LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

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\SOMULM011420WMA.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	1.613	77	85	93	rBV	221160	231202	0.60%	0.120%
2	1.896	168	173	186	rVB	208453	275039	0.71%	0.143%
3	2.581	373	386	404	rBV	380435	621962	1.61%	0.324%
4	2.816	456	459	466	rVB6	1862	2164	0.01%	0.001%
5	2.880	475	479	482	rBV3	847	649	0.00%	0.000%
6	2.983	506	511	513	rBV3	1026	786	0.00%	0.000%
7	3.022	520	523	527	rBV3	929	890	0.00%	0.000%
8	3.073	534	539	547	rVB7	3403	4822	0.01%	0.003%
9	3.221	570	585	606	rVB	23706	52652	0.14%	0.027%
10	3.623	705	710	713	rBV4	847	779	0.00%	0.000%
11	3.916	797	801	805	rBV3	645	636	0.00%	0.000%
12	4.034	833	838	841	rBV3	626	618	0.00%	0.000%
13	4.102	855	859	863	rBV4	857	697	0.00%	0.000%
14	4.681	1023	1039	1061	rBV	205962	499048	1.29%	0.260%
15	4.967	1125	1128	1132	rVB4	1318	988	0.00%	0.001%
16	5.108	1153	1172	1194	rBV	366128	799901	2.07%	0.416%
17	5.186	1194	1196	1201	rVB4	1031	648	0.00%	0.000%
18	5.324	1236	1239	1242	rBV2	2156	1472	0.00%	0.001%
19	5.398	1258	1262	1263	rBV	810	596	0.00%	0.000%
20	5.417	1266	1268	1274	rVB6	1422	1125	0.00%	0.001%
21	5.764	1354	1376	1397	rVV2	749295	1967690	5.08%	1.024%
22	5.964	1436	1438	1443	rBV5	1125	688	0.00%	0.000%
23	6.079	1469	1474	1483	rVB5	1595	2010	0.01%	0.001%
24	6.118	1483	1486	1490	rVB4	1134	820	0.00%	0.000%
25	6.157	1490	1498	1499	rBV4	1549	1735	0.00%	0.001%
26	6.205	1508	1513	1514	rBV3	839	629	0.00%	0.000%
27	6.285	1522	1538	1559	rBV	650740	1236797	3.19%	0.644%
28	6.568	1614	1626	1637	rVB7	7147	14292	0.04%	0.007%
29	6.729	1661	1676	1692	rBV2	470660	911168	2.35%	0.474%
30	6.954	1743	1746	1751	rVB6	1225	1079	0.00%	0.001%
31	7.031	1766	1770	1773	rVB4	888	785	0.00%	0.000%
32	7.079	1780	1785	1786	rBV2	849	692	0.00%	0.000%
33	7.218	1820	1828	1837	rVB7	4589	7807	0.02%	0.004%
34	7.407	1879	1887	1888	rBV2	809	856	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

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\SOMULM011420WMA.M
Title : VOC Analysis

35	7.597	1933	1946	1966	rBV	302569	520681	1.34%	0.271%
36	7.825	2013	2017	2018	rBV3	2638	1587	0.00%	0.001%
37	7.928	2036	2049	2062	rVV	975918	1677662	4.33%	0.873%
38	7.999	2063	2071	2089	rVB	86015	148728	0.38%	0.077%
39	8.211	2123	2137	2153	rVV	216177	361922	0.93%	0.188%
40	8.298	2158	2164	2177	rVB10	2940	6120	0.02%	0.003%
41	8.362	2179	2184	2189	rBV4	963	1148	0.00%	0.001%
42	8.439	2205	2208	2211	rBV2	905	650	0.00%	0.000%
43	8.578	2247	2251	2254	rBV2	1269	1231	0.00%	0.001%
44	8.671	2265	2280	2307	rBV	769486	1350448	3.49%	0.703%
45	8.964	2362	2371	2377	rBV8	2038	3634	0.01%	0.002%
46	9.079	2400	2407	2408	rBV5	2814	3145	0.01%	0.002%
47	9.134	2421	2424	2425	rBV2	1325	602	0.00%	0.000%
48	9.189	2437	2441	2442	rBV3	1507	1001	0.00%	0.001%
49	9.282	2464	2470	2472	rBV4	2711	2442	0.01%	0.001%
50	9.359	2483	2494	2504	rVB4	9541	15663	0.04%	0.008%
51	9.446	2507	2521	2547	rBV	1014841	1675126	4.32%	0.872%
52	9.597	2557	2568	2584	rBV	341641	558039	1.44%	0.290%
53	9.719	2592	2606	2616	rBV	852899	1448454	3.74%	0.754%
54	9.890	2650	2659	2670	rBV9	19368	44560	0.12%	0.023%
55	9.976	2679	2686	2697	rVB9	9767	17305	0.04%	0.009%
56	10.047	2697	2708	2710	rBV8	21984	33255	0.09%	0.017%
57	10.127	2722	2733	2759	rVB	2373144	4161787	10.74%	2.167%
58	10.272	2770	2778	2793	rBV6	53051	104822	0.27%	0.055%
59	10.507	2842	2851	2860	rBV	116079	195611	0.51%	0.102%
60	10.783	2926	2937	2948	rBV	832056	1365141	3.52%	0.711%
61	10.928	2973	2982	2991	rBV	356104	539012	1.39%	0.281%
62	11.021	3001	3011	3015	rBV	1071210	1679361	4.34%	0.874%
63	11.111	3031	3039	3066	rVB2	3981084	7425811	19.17%	3.866%
64	11.314	3093	3102	3118	rBV	958304	1767451	4.56%	0.920%
65	11.433	3135	3139	3145	rVB	104815	111645	0.29%	0.058%
66	11.491	3146	3157	3169	rVB	5020764	7747269	20.00%	4.033%
67	11.558	3171	3178	3186	rVB	450632	637034	1.64%	0.332%
68	11.761	3226	3241	3250	rBV4	480807	1216528	3.14%	0.633%
69	11.835	3252	3264	3276	rVV2	1240551	2320493	5.99%	1.208%
70	11.915	3279	3289	3299	rVV	4225862	6668946	17.22%	3.472%
71	11.970	3300	3306	3315	rVB	515986	715280	1.85%	0.372%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

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\SOMULM011420WMA.M
Title : VOC Analysis

72	12.115	3342	3351	3359	rBV2	1642887	2810977	7.26%	1.463%
73	12.211	3370	3381	3395	rBV3	2789812	5043405	13.02%	2.625%
74	12.298	3400	3408	3413	rVV	1054431	1629258	4.21%	0.848%
75	12.340	3414	3421	3432	rVB3	2423626	4105020	10.60%	2.137%
76	12.484	3459	3466	3470	rBV	676901	965208	2.49%	0.502%
77	12.590	3493	3499	3508	rVB	1370395	1949245	5.03%	1.015%
78	12.944	3601	3609	3616	rBV	1378639	2027474	5.23%	1.055%
79	12.992	3617	3624	3631	rVB	1390736	1923692	4.97%	1.001%
80	13.047	3632	3641	3659	rVB2	2731547	4953969	12.79%	2.579%
81	13.311	3717	3723	3734	rVB3	771125	1153852	2.98%	0.601%
82	13.645	3818	3827	3850	rVB	3560687	6099846	15.75%	3.175%
83	13.851	3885	3891	3909	rBV3	517439	966394	2.49%	0.503%
84	14.076	3954	3961	3968	rBV	1232550	2054128	5.30%	1.069%
85	14.690	4143	4152	4162	rBV4	769086	1527088	3.94%	0.795%
86	15.240	4313	4323	4351	rVB	8937426	15853237	40.93%	8.253%
87	15.430	4370	4382	4405	rVB	23326196	38733320	100.00%	20.163%
88	15.966	4540	4549	4560	rVB	3367977	5256339	13.57%	2.736%
89	16.159	4604	4609	4616	rVB	681074	826673	2.13%	0.430%
90	16.275	4633	4645	4669	rVB	6520941	11980941	30.93%	6.237%
91	16.426	4681	4692	4698	rBV	7010761	11624362	30.01%	6.051%
92	16.462	4699	4703	4718	rVB	4738904	6559833	16.94%	3.415%
93	16.651	4744	4762	4782	rVB2	2050765	5369252	13.86%	2.795%
94	16.799	4799	4808	4826	rVB	1131852	1842620	4.76%	0.959%
95	16.896	4827	4838	4850	rBV2	1600981	2588722	6.68%	1.348%
96	16.992	4863	4868	4878	rVB2	265230	367169	0.95%	0.191%
97	17.111	4897	4905	4918	rVB3	781131	1438005	3.71%	0.749%
98	17.391	4985	4992	4994	rBV2	292257	364569	0.94%	0.190%
99	17.552	5034	5042	5052	rVB	324800	533930	1.38%	0.278%
100	17.619	5054	5063	5072	rBV2	222283	374670	0.97%	0.195%

Sum of corrected areas: 192096514

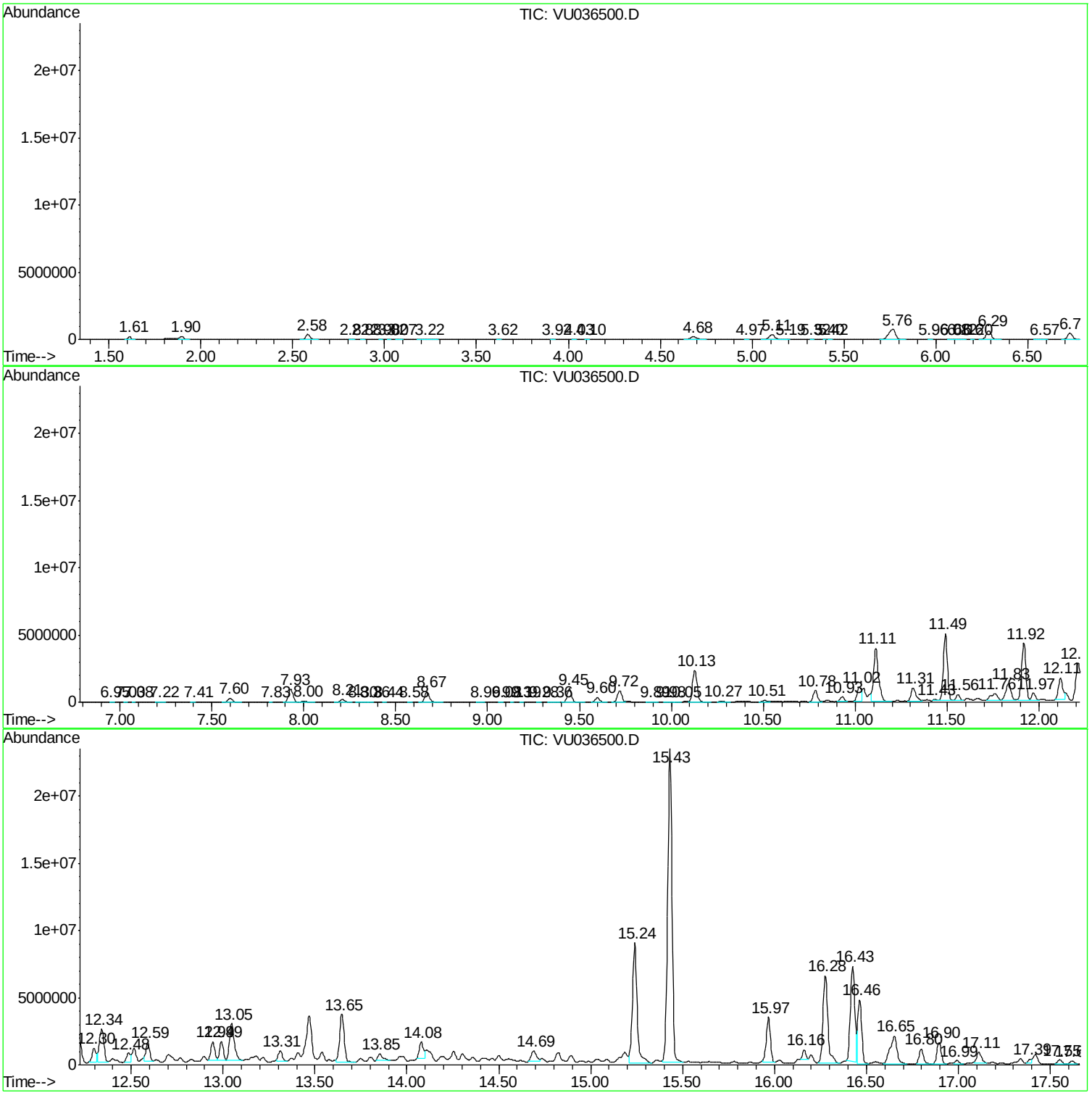
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

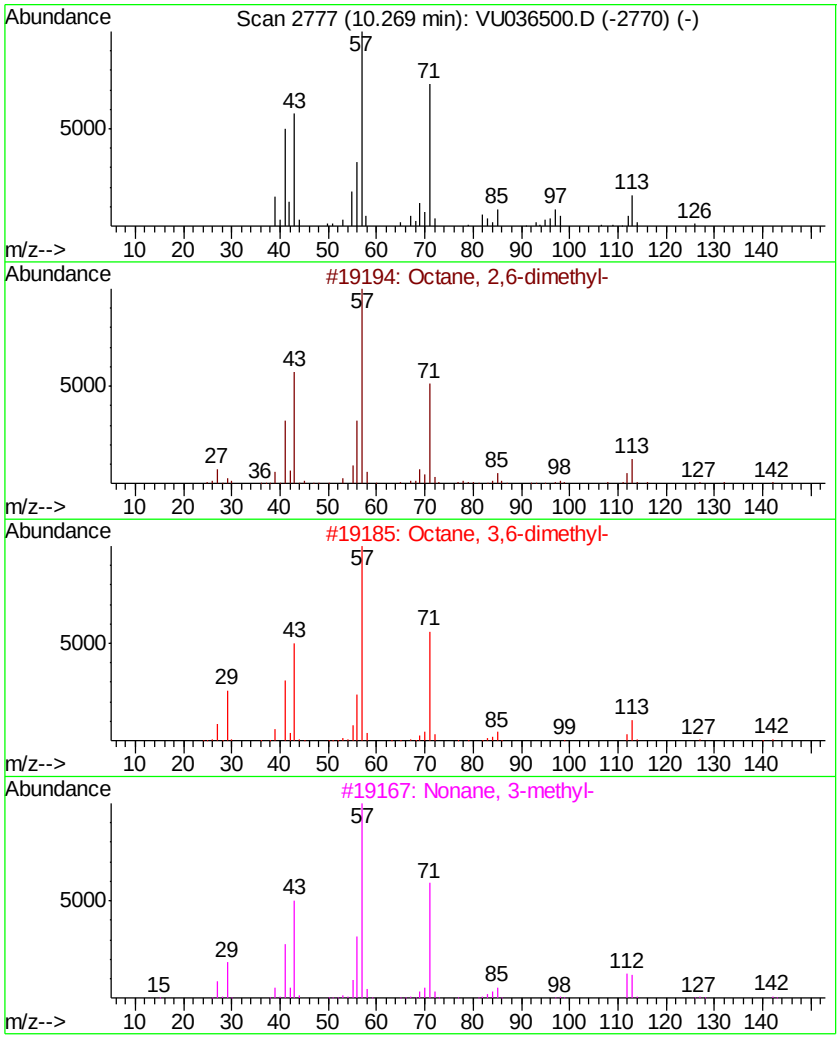
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

