LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

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\SOMULM060619WMA.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	1.396	89	95	104	rVB	59940	61894	7.12%	0.593%
2	1.675	176	182	194	rVB	56906	70026	8.05%	0.671%
3	2.267	358	366	377	rVB	116800	175905	20.23%	1.686%
4	2.444	413	421	431	rBV2	5581	9651	1.11%	0.092%
5	2.820	531	538	541	rBV2	1164	1193	0.14%	0.011%
6	2.942	573	576	579	rVB2	208	128	0.01%	0.001%
7	3.067	611	615	618	rBV2	337	297	0.03%	0.003%
8	3.180	640	650	665	rBV2	5212	12104	1.39%	0.116%
9	3.289	681	684	685	rBV2	193	115	0.01%	0.001%
10	3.440	724	731	732	rBV	172	222	0.03%	0.002%
11	3.575	770	773	777	rBV2	247	230	0.03%	0.002%
12	3.662	795	800	803	rBV	214	146	0.02%	0.001%
13	3.707	811	814	817	rVV	191	149	0.02%	0.001%
14	3.829	847	852	856	rBV	253	185	0.02%	0.002%
15	3.871	862	865	873	rVB2	204	196	0.02%	0.002%
16	3.987	889	901	920	rBV4	9732	27225	3.13%	0.261%
17	4.170	946	958	992	rBV	64405	173012	19.90%	1.658%
18	4.640	1088	1104	1127	rBV	105432	249189	28.66%	2.388%
19	4.775	1144	1146	1150	rBV2	265	214	0.02%	0.002%
20	4.858	1170	1172	1174	rBV	243	158	0.02%	0.002%
21	4.919	1187	1191	1195	rBV	178	158	0.02%	0.002%
22	4.945	1197	1199	1202	rVB	289	122	0.01%	0.001%
23	4.990	1207	1213	1215	rBV3	427	324	0.04%	0.003%
24	5.026	1221	1224	1225	rBV	167	119	0.01%	0.001%
25	5.128	1253	1256	1258	rBV	156	104	0.01%	0.001%
26	5.334	1297	1320	1349	rBV2	209652	625702	71.96%	5.996%
27	5.704	1432	1435	1436	rBV	149	102	0.01%	0.001%
28	5.759	1448	1452	1456	rVB2	206	211	0.02%	0.002%
29	5.788	1456	1461	1463	rBV	167	124	0.01%	0.001%
30	5.833	1472	1475	1477	rBV	162	119	0.01%	0.001%
31	5.881	1477	1490	1519	rBV	229952	449878	51.74%	4.311%
32	6.180	1574	1583	1596	rBV9	3072	6164	0.71%	0.059%
33	6.325	1613	1628	1646	rBV	143042	288718	33.20%	2.767%
34	6.572	1702	1705	1707	rBV	217	153	0.02%	0.001%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

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\SOMULM060619WMA.M
Title : VOC Analysis

35	6.608	1713	1716	1721	rVB2	191	176	0.02%	0.002%
36	6.672	1734	1736	1739	rVB	202	114	0.01%	0.001%
37	6.691	1739	1742	1748	rVB2	252	222	0.03%	0.002%
38	6.739	1748	1757	1760	rBV2	290	438	0.05%	0.004%
39	6.820	1780	1782	1786	rVB2	205	118	0.01%	0.001%
40	6.868	1790	1797	1799	rBV	153	144	0.02%	0.001%
41	7.016	1840	1843	1846	rBV	240	129	0.01%	0.001%
42	7.125	1873	1877	1881	rBV	211	168	0.02%	0.002%
43	7.186	1893	1896	1897	rBV	271	134	0.02%	0.001%
44	7.225	1897	1908	1929	rBV	77423	142113	16.34%	1.362%
45	7.559	1999	2012	2030	rBV	286868	501722	57.70%	4.808%
46	7.845	2091	2101	2118	rBV	52875	93611	10.77%	0.897%
47	8.025	2153	2157	2159	rBV2	367	229	0.03%	0.002%
48	8.096	2175	2179	2180	rBV	198	133	0.02%	0.001%
49	8.173	2192	2203	2213	rBV3	1533	2763	0.32%	0.026%
50	8.228	2213	2220	2229	rVB4	2761	4123	0.47%	0.040%
51	8.267	2229	2232	2234	rBV2	194	155	0.02%	0.001%
52	8.305	2234	2244	2277	rBV	206519	382680	44.01%	3.667%
53	8.569	2324	2326	2329	rBV	300	200	0.02%	0.002%
54	8.630	2340	2345	2347	rBV2	272	190	0.02%	0.002%
55	8.691	2362	2364	2365	rBV	241	116	0.01%	0.001%
56	8.739	2376	2379	2386	rVB2	232	205	0.02%	0.002%
57	8.894	2424	2427	2430	rVB2	227	160	0.02%	0.002%
58	8.916	2430	2434	2440	rVB	146	117	0.01%	0.001%
59	8.948	2440	2444	2448	rBV2	199	214	0.02%	0.002%
60	9.083	2473	2486	2514	rBV	330359	559076	64.30%	5.357%
61	9.251	2532	2538	2550	rVB2	4415	6540	0.75%	0.063%
62	9.373	2565	2576	2594	rBV3	16686	30486	3.51%	0.292%
63	9.437	2594	2596	2599	rVB2	320	213	0.02%	0.002%
64	9.775	2692	2701	2716	rBV	24041	39790	4.58%	0.381%
65	9.858	2725	2727	2732	rVB2	198	151	0.02%	0.001%
66	9.900	2738	2740	2746	rVB2	245	181	0.02%	0.002%
67	9.945	2748	2754	2757	rBV4	604	734	0.08%	0.007%
68	10.041	2779	2784	2789	rBV2	607	616	0.07%	0.006%
69	10.164	2811	2822	2840	rBV	66916	107581	12.37%	1.031%
70	10.427	2891	2904	2920	rBV	225205	367803	42.30%	3.524%
71	10.582	2937	2952	2969	rBV	132971	209204	24.06%	2.005%

LSC Area Percent Report

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Operator : JC/SP
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

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\SOMULM060619WMA.M
Title : VOC Analysis

72	10.675	2970	2981	3000	rVV	411818	847591	97.48%	8.122%
73	10.768	3000	3010	3027	rVB	171406	266178	30.61%	2.551%
74	10.964	3061	3071	3089	rVB	268468	423583	48.71%	4.059%
75	11.096	3103	3112	3116	rBV2	6736	9199	1.06%	0.088%
76	11.144	3116	3127	3145	rVB	567908	869542	100.00%	8.332%
77	11.286	3166	3171	3176	rBV2	7278	10282	1.18%	0.099%
78	11.421	3203	3213	3221	rBV	32182	46673	5.37%	0.447%
79	11.479	3221	3231	3247	rVV	361938	581558	66.88%	5.573%
80	11.566	3248	3258	3275	rVB	186709	291918	33.57%	2.797%
81	11.681	3286	3294	3304	rVB2	12158	18218	2.10%	0.175%
82	11.765	3307	3320	3329	rBV3	148454	311676	35.84%	2.987%
83	11.855	3339	3348	3376	rVB2	367127	684542	78.72%	6.560%
84	11.977	3377	3386	3399	rVB	33892	52111	5.99%	0.499%
85	12.051	3399	3409	3424	rVB	67627	105269	12.11%	1.009%
86	12.141	3428	3437	3442	rBV	79173	120806	13.89%	1.158%
87	12.247	3461	3470	3487	rBV	71537	121673	13.99%	1.166%
88	12.485	3535	3544	3552	rBV4	15565	25486	2.93%	0.244%
89	12.659	3579	3598	3604	rBV2	61242	133001	15.30%	1.274%
90	12.781	3629	3636	3645	rBV2	20764	29142	3.35%	0.279%
91	13.012	3700	3708	3719	rBV3	28372	45621	5.25%	0.437%
92	13.282	3785	3792	3807	rVB	23177	37913	4.36%	0.363%
93	13.408	3822	3831	3843	rBV4	11754	23576	2.71%	0.226%
94	13.604	3883	3892	3898	rBV	174555	248791	28.61%	2.384%
95	14.041	4021	4028	4043	rVB3	23839	39261	4.52%	0.376%
96	14.327	4110	4117	4121	rBV6	7201	10368	1.19%	0.099%
97	14.430	4142	4149	4164	rVB4	20058	34404	3.96%	0.330%
98	14.614	4198	4206	4220	rBV	25725	44922	5.17%	0.430%
99	14.839	4265	4276	4284	rBV	186116	303793	34.94%	2.911%
100	15.061	4337	4345	4356	rBV3	55322	91755	10.55%	0.879%

Sum of corrected areas: 10435838

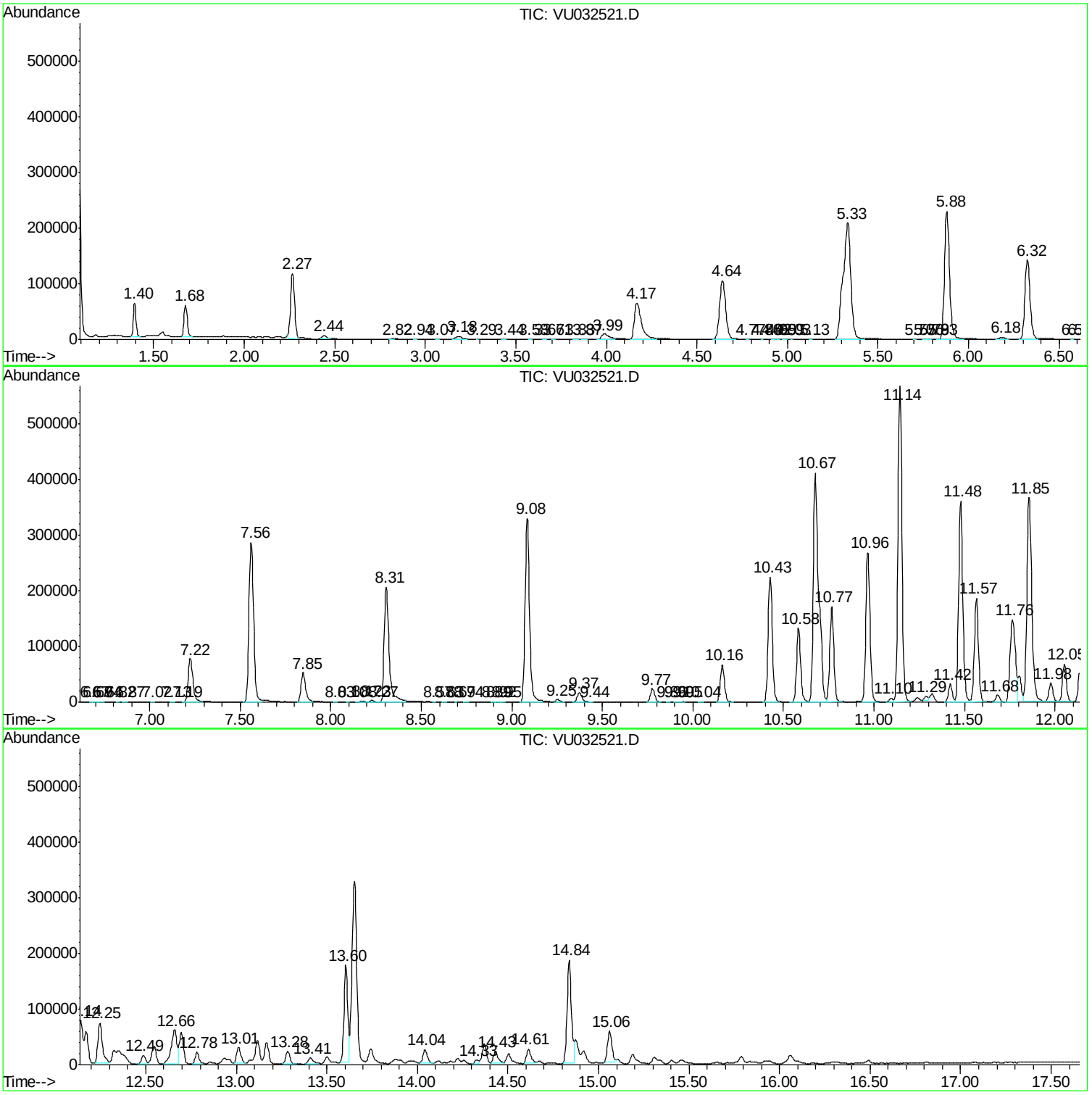
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
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Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

