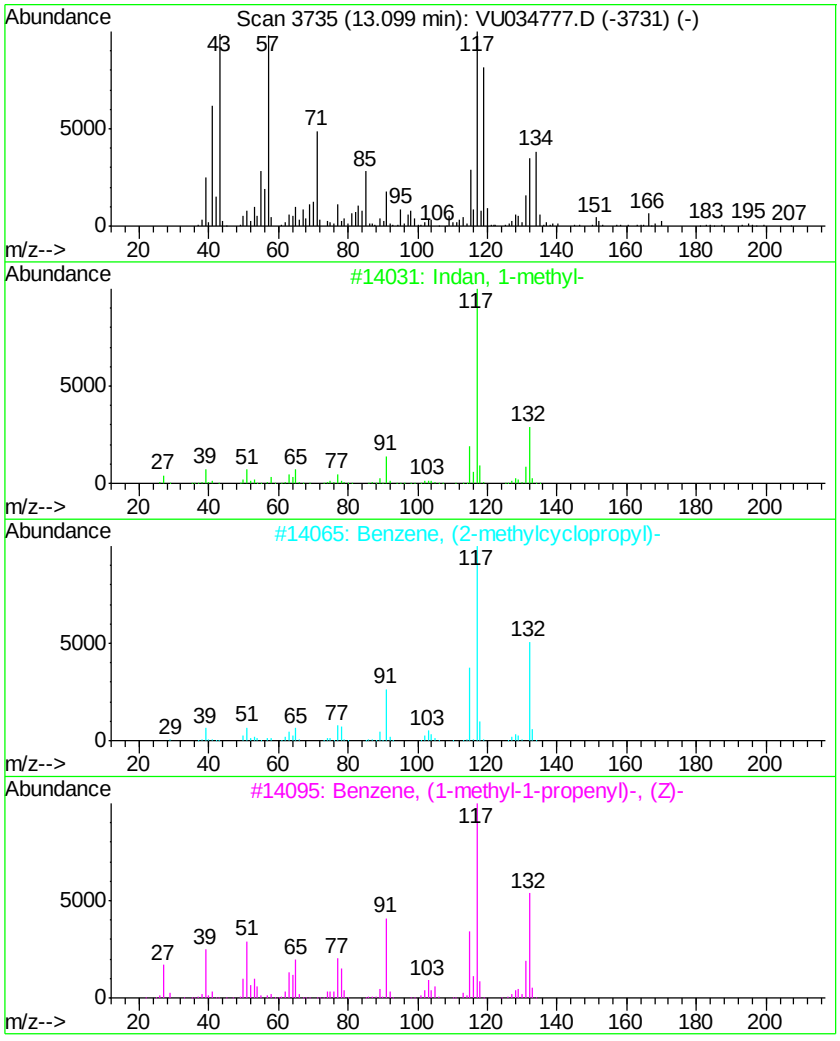
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

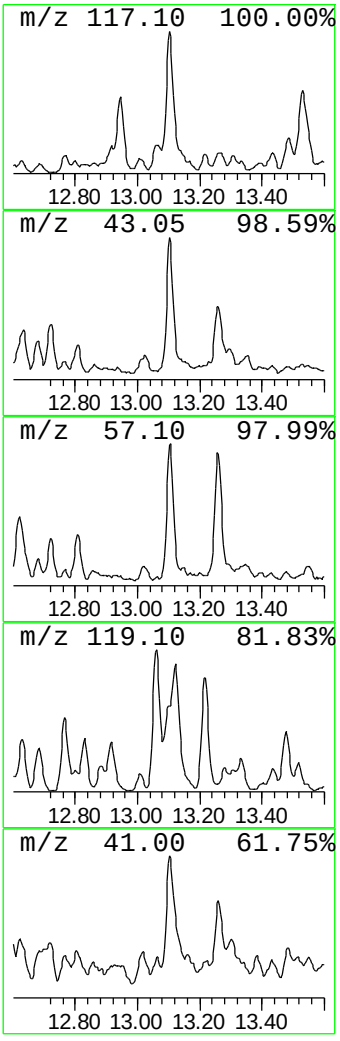
****

Peak Number 18 Indan, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	14.43 ug/L	593662	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	50
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	50
4	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	50
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

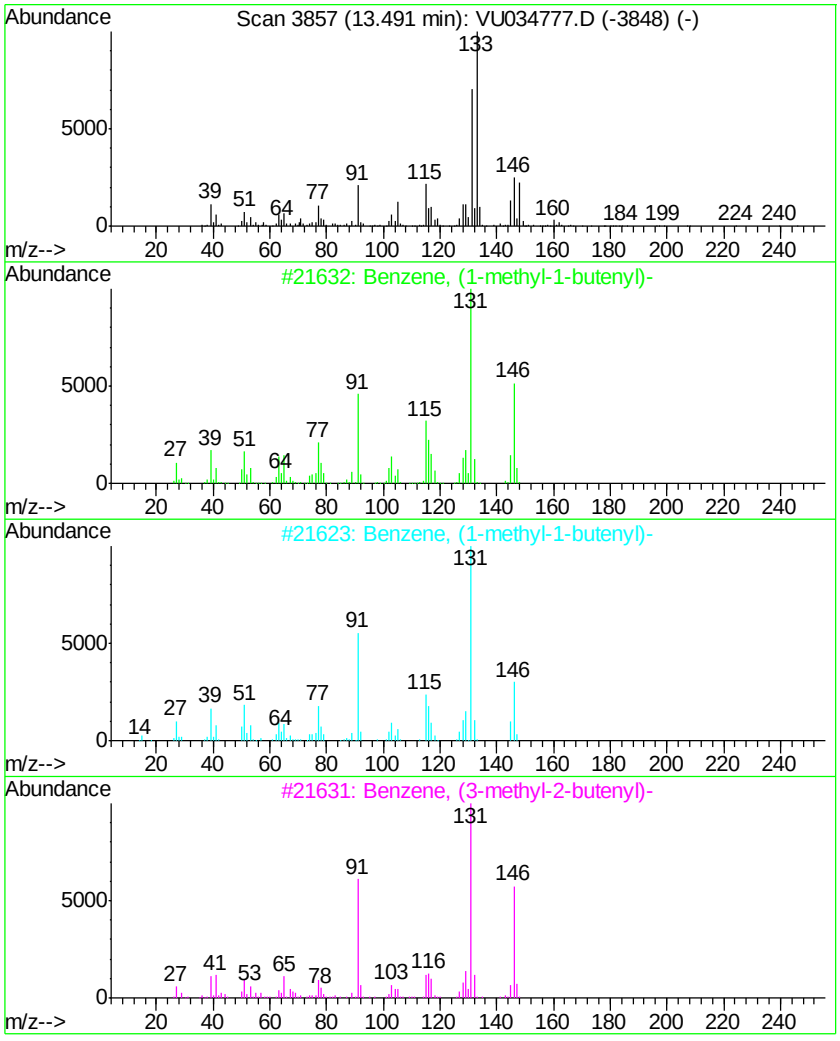
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

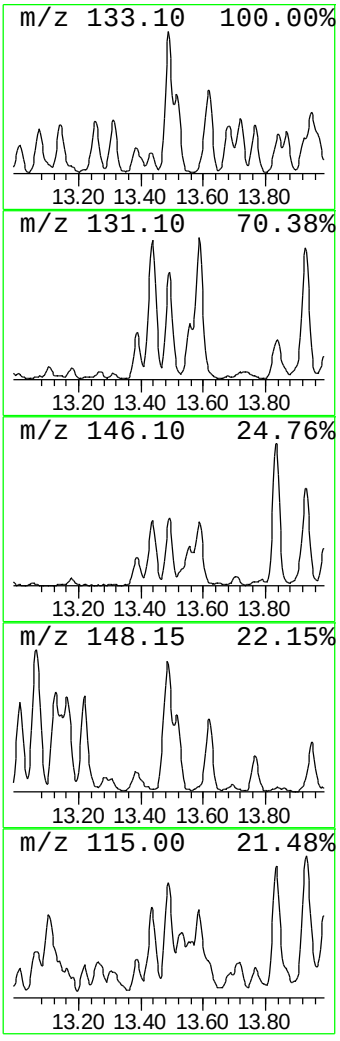
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, (1-methyl-1-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	13.83 ug/L	569216	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	84
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