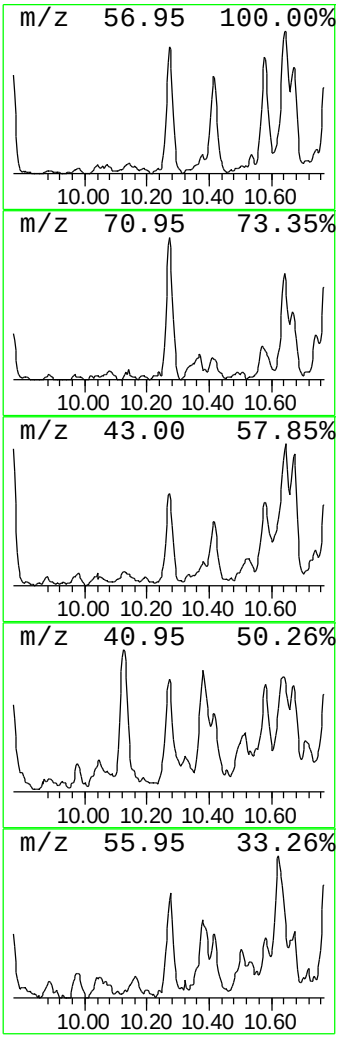
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	3.13 ug/L	104822	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	74
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

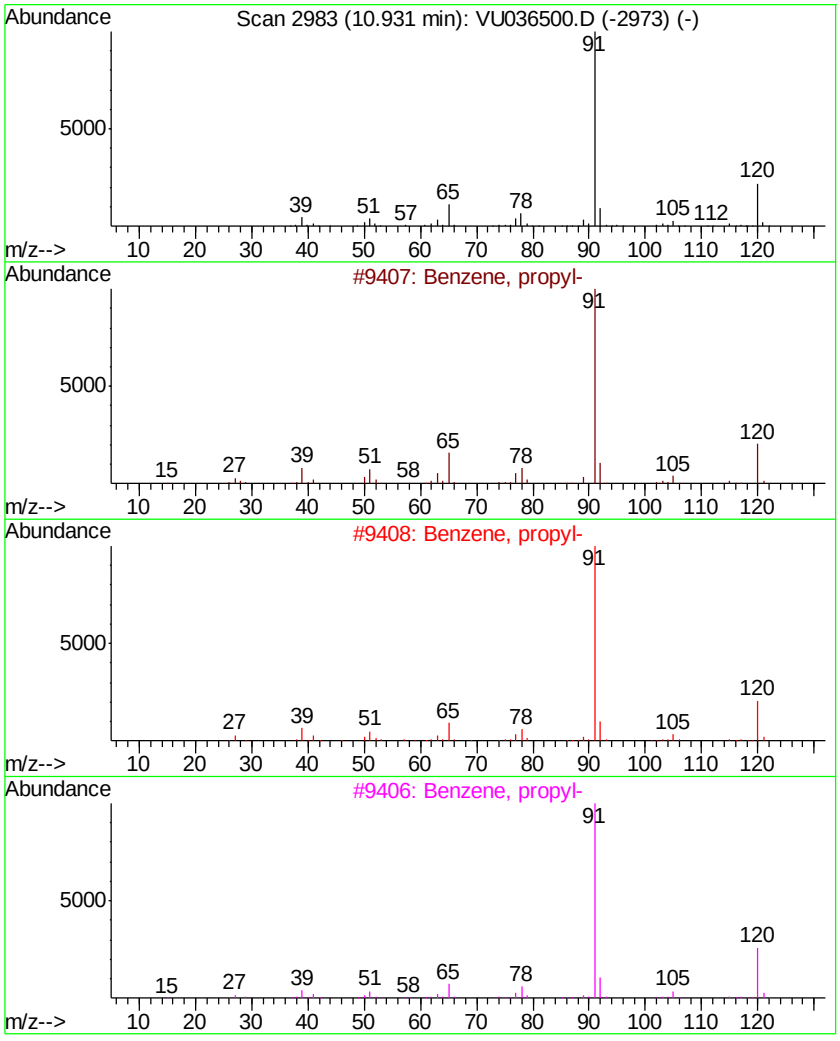
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

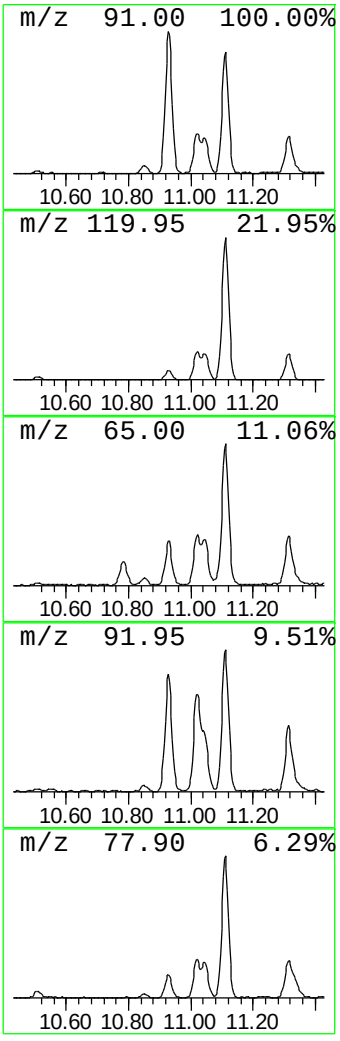
****

Peak Number 3 Benzene, propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	11.61 ug/L	539012	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

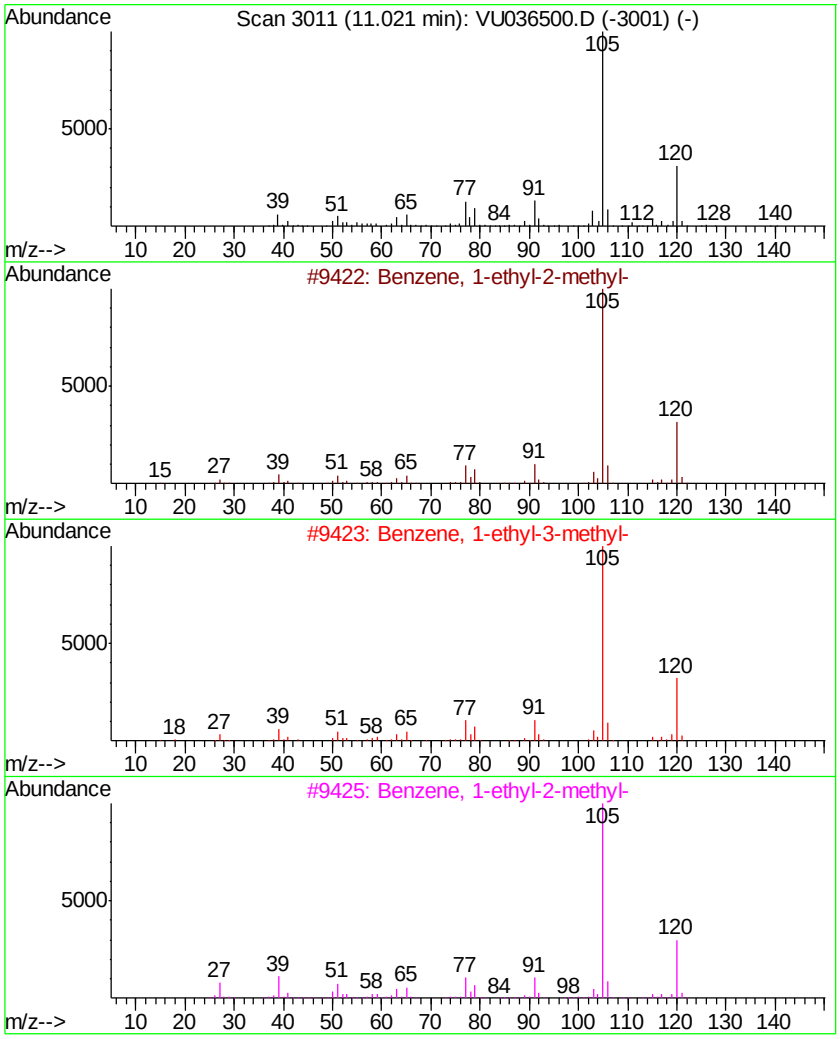
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

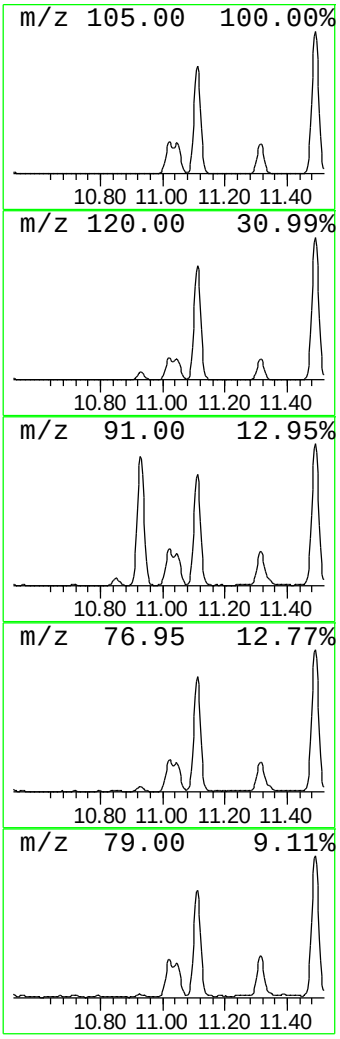
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	36.19 ug/L	1679360	1,4-Dichlorobenzene-d4	11.83

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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

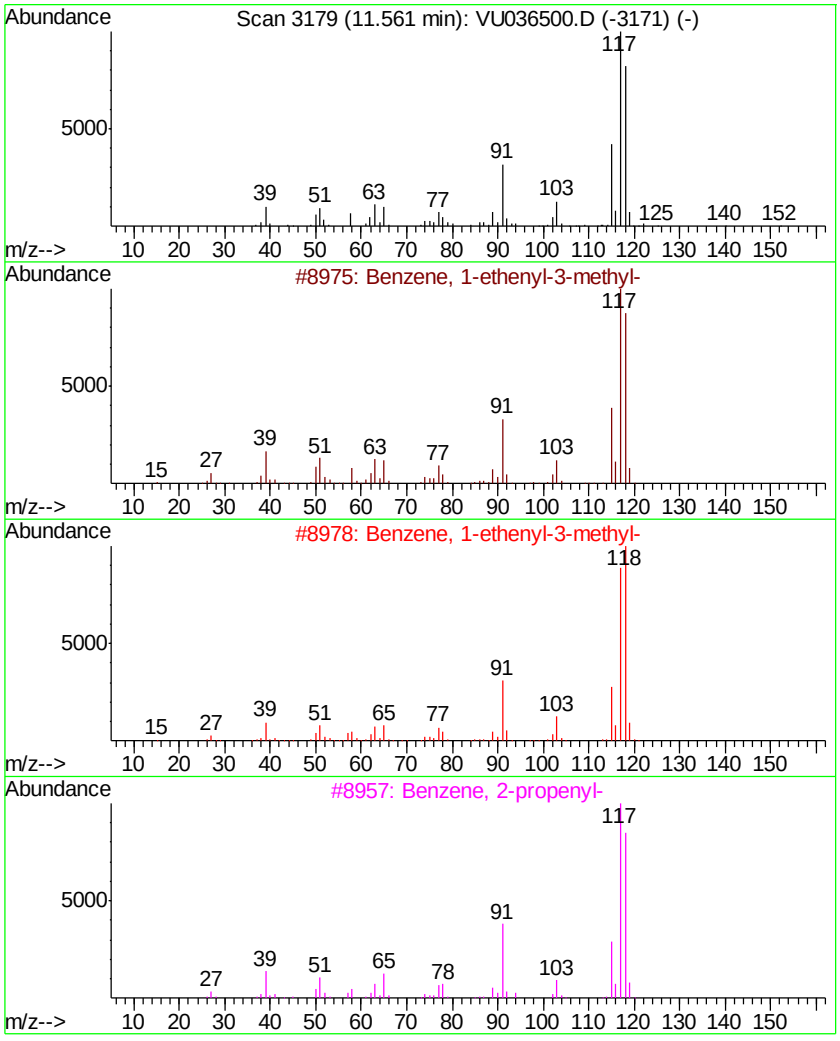
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

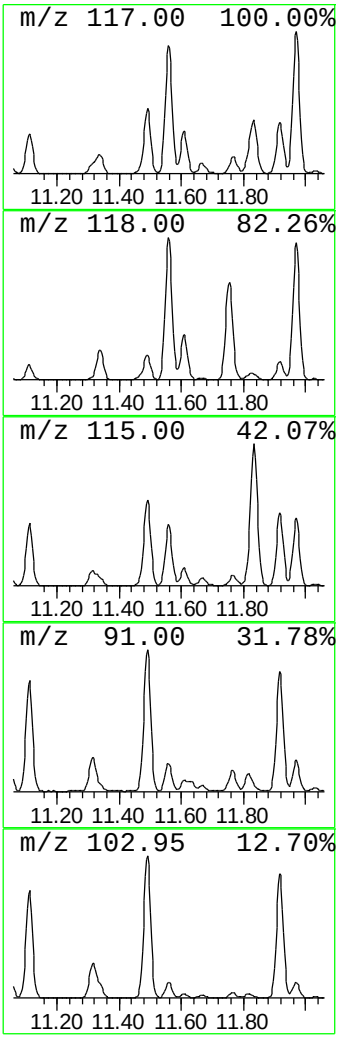
****

Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	13.73 ug/L	637034	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

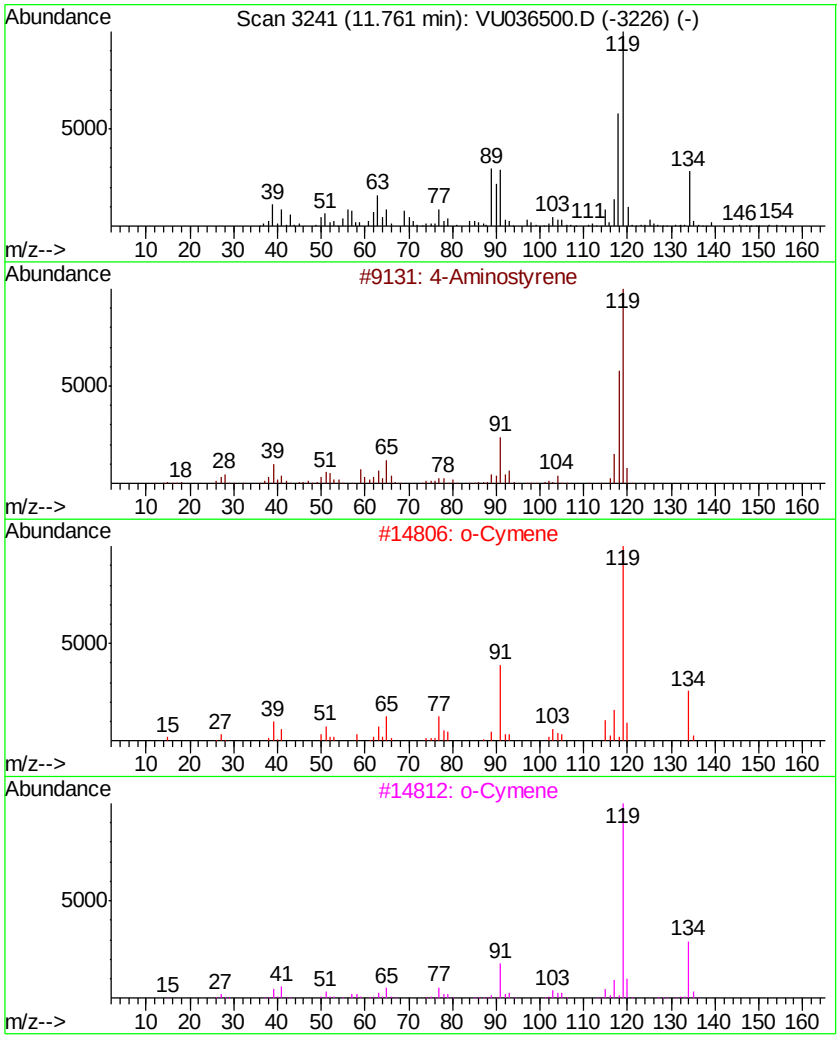
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