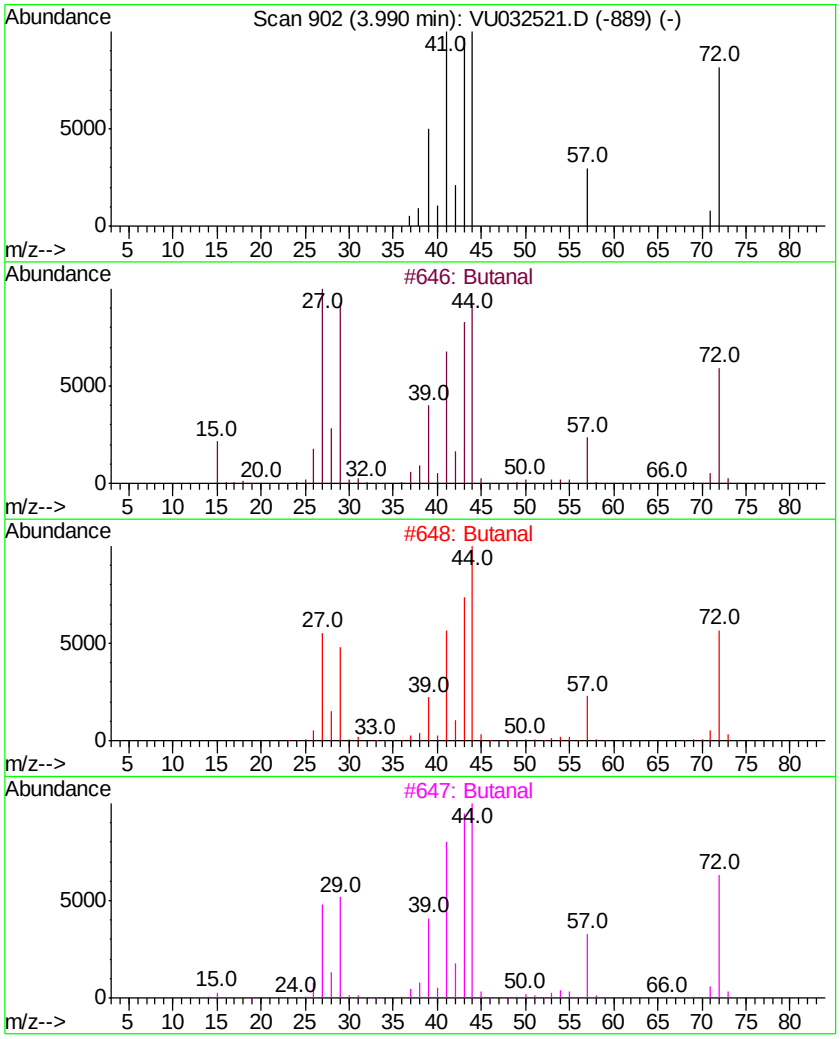
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

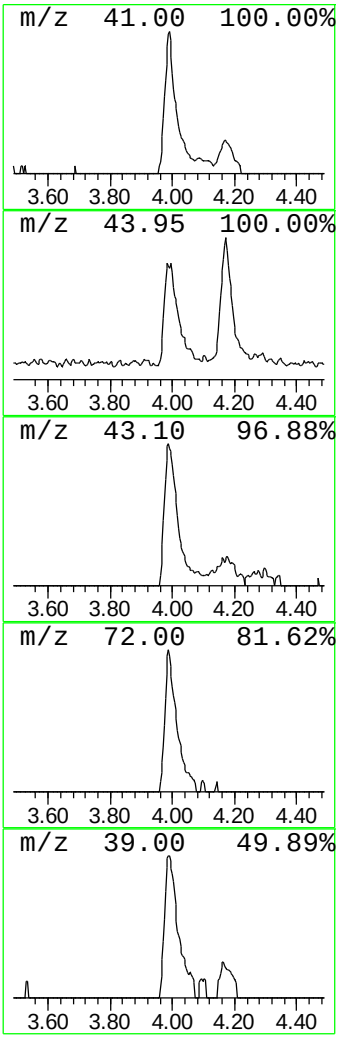
****

Peak Number 1 Butanal Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	3.03 ug/L	27225	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	91
2	Butanal	72	C4H8O	000123-72-8	72
3	Butanal	72	C4H8O	000123-72-8	50
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	9
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

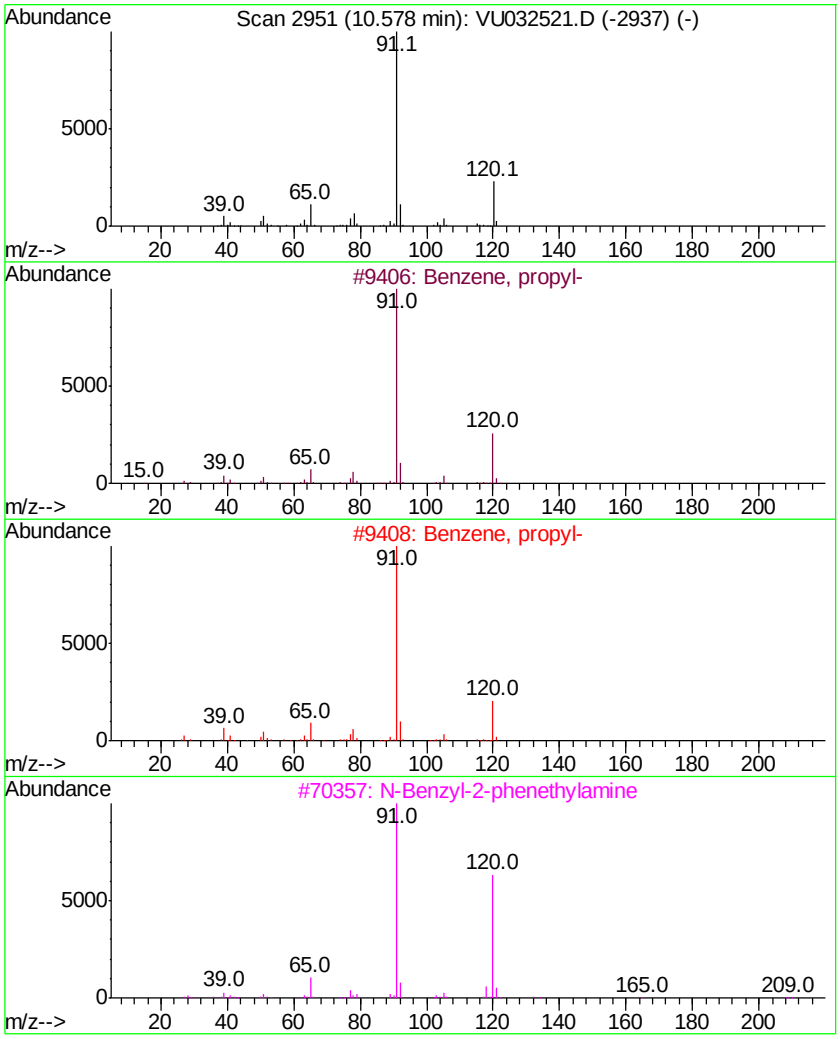
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

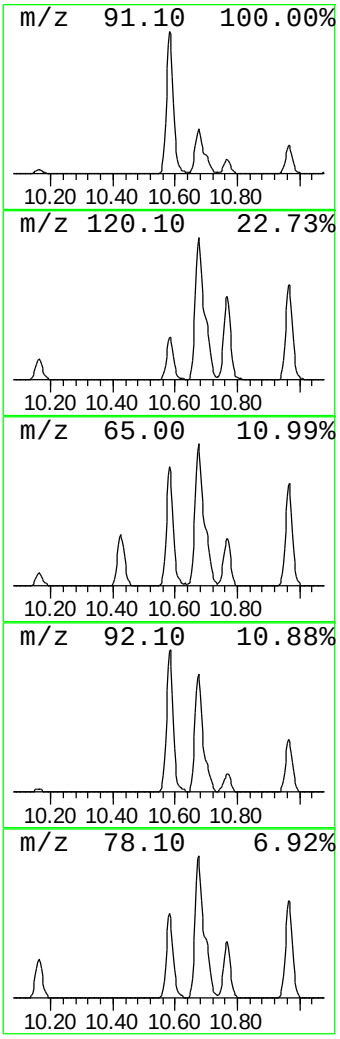
****

Peak Number 3 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	17.99 ug/L	209204	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Library Search Compound Report

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ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

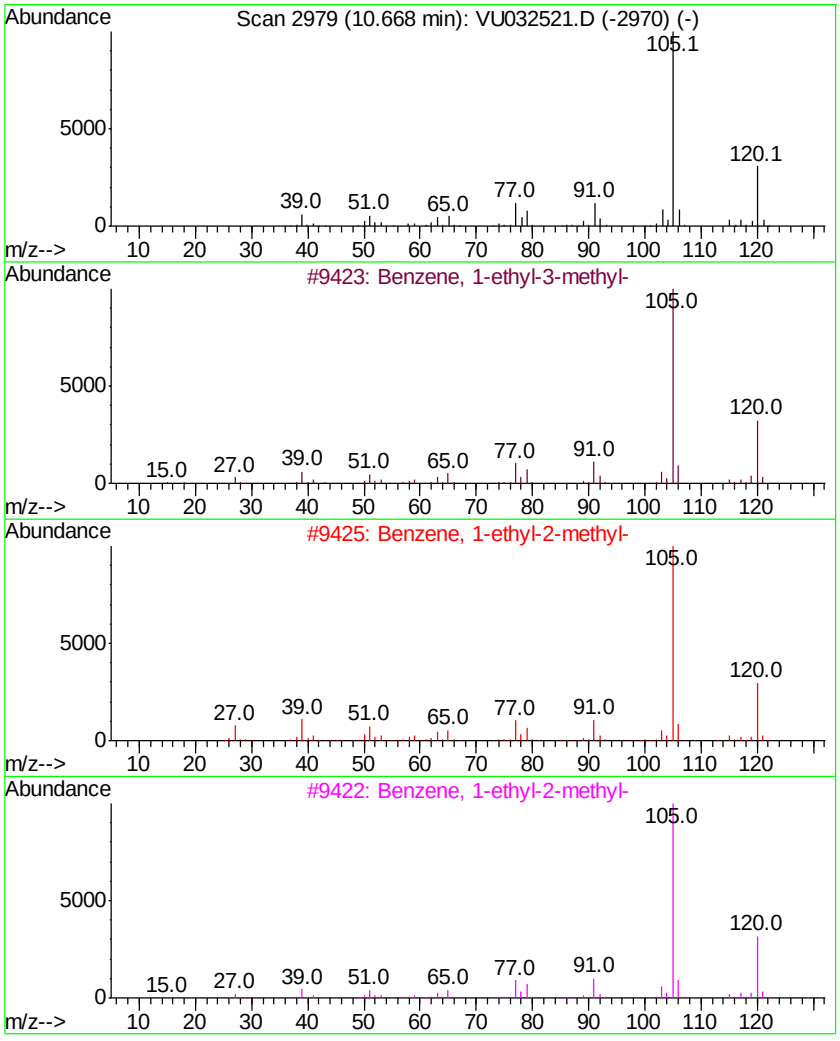
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

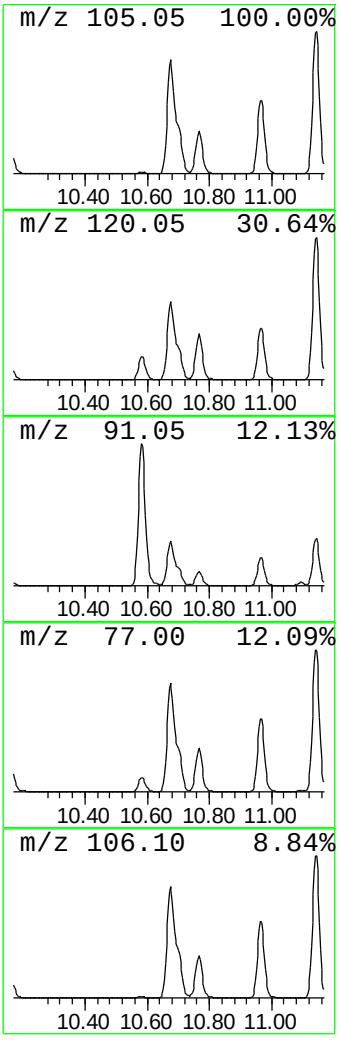
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	72.87 ug/L	847591	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