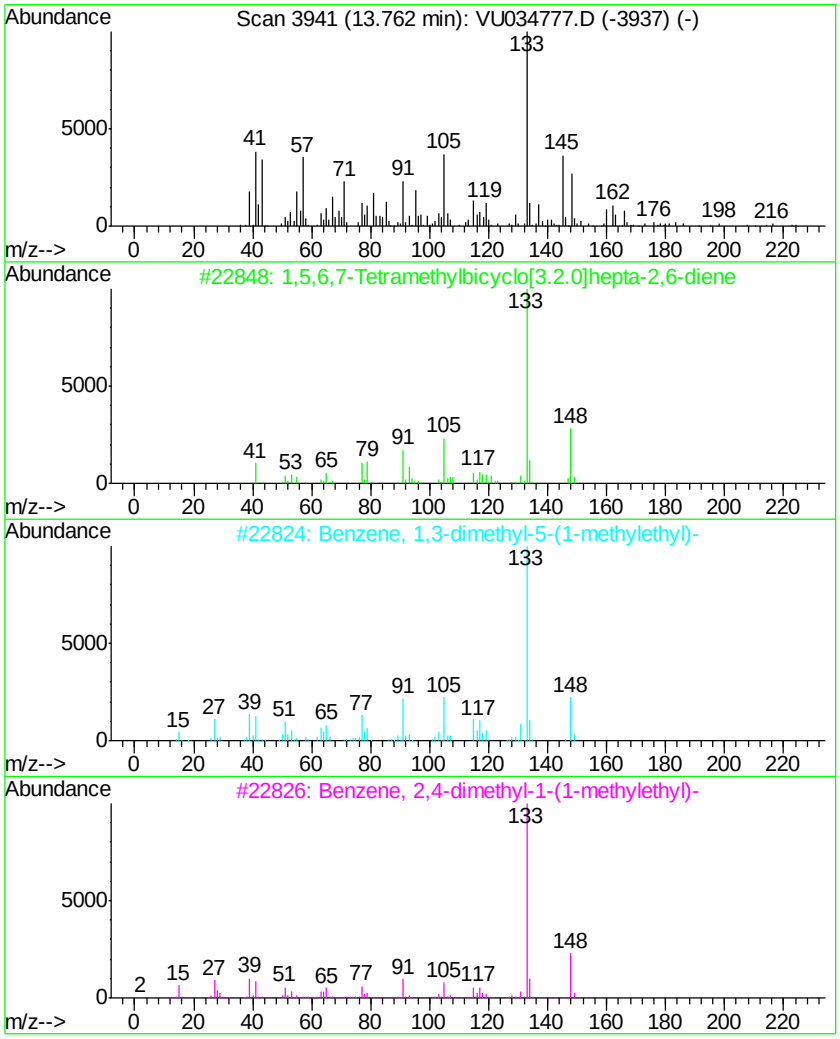
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

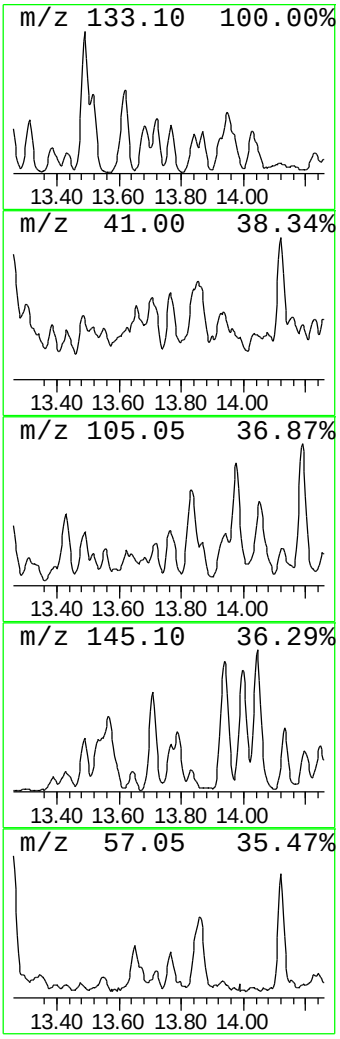
****

Peak Number 20 1,5,6,7-Tetramethylbicyclo[... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.99 ug/L	205475	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	64
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	55
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	50





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Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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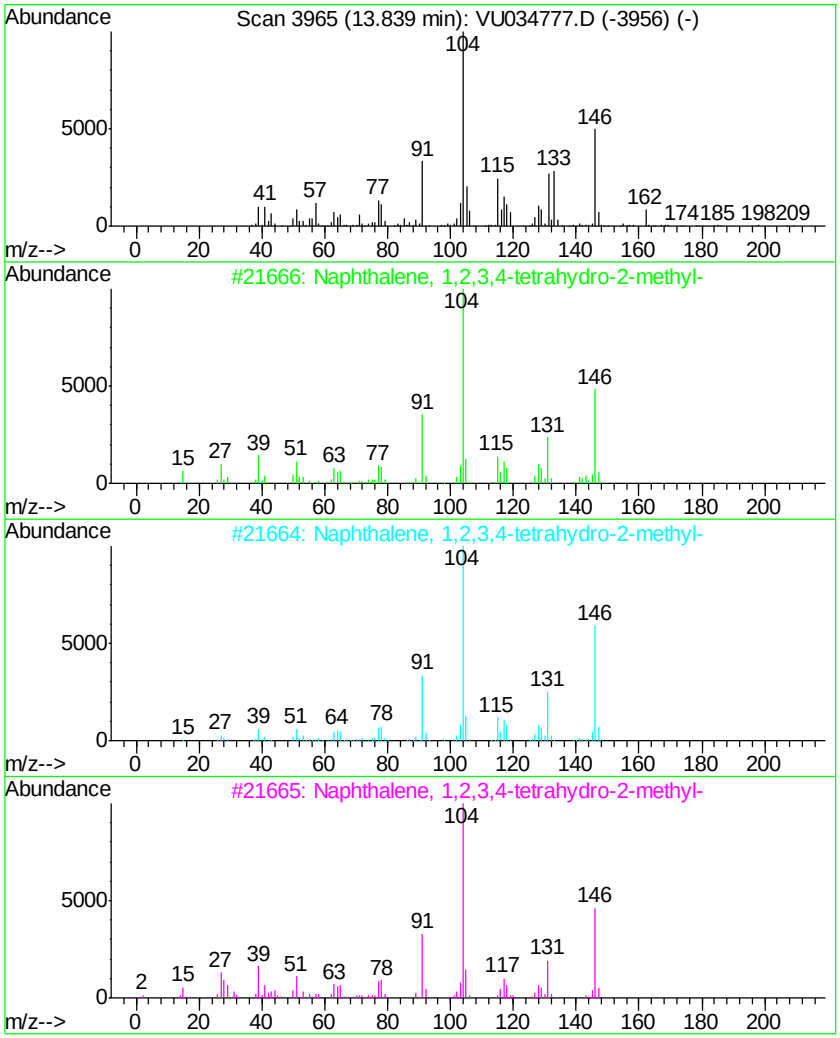
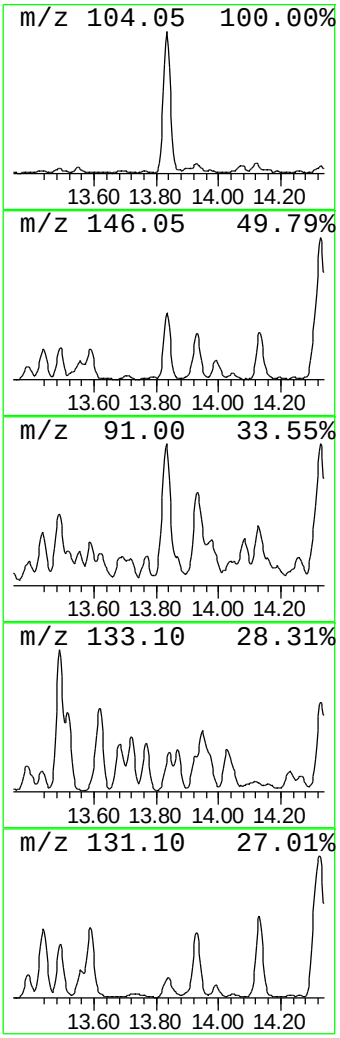
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	16.38 ug/L	673997	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
5	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	64