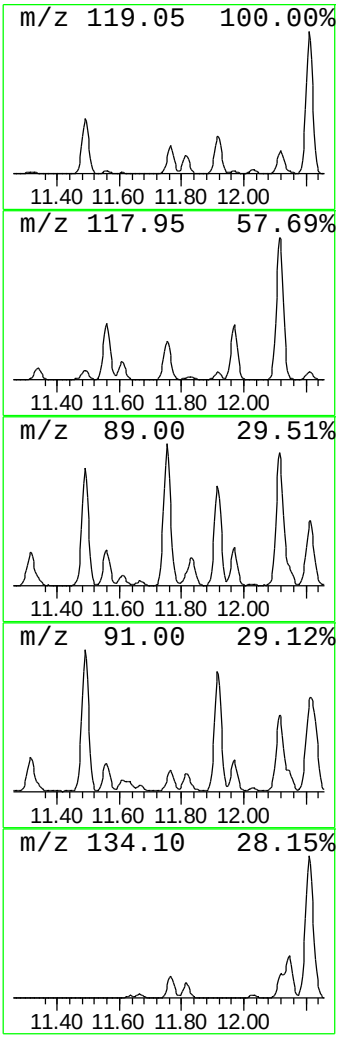
****

Peak Number 9 4-Aminostyrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	26.21 ug/L	1216530	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Aminostyrene	119	C8H9N	001520-21-4	62
2	o-Cymene	134	C10H14	000527-84-4	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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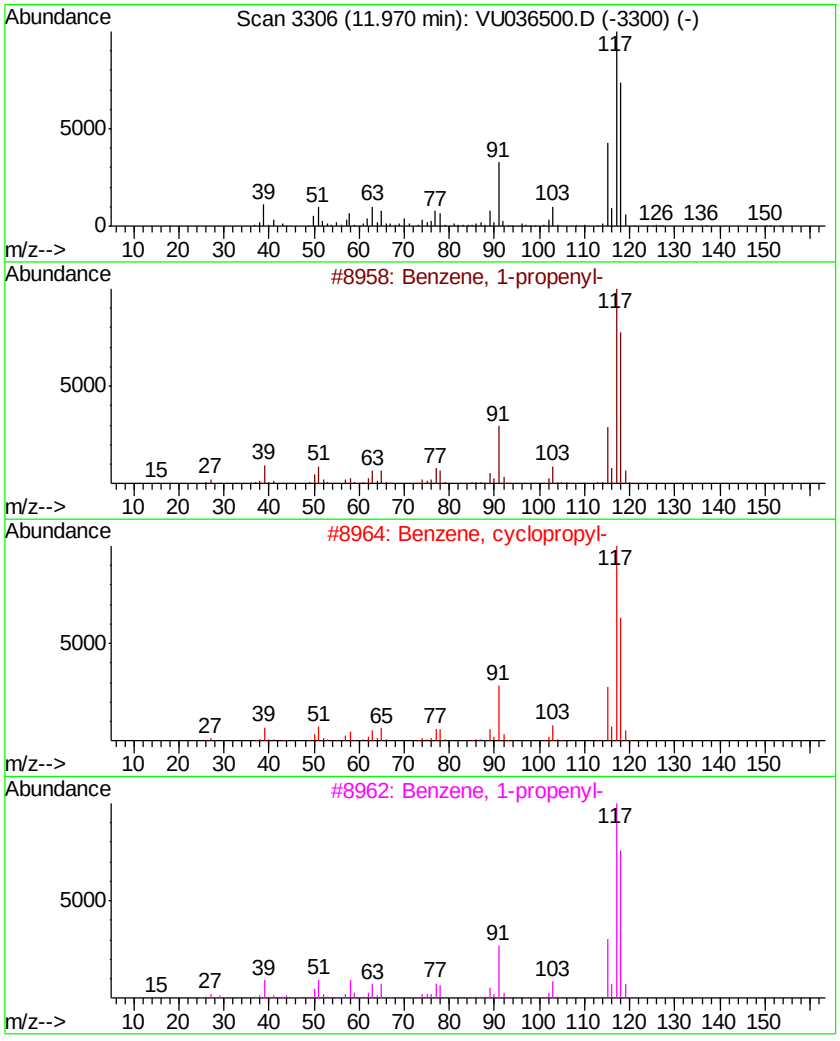
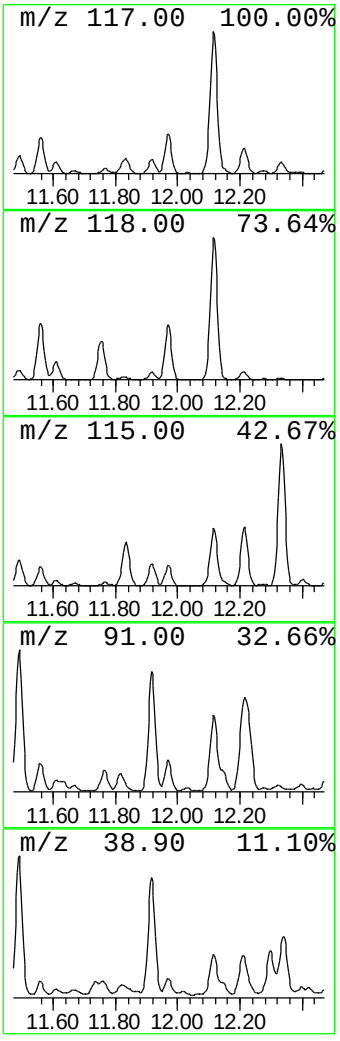
Peak Number 11 Benzene, 1-propenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	15.41 ug/L	715280	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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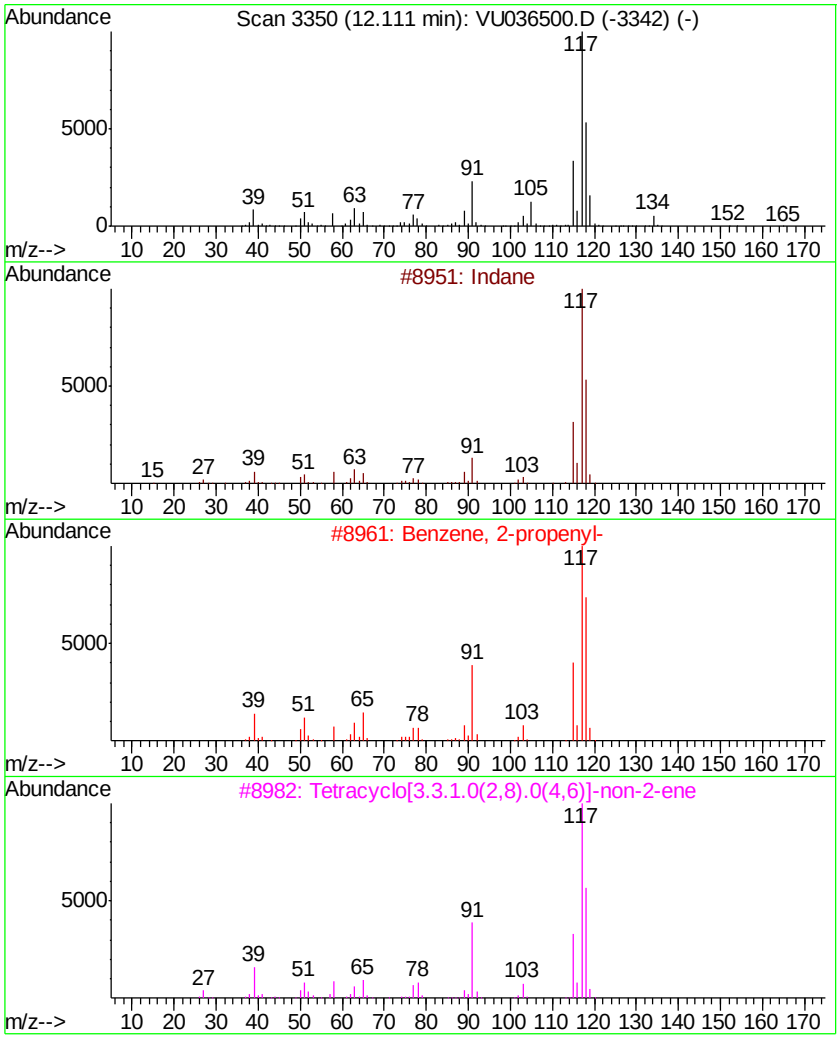
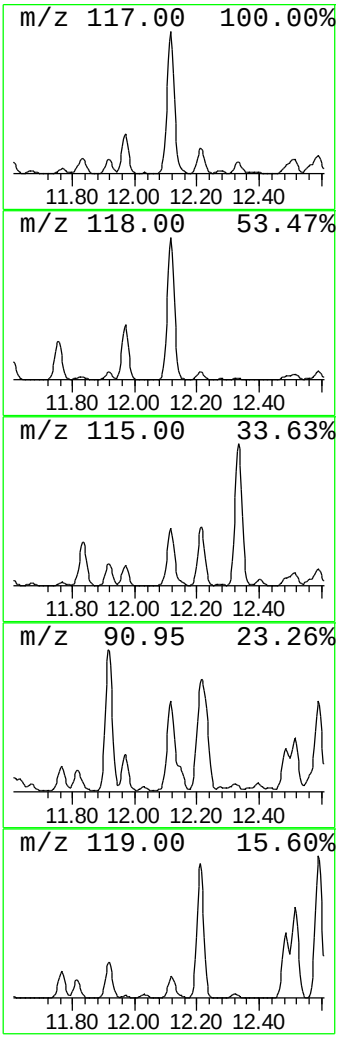
Peak Number 12 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	60.57 ug/L	2810980	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	68
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Indane	118	C9H10	000496-11-7	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

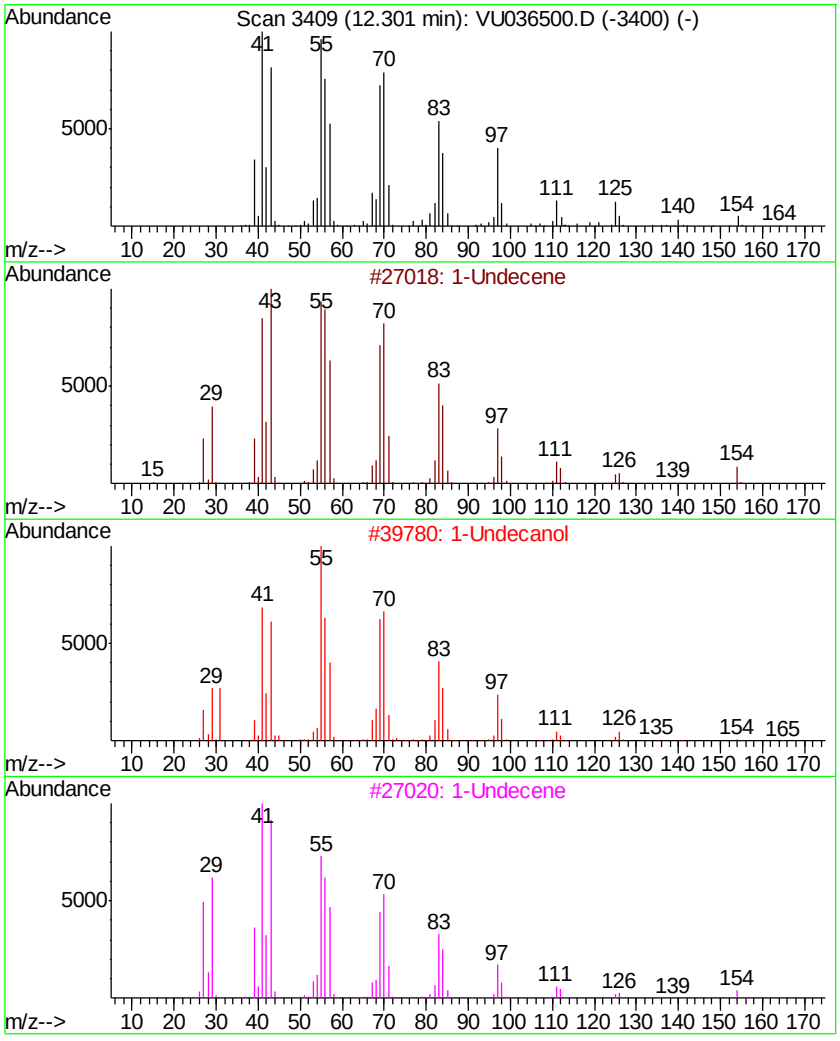
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

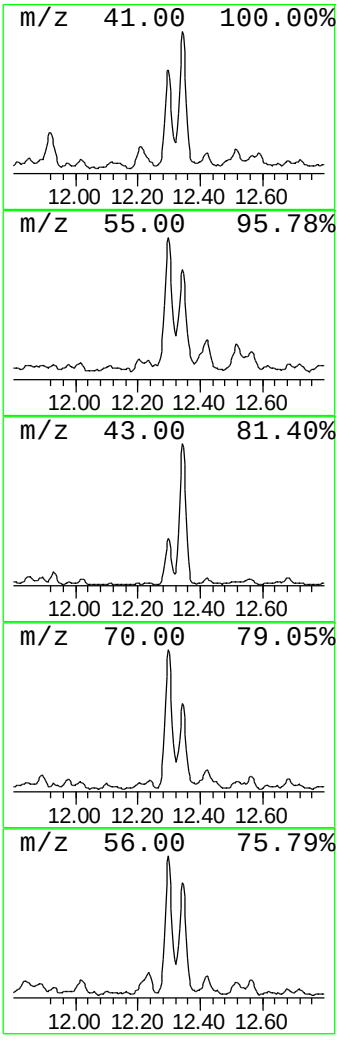
****

Peak Number 13 (DEL) Alkane: Cyclic12.30 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	35.11 ug/L	1629260	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene	154	C11H22	000821-95-4	91
2	1-Undecanol	172	C11H24O	000112-42-5	86
3	1-Undecene	154	C11H22	000821-95-4	81
4	Cyclodecane	140	C10H20	000293-96-9	80
5	Cyclobutane, 1-butyl-2-ethyl-	140	C10H20	1000150-67-3	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