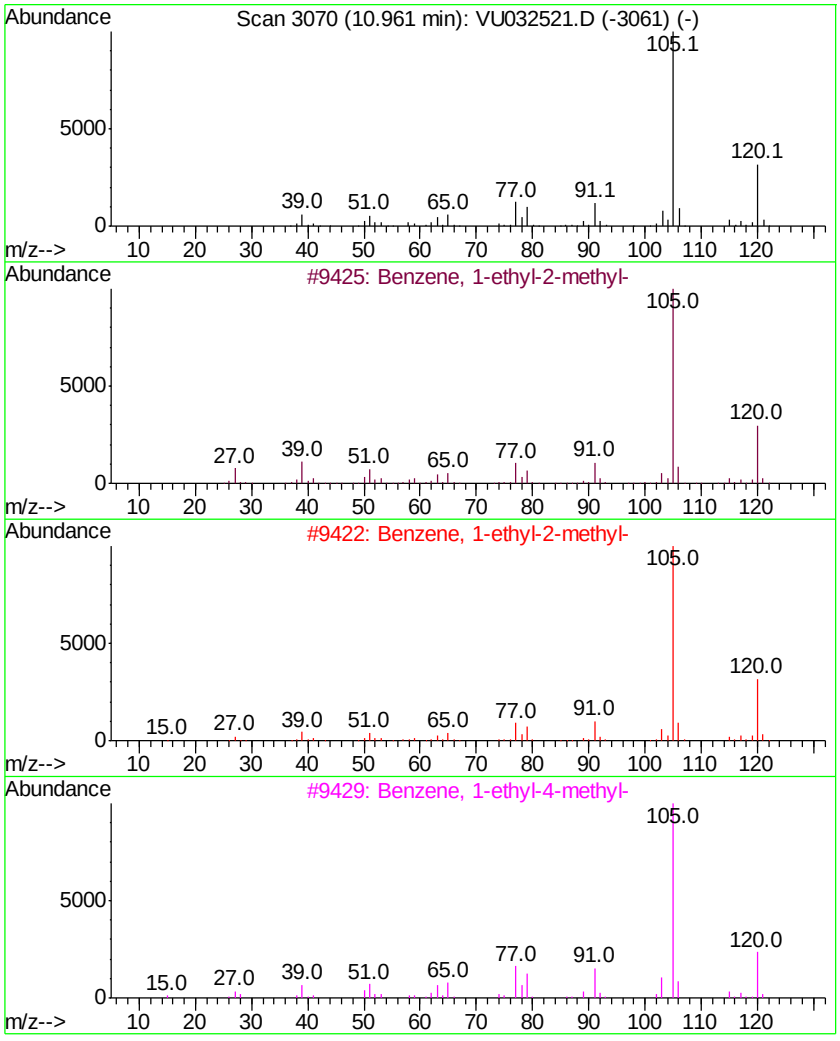
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

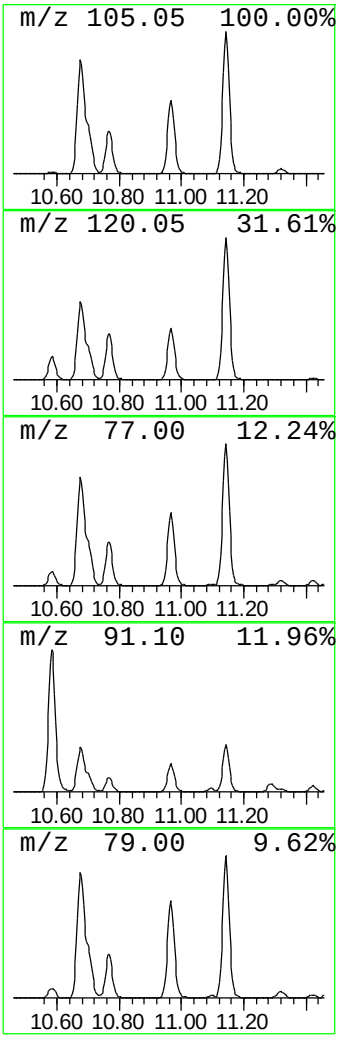
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	36.42 ug/L	423583	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

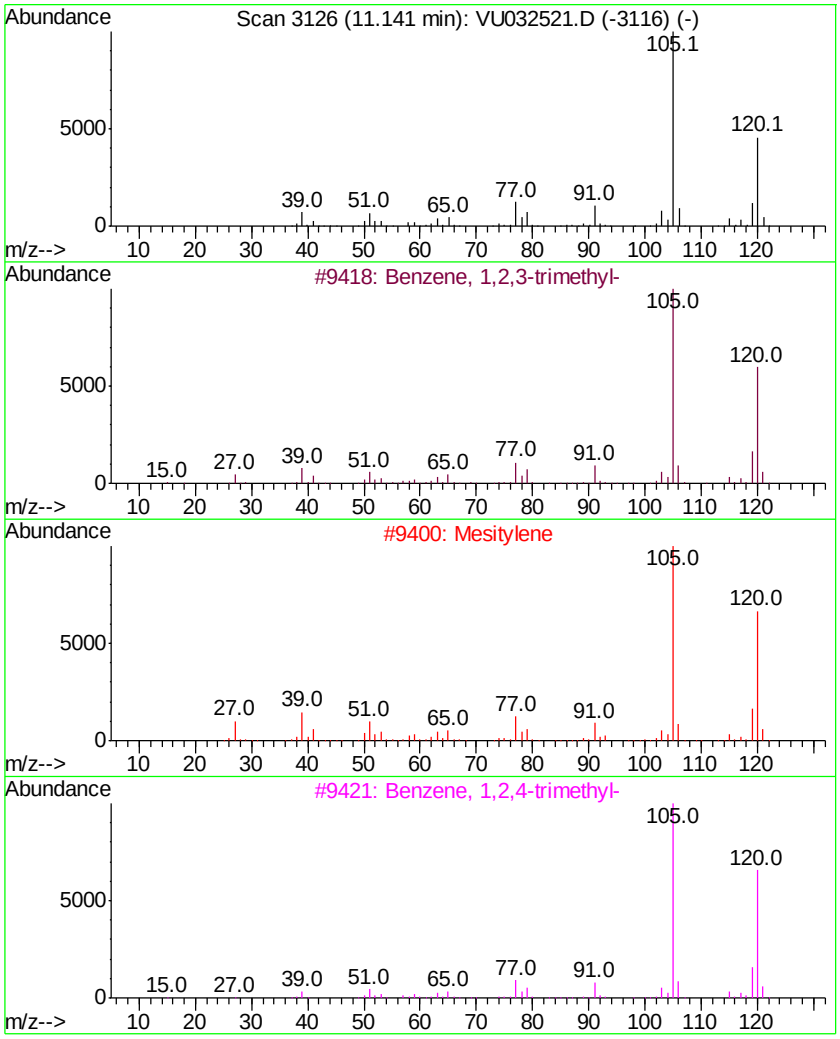
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

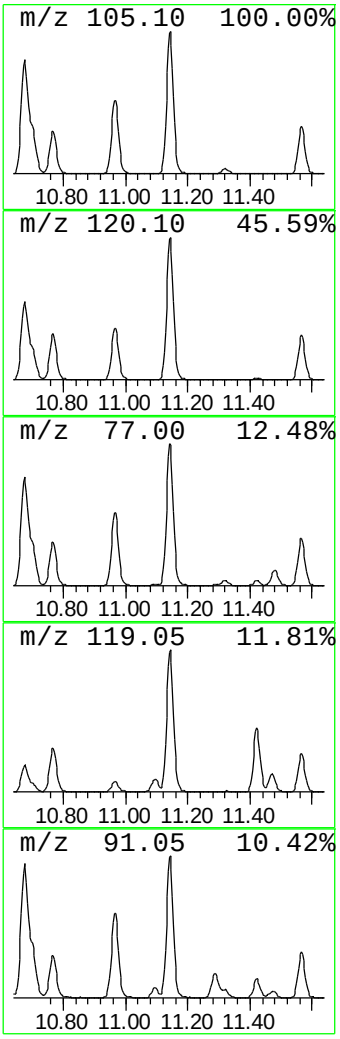
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	74.76 ug/L	869542	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

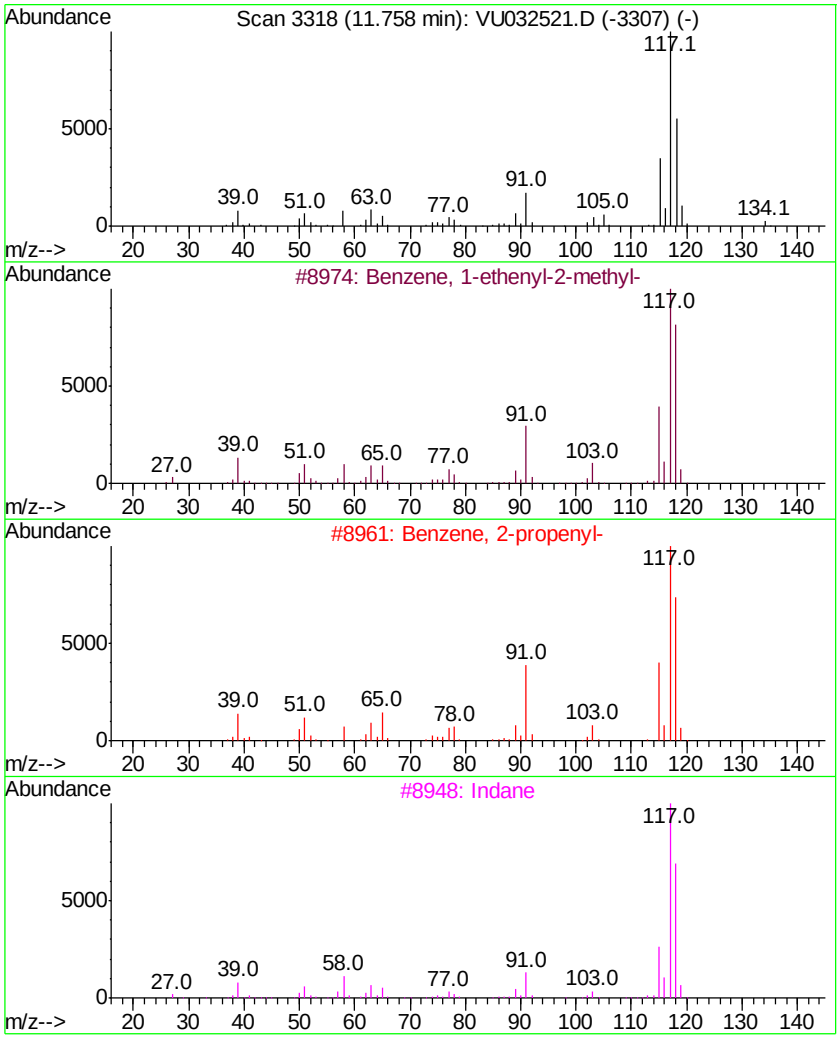
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

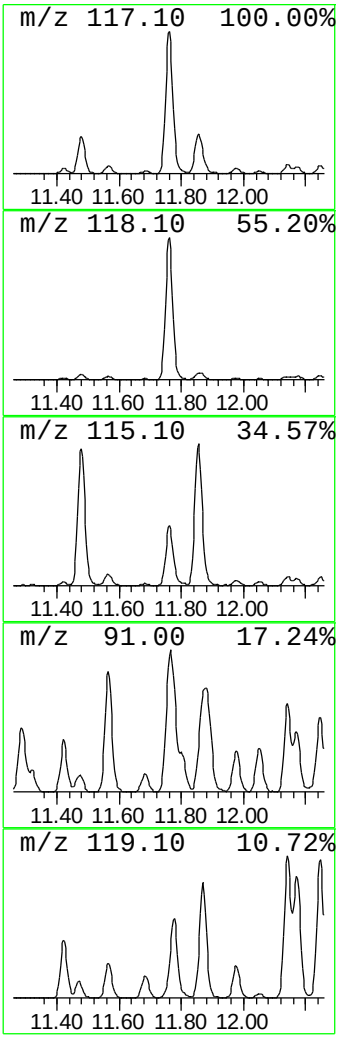
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	26.80 ug/L	311676	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
3	Indane	118	C9H10	000496-11-7	70
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