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Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

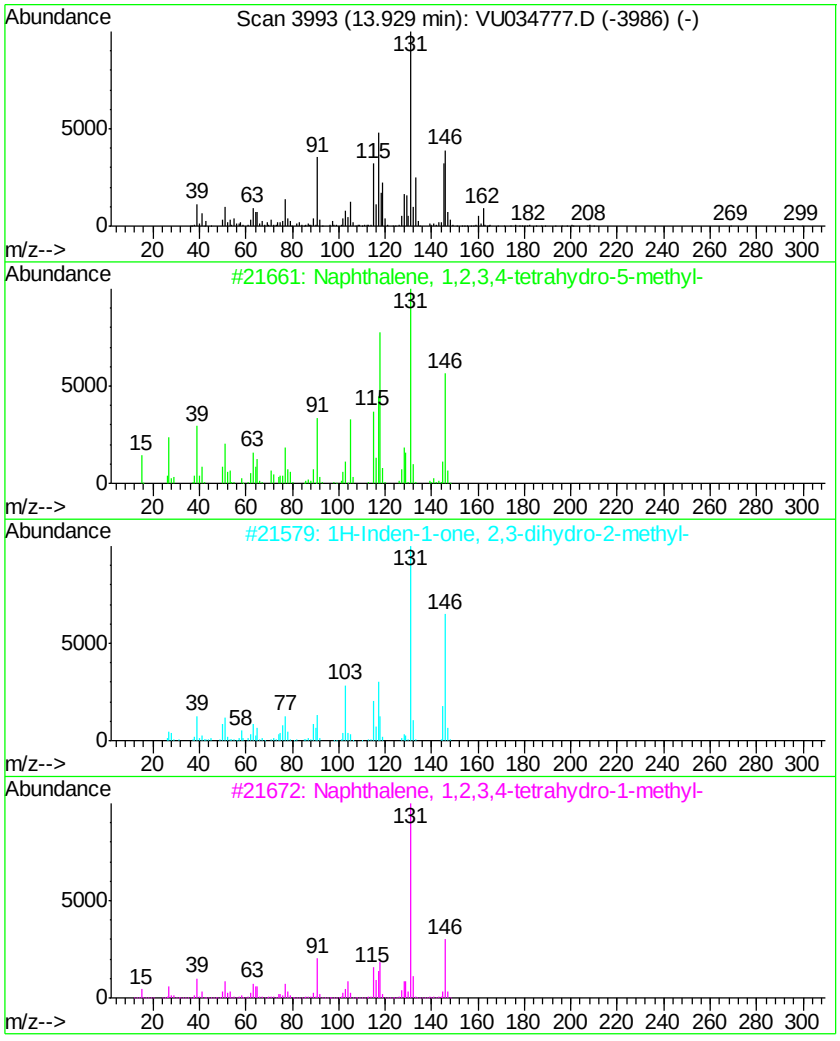
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

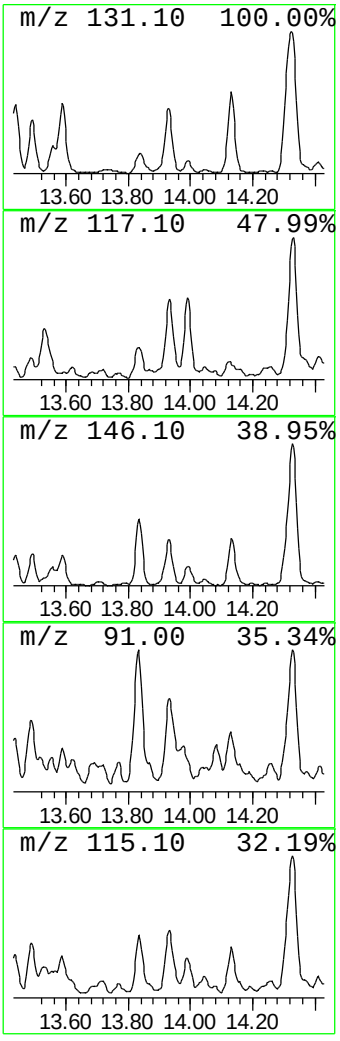
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	16.52 ug/L	679682	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	58
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	55
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55





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Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

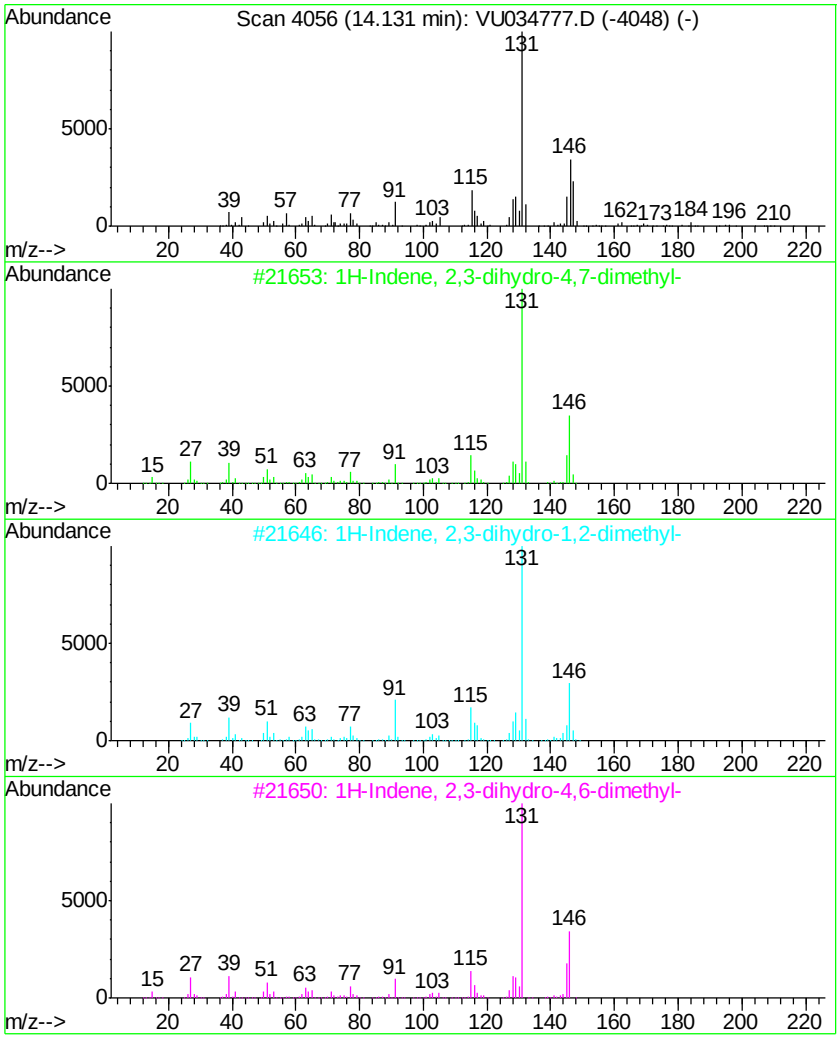
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