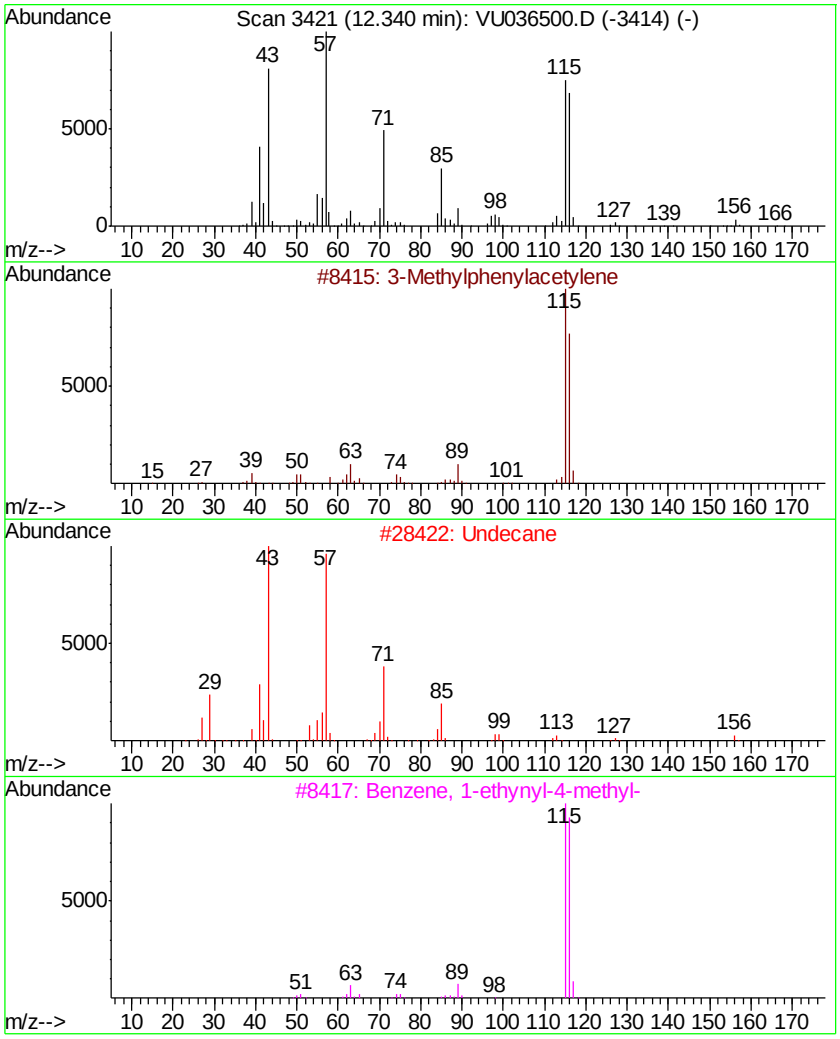
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

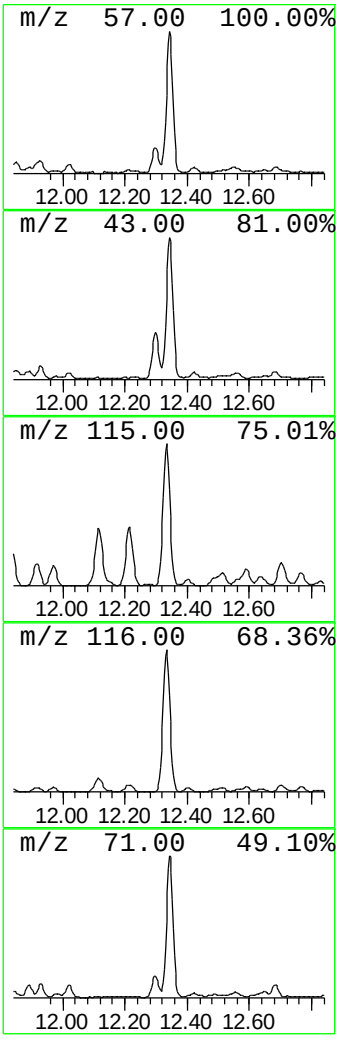
****

Peak Number 14 3-Methylphenylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	88.45 ug/L	4105020	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylphenylacetylene	116	C9H8	000766-82-5	60
2	Undecane	156	C11H24	001120-21-4	47
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	46
4	Indene	116	C9H8	000095-13-6	41
5	Indene	116	C9H8	000095-13-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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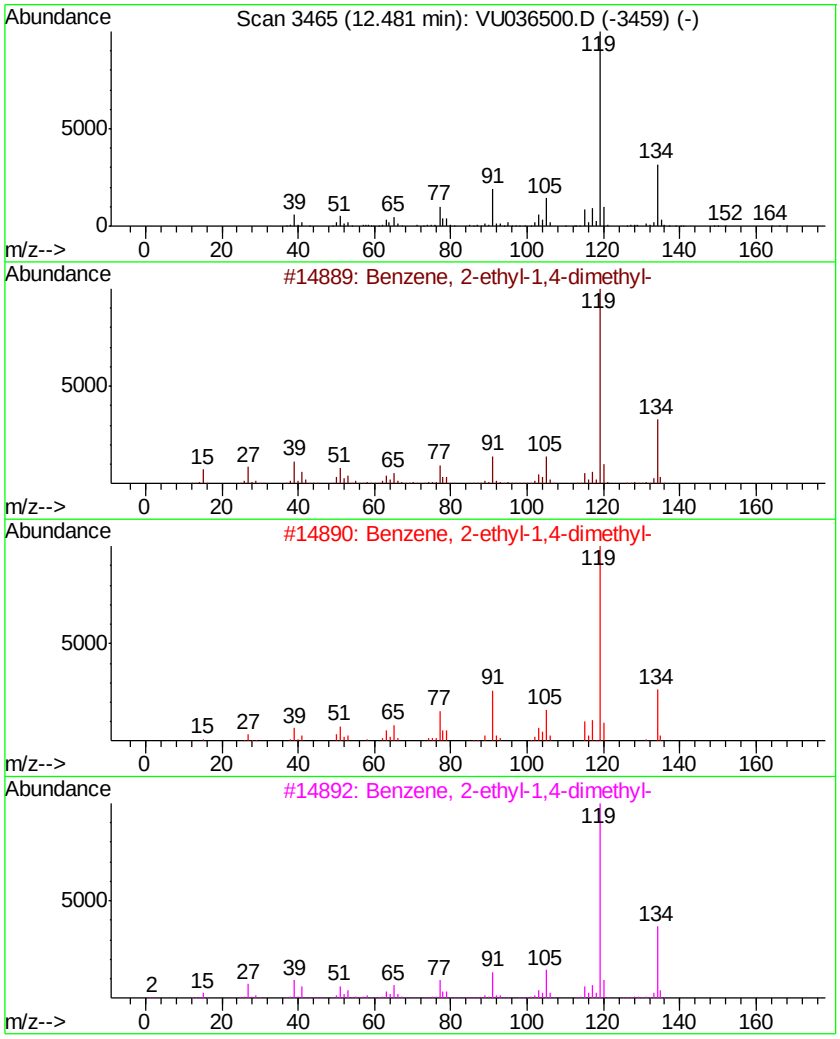
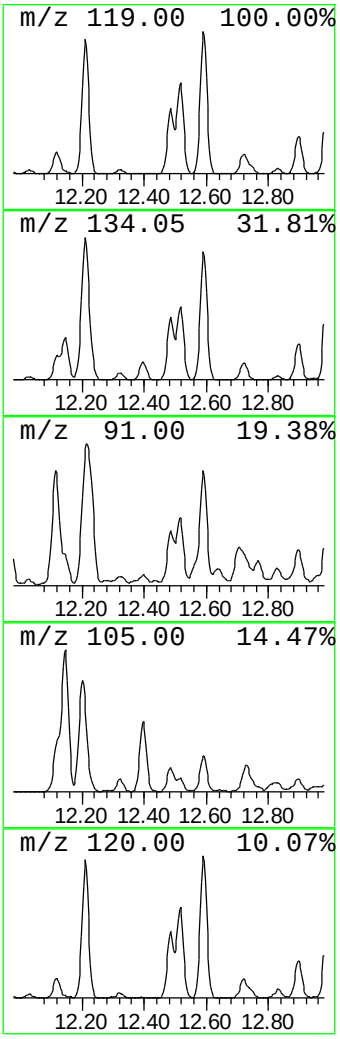
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	20.80 ug/L	965208	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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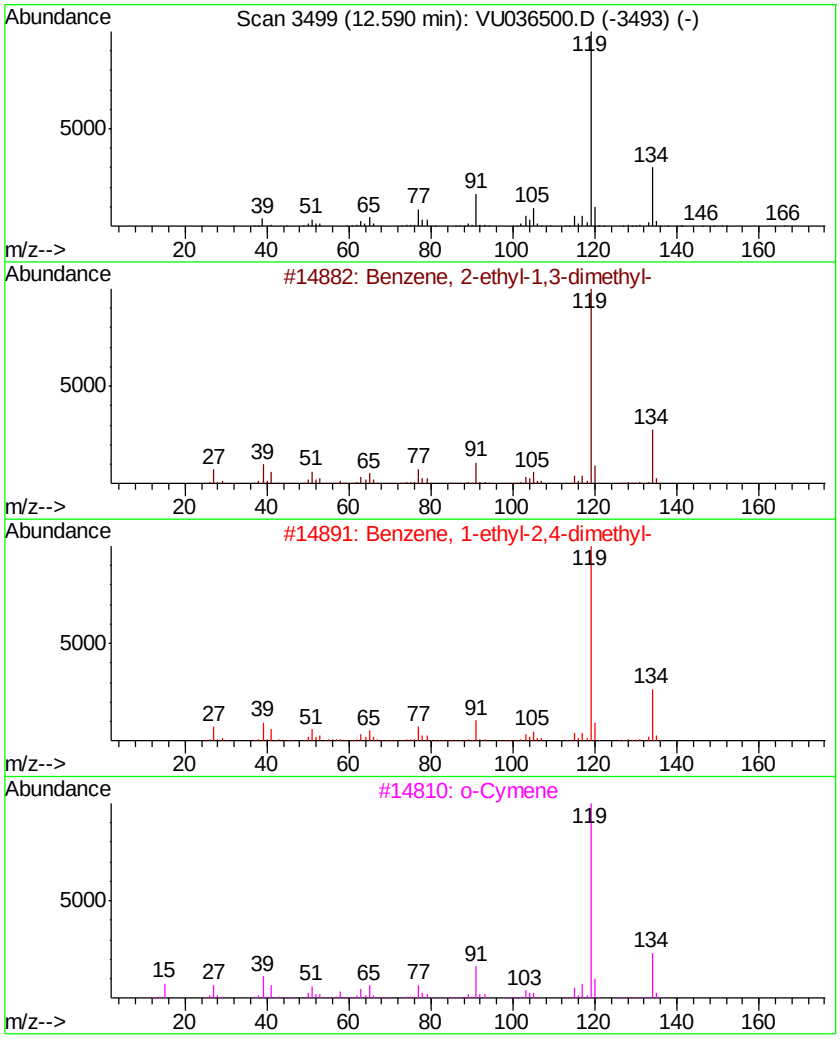
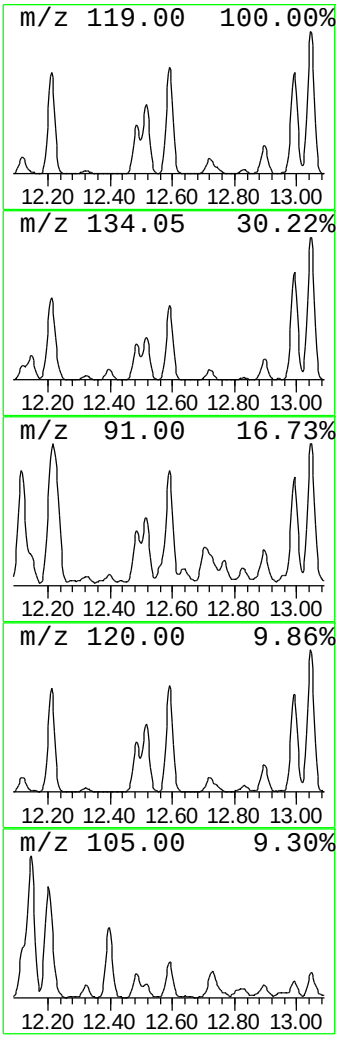
Peak Number 16 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	42.00 ug/L	1949250	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