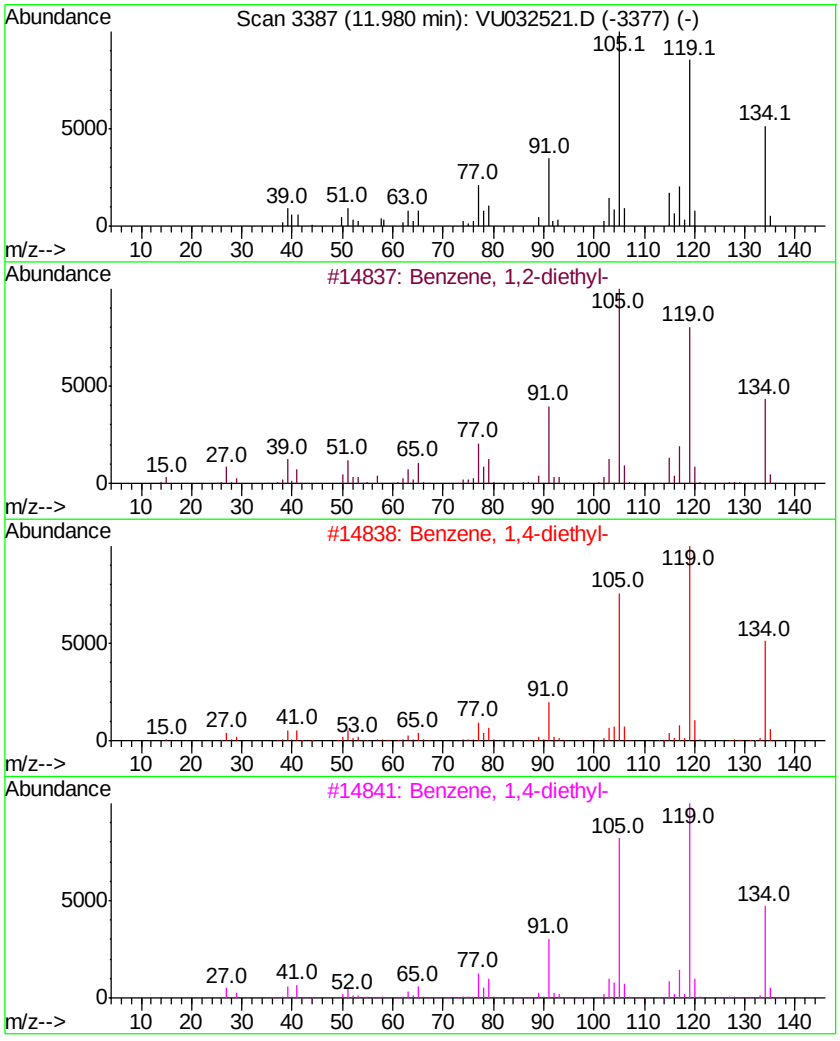
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

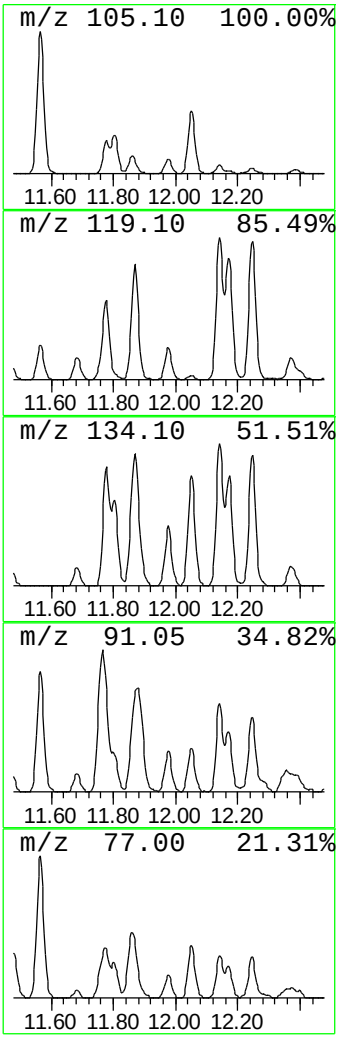
****

Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	4.48 ug/L	52111	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





Library Search Compound Report

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Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

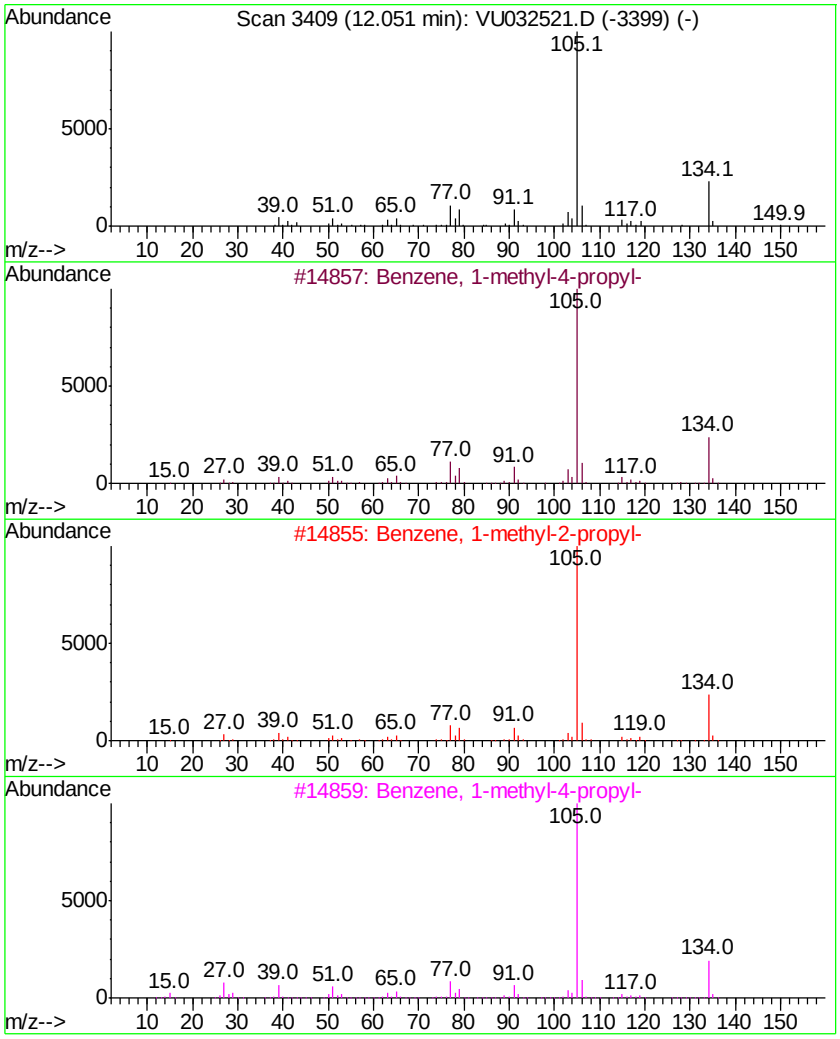
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

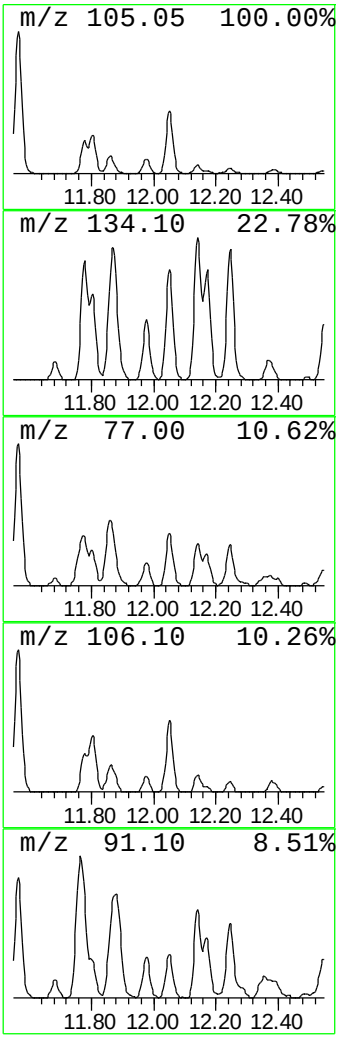
****

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	9.05 ug/L	105269	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91





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Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

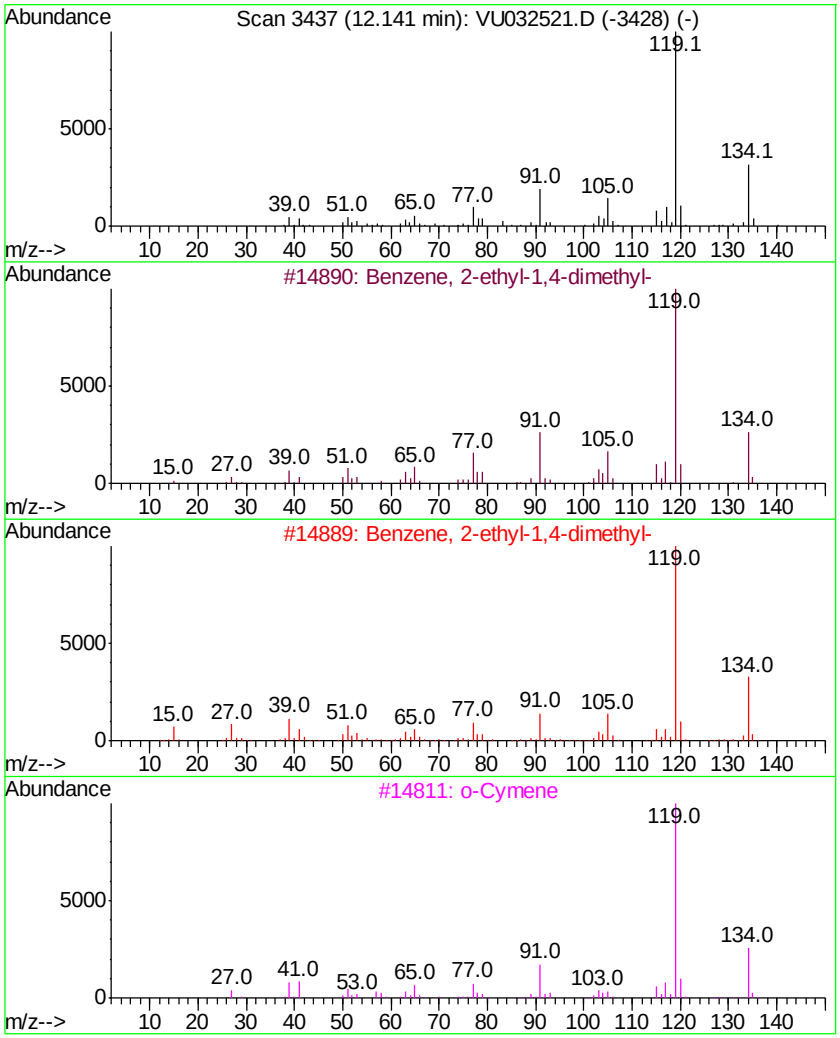
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

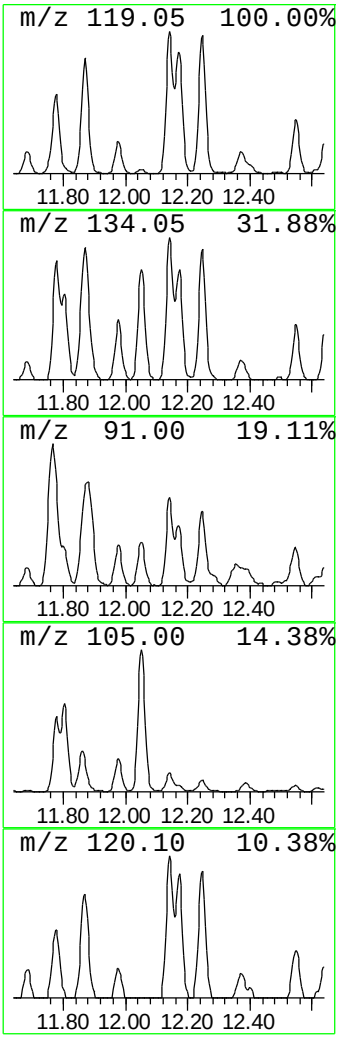
****

Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	10.39 ug/L	120806	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