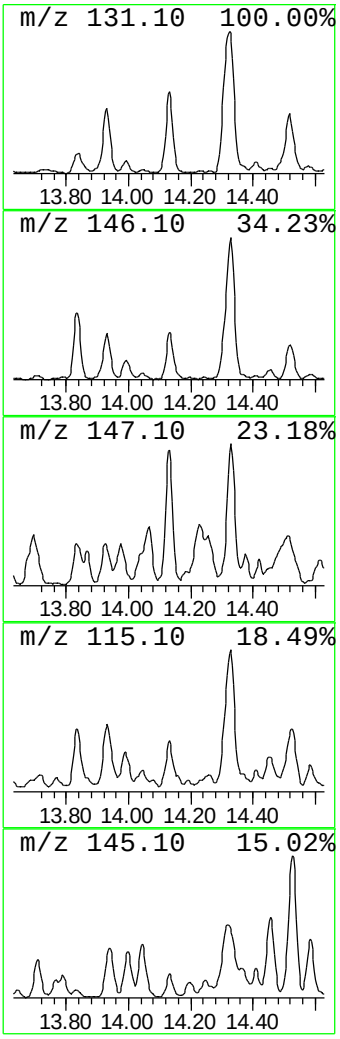
****

Peak Number 23 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	14.45 ug/L	594406	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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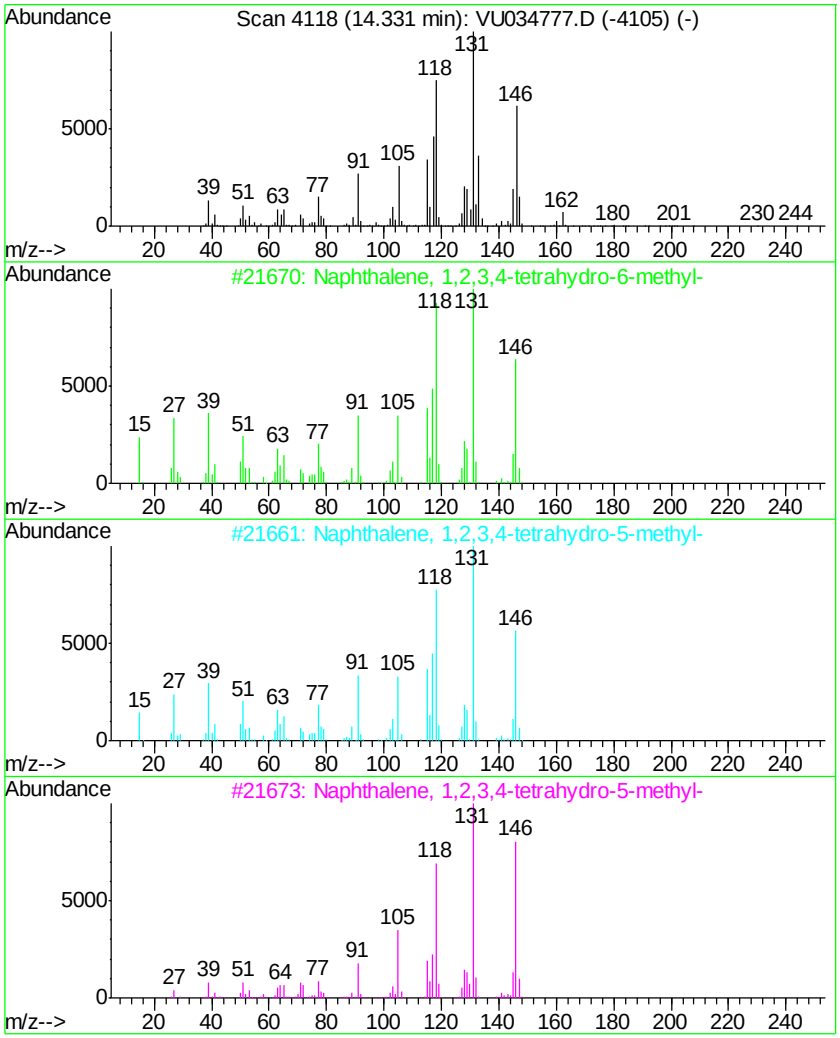
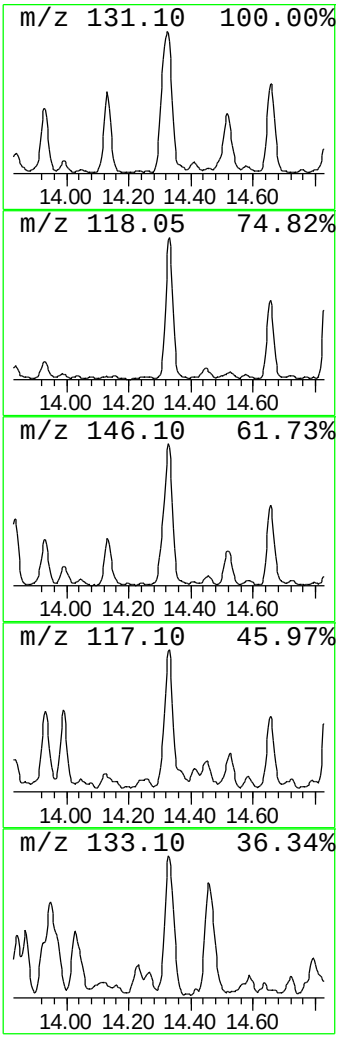
Peak Number 24 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	48.78 ug/L	2007120	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

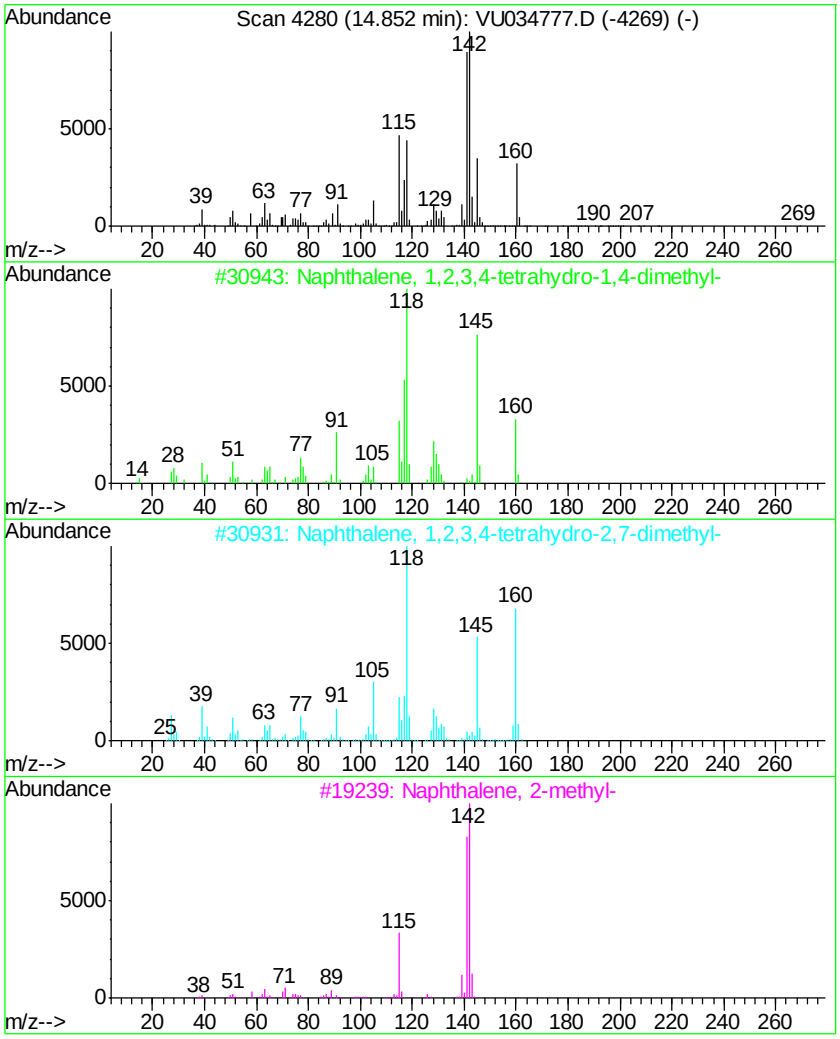
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

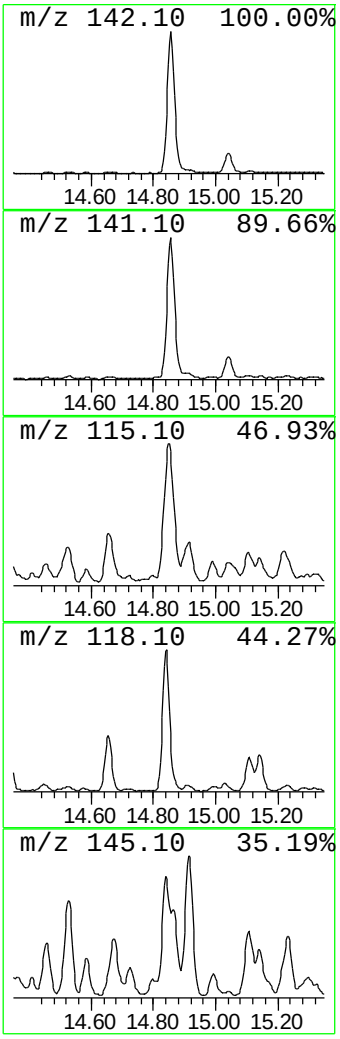
****

Peak Number 26 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	53.98 ug/L	2221080	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	50
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	42
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	42
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	42





