LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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	96	rBV	236210	251860	0.26%	0.087%
2	1.806	129	145	146	rBV10	40706	72077	0.07%	0.025%
3	1.900	168	174	190	rVB	210613	275801	0.28%	0.095%
4	2.584	375	387	403	rBV	390285	641494	0.66%	0.221%
5	3.224	572	586	602	rVV2	17734	44346	0.05%	0.015%
6	3.633	709	713	723	rVB4	1364	1706	0.00%	0.001%
7	3.726	737	742	749	rBV6	1319	1790	0.00%	0.001%
8	4.388	944	948	952	rBV3	1818	1451	0.00%	0.000%
9	4.594	1009	1012	1018	rVB5	1244	1440	0.00%	0.000%
10	4.681	1024	1039	1063	rBV	199918	483407	0.50%	0.167%
11	5.105	1156	1171	1192	rBV2	350269	787404	0.81%	0.271%
12	5.330	1233	1241	1247	rVV7	1950	2656	0.00%	0.001%
13	5.764	1353	1376	1383	rBV2	749143	1947691	2.00%	0.671%
14	5.813	1385	1391	1409	rVB	947749	1760192	1.81%	0.606%
15	6.057	1457	1467	1483	rVB4	20014	42978	0.04%	0.015%
16	6.166	1490	1501	1512	rBV4	12983	23897	0.02%	0.008%
17	6.285	1522	1538	1556	rBV	680388	1276687	1.31%	0.440%
18	6.562	1612	1624	1636	rBV4	20748	39731	0.04%	0.014%
19	6.729	1660	1676	1691	rBV	463907	901149	0.93%	0.310%
20	7.009	1756	1763	1772	rVB9	4244	7465	0.01%	0.003%
21	7.186	1812	1818	1820	rBV3	1985	2124	0.00%	0.001%
22	7.218	1821	1828	1838	rVB8	6789	11635	0.01%	0.004%
23	7.427	1886	1893	1902	rBV7	4178	8603	0.01%	0.003%
24	7.526	1916	1924	1932	rBV4	10134	16313	0.02%	0.006%
25	7.597	1934	1946	1966	rVB	291172	498745	0.51%	0.172%
26	7.687	1968	1974	1978	rBV7	3370	4580	0.00%	0.002%
27	7.790	1997	2006	2015	rBV3	12276	19458	0.02%	0.007%
28	7.880	2027	2034	2035	rBV4	6957	6413	0.01%	0.002%
29	7.928	2037	2049	2059	rVV	983941	1660512	1.71%	0.572%
30	7.999	2059	2071	2086	rVB	5181117	8674139	8.92%	2.988%
31	8.134	2104	2113	2115	rBV2	69948	101796	0.10%	0.035%
32	8.208	2128	2136	2151	rVB	206630	342116	0.35%	0.118%
33	8.301	2156	2165	2180	rVB	67896	116857	0.12%	0.040%
34	8.395	2184	2194	2201	rBV7	5784	10862	0.01%	0.004%

LSC Area Percent Report

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Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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	8.436	2203	2207	2219	rVB7	5514	8245	0.01%	0.003%
36	8.581	2242	2252	2257	rBV9	2472	3838	0.00%	0.001%
37	8.671	2262	2280	2297	rBV	750823	1303735	1.34%	0.449%
38	8.893	2340	2349	2358	rBV2	13585	23548	0.02%	0.008%
39	8.951	2359	2367	2386	rVB4	12754	25469	0.03%	0.009%
40	9.079	2401	2407	2421	rVB8	14873	29046	0.03%	0.010%
41	9.147	2421	2428	2437	rBV4	8885	13606	0.01%	0.005%
42	9.237	2449	2456	2465	rVB3	26856	40813	0.04%	0.014%
43	9.356	2485	2493	2507	rVB3	42691	73128	0.08%	0.025%
44	9.446	2507	2521	2546	rBV	1017257	1723196	1.77%	0.594%
45	9.597	2556	2568	2582	rBV	703992	1133664	1.17%	0.391%
46	9.719	2590	2606	2616	rBV	7276089	12175722	12.52%	4.195%
47	9.886	2647	2658	2678	rVV2	141557	255164	0.26%	0.088%
48	10.041	2696	2706	2708	rBV7	21369	29384	0.03%	0.010%
49	10.079	2711	2718	2722	rVV	95601	150806	0.16%	0.052%
50	10.128	2722	2733	2760	rVB2	3071045	5370627	5.52%	1.850%
51	10.272	2769	2778	2795	rBV6	58409	112112	0.12%	0.039%
52	10.362	2799	2806	2808	rBV2	37735	47404	0.05%	0.016%
53	10.507	2841	2851	2860	rBV	65151	113104	0.12%	0.039%
54	10.716	2912	2916	2924	rVB8	10456	12095	0.01%	0.004%
55	10.783	2925	2937	2949	rBV	751430	1244116	1.28%	0.429%
56	10.928	2974	2982	2991	rBV	105478	149093	0.15%	0.051%
57	11.021	3000	3011	3025	rBV	1244608	2758305	2.84%	0.950%
58	11.111	3031	3039	3066	rVB2	2060032	4241348	4.36%	1.461%
59	11.230	3069	3076	3084	rVB3	55207	83740	0.09%	0.029%
60	11.336	3093	3109	3120	rBV3	550440	1363803	1.40%	0.470%
61	11.436	3133	3140	3145	rBV2	82622	105815	0.11%	0.036%
62	11.491	3145	3157	3169	rVV	4939079	7515892	7.73%	2.589%
63	11.558	3170	3178	3186	rVV	282396	396337	0.41%	0.137%
64	11.610	3187	3194	3203	rVB	78475	121843	0.13%	0.042%
65	11.755	3225	3239	3251	rBV	3406256	5672322	5.83%	1.954%
66	11.835	3251	3264	3276	rVV	1189137	2111885	2.17%	0.728%
67	11.915	3278	3289	3299	rVV	1536453	2469884	2.54%	0.851%
68	11.967	3299	3305	3315	rVB2	314682	460398	0.47%	0.159%
69	12.115	3341	3351	3370	rBV3	854241	1599639	1.64%	0.551%
70	12.214	3371	3382	3396	rVB3	1660481	2847486	2.93%	0.981%
71	12.336	3400	3420	3433	rBV	11691967	19484561	20.03%	6.713%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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	12.484	3459	3466	3470	rBV	232460	319576	0.33%	0.110%
73	12.562	3484	3490	3493	rBV2	156076	199742	0.21%	0.069%
74	12.944	3600	3609	3617	rBV	1199340	1848177	1.90%	0.637%
75	12.992	3618	3624	3630	rVB	409458	525044	0.54%	0.181%
76	13.047	3631	3641	3652	rBV	3406044	6142256	6.32%	2.116%
77	13.311	3716	3723	3734	rVB	355296	537168	0.55%	0.185%
78	13.465	3759	3771	3783	rVV5	958115	2368705	2.44%	0.816%
79	13.539	3784	3794	3808	rVB	2307915	3593749	3.70%	1.238%
80	13.645	3818	3827	3840	rVB	2527300	4126827	4.24%	1.422%
81	13.854	3886	3892	3908	rBV4	182865	324326	0.33%	0.112%
82	14.115	3955	3973	3987	rVB2	54647222	97254257	100.00%	33.507%
83	14.227	3999	4008	4024	rVB	2958677	5274525	5.42%	1.817%
84	14.301	4026	4031	4041	rVB2	342143	509145	0.52%	0.175%
85	14.690	4144	4152	4161	rBV3	310901	583929	0.60%	0.201%
86	15.243	4312	4324	4349	rVB	18357646	30030388	30.88%	10.346%
87	15.356	4350	4359	4368	rVV	472077	791126	0.81%	0.273%
88	15.426	4369	4381	4404	rVB	9550945	15848663	16.30%	5.460%
89	15.967	4540	4549	4560	rVB	1572980	2421531	2.49%	0.834%
90	16.159	4604	4609	4616	rVB	503775	636153	0.65%	0.219%
91	16.275	4634	4645	4668	rVB	3136296	5725156	5.89%	1.972%
92	16.423	4681	4691	4698	rBV	3364948	5456649	5.61%	1.880%
93	16.462	4698	4703	4718	rVB	2248811	3264772	3.36%	1.125%
94	16.651	4745	4762	4783	rVB	1035650	2596508	2.67%	0.895%
95	16.799	4799	4808	4826	rVB	572457	946723	0.97%	0.326%
96	16.896	4827	4838	4850	rBV2	1260202	2034786	2.09%	0.701%
97	17.111	4898	4905	4919	rVB3	444868	831950	0.86%	0.287%
98	17.391	4986	4992	4993	rBV	174633	165887	0.17%	0.057%
99	17.552	5036	5042	5053	rVB2	221614	349965	0.36%	0.121%
100	17.616	5055	5062	5071	rVV2	149378	234728	0.24%	0.081%