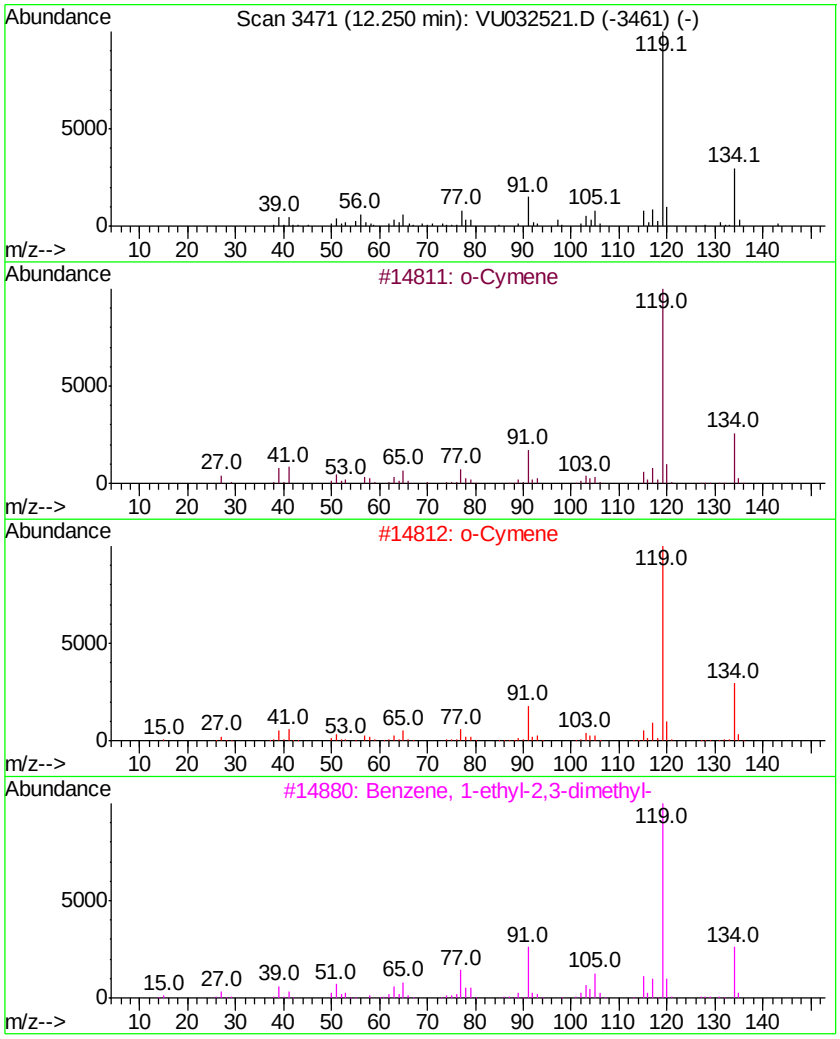
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

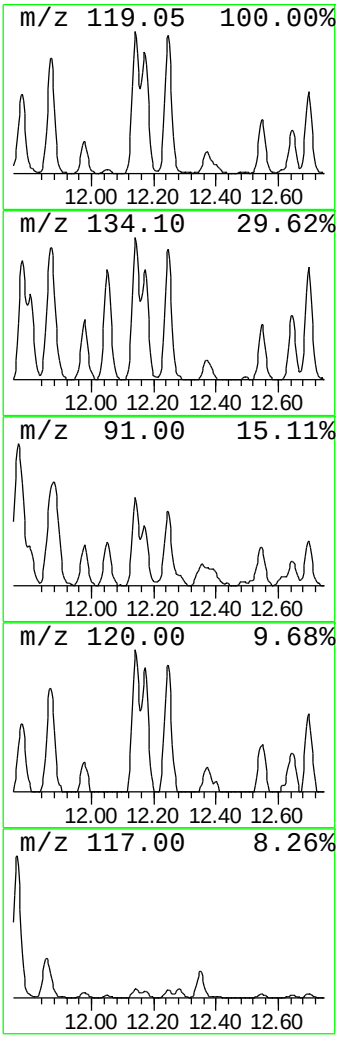
****

Peak Number 14 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	10.46 ug/L	121673	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95





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Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

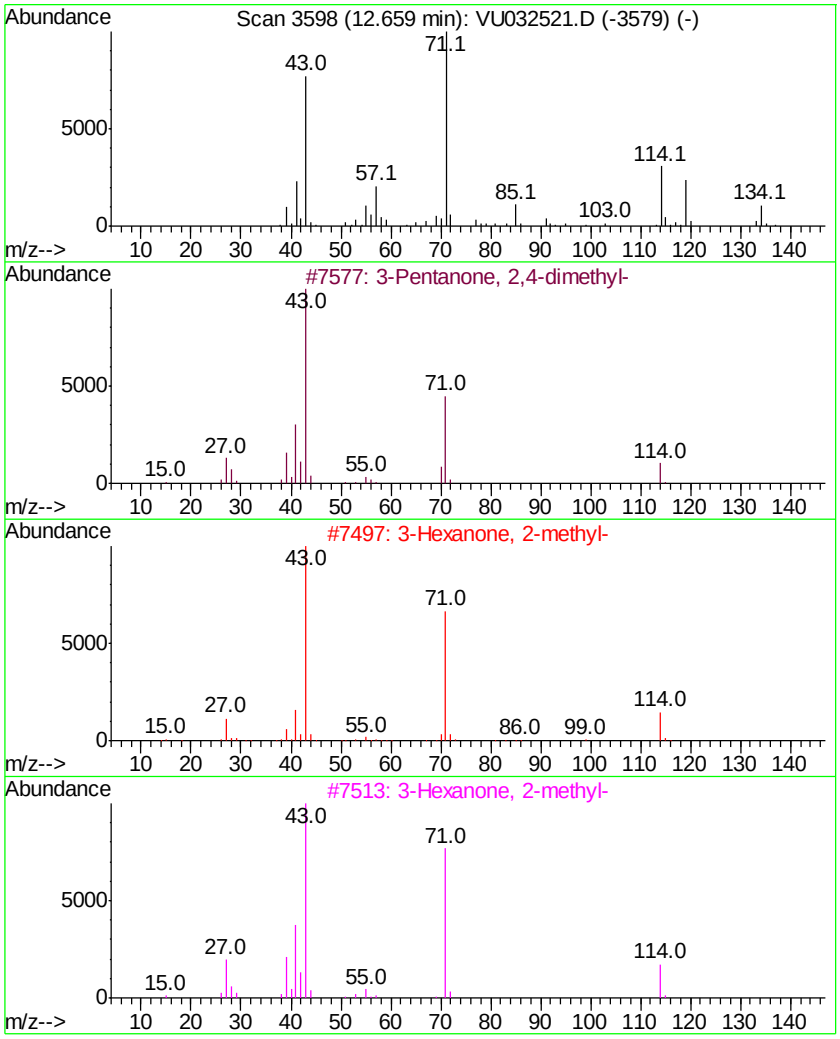
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

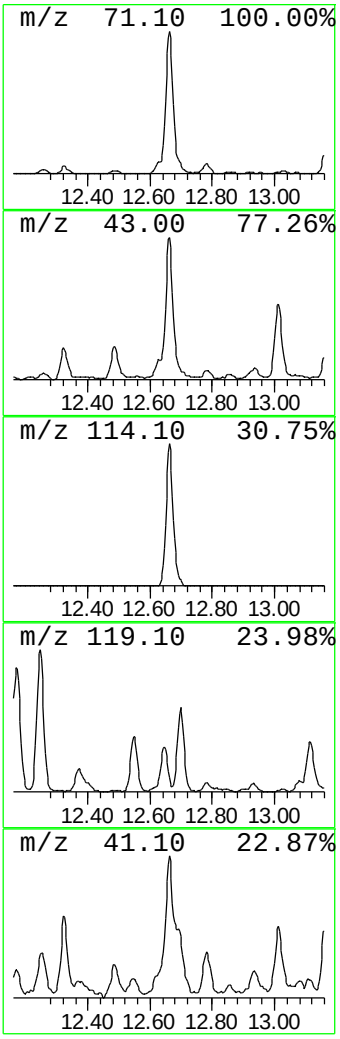
****

Peak Number 15 3-Pentanone, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	11.43 ug/L	133001	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	53
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	53
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	53
4	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	47
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	43





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Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

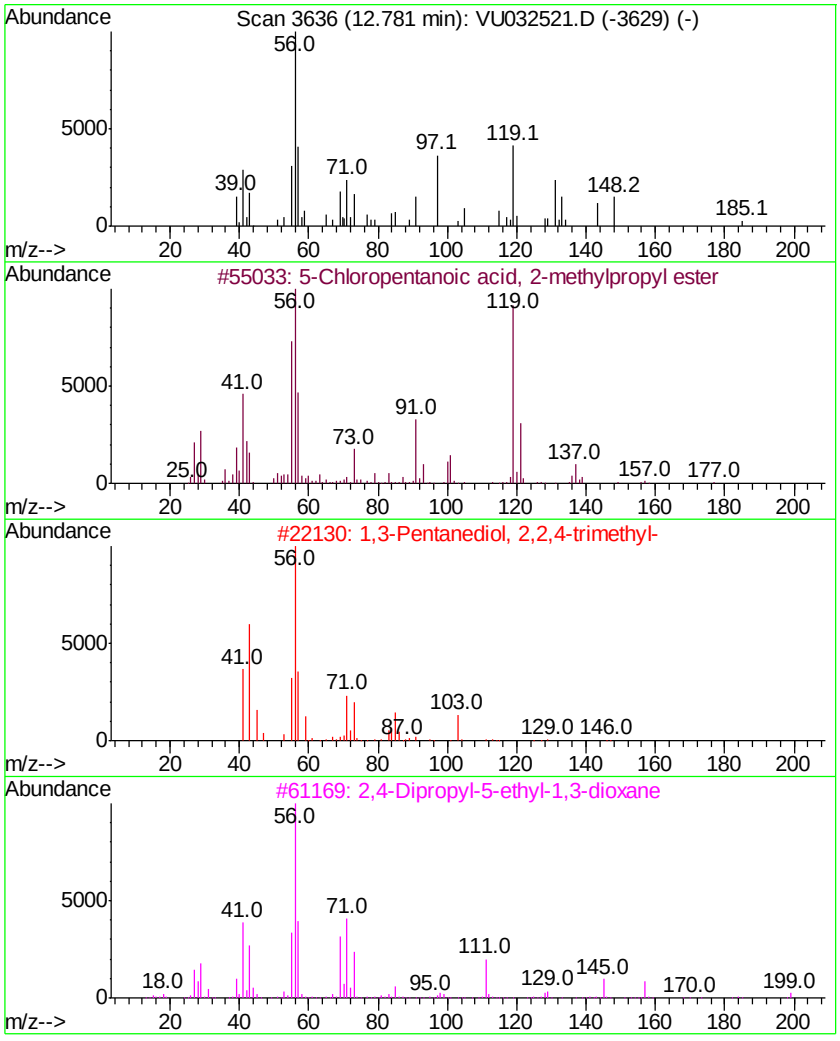
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

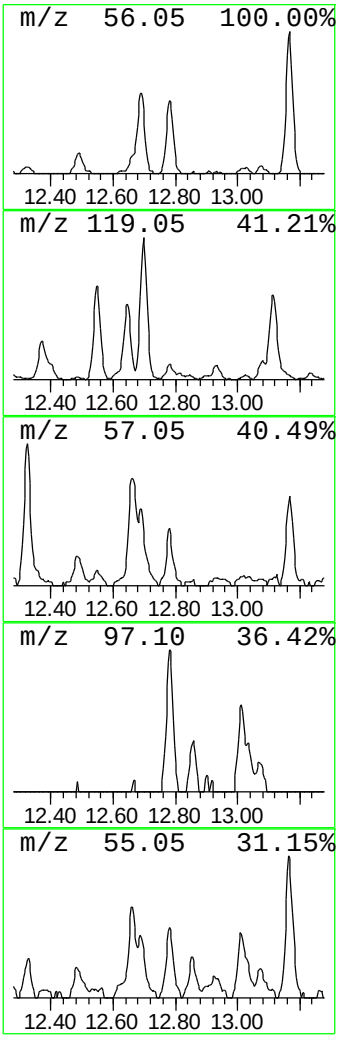
****

Peak Number 16 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.51 ug/L	29142	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloropentanoic acid, 2-methyl...	192	C9H17ClO2	1000293-48-4	25
2	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	17
3	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	17
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	12
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	12





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Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