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Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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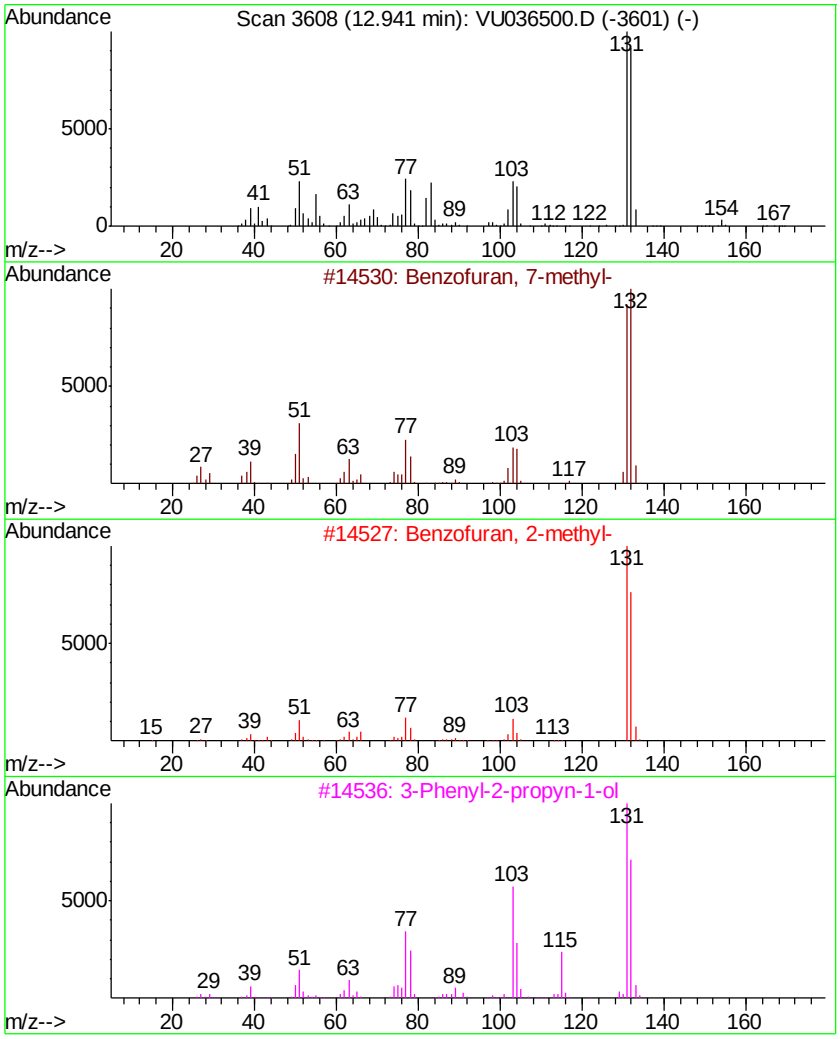
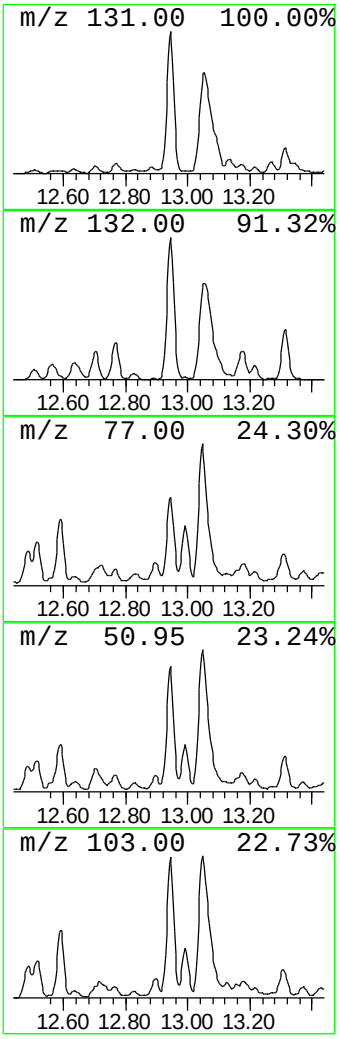
Peak Number 17 Benzofuran, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	43.69 ug/L	2027470	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	87
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	81
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	81
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	81
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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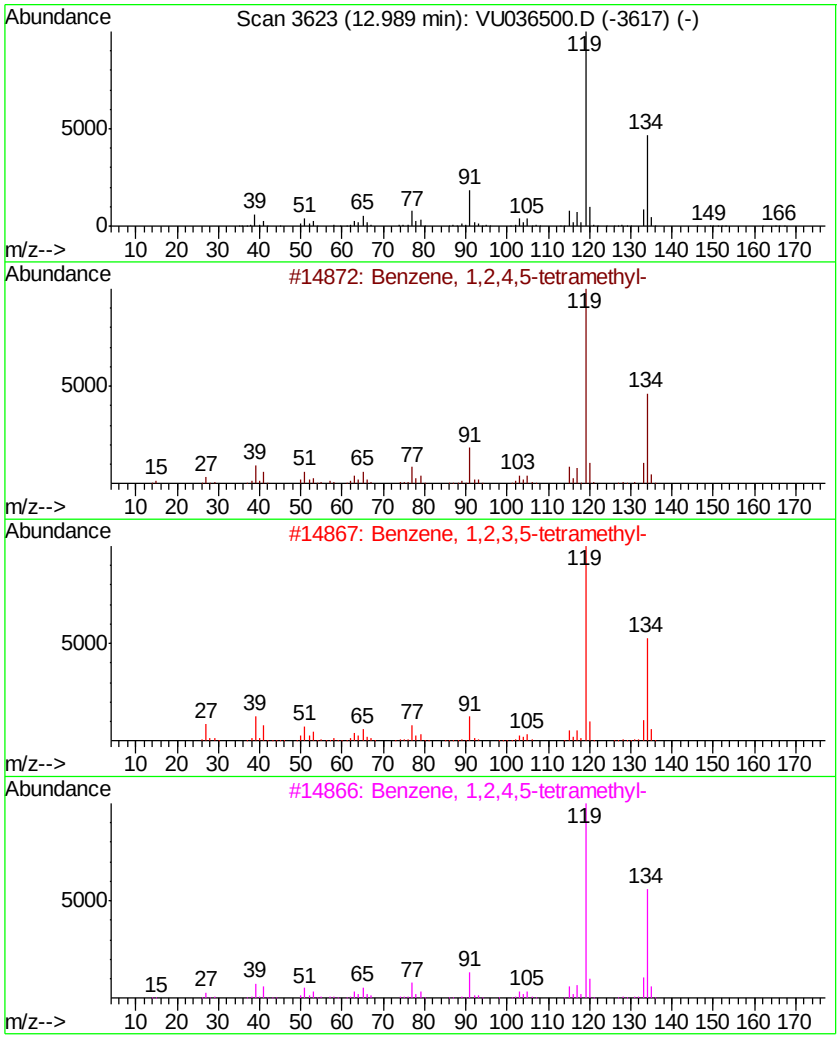
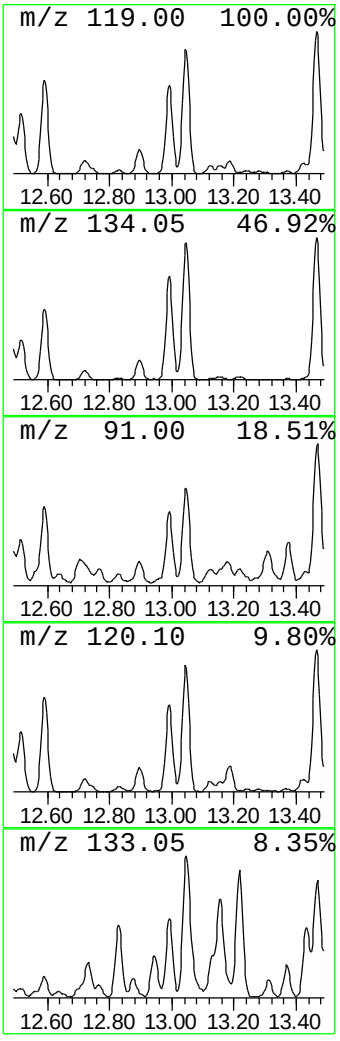
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	41.45 ug/L	1923690	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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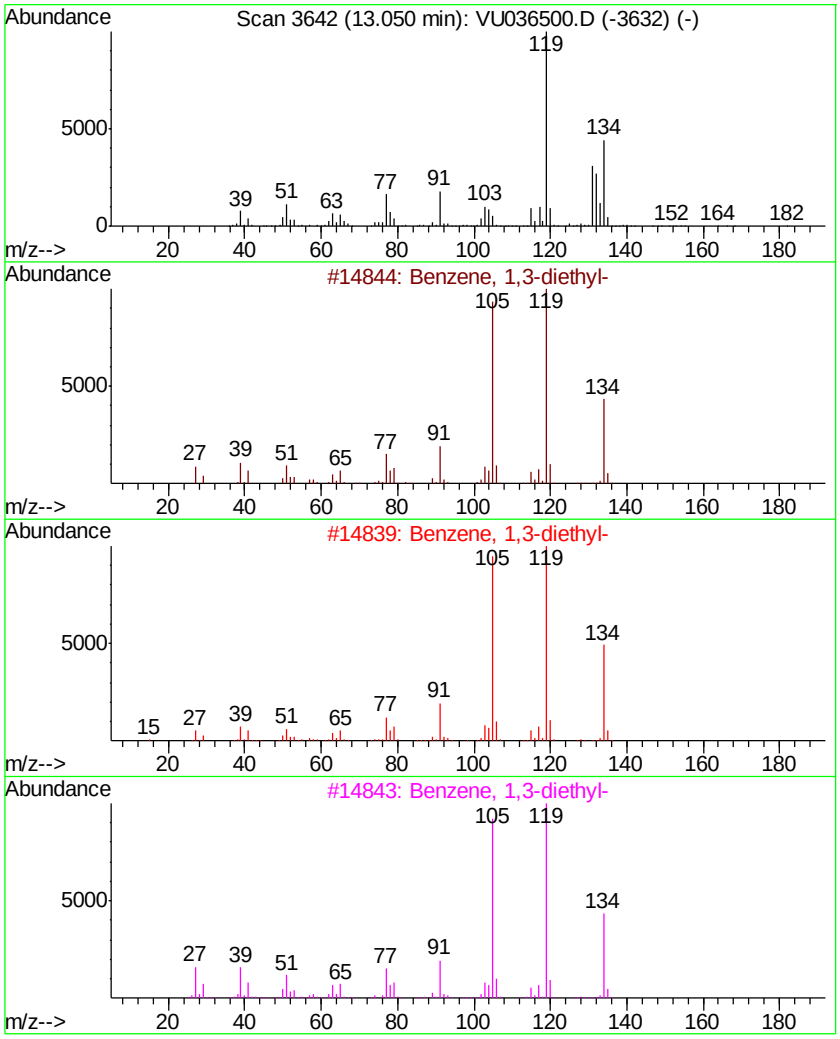
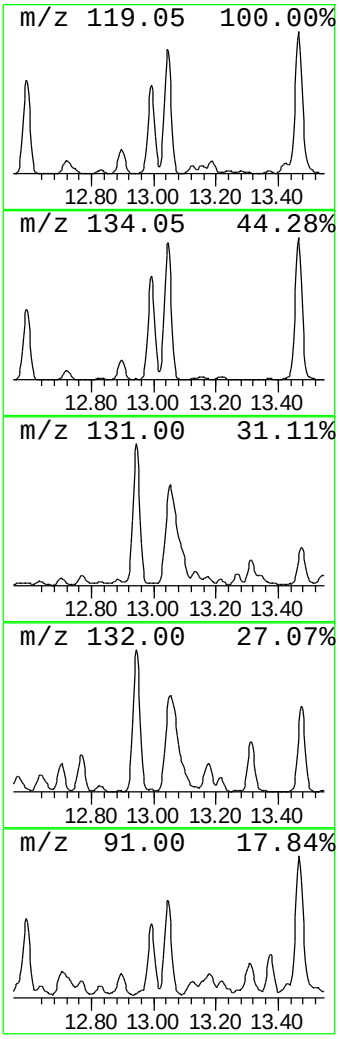
Peak Number 19 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	106.74 ug/L	4953970	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

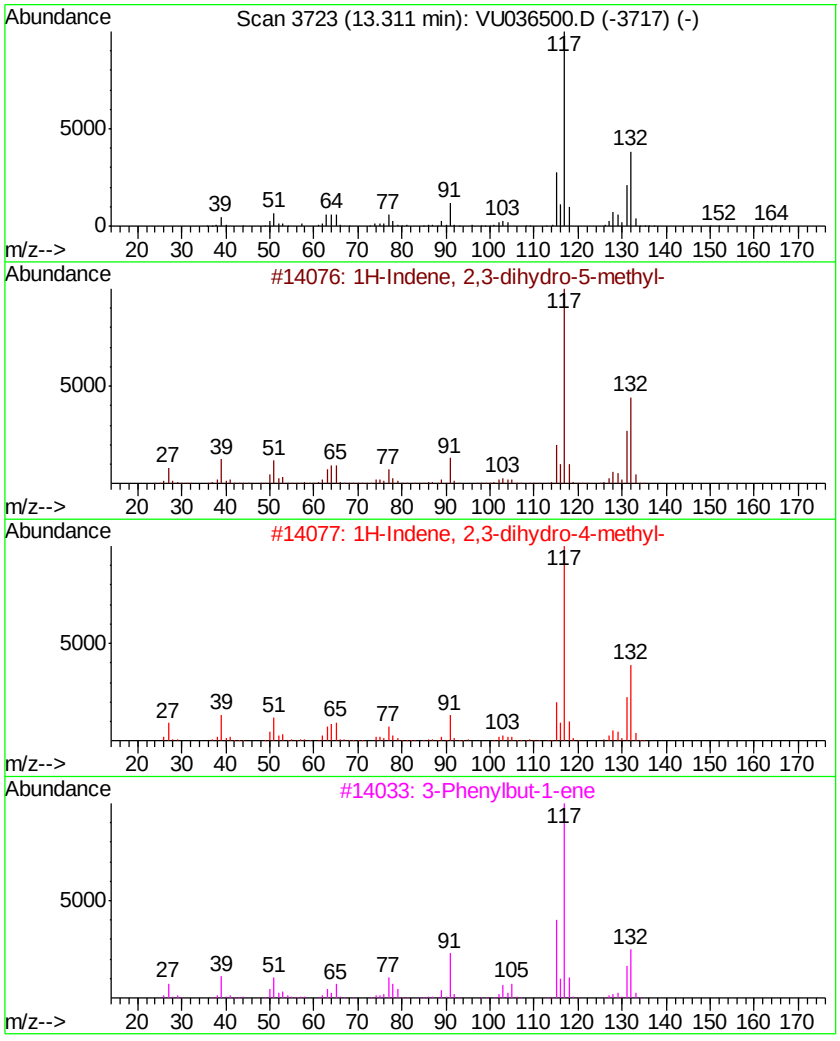
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

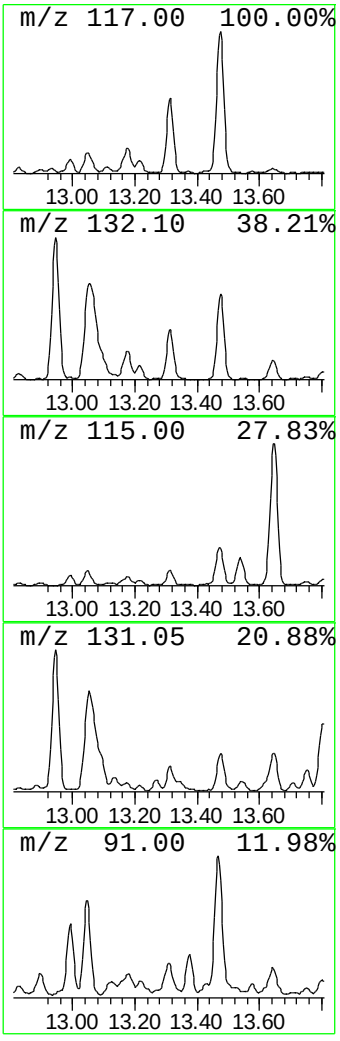
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	24.86 ug/L	1153850	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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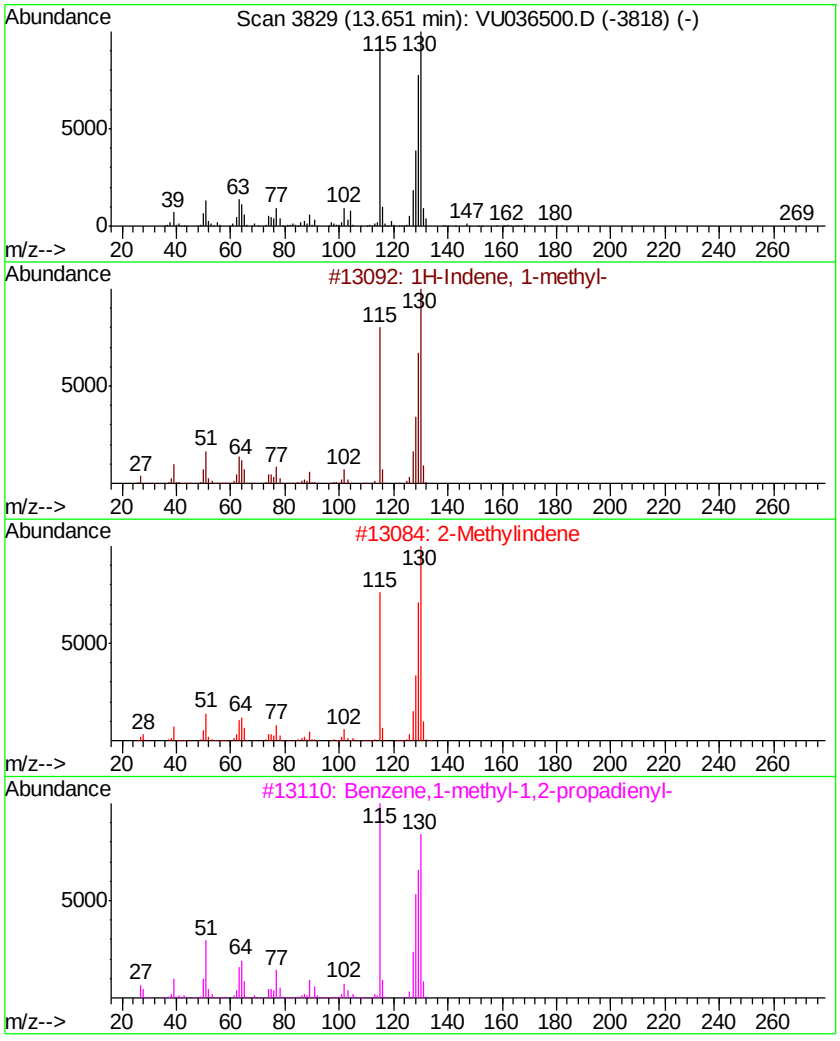
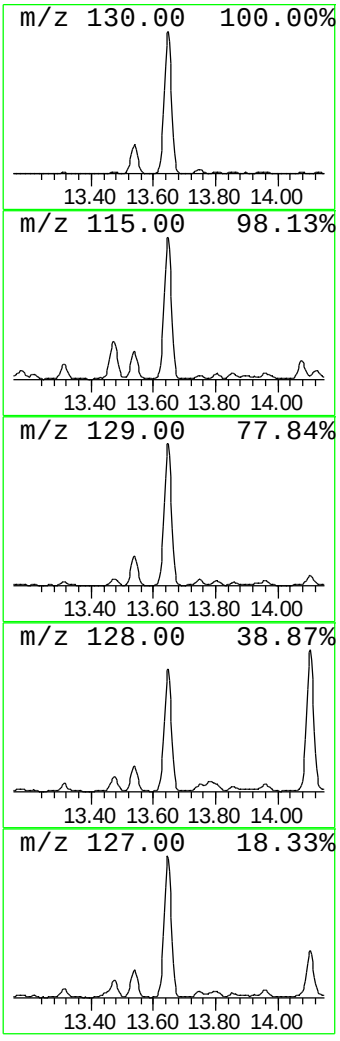
Peak Number 21 1H-Indene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	131.43 ug/L	6099850	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