Sum of corrected areas: 290252959

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
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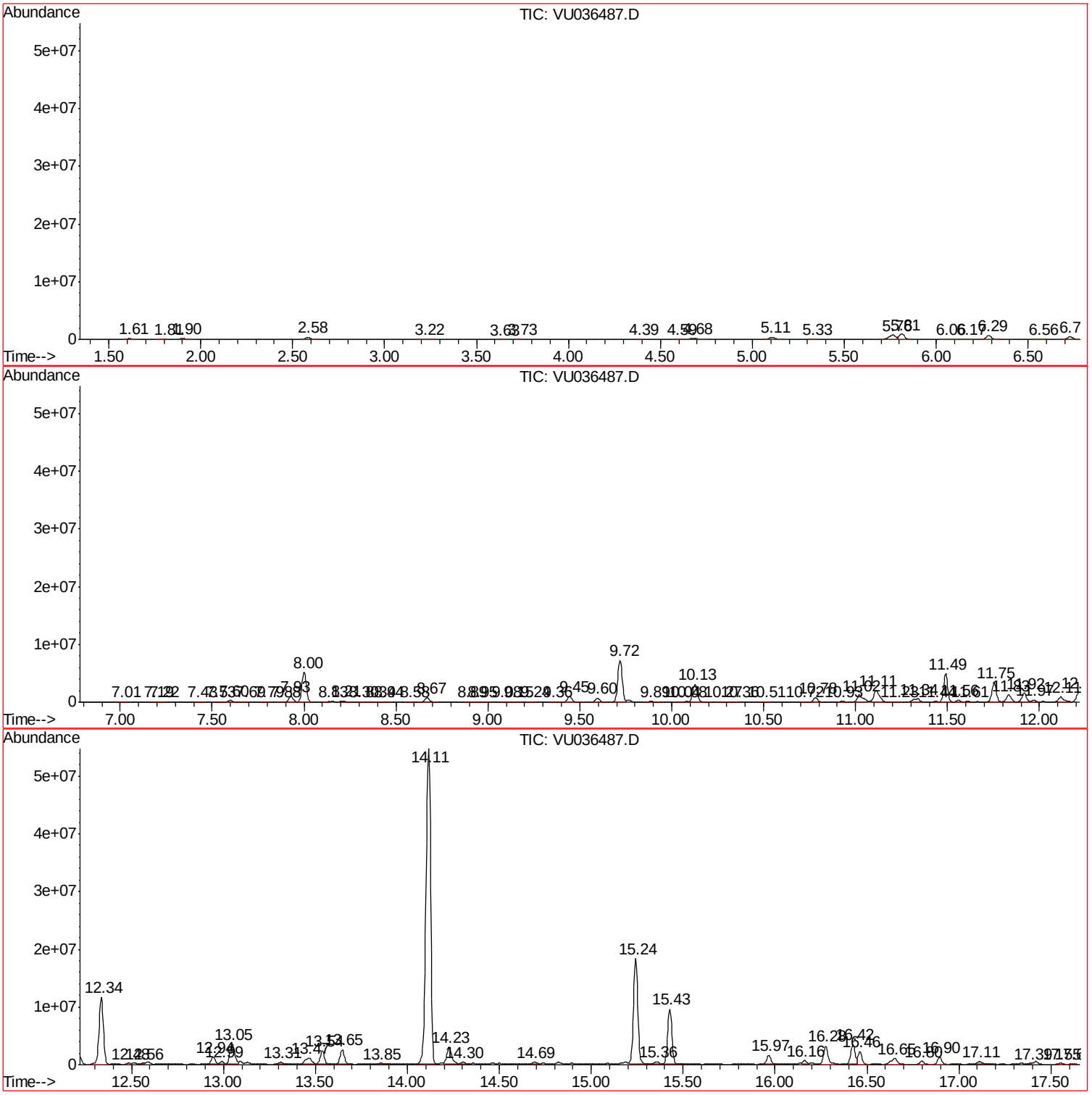
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

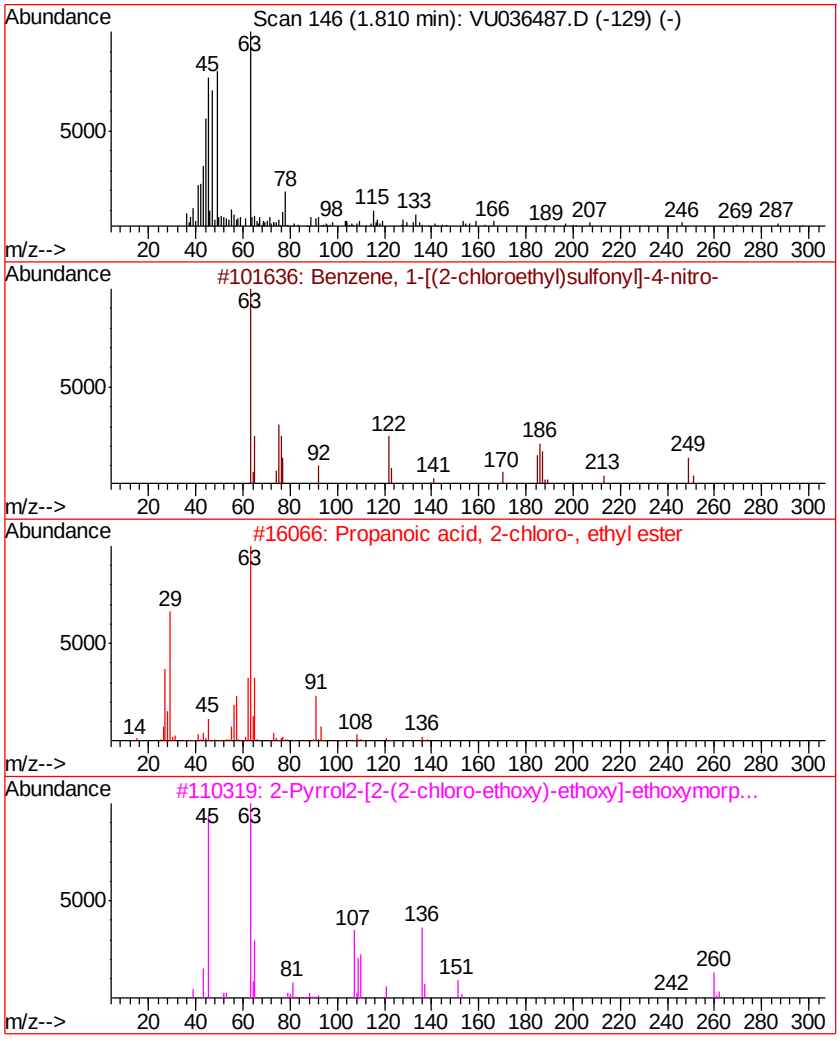
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

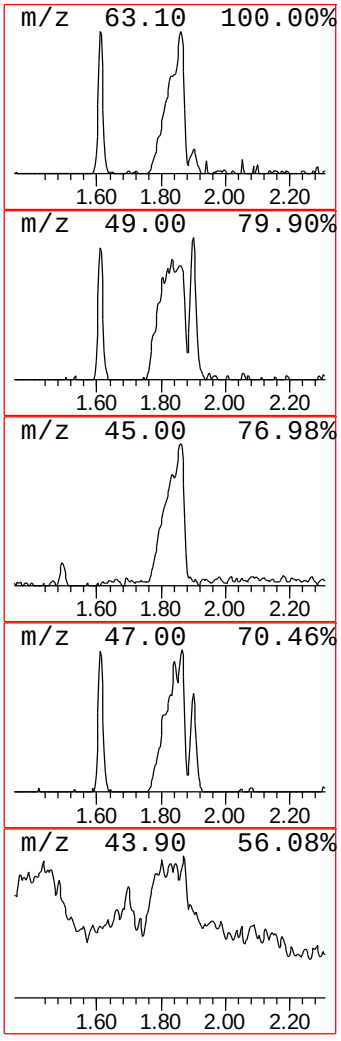
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-[(2-chloroethyl)... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	2.82 ug/L	72077	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-[(2-chloroethyl)sulfo...	249	C8H8ClNO4S	006461-63-8	64
2	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	22
3	2-Pyrrol2-[2-(2-chloro-ethoxy)-e...	260	C12H17ClO4	1000317-43-5	17
4	Carbonic acid, 2-chloroethyl 2,2...	254	C5H6Cl4O3	1000331-44-4	12
5	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	12





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

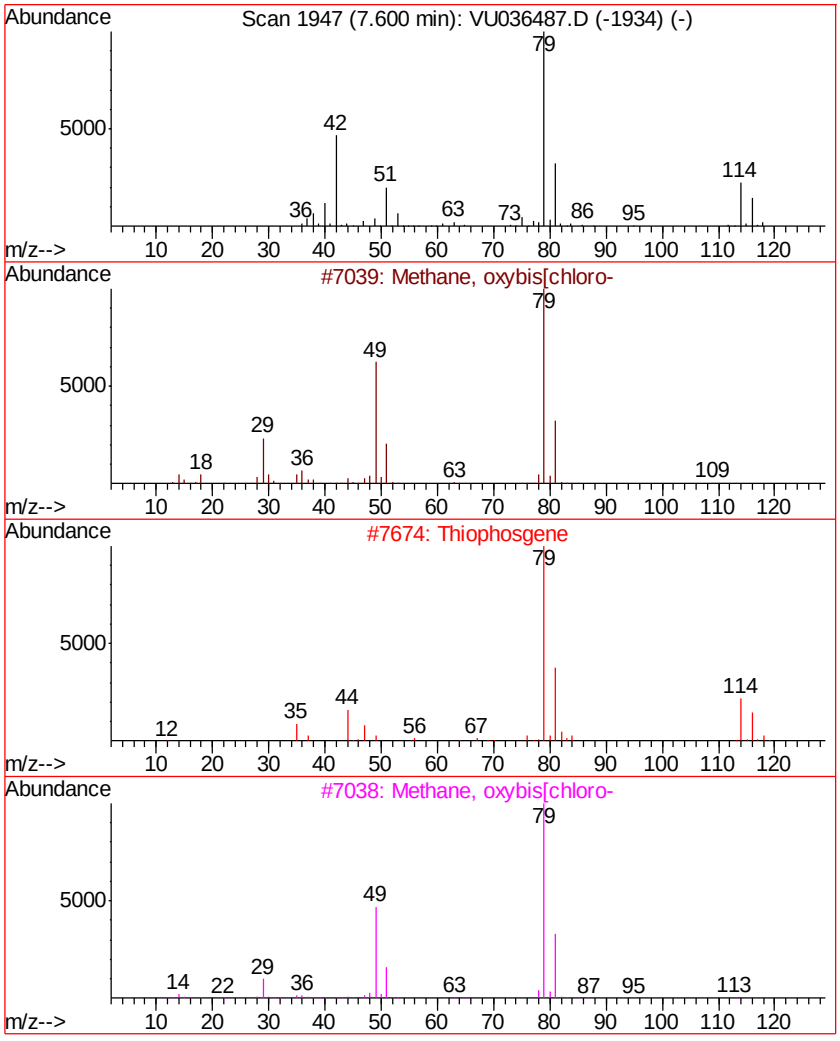
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