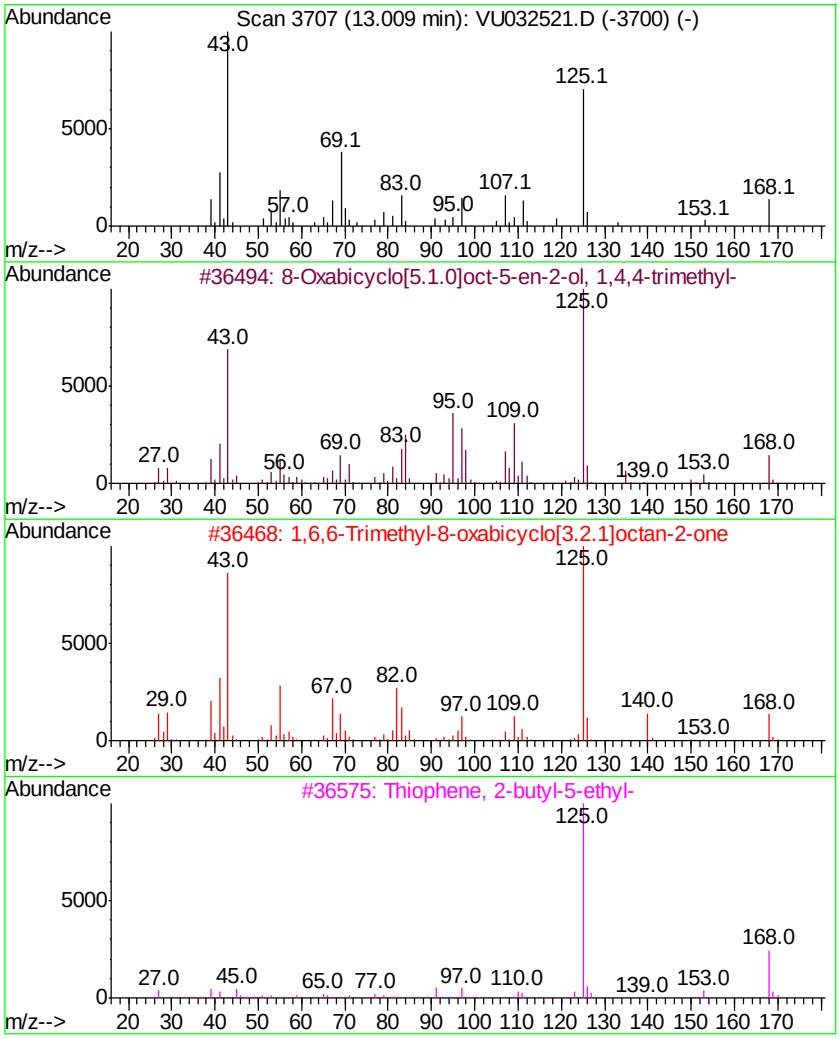
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

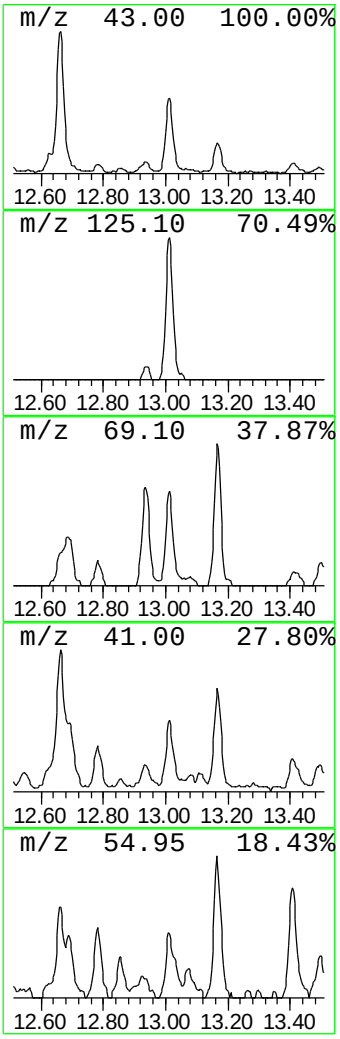
****

Peak Number 17 8-Oxabicyclo[5.1.0]oct-5-en... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	3.92 ug/L	45621	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Oxabicyclo[5.1.0]oct-5-en-2-ol...	168	C10H16O2	058795-43-0	72
2	1,6,6-Trimethyl-8-oxabicyclo[3.2...	168	C10H16O2	1000185-44-5	53
3	Thiophene, 2-butyl-5-ethyl-	168	C10H16S	054411-06-2	47
4	Cyclohexene, 1-acetyl-2-(1-hydro...	168	C10H16O2	1000150-62-5	47
5	1,3-Cyclohexanediol, 2,5-dimethy...	231	C10H17NO5	114454-86-3	40





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Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

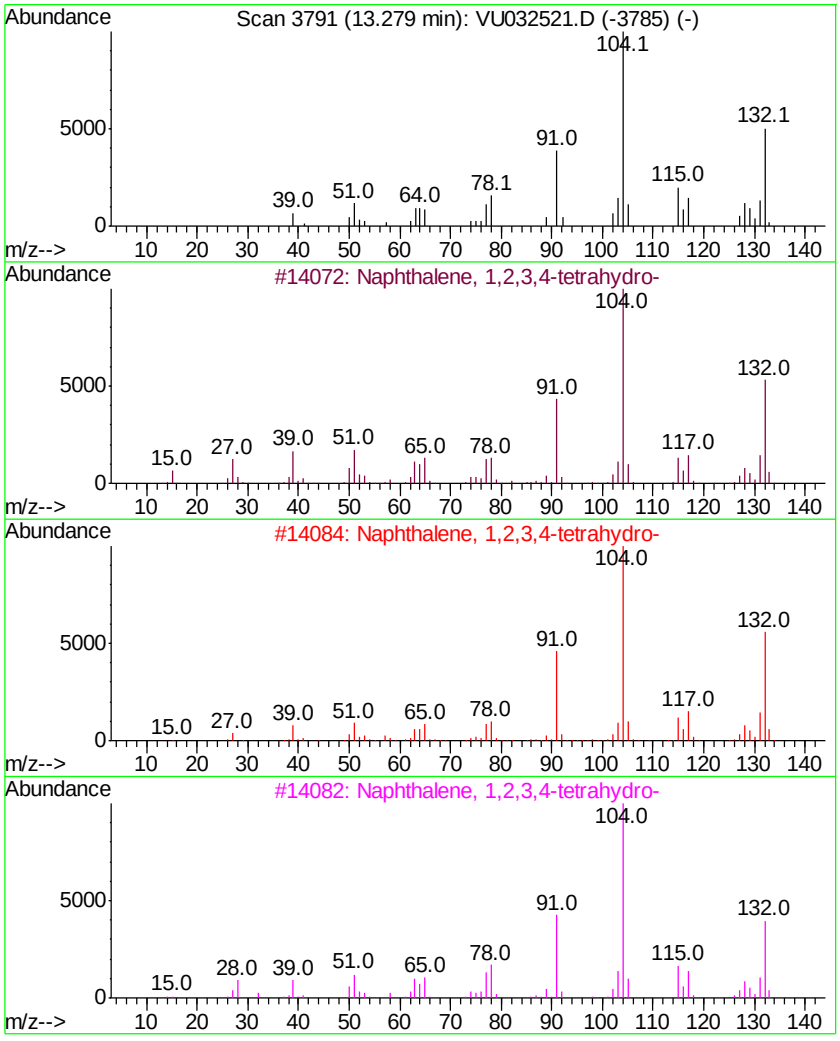
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

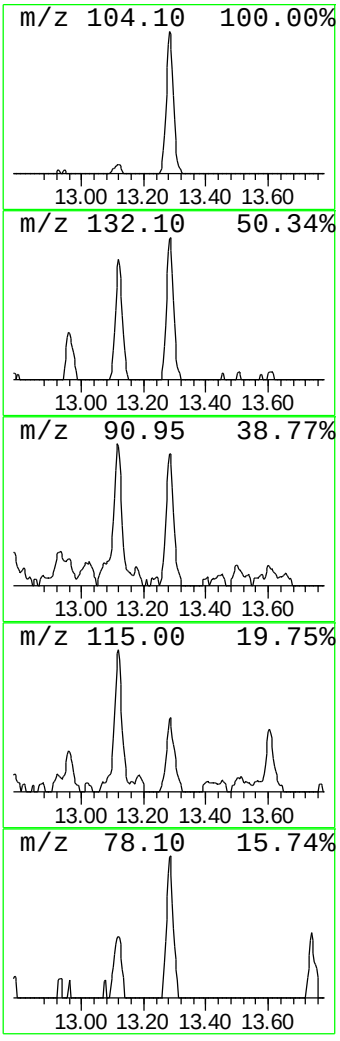
****

Peak Number 18 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.26 ug/L	37913	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
5	Indan, epoxide	132	C9H8O	000768-22-9	49





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Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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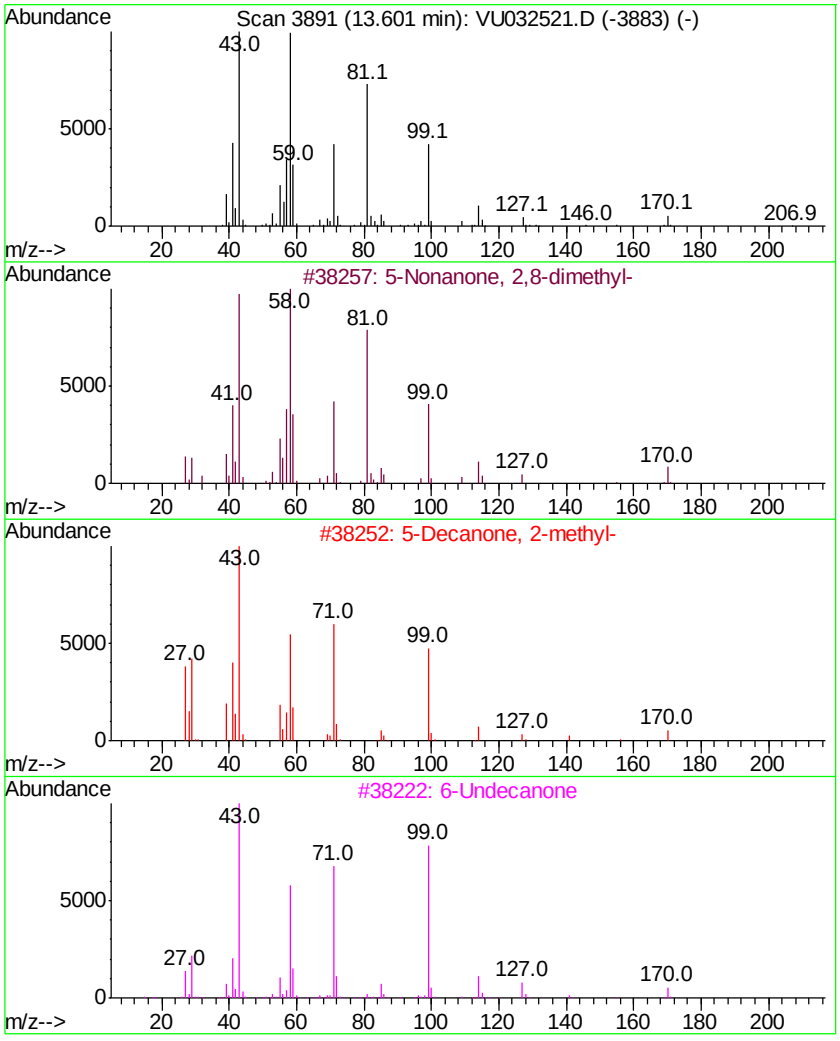
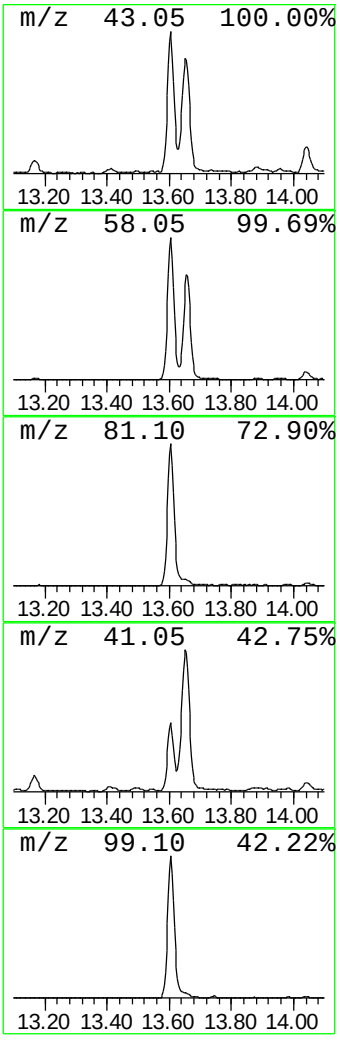
Peak Number 19 5-Nonanone, 2,8-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	21.39 ug/L	248791	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	95
2	5-Decanone, 2-methyl-	170	C11H22O	054410-89-8	49
3	6-Undecanone	170	C11H22O	000927-49-1	47
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	47
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	47