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Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

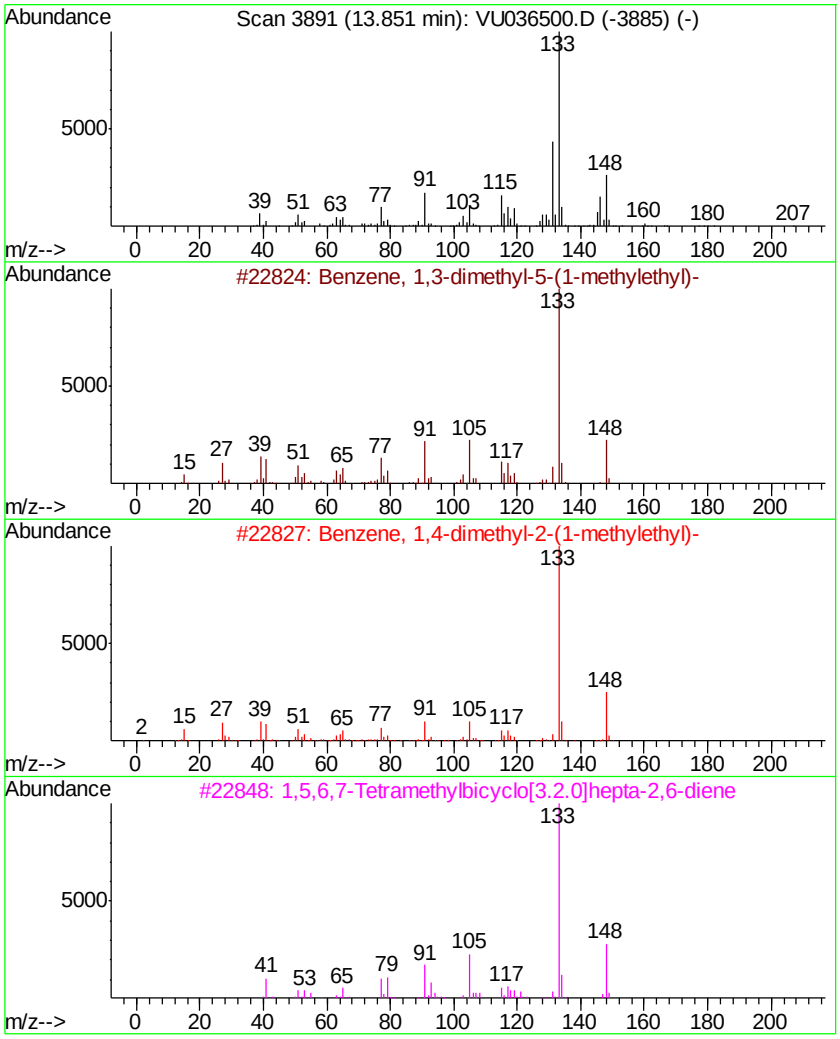
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

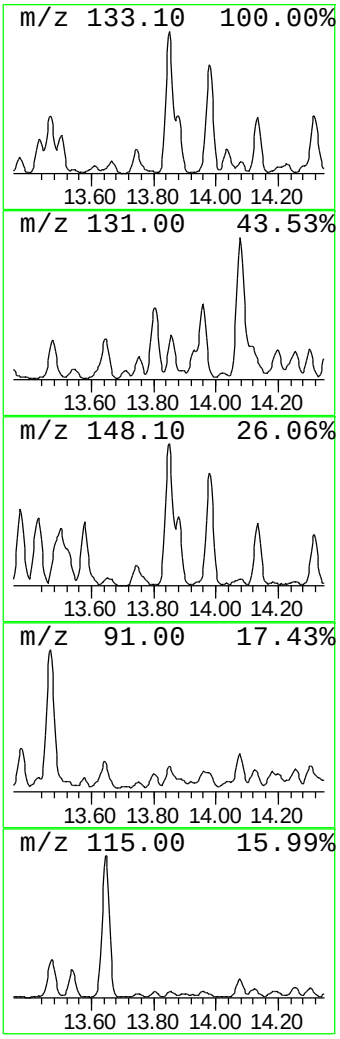
****

Peak Number 22 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	20.82 ug/L	966394	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	70
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	58
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	58
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	52
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

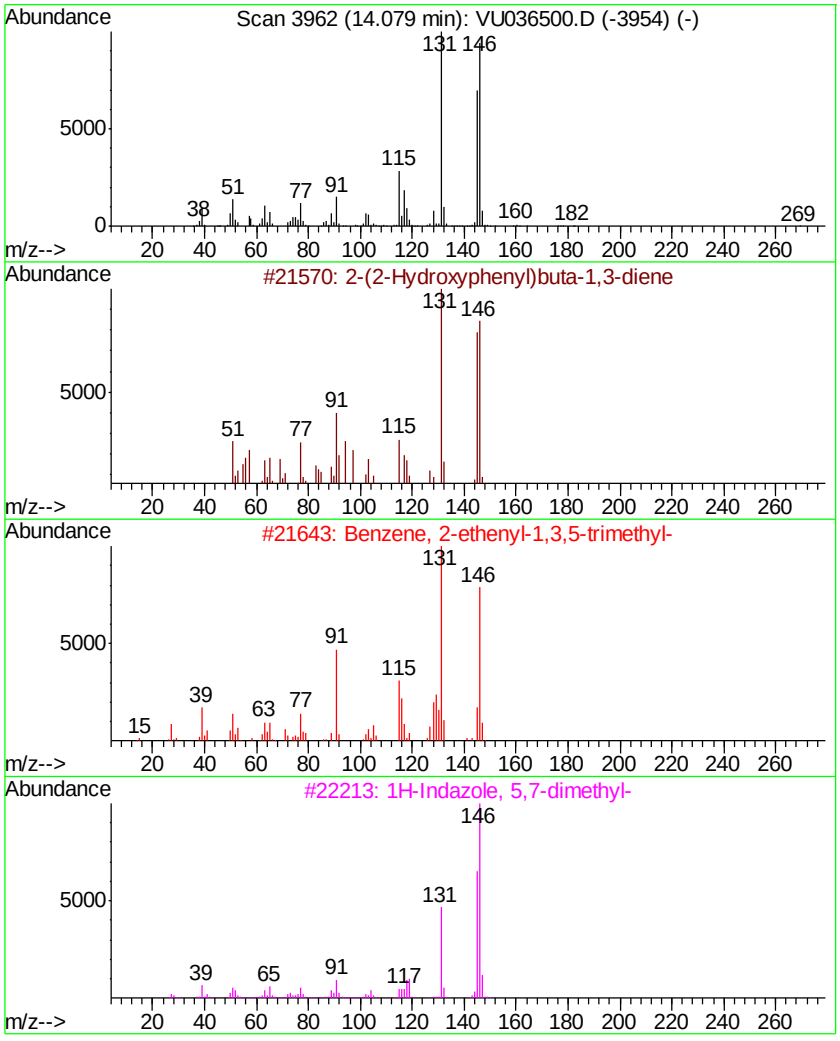
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

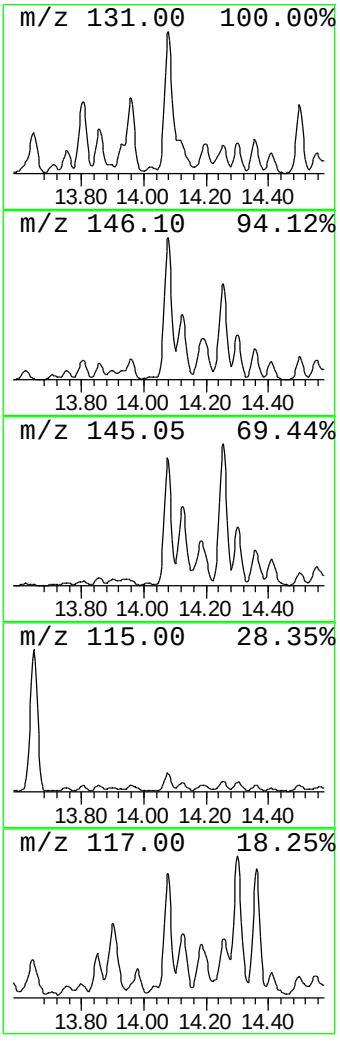
****

Peak Number 23 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	44.26 ug/L	2054130	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	80
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	72
3	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	72
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	64
5	1-Methylindan-2-one	146	C10H10O	035587-60-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

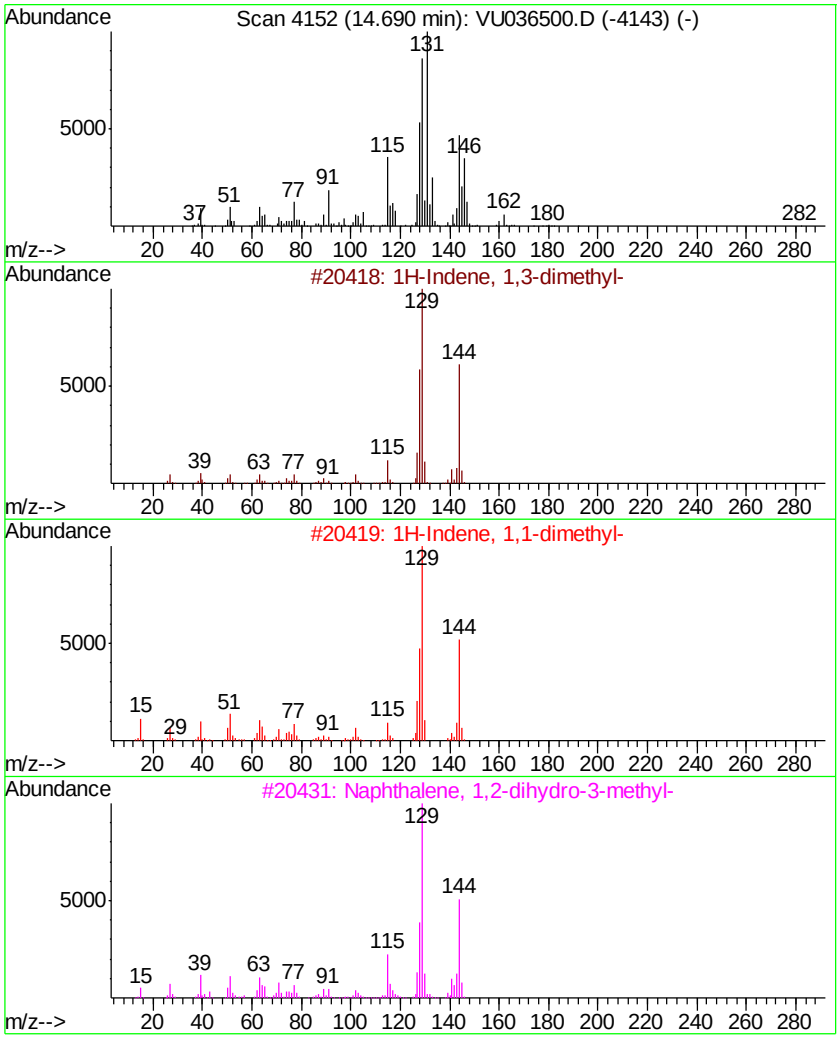
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