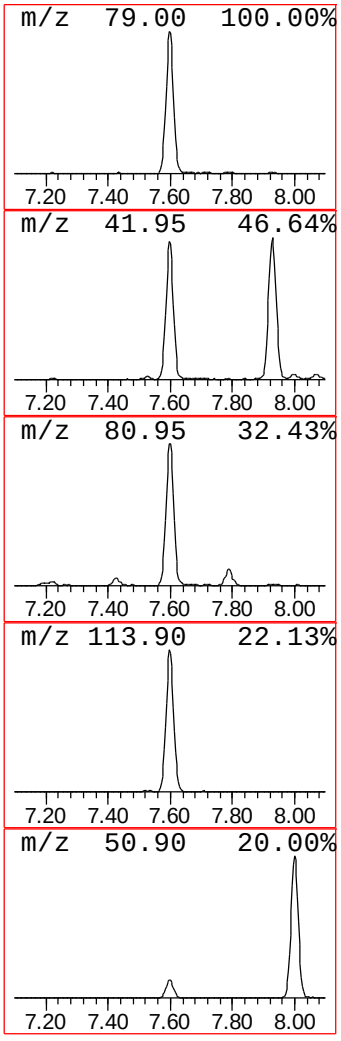
****

Peak Number 2 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	19.53 ug/L	498745	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
2	Thiophosgene	114	CCl2S	000463-71-8	38
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
5	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
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Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

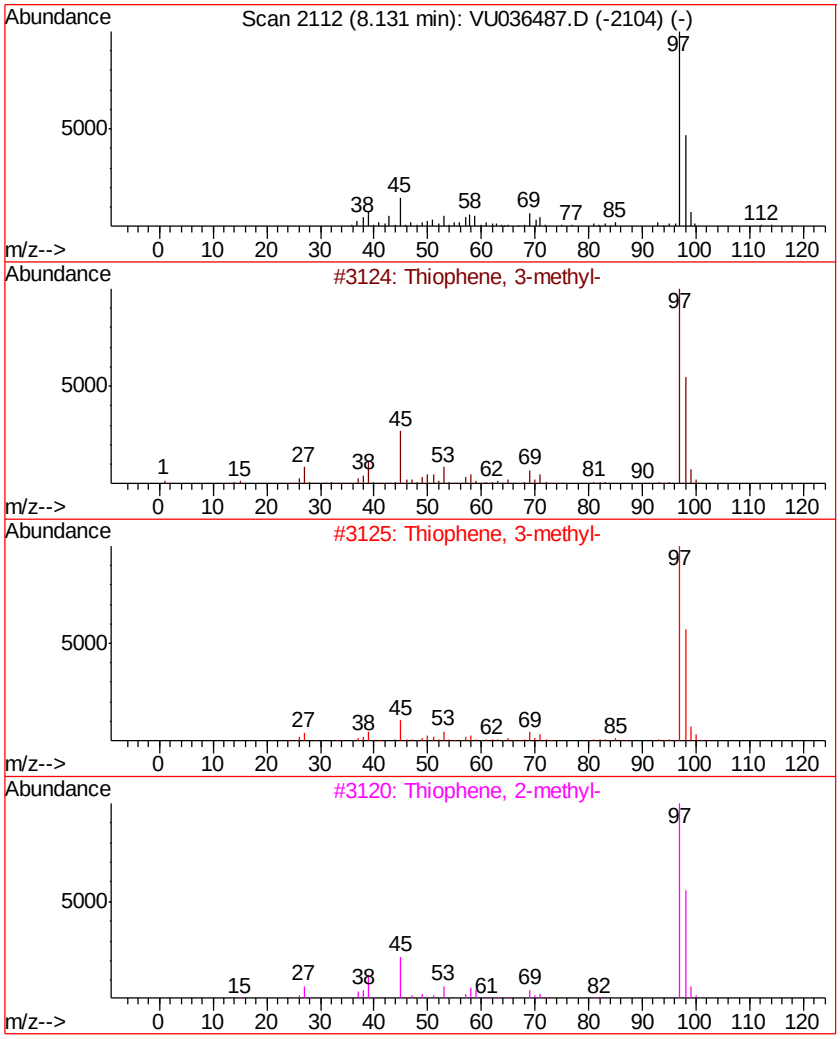
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

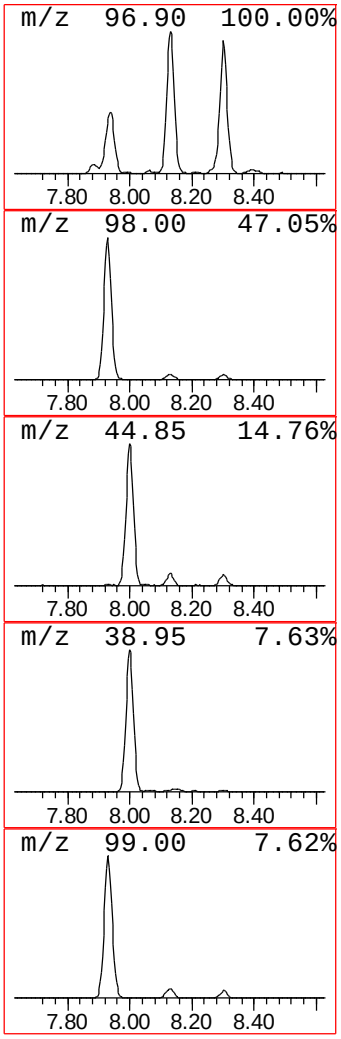
****

Peak Number 3 Thiophene, 3-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	2.95 ug/L	101796	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	87
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	70
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	70
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

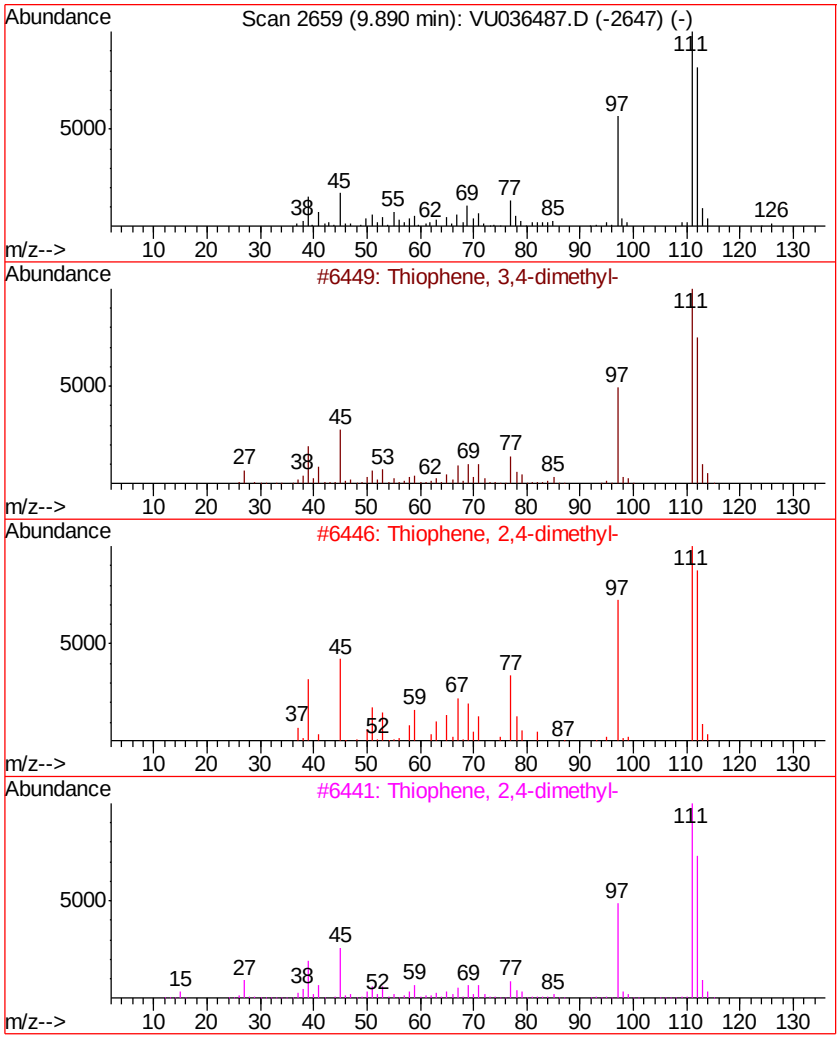
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

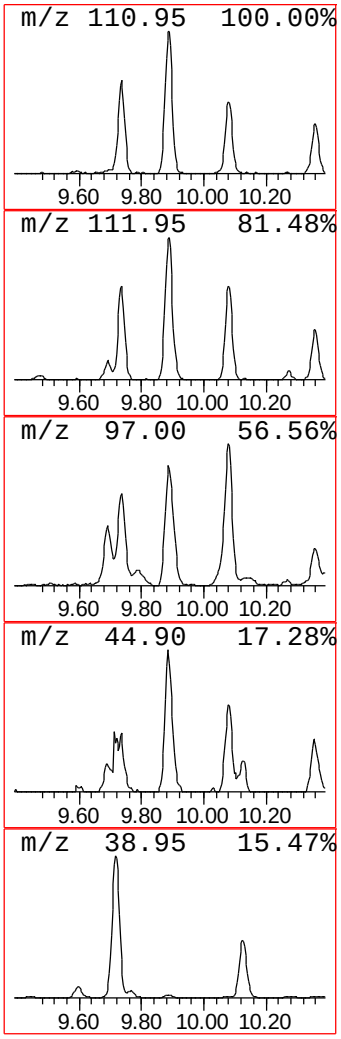
****

Peak Number 5 Thiophene, 3,4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	7.40 ug/L	255164	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	94
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	91
3	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	90
4	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	90
5	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	90





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
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Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