Library Search Compound Report

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Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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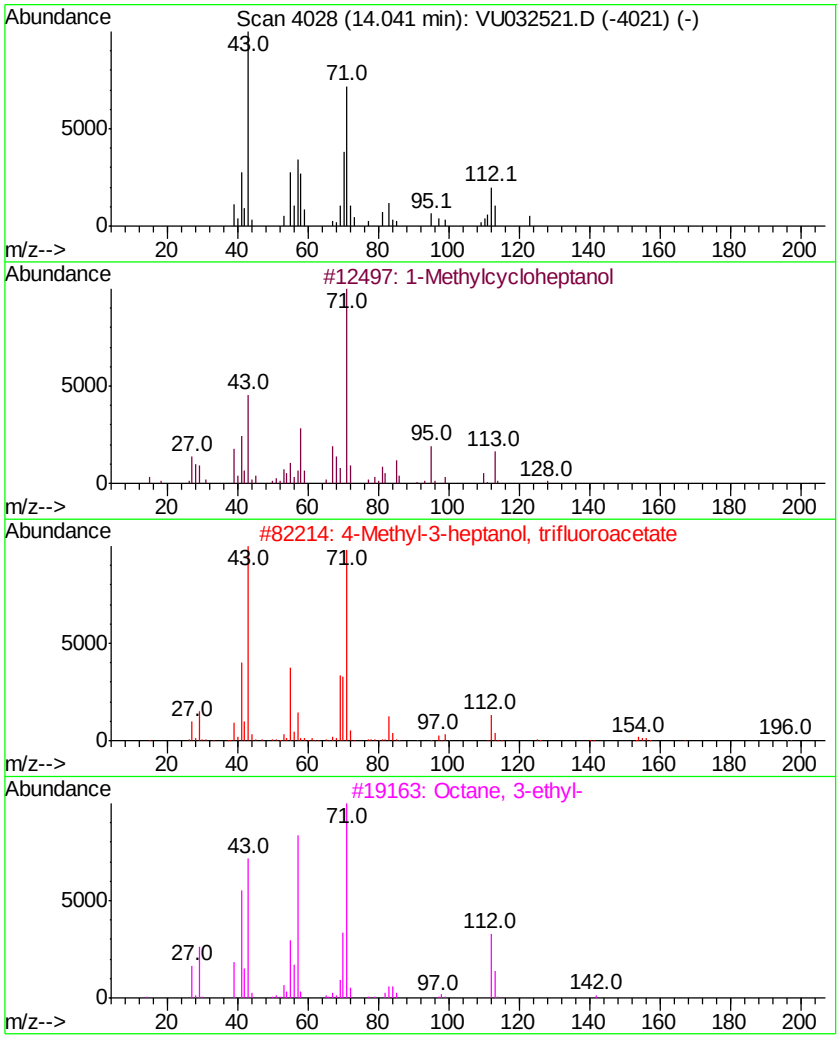
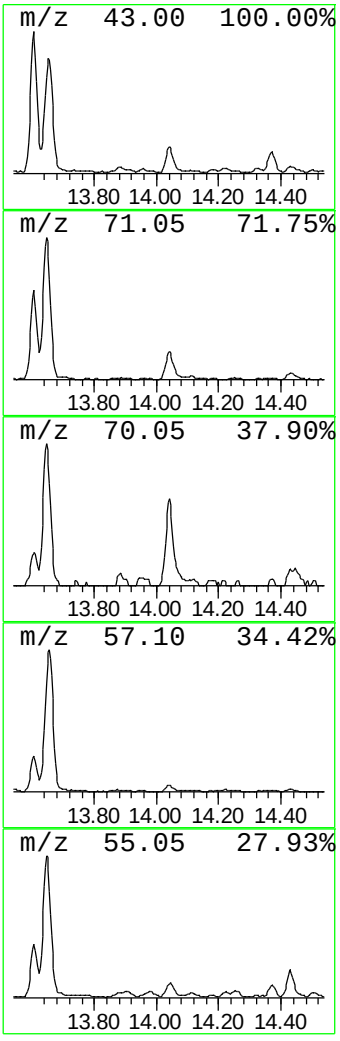
Peak Number 20 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.38 ug/L	39261	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcycloheptanol	128	C8H16O	003761-94-2	47
2	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	43
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	43
4	Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	40
5	Decane, 4-methyl-	156	C11H24	002847-72-5	40