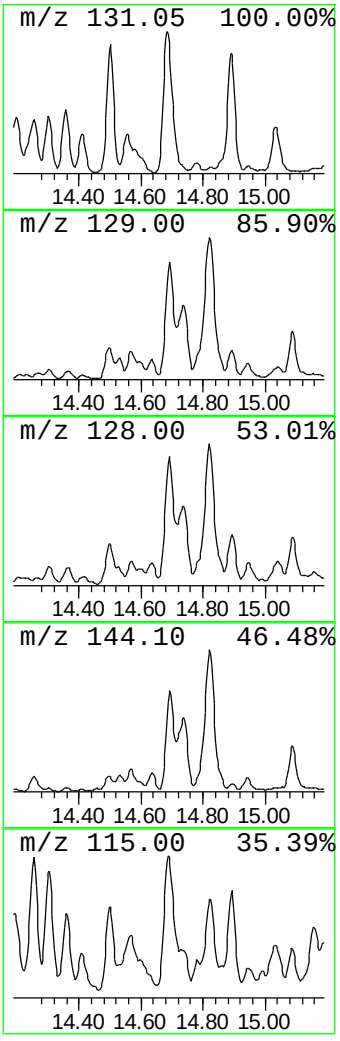
****

Peak Number 24 1H-Indene, 1,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	32.90 ug/L	1527090	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	50
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	50
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	46
4	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	46
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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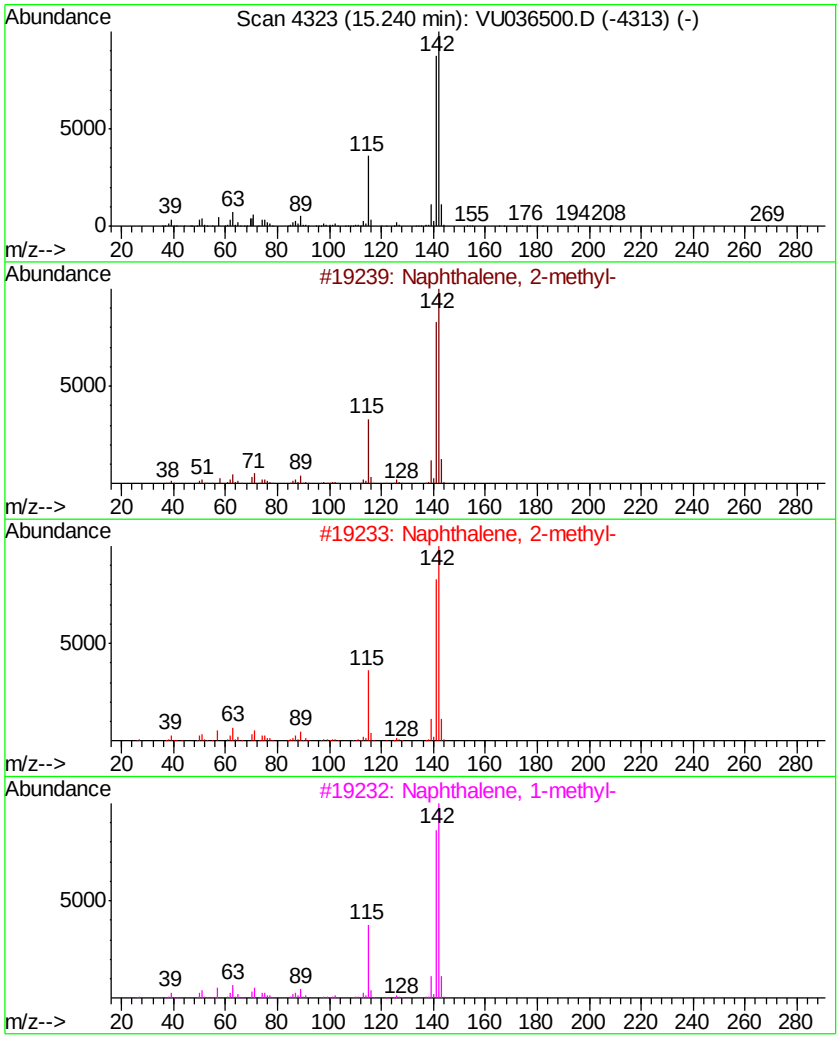
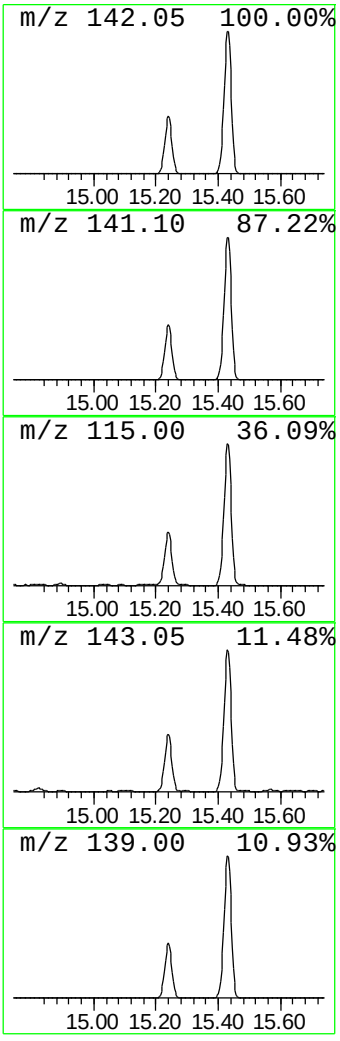
Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	341.59 ug/L	15853200	1,4-Dichlorobenzene-d4	11.83

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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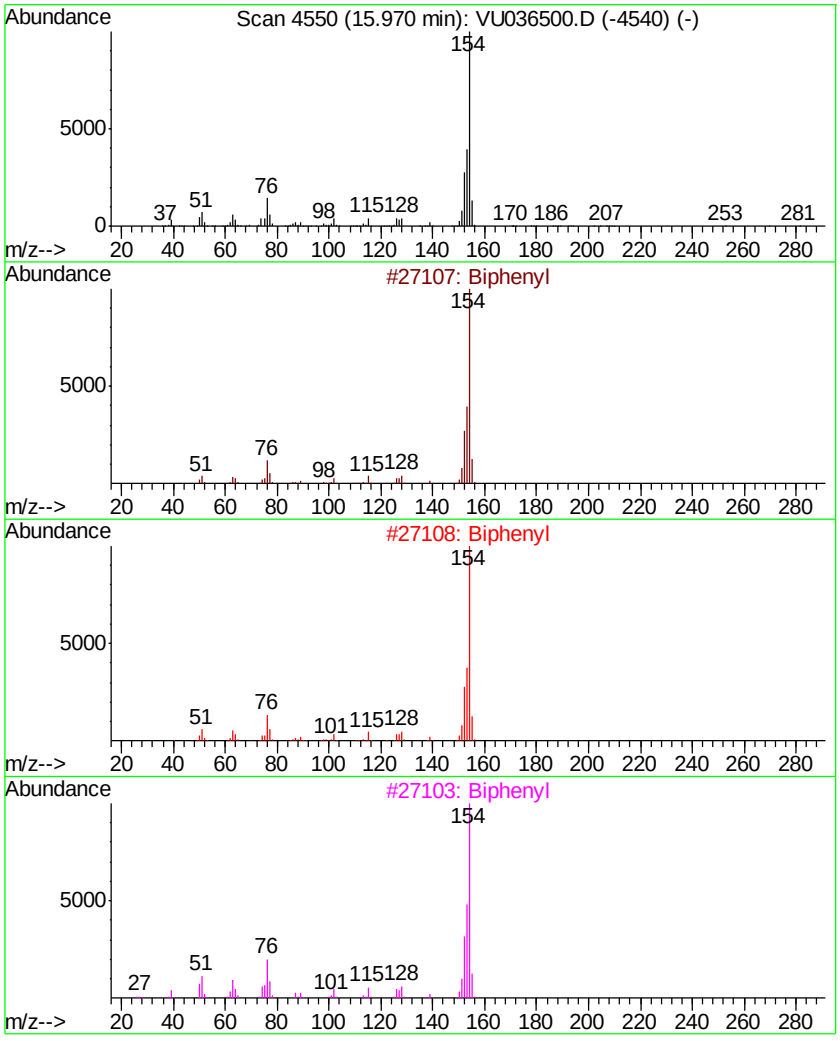
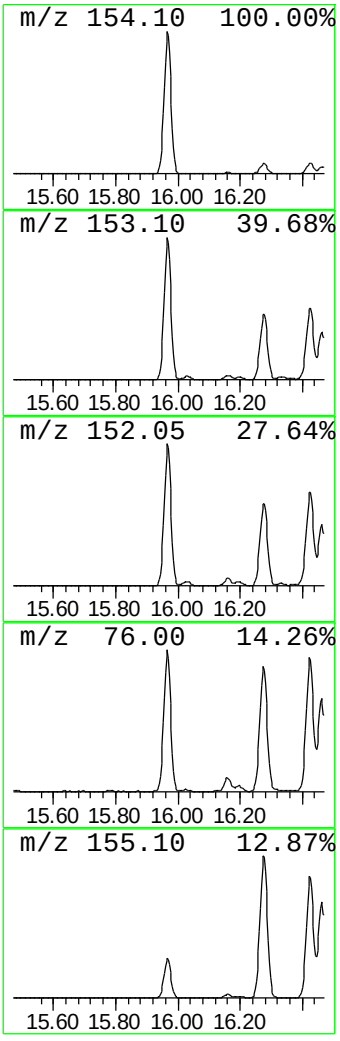
Peak Number 27 Biphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	113.26 ug/L	5256340	1,4-Dichlorobenzene-d4	11.83

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

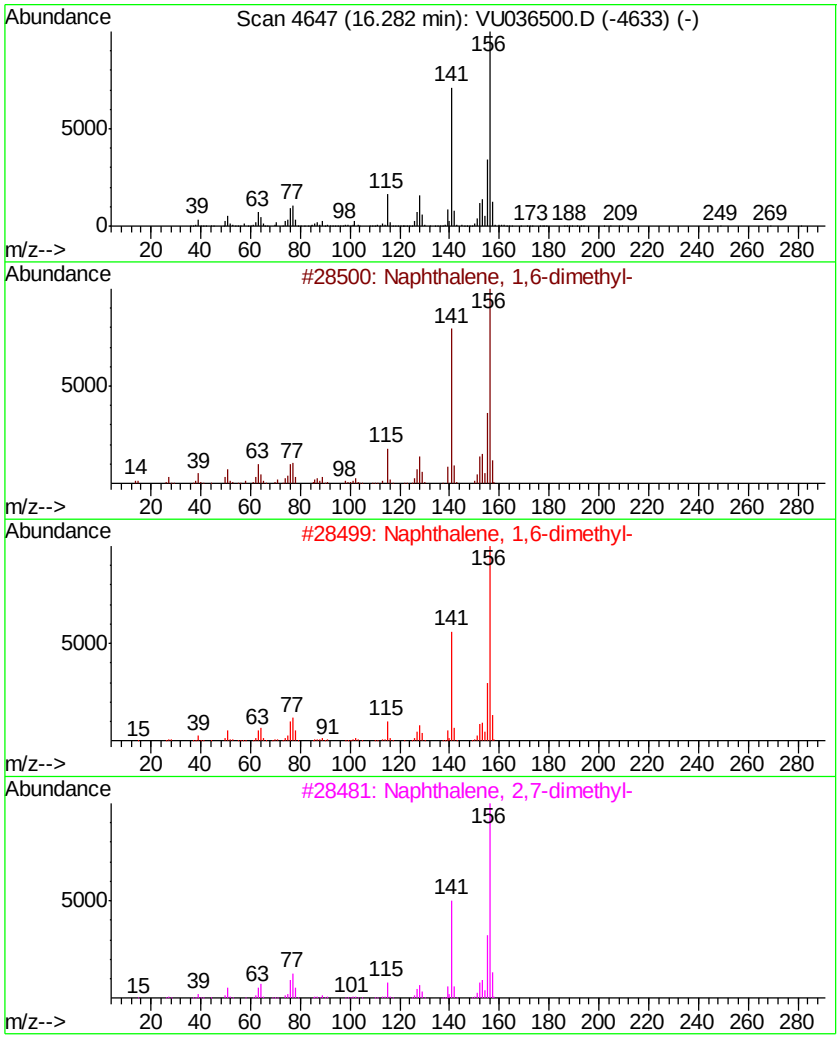
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

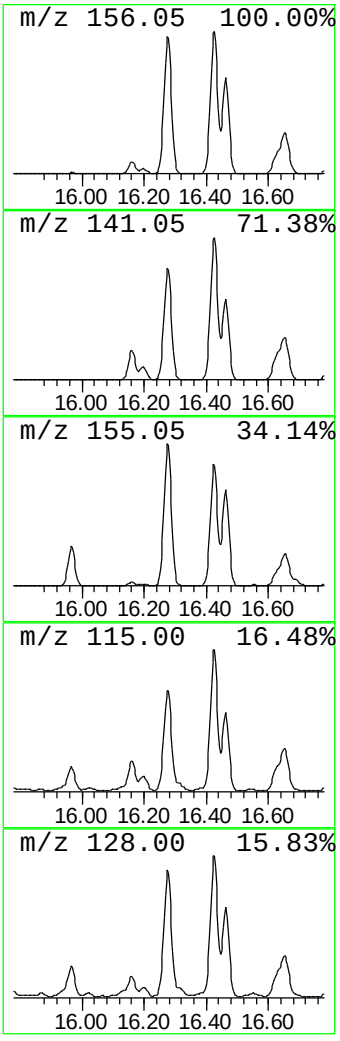
****

Peak Number 29 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	258.16 ug/L	11980900	1,4-Dichlorobenzene-d4	11.83

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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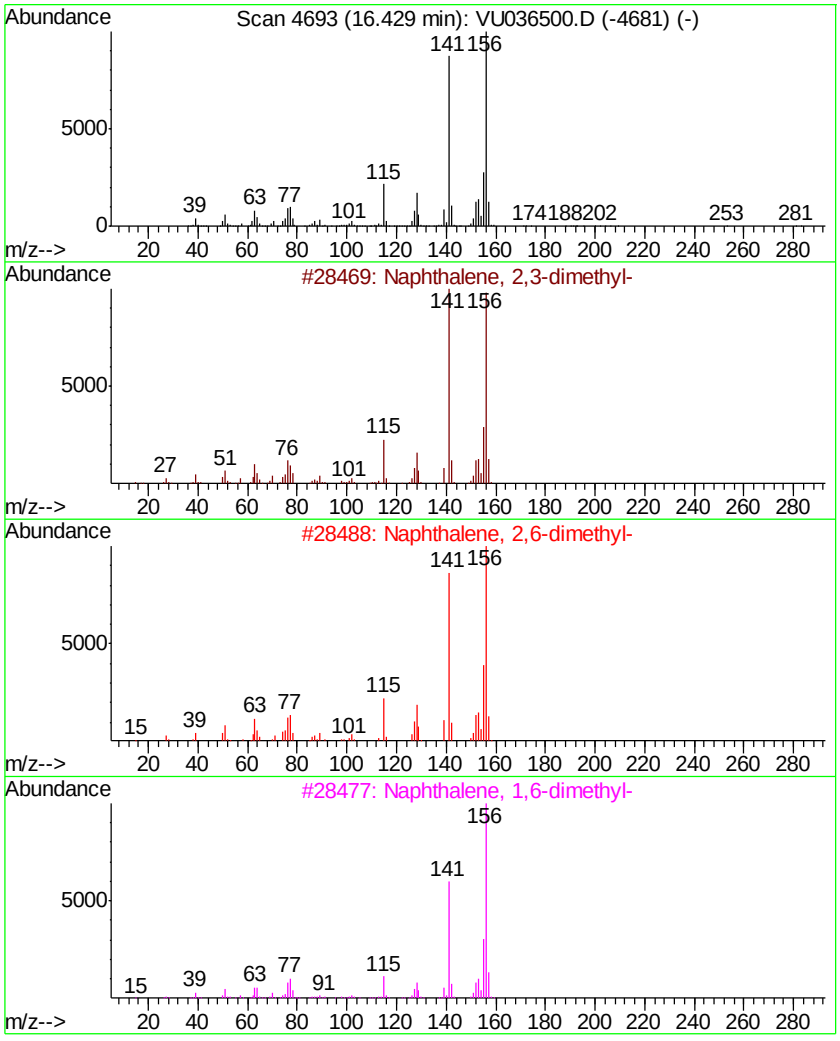
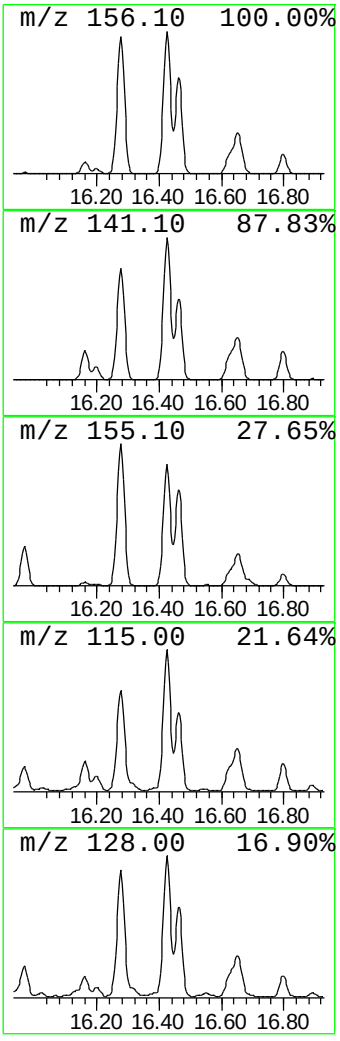
Peak Number 30 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	250.47 ug/L	11624400	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