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Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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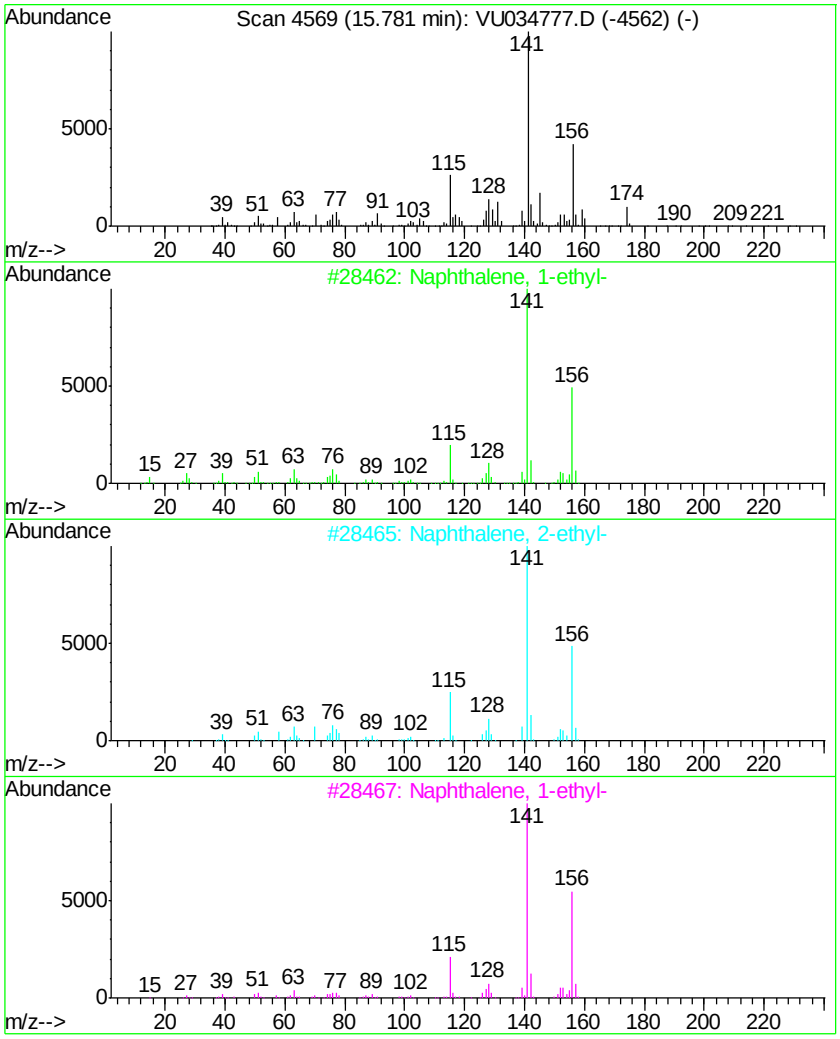
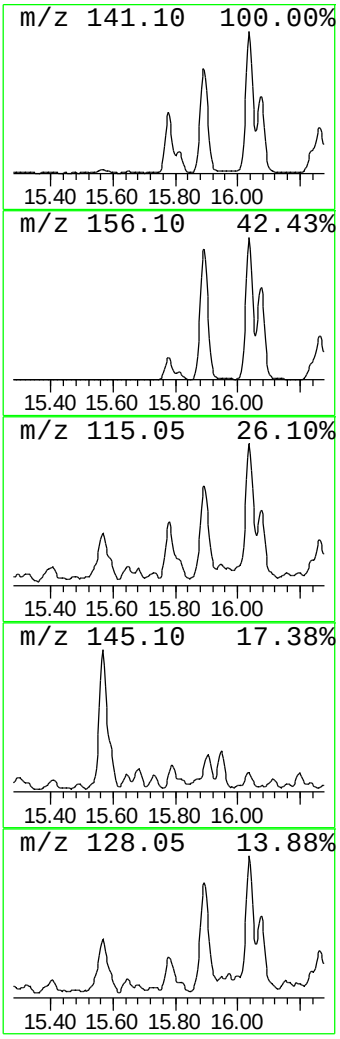
Peak Number 27 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	19.27 ug/L	793061	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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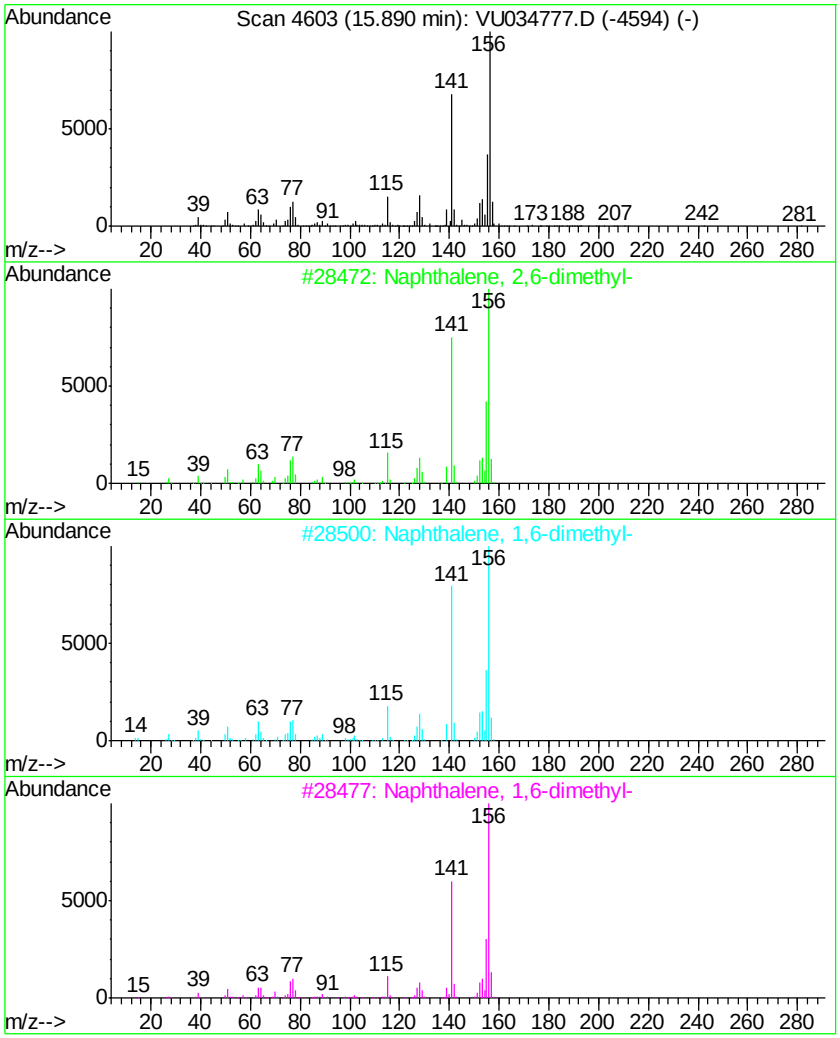
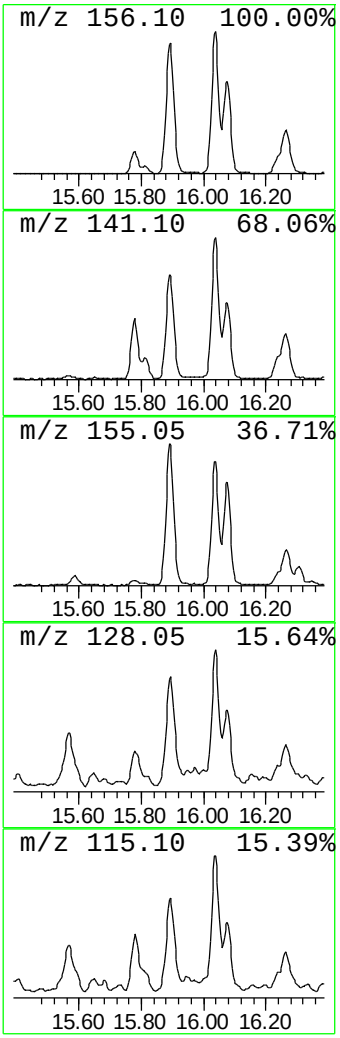
Peak Number 28 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	63.96 ug/L	2631620	1,4-Dichlorobenzene-d4	11.46