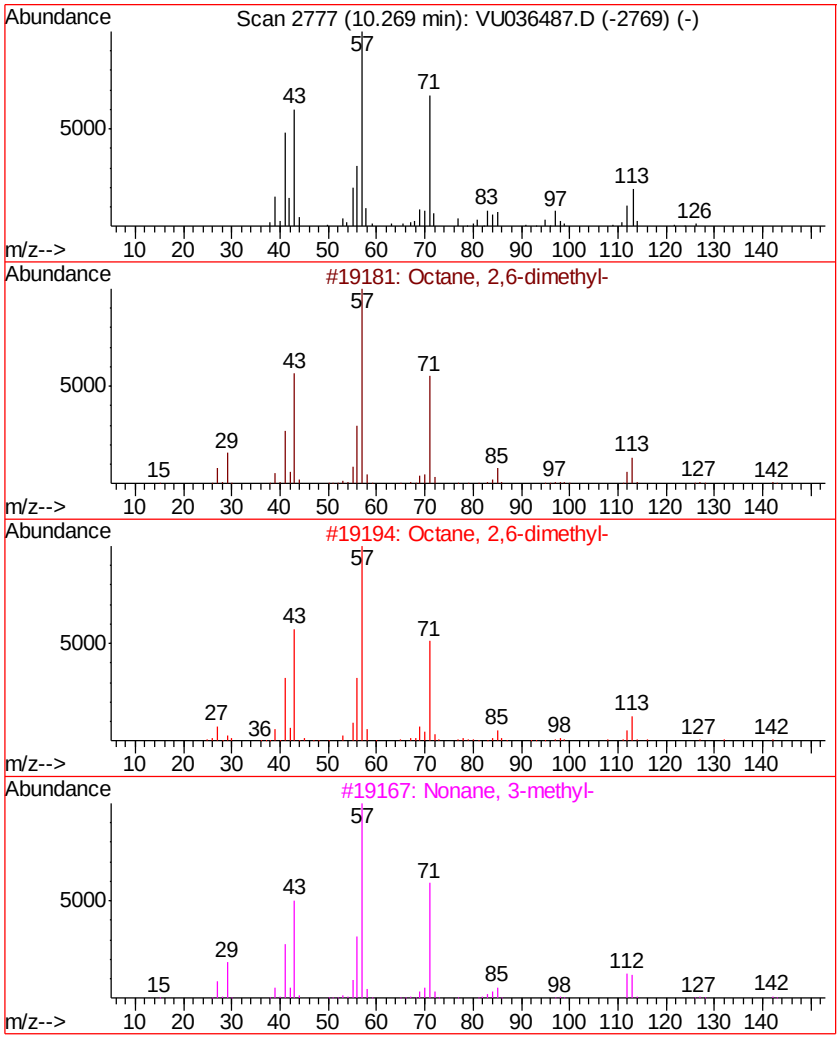
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

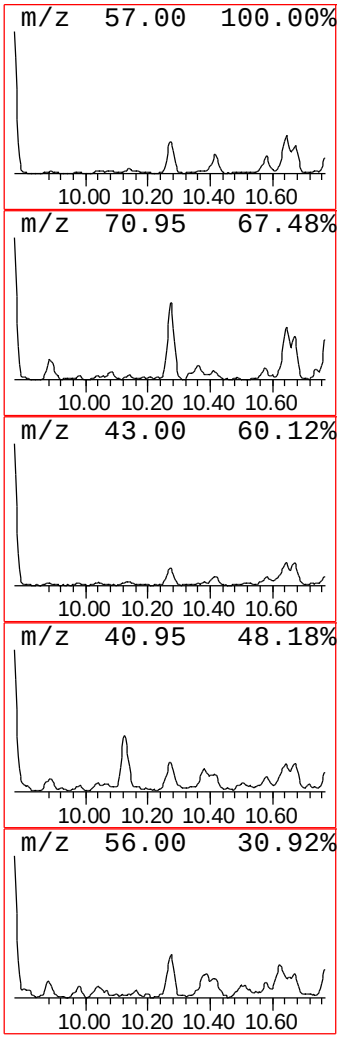
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	3.25 ug/L	112112	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, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	72





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

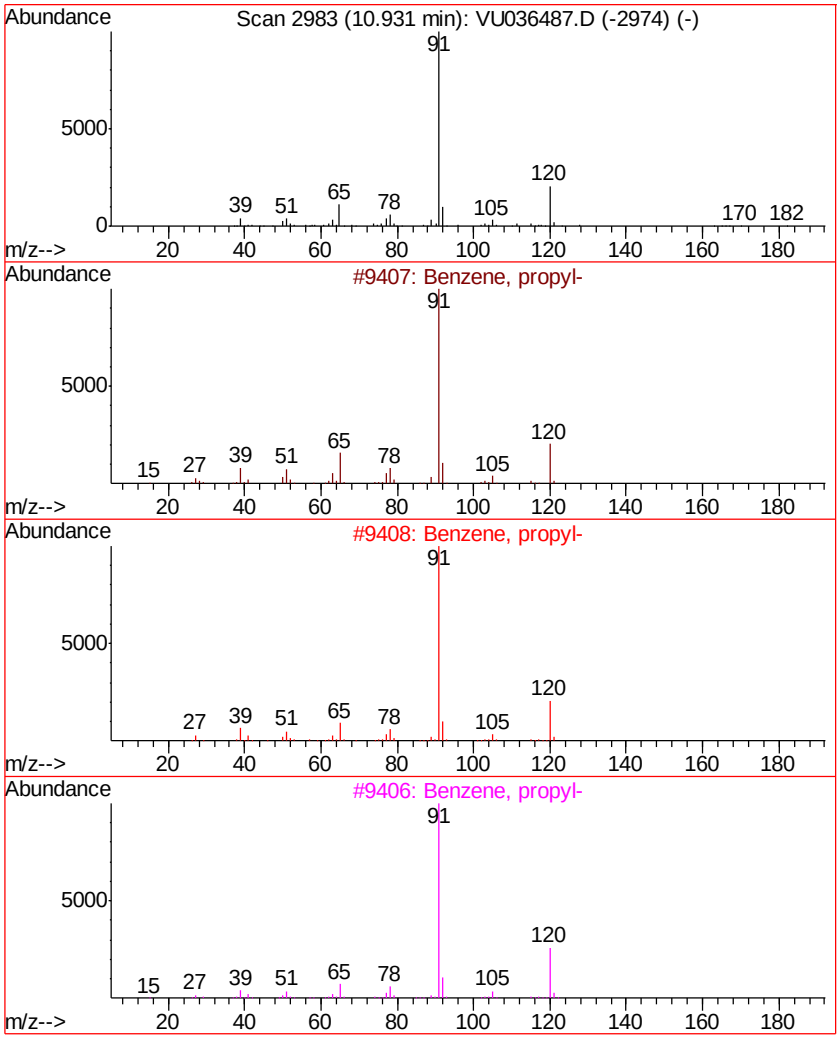
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

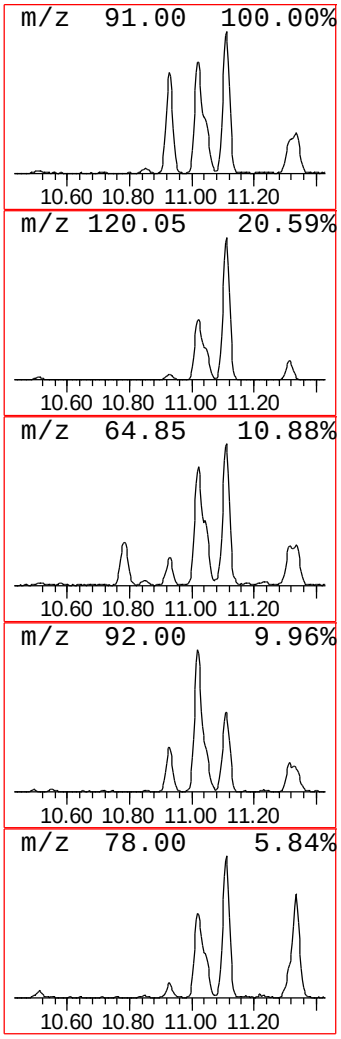
****

Peak Number 7 Benzene, propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	3.53 ug/L	149093	1,4-Dichlorobenzene-d4	11.83

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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

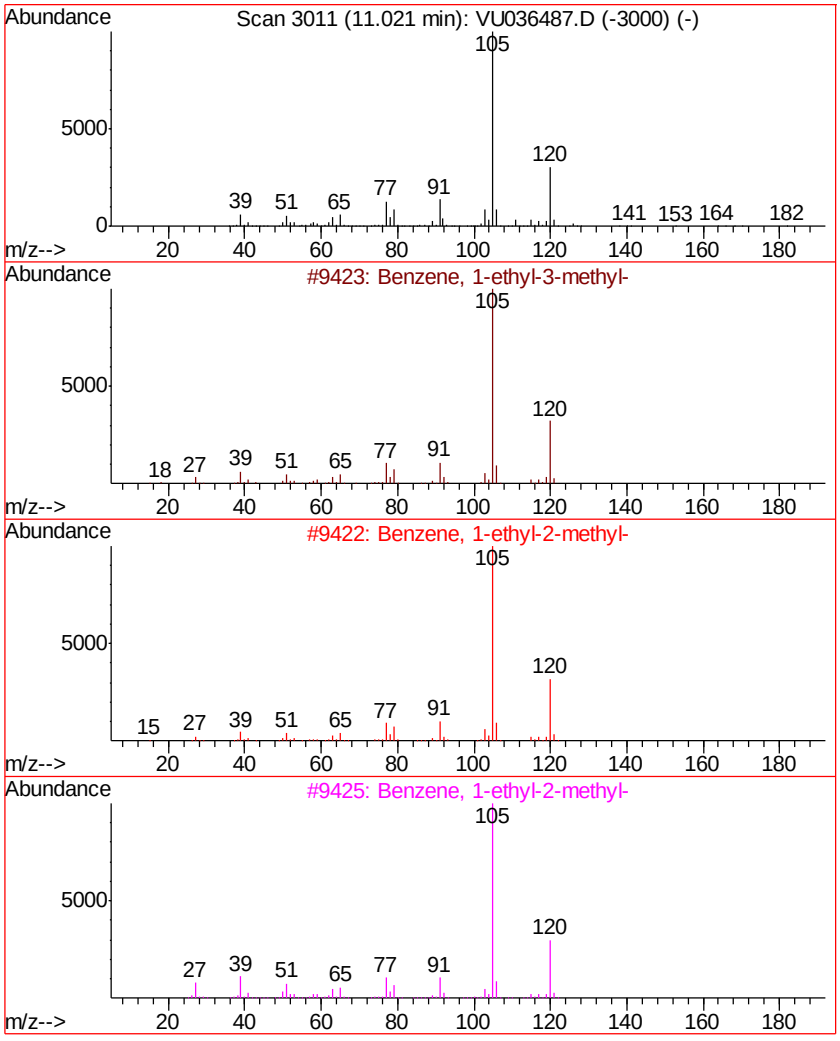
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