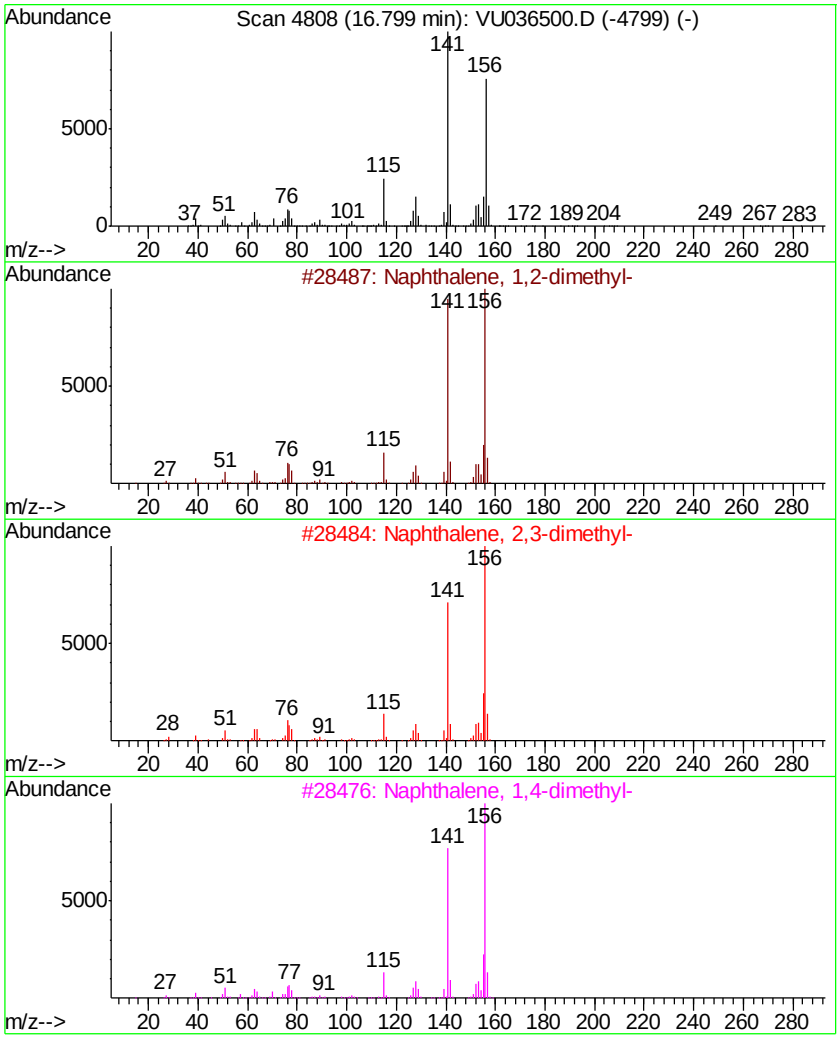
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

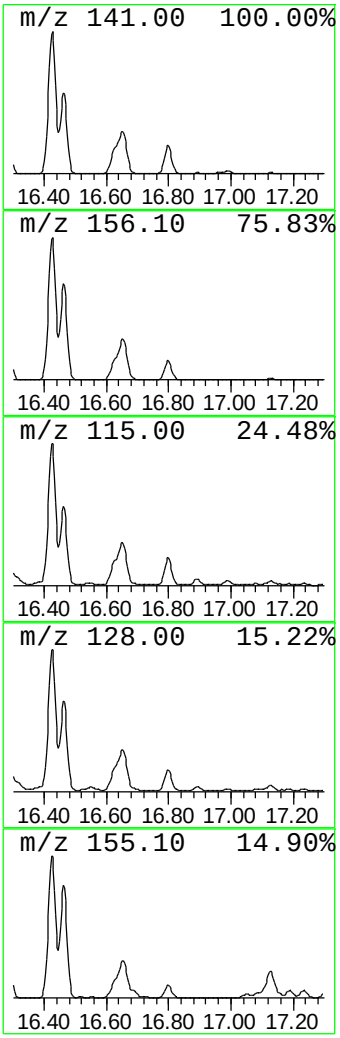
****

Peak Number 33 Naphthalene, 1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	39.70 ug/L	1842620	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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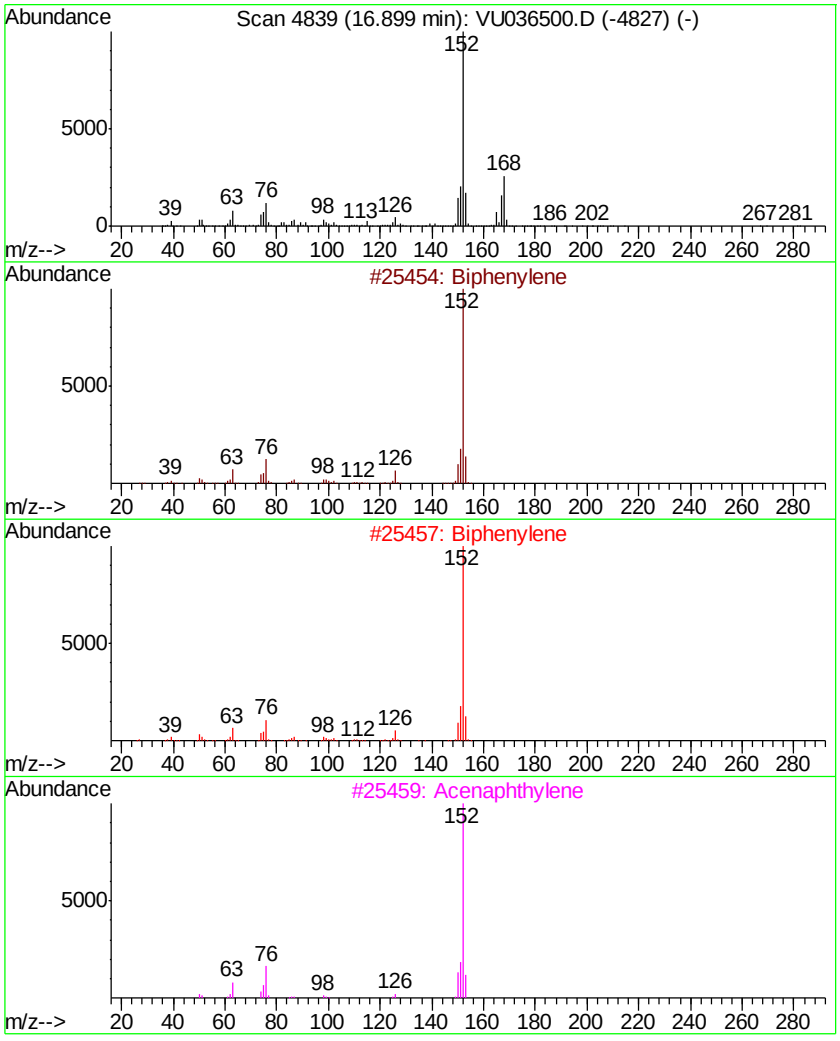
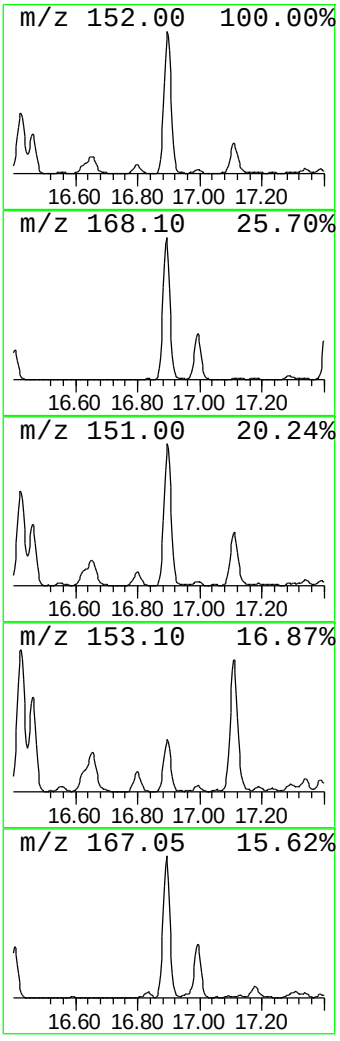
Peak Number 34 Biphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	55.78 ug/L	2588720	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	89
2	Biphenylene	152	C12H8	000259-79-0	76
3	Acenaphthylene	152	C12H8	000208-96-8	64
4	Acenaphthylene	152	C12H8	000208-96-8	62
5	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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

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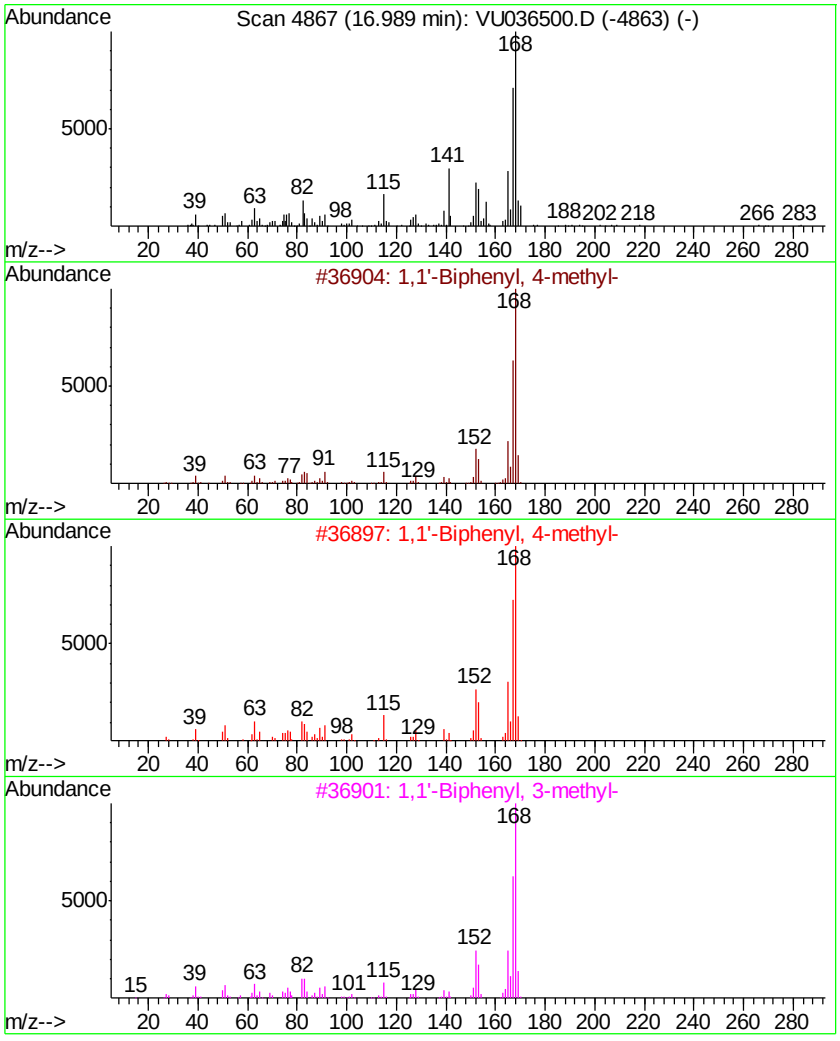
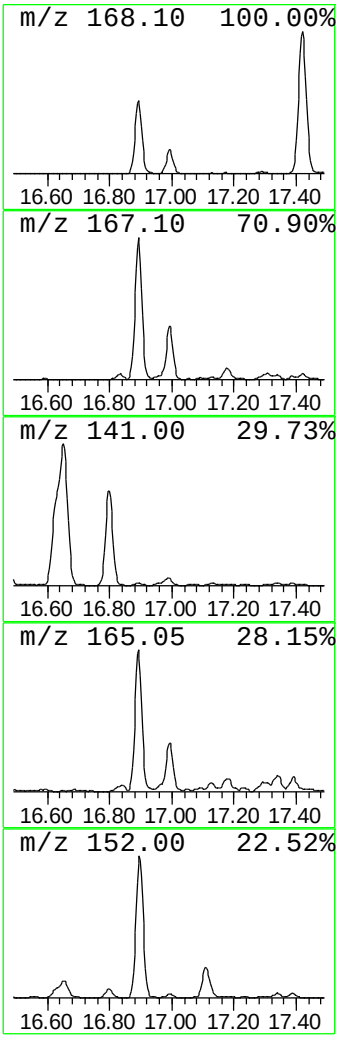
Peak Number 35 1,1'-Biphenyl, 4-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	7.91 ug/L	367169	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	94
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	89
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	89
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
Data File : VU036500.D
Acq On : 16 Jan 2020 14:07
Operator : JC/MD
Sample : L1109-10ME 4X
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASG9ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.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: Str...	10.27	3.1	ug/L	104822	2	9.45	1675130	50.0
Benzene, propyl-	10.93	11.6	ug/L	539012	3	11.83	2320490	50.0
Benzene, 1-ethyl-...	11.02	36.2	ug/L	1679360	3	11.83	2320490	50.0
Benzene, 1-etheny...	11.56	13.7	ug/L	637034	3	11.83	2320490	50.0
4-Aminostyrene	11.76	26.2	ug/L	1216530	3	11.83	2320490	50.0
Benzene, 1-propenyl-	11.97	15.4	ug/L	715280	3	11.83	2320490	50.0
Indane	12.11	60.6	ug/L	2810980	3	11.83	2320490	50.0
(DEL) Alkane: Cyc...	12.30	35.1	ug/L	1629260	3	11.83	2320490	50.0
3-Methylphenylace...	12.34	88.5	ug/L	4105020	3	11.83	2320490	50.0
Benzene, 2-ethyl-...	12.48	20.8	ug/L	965208	3	11.83	2320490	50.0
Benzene, 2-ethyl-...	12.59	42.0	ug/L	1949250	3	11.83	2320490	50.0
Benzofuran, 7-met...	12.94	43.7	ug/L	2027470	3	11.83	2320490	50.0
Benzene, 1,2,4,5-...	12.99	41.5	ug/L	1923690	3	11.83	2320490	50.0
Benzene, 1,3-diet...	13.05	106.7	ug/L	4953970	3	11.83	2320490	50.0
1H-Indene, 2,3-di...	13.31	24.9	ug/L	1153850	3	11.83	2320490	50.0
1H-Indene, 1-methyl-	13.65	131.4	ug/L	6099850	3	11.83	2320490	50.0
Benzene, 1,3-dime...	13.85	20.8	ug/L	966394	3	11.83	2320490	50.0
2-(2-Hydroxypheny...	14.08	44.3	ug/L	2054130	3	11.83	2320490	50.0
1H-Indene, 1,3-di...	14.69	32.9	ug/L	1527090	3	11.83	2320490	50.0
Naphthalene, 1-me...	15.24	341.6	ug/L	15853200	3	11.83	2320490	50.0
Biphenyl	15.97	113.3	ug/L	5256340	3	11.83	2320490	50.0
Naphthalene, 1,6-...	16.28	258.2	ug/L	11980900	3	11.83	2320490	50.0
Naphthalene, 2,3-...	16.43	250.5	ug/L	11624400	3	11.83	2320490	50.0
Naphthalene, 1,2-...	16.80	39.7	ug/L	1842620	3	11.83	2320490	50.0
Biphenylene	16.90	55.8	ug/L	2588720	3	11.83	2320490	50.0
1,1'-Biphenyl, 4-...	16.99	7.9	ug/L	367169	3	11.83	2320490	50.0