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	98
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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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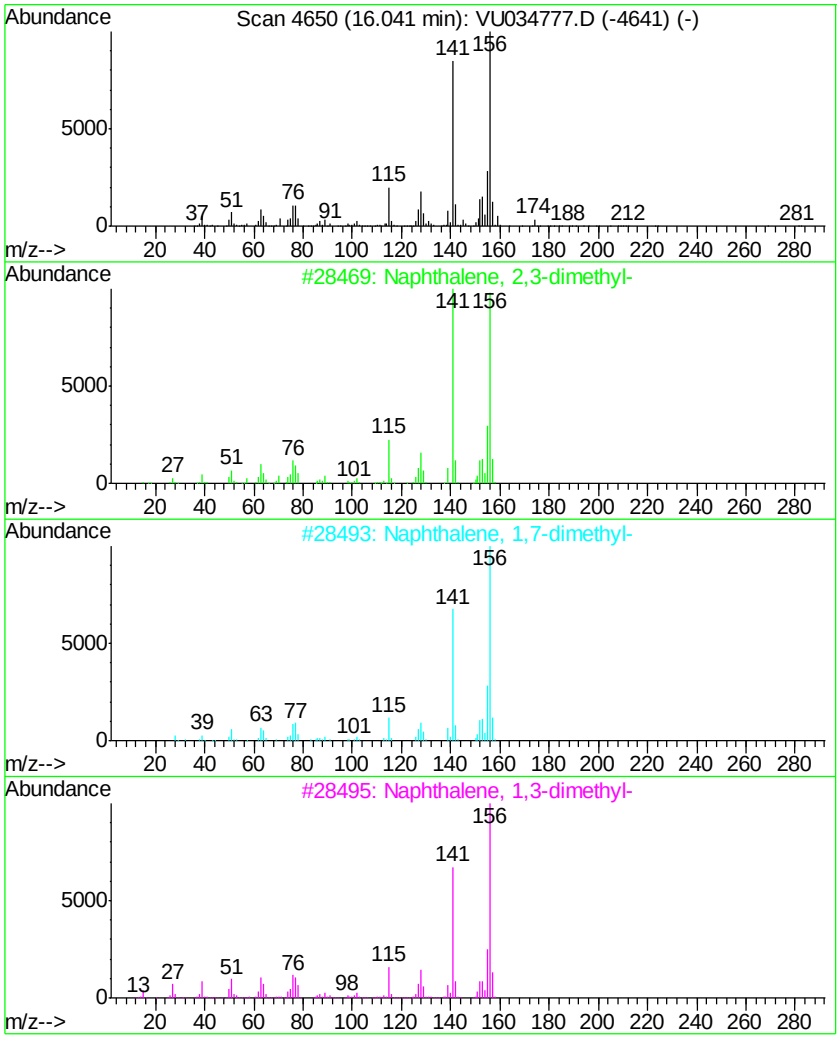
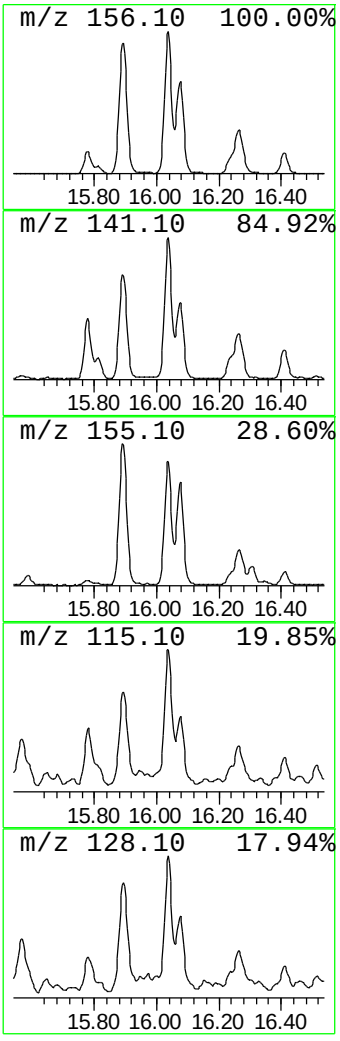
Peak Number 29 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	57.10 ug/L	2349420	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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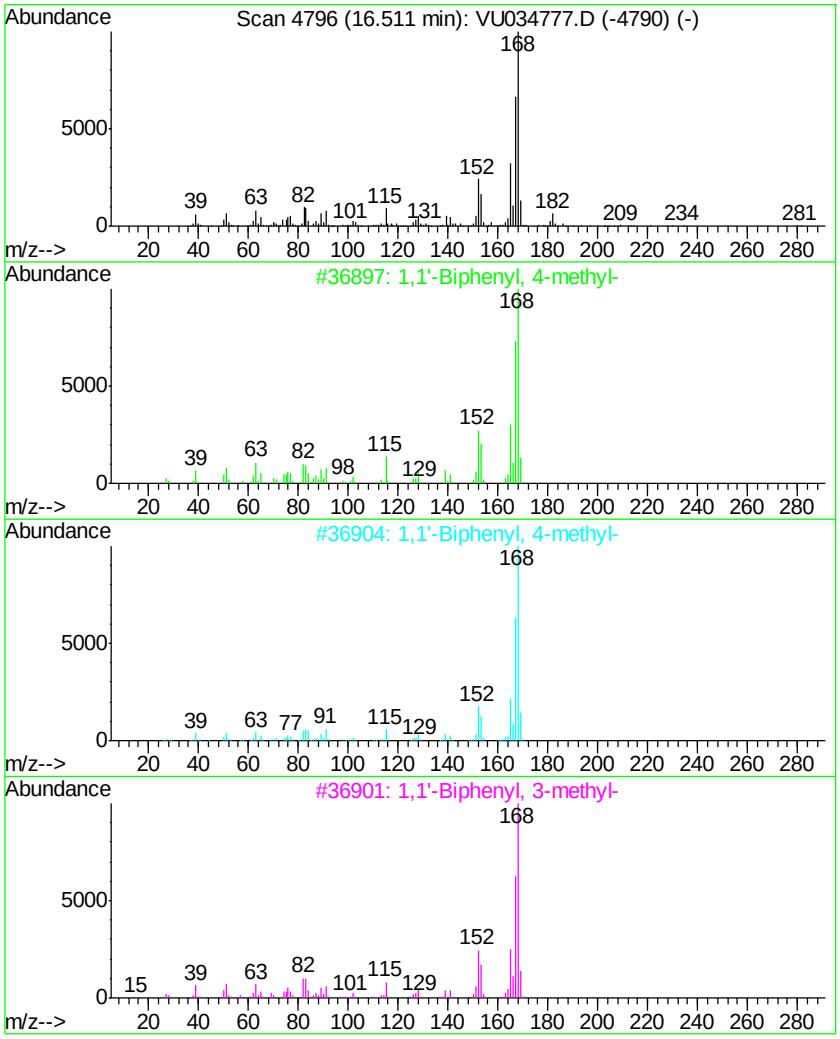
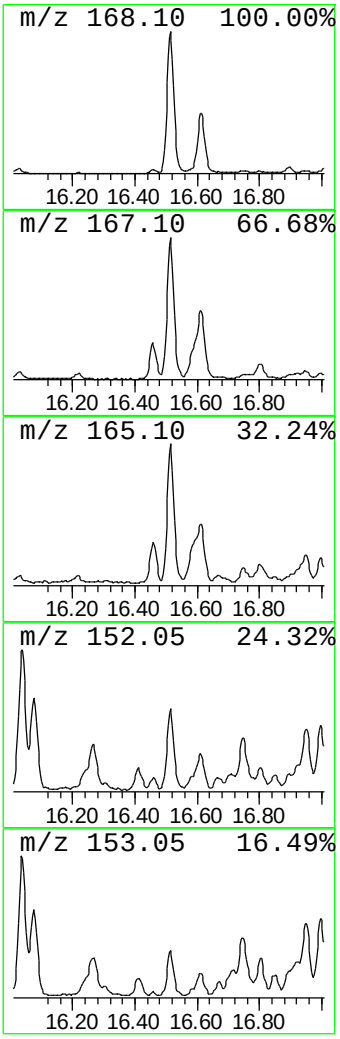
Peak Number 30 1,1'-Biphenyl, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	18.11 ug/L	745210	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	97
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	93
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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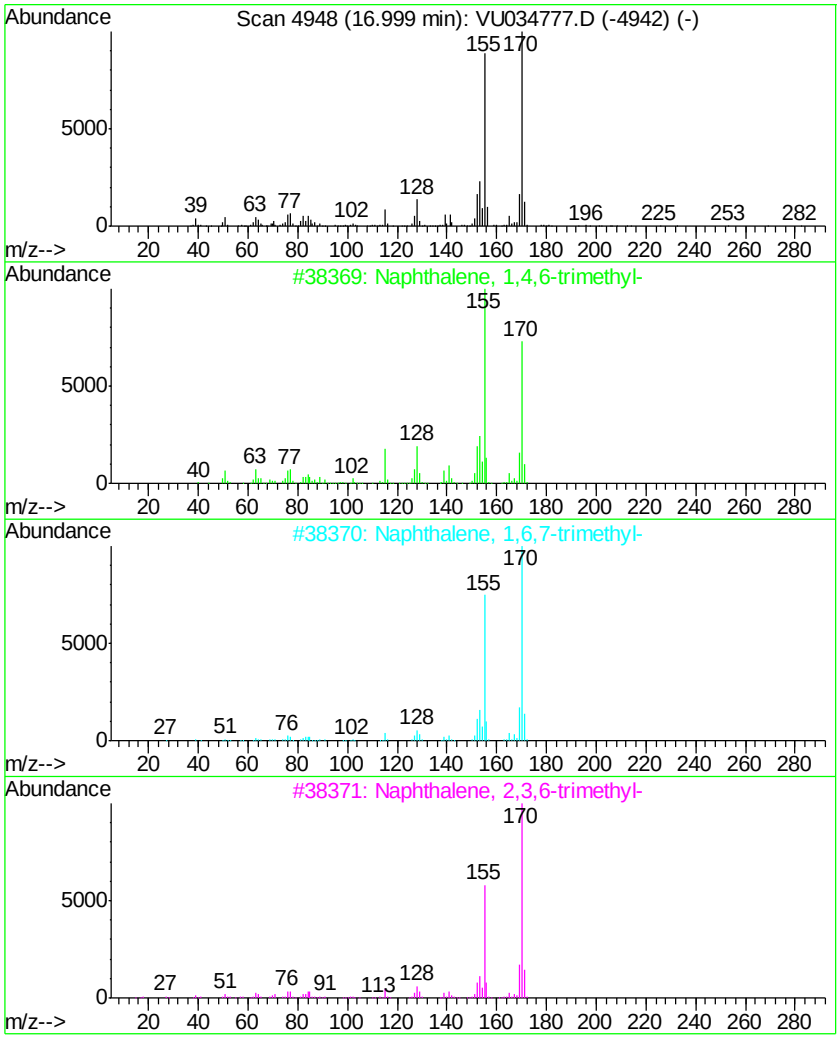
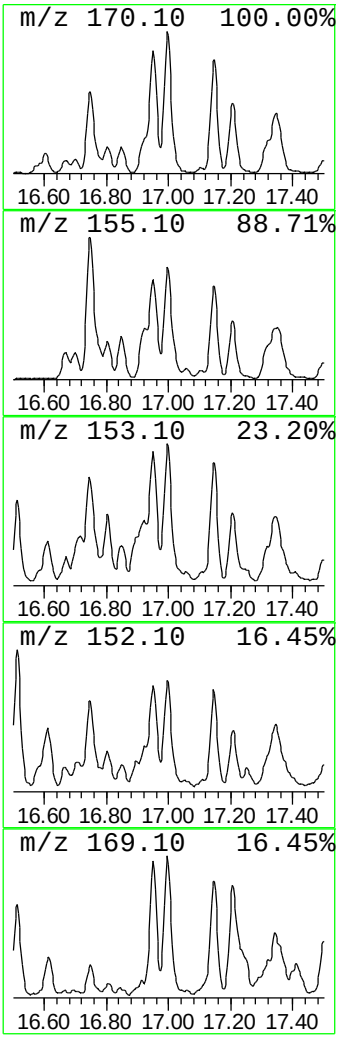
Peak Number 31 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	17.20 ug/L	707827	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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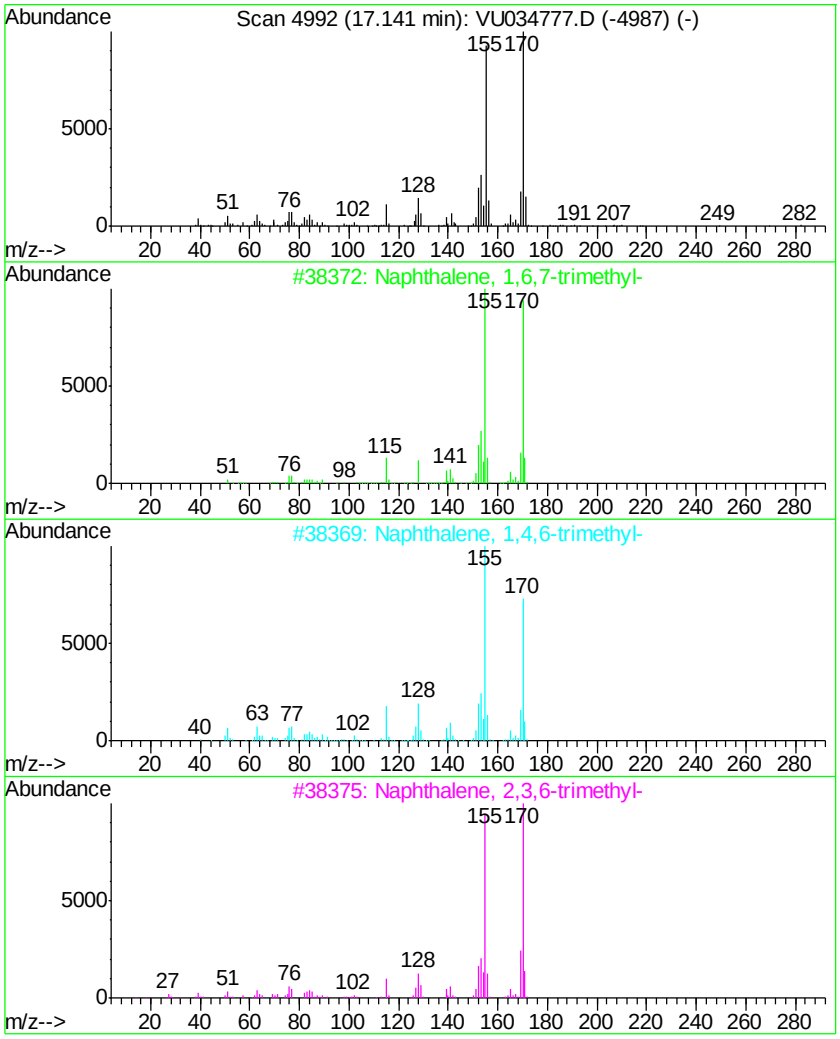
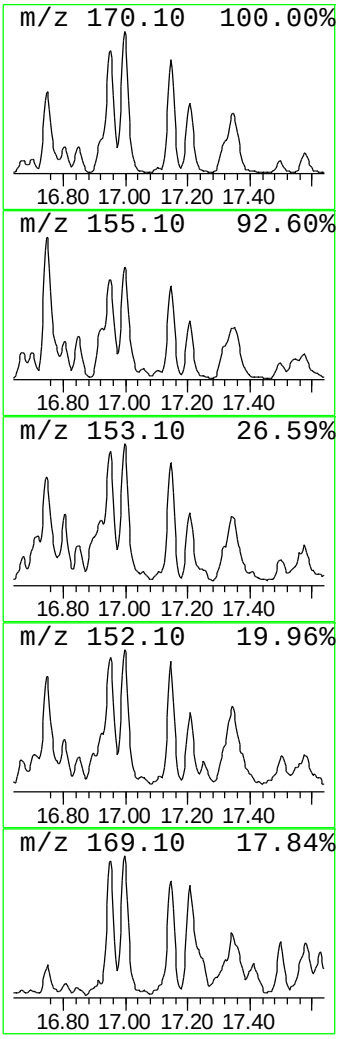