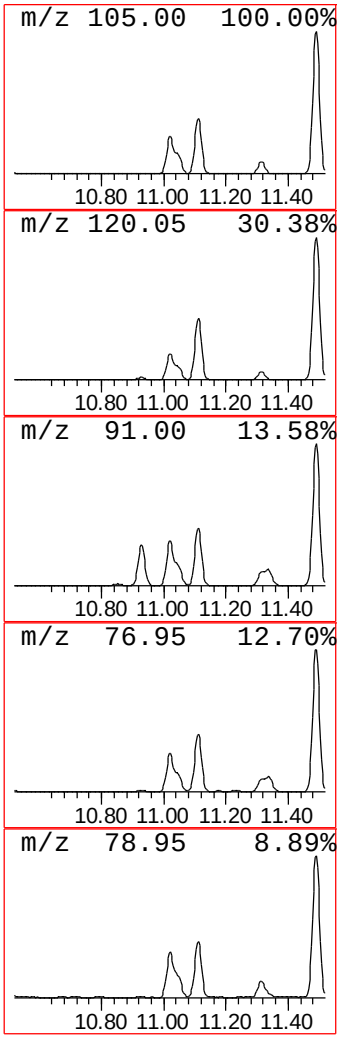
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	65.30 ug/L	2758310	1,4-Dichlorobenzene-d4	11.83

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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

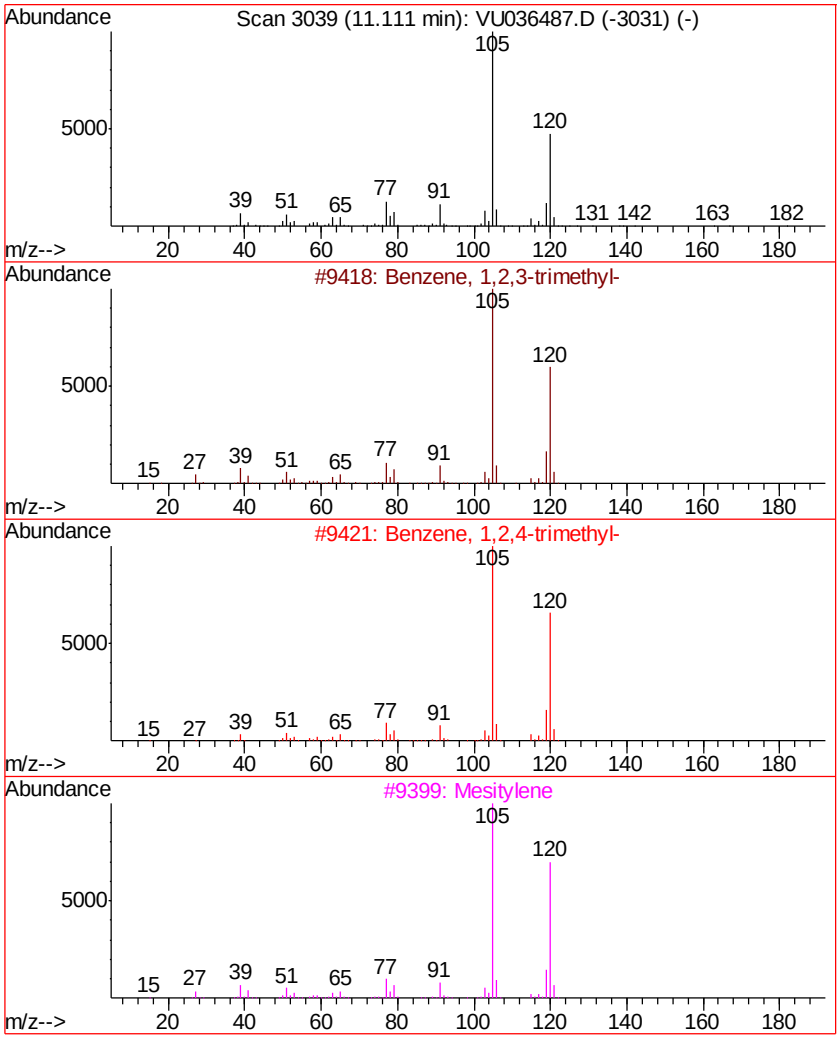
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

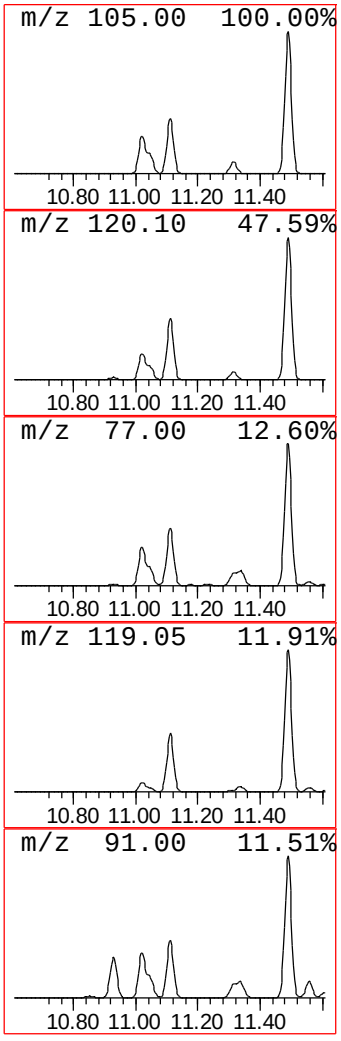
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	100.42 ug/L	4241350	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

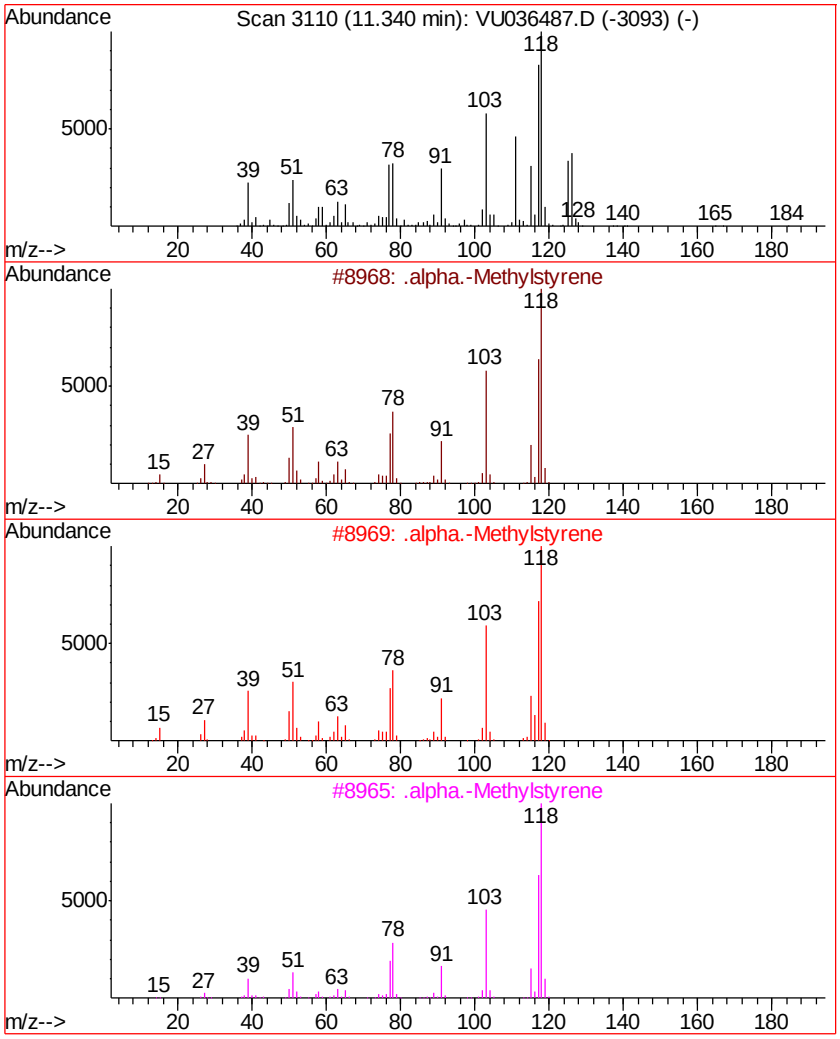
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

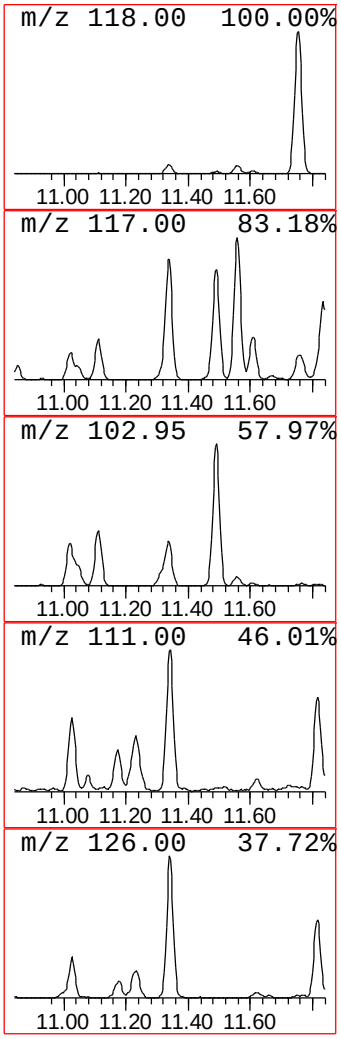
****

Peak Number 10 .alpha.-Methylstyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	32.29 ug/L	1363800	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	95
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	92
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	89
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