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Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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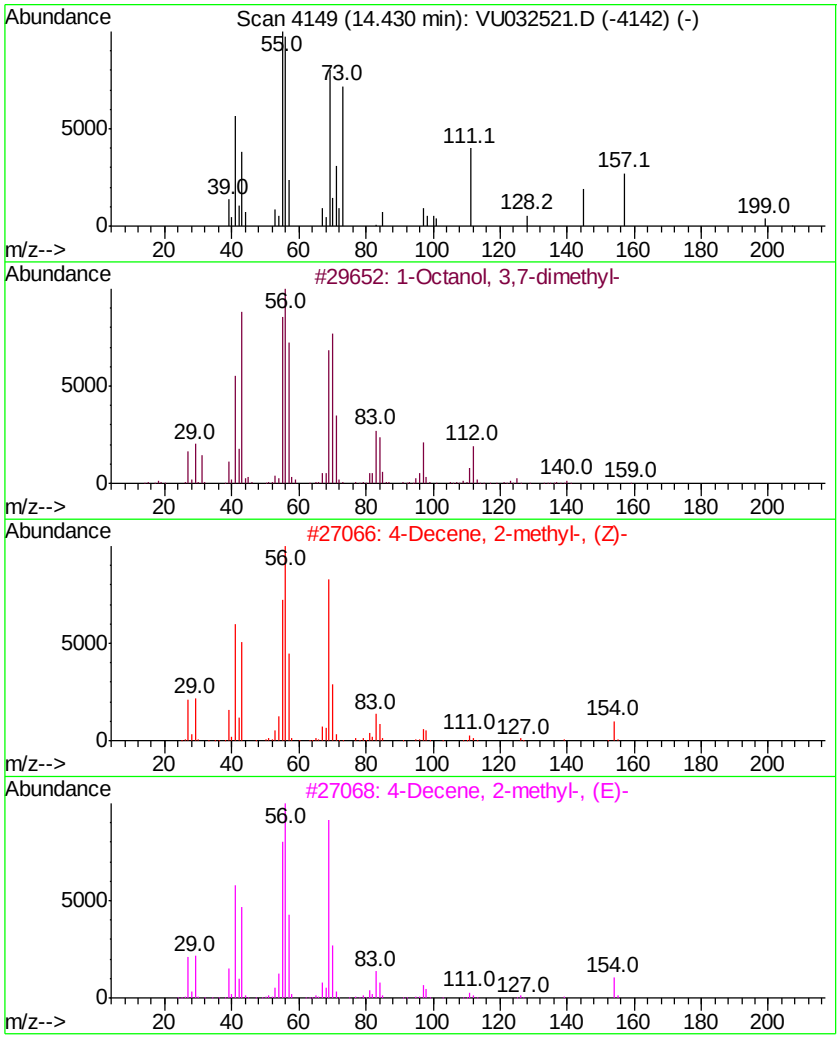
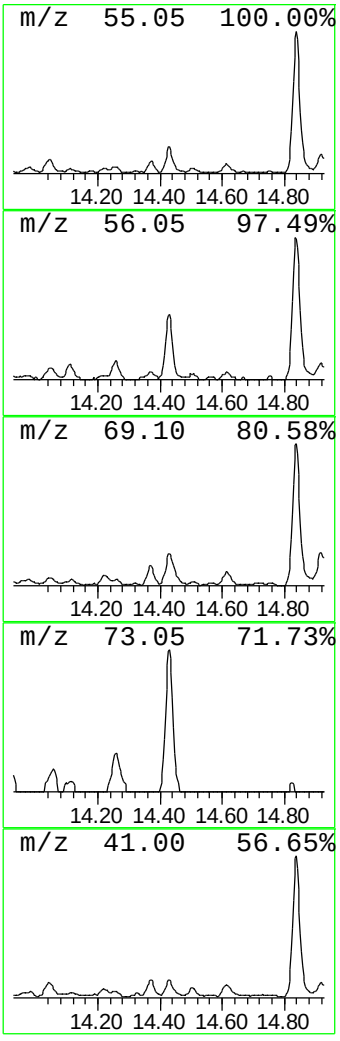
Peak Number 21 1-Octanol, 3,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.96 ug/L	34404	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 3,7-dimethyl-	158	C10H22O	000106-21-8	50
2	4-Decene, 2-methyl-, (Z)-	154	C11H22	055499-07-5	38
3	4-Decene, 2-methyl-, (E)-	154	C11H22	028665-56-7	38
4	4-Undecene, 2-methyl-, (E)-	168	C12H24	028665-57-8	38
5	2-Chloro-2-methylnonane	176	C10H21Cl	004325-50-2	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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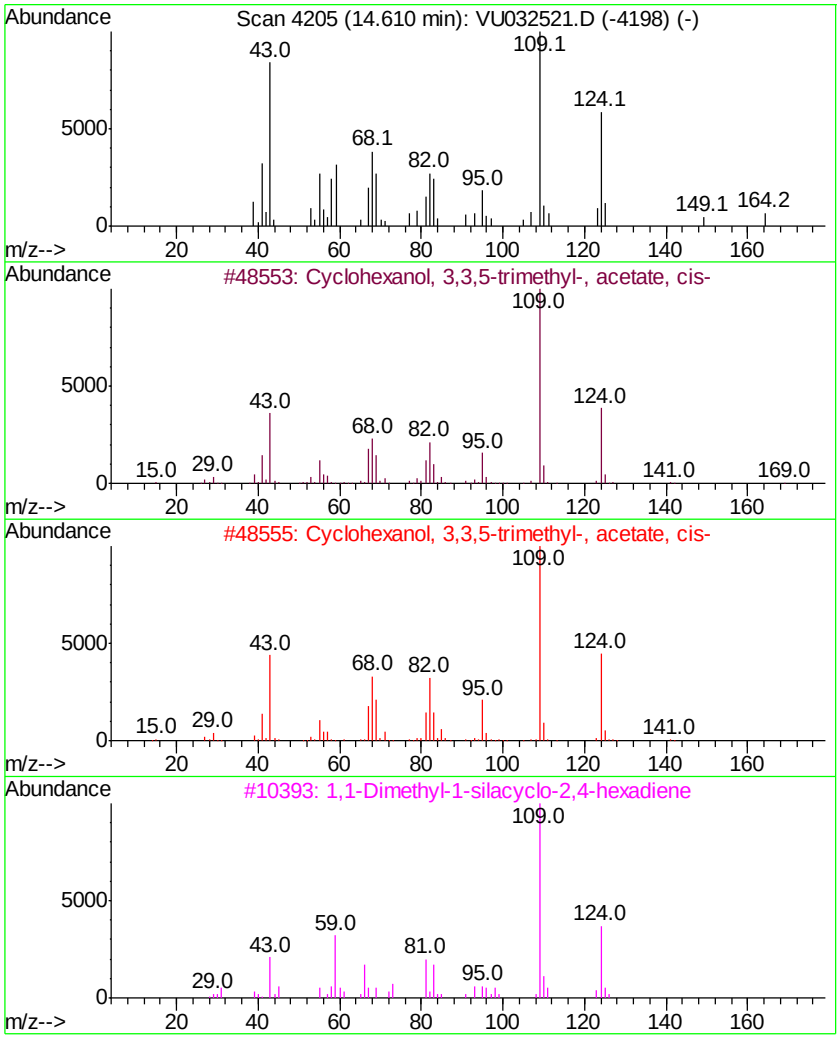
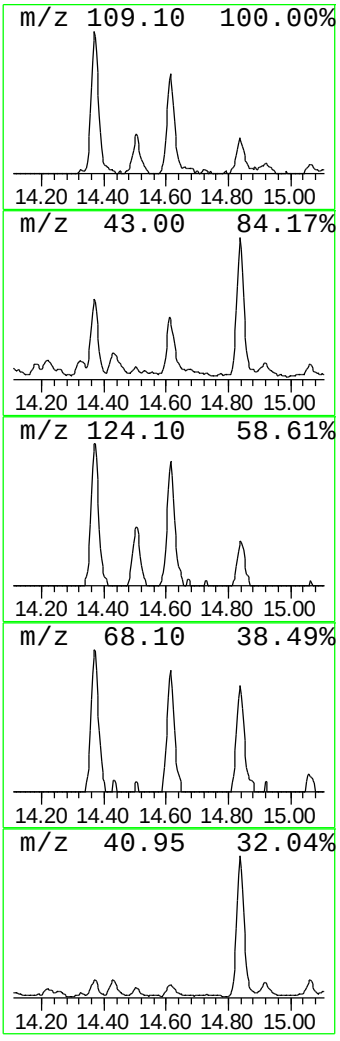
Peak Number 22 Cyclohexanol, 3,3,5-trimeth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	3.86 ug/L	44922	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,3,5-trimethyl-, ...	184	C11H20O2	024691-16-5	72
2	Cyclohexanol, 3,3,5-trimethyl-, ...	184	C11H20O2	024691-16-5	64
3	1,1-Dimethyl-1-silacyclo-2,4-hex...	124	C7H12Si	052023-18-4	49
4	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	47
5	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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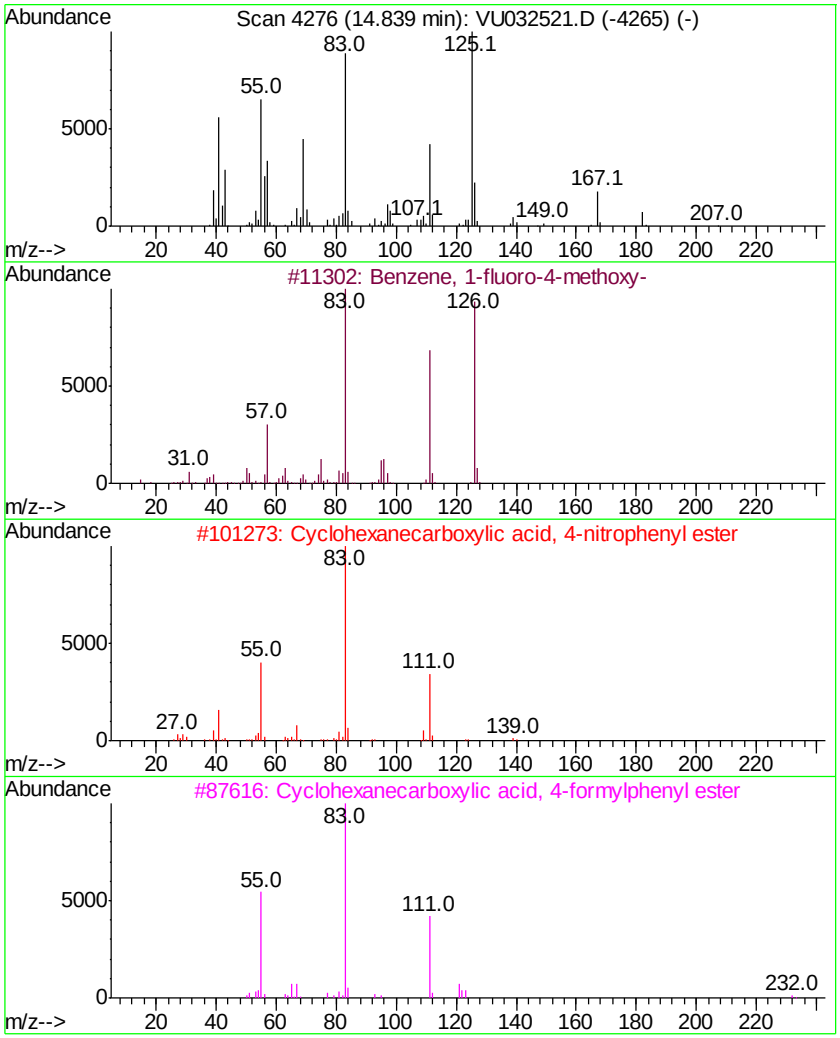
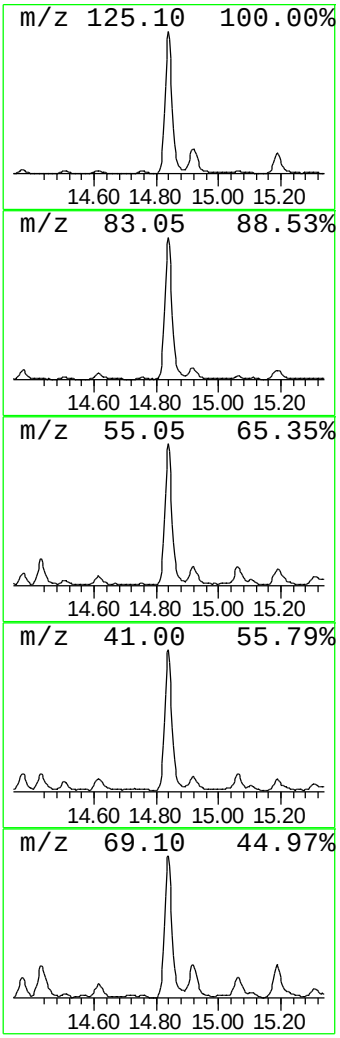
Peak Number 23 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	26.12 ug/L	303793	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-fluoro-4-methoxy-	126	C7H7FO	000459-60-9	43
2	Cyclohexanecarboxylic acid, 4-ni...	249	C13H15NO4	1000307-70-8	35
3	Cyclohexanecarboxylic acid, 4-fo...	232	C14H16O3	146606-04-4	35
4	Cyclohexanecarboxylic acid, 2,3-...	272	C13H14Cl2O2	1000330-88-3	35
5	Cyclopentane acetic acid hydrazide	142	C7H14N2O	020287-25-6	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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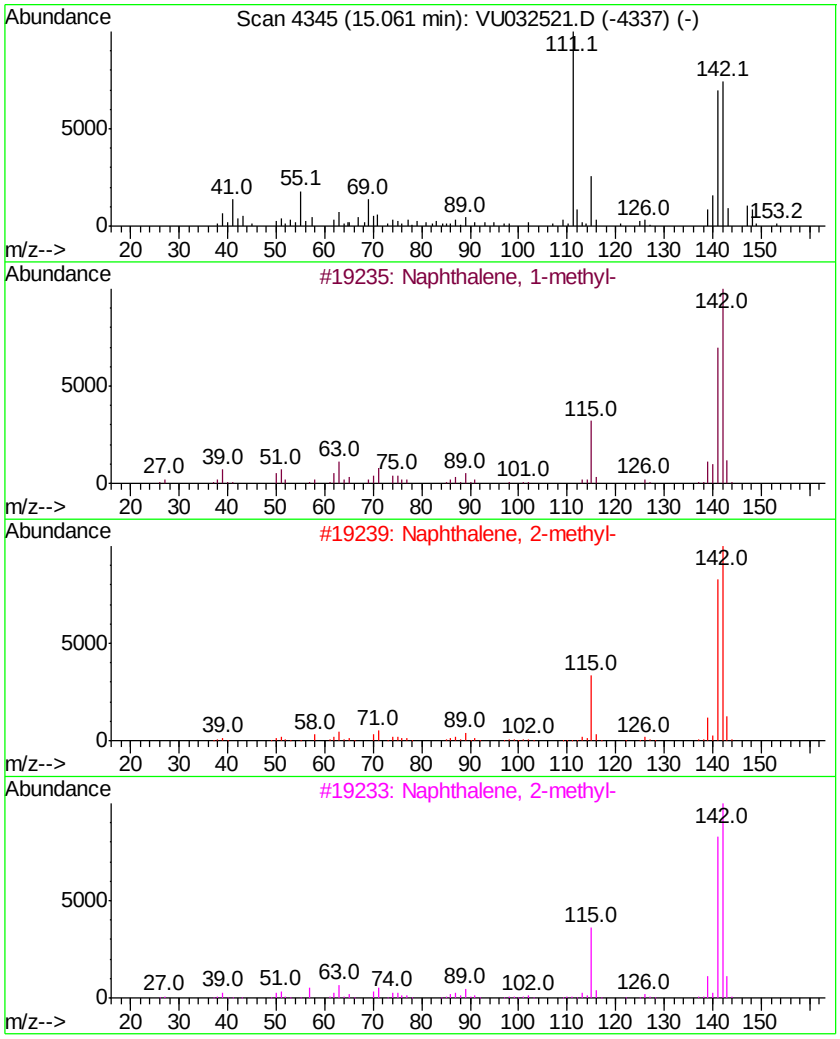
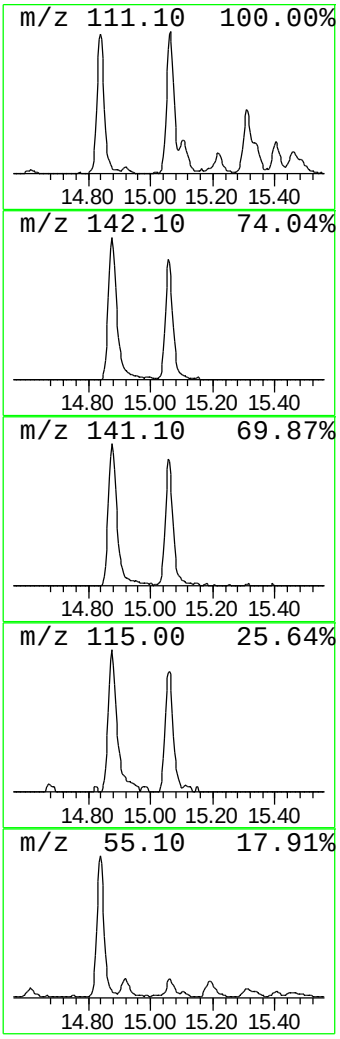
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	7.89 ug/L	91755	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032521.D
Acq On : 07 Jun 2019 01:21
Operator : JC/SP
Sample : K3215-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.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
Butanal	3.99	3.0	ug/L	27225	1	5.88	449878	50.0
Benzene, propyl-	10.58	18.0	ug/L	209204	3	11.48	581558	50.0
Benzene, 1-ethyl-...	10.67	72.9	ug/L	847591	3	11.48	581558	50.0
Benzene, 1-ethyl-...	10.96	36.4	ug/L	423583	3	11.48	581558	50.0
Benzene, 1,2,3-tr...	11.14	74.8	ug/L	869542	3	11.48	581558	50.0
Benzene, 1-etheny...	11.76	26.8	ug/L	311676	3	11.48	581558	50.0
Benzene, 1,2-diet...	11.98	4.5	ug/L	52111	3	11.48	581558	50.0
Benzene, 1-methyl...	12.05	9.1	ug/L	105269	3	11.48	581558	50.0
Benzene, 2-ethyl-...	12.14	10.4	ug/L	120806	3	11.48	581558	50.0
o-Cymene	12.25	10.5	ug/L	121673	3	11.48	581558	50.0
3-Pentanone, 2,4-...	12.66	11.4	ug/L	133001	3	11.48	581558	50.0
unknown-01	12.78	2.5	ug/L	29142	3	11.48	581558	50.0
8-Oxabicyclo[5.1....	13.01	3.9	ug/L	45621	3	11.48	581558	50.0
Naphthalene, 1,2,...	13.28	3.3	ug/L	37913	3	11.48	581558	50.0
5-Nonanone, 2,8-d...	13.60	21.4	ug/L	248791	3	11.48	581558	50.0
unknown-02	14.04	3.4	ug/L	39261	3	11.48	581558	50.0
1-Octanol, 3,7-di...	14.43	3.0	ug/L	34404	3	11.48	581558	50.0
Cyclohexanol, 3,3...	14.61	3.9	ug/L	44922	3	11.48	581558	50.0
unknown-03	14.84	26.1	ug/L	303793	3	11.48	581558	50.0
Naphthalene, 1-me...	15.06	7.9	ug/L	91755	3	11.48	581558	50.0