Peak Number 32 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	16.92 ug/L	696096	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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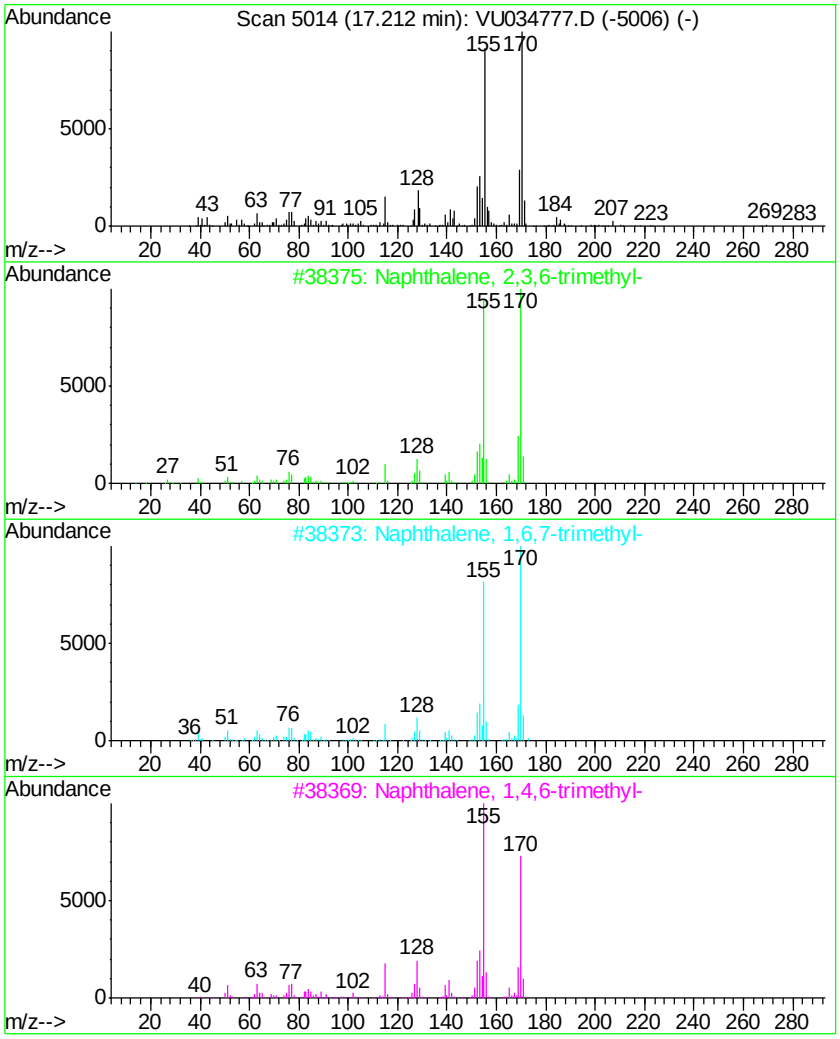
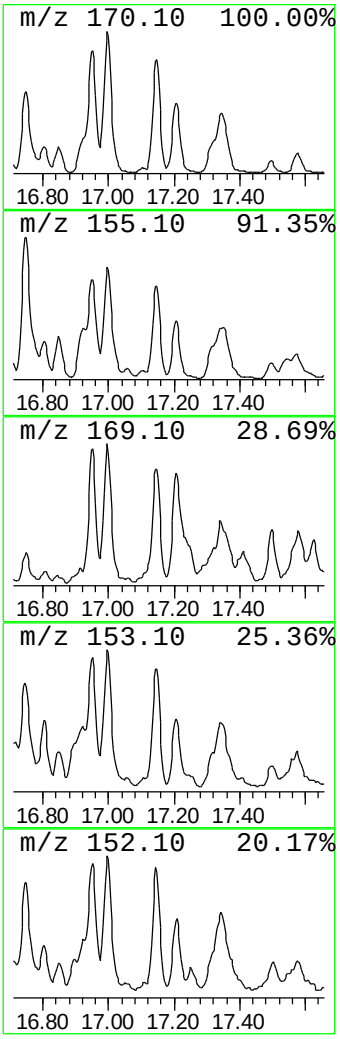
Peak Number 33 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	10.35 ug/L	425650	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034777.D
Acq On : 24 Sep 2019 17:36
Operator : JC/SP
Sample : K4958-10ME
Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESNZ2ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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
(DEL) Alkane: Cyc...	8.52	3.1	ug/L	131878	2	9.07	2117410	50.0
(DEL) Alkane: Cyc...	8.58	2.7	ug/L	116100	2	9.07	2117410	50.0
(DEL) Alkane: Str...	8.88	3.3	ug/L	140092	2	9.07	2117410	50.0
(DEL) Alkane: Str...	9.01	3.1	ug/L	131189	2	9.07	2117410	50.0
(DEL) Alkane: Str...	9.42	6.2	ug/L	262323	2	9.07	2117410	50.0
(DEL) Alkane: Cyc...	9.70	3.0	ug/L	126838	2	9.07	2117410	50.0
(DEL) Alkane: Cyc...	10.02	4.4	ug/L	186794	2	9.07	2117410	50.0
(DEL) Alkane: Str...	10.79	5.1	ug/L	211463	3	11.46	2057270	50.0
(DEL) Alkane: Str...	12.00	3.2	ug/L	131387	3	11.46	2057270	50.0
Benzene, 2-ethyl-...	12.13	3.1	ug/L	129013	3	11.46	2057270	50.0