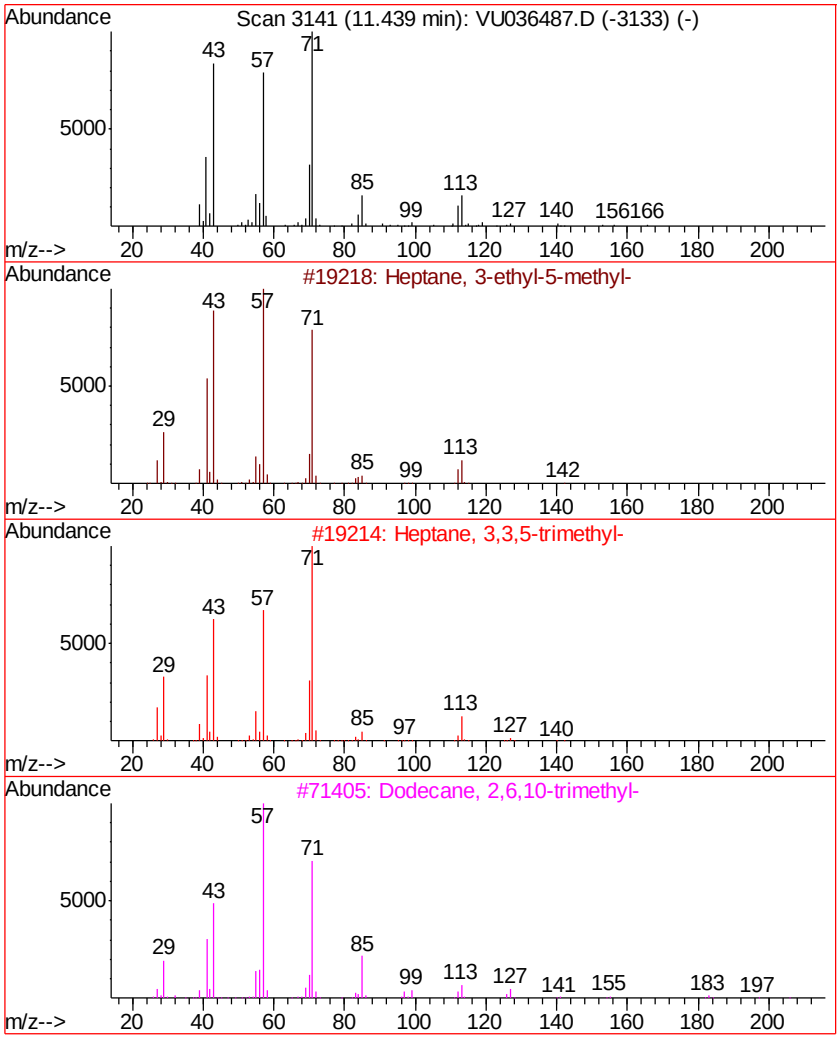
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

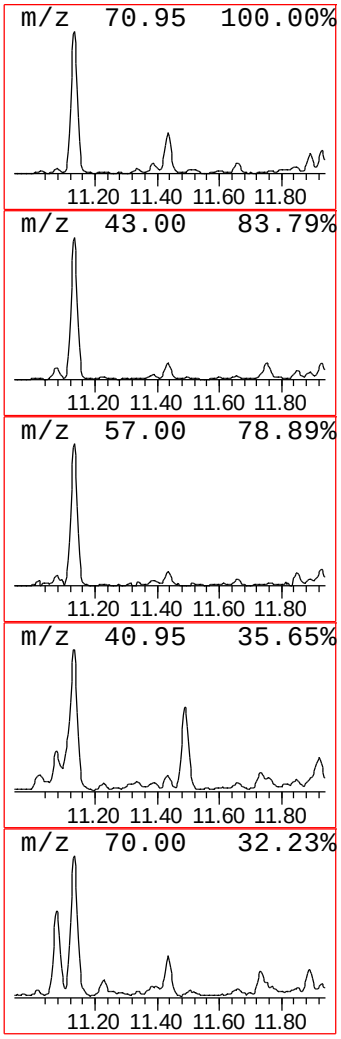
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	2.51 ug/L	105815	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	83
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	64
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	58





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

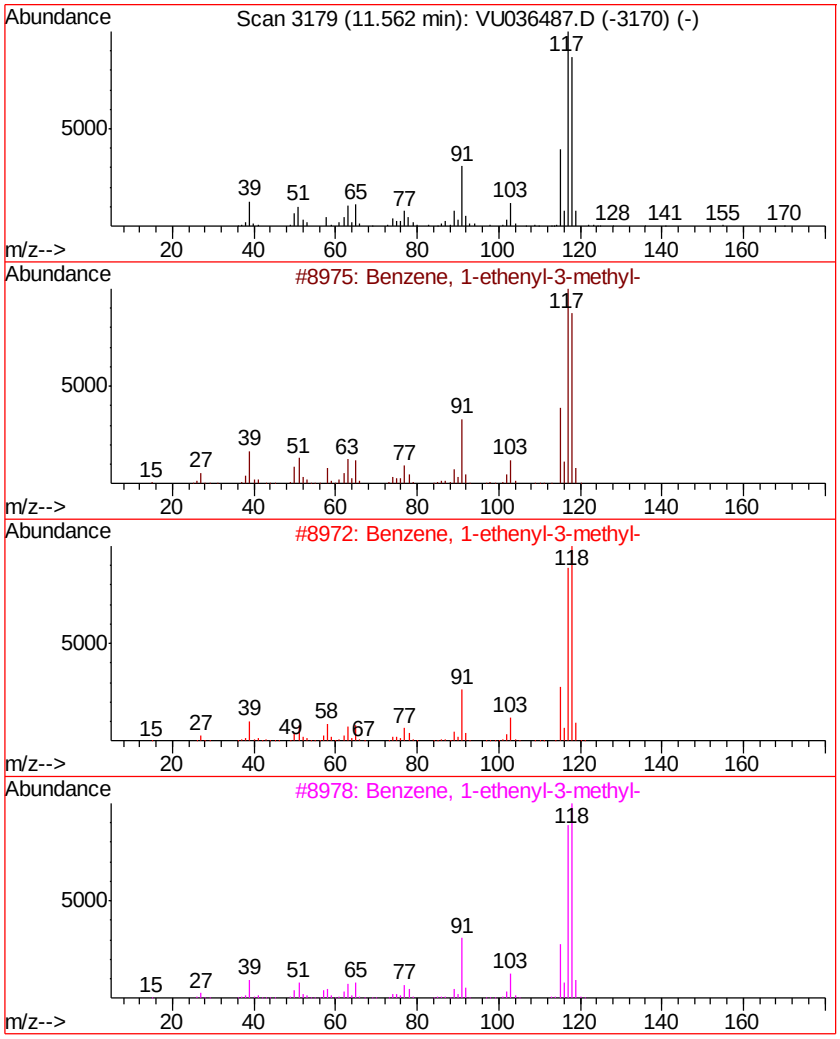
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

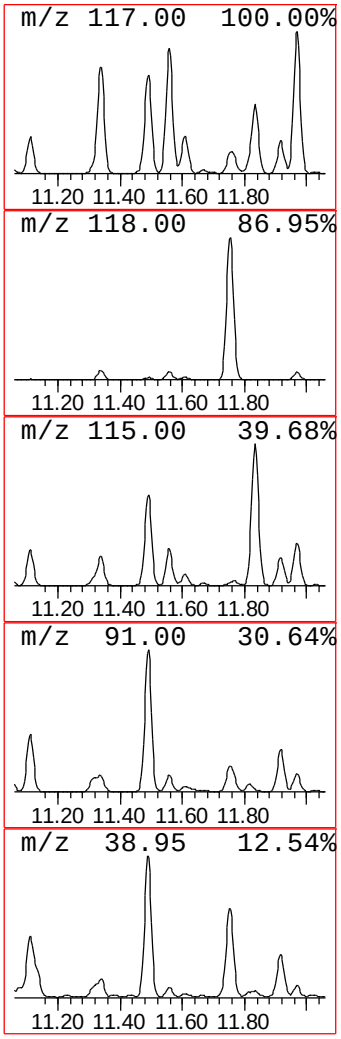
****

Peak Number 13 Benzene, 1-ethenyl-3-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	9.38 ug/L	396337	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, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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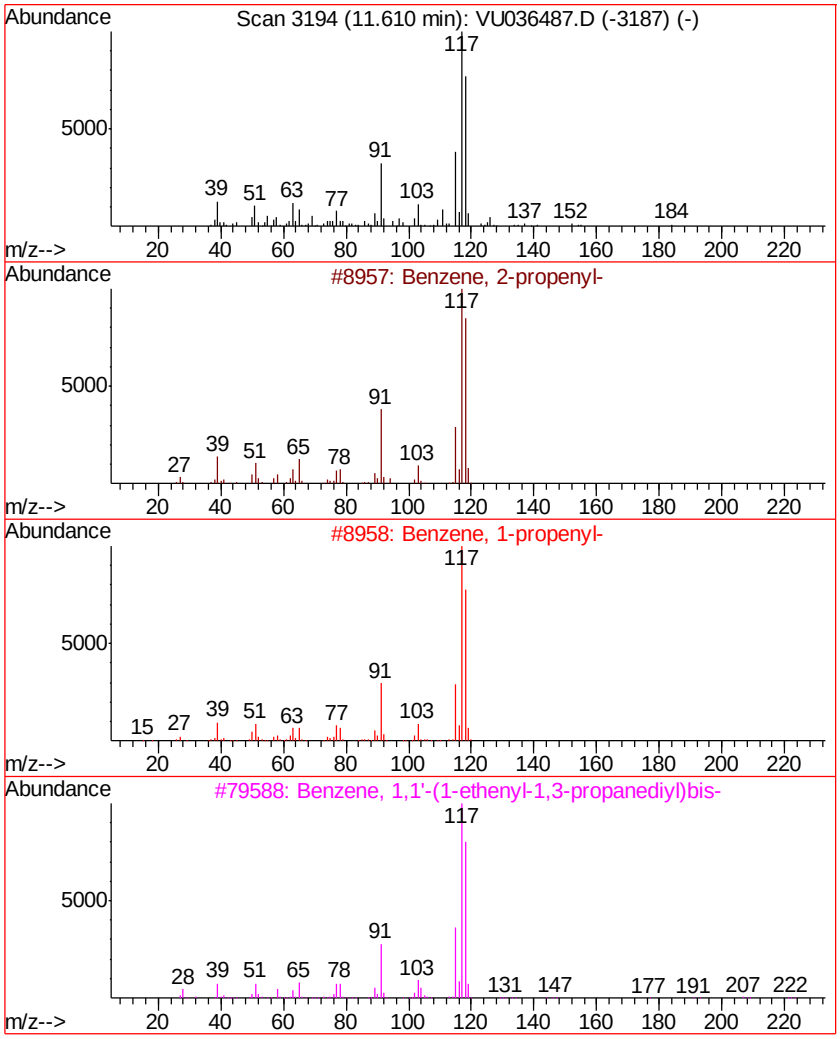
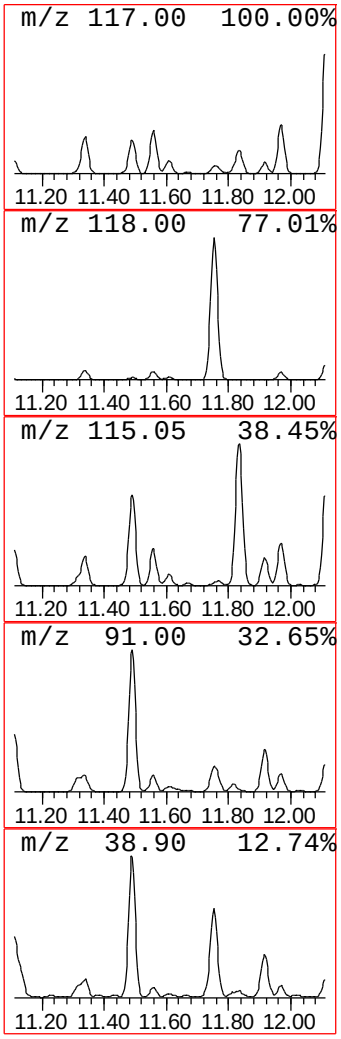
Peak Number 14 Benzene, 2-propenyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	2.88 ug/L	121843	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
3	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	89
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	89





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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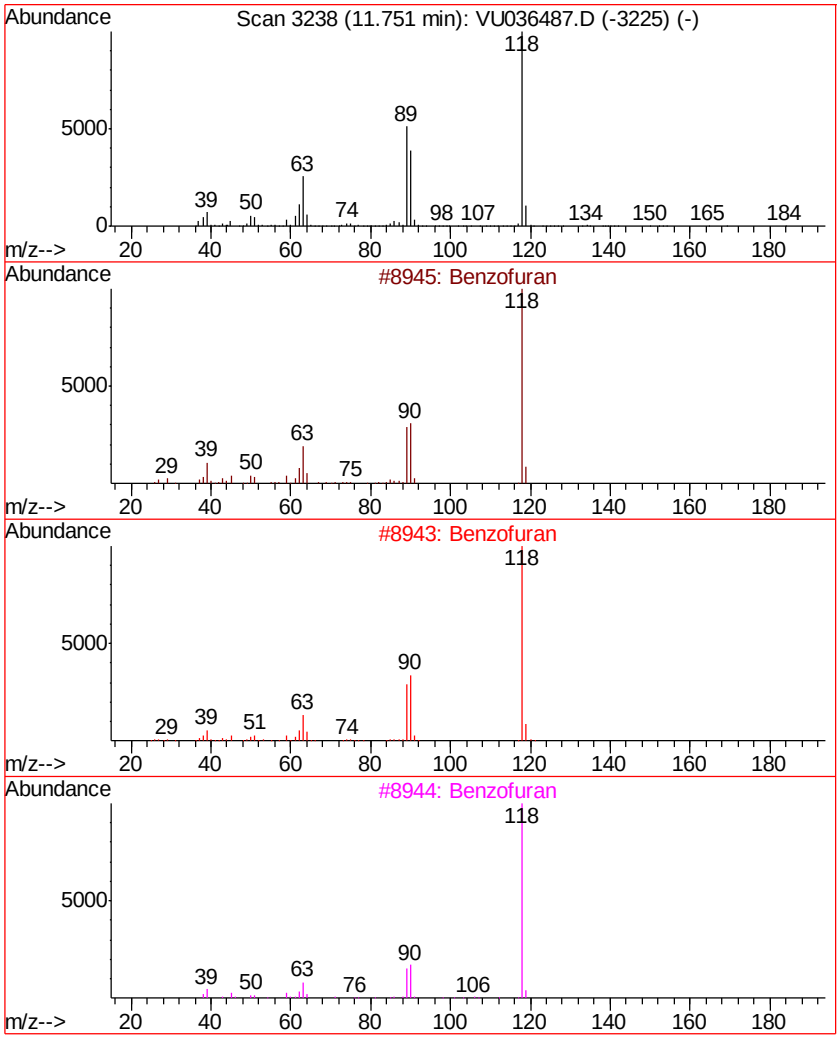
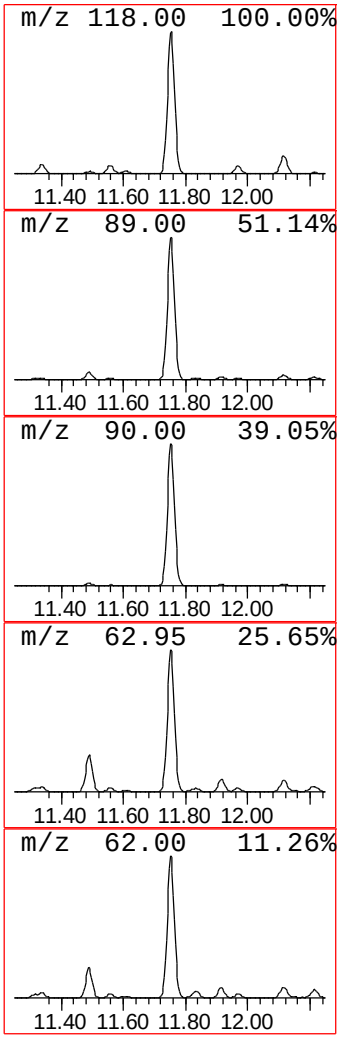
Peak Number 15 Benzofuran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	134.30 ug/L	5672320	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	Benzofuran	118	C8H6O	000271-89-6	87
3	Benzofuran	118	C8H6O	000271-89-6	87
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	83
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

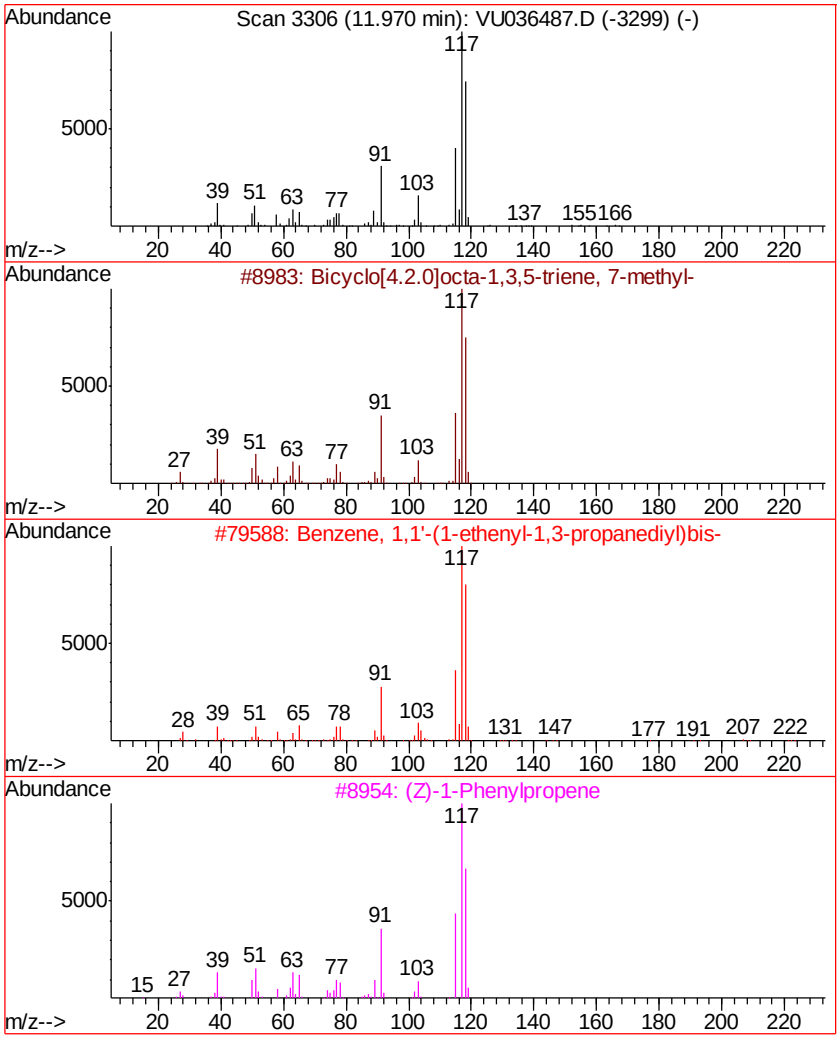
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

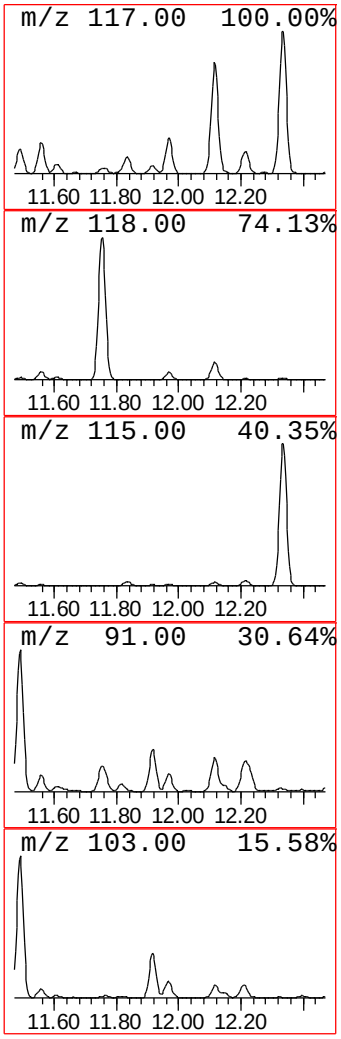
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	10.90 ug/L	460398	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	90
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	86
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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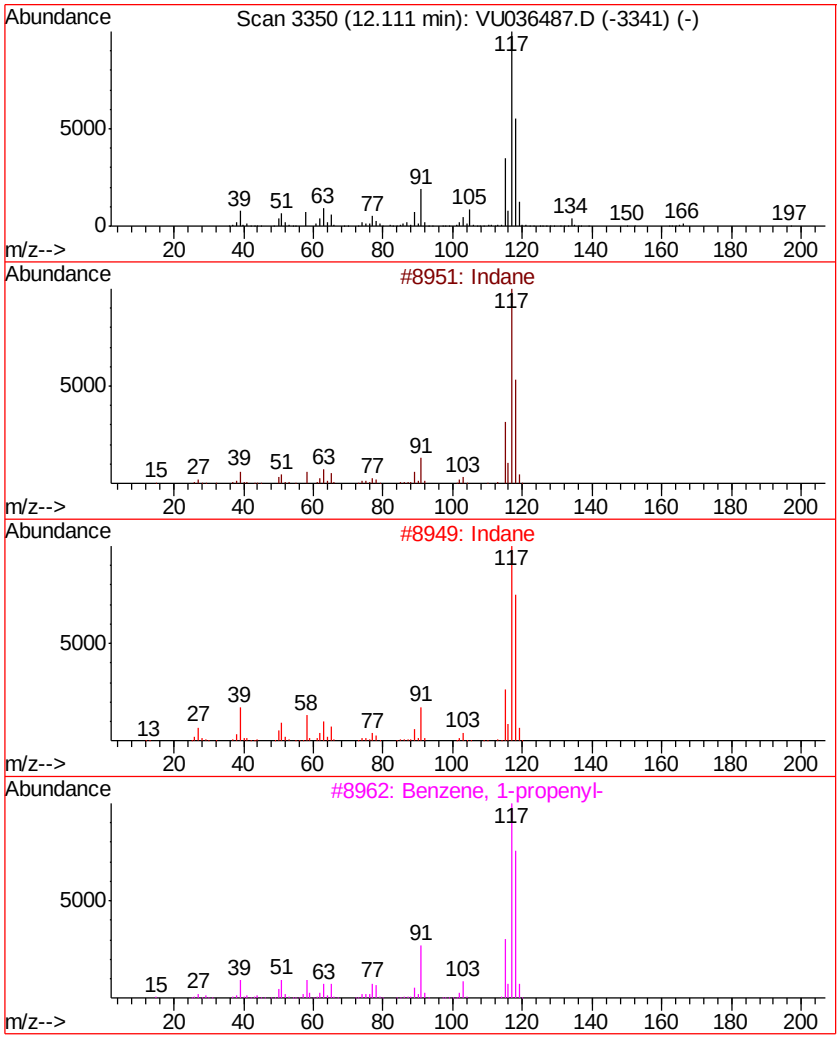
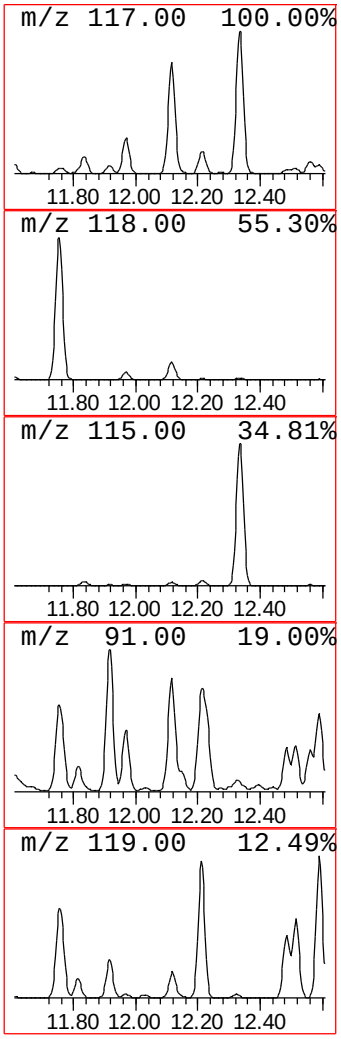
Peak Number 18 Indane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	37.87 ug/L	1599640	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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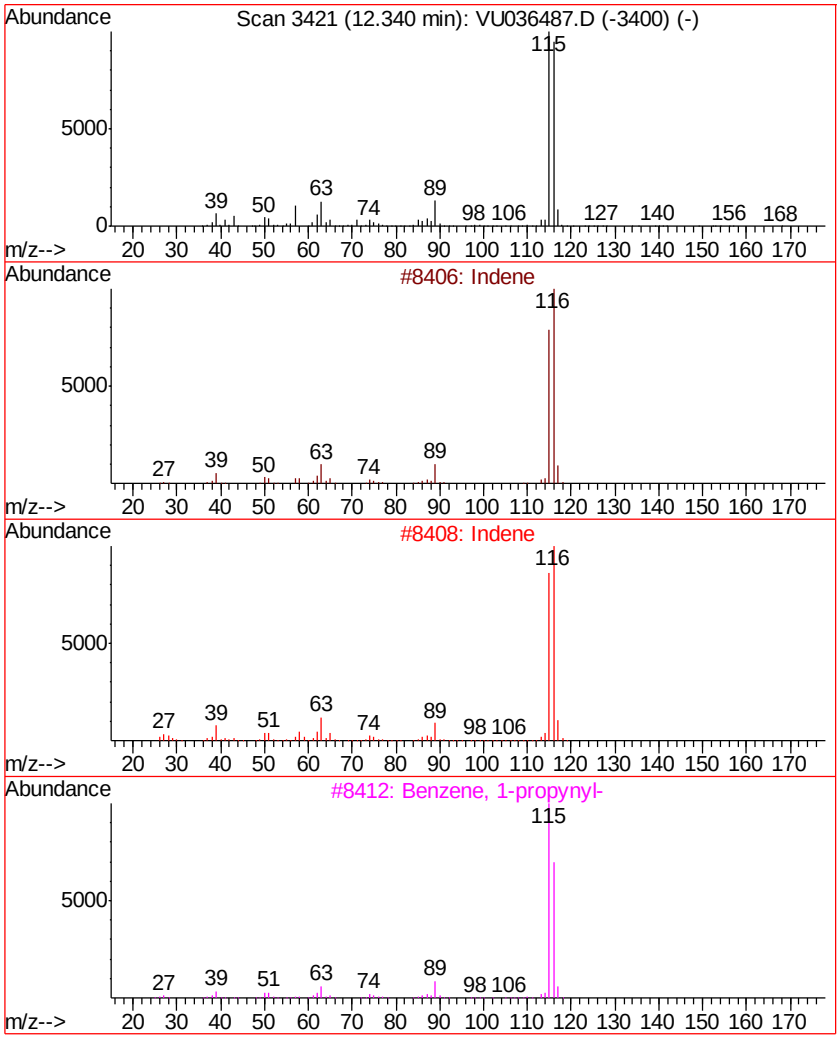
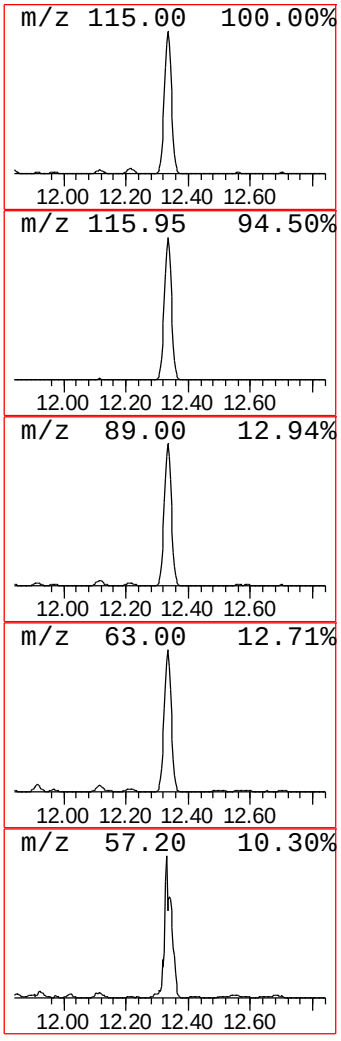
Peak Number 19 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	461.31 ug/L	19484600	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

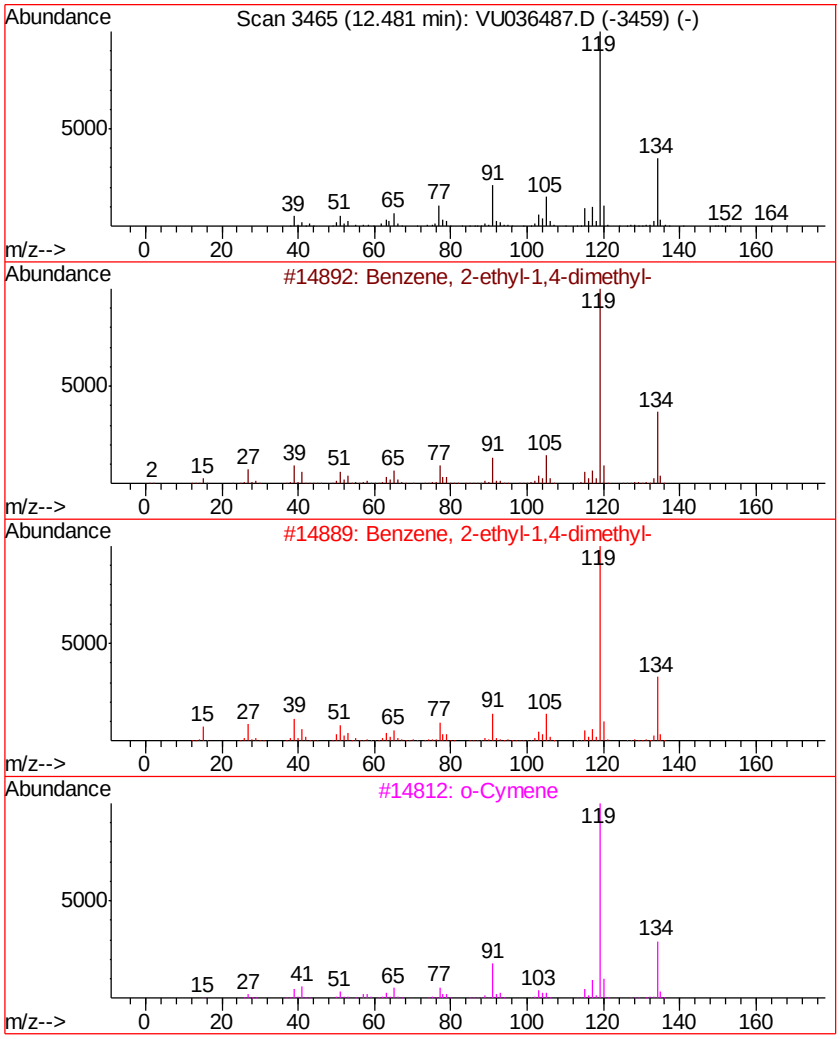
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