unknown-01	12.59	3.2	ug/L	132020	3	11.46	2057270	50.0
Benzene, 1-ethyl-...	12.77	6.7	ug/L	275285	3	11.46	2057270	50.0
6-Methyl-1,2,3,5,...	13.01	5.8	ug/L	239460	3	11.46	2057270	50.0
Benzene, 1-methyl...	13.06	7.3	ug/L	302272	3	11.46	2057270	50.0
Indan, 1-methyl-	13.10	14.4	ug/L	593662	3	11.46	2057270	50.0
Benzene, (1-methy...	13.49	13.8	ug/L	569216	3	11.46	2057270	50.0
1,5,6,7-Tetrameth...	13.76	5.0	ug/L	205475	3	11.46	2057270	50.0
Naphthalene, 1,2,...	13.84	16.4	ug/L	673997	3	11.46	2057270	50.0
Naphthalene, 1,2,...	13.93	16.5	ug/L	679682	3	11.46	2057270	50.0
1H-Indene, 2,3-di...	14.13	14.4	ug/L	594406	3	11.46	2057270	50.0
Naphthalene, 1,2,...	14.33	48.8	ug/L	2007120	3	11.46	2057270	50.0
Naphthalene, 1,2,...	14.85	54.0	ug/L	2221080	3	11.46	2057270	50.0
Naphthalene, 1-et...	15.78	19.3	ug/L	793061	3	11.46	2057270	50.0
Naphthalene, 2,6-...	15.89	64.0	ug/L	2631620	3	11.46	2057270	50.0
Naphthalene, 2,3-...	16.04	57.1	ug/L	2349420	3	11.46	2057270	50.0
1,1'-Biphenyl, 4-...	16.51	18.1	ug/L	745210	3	11.46	2057270	50.0
Naphthalene, 1,4,...	17.00	17.2	ug/L	707827	3	11.46	2057270	50.0
Naphthalene, 1,6,...	17.14	16.9	ug/L	696096	3	11.46	2057270	50.0
Naphthalene, 2,3,...	17.21	10.4	ug/L	425650	3	11.46	2057270	50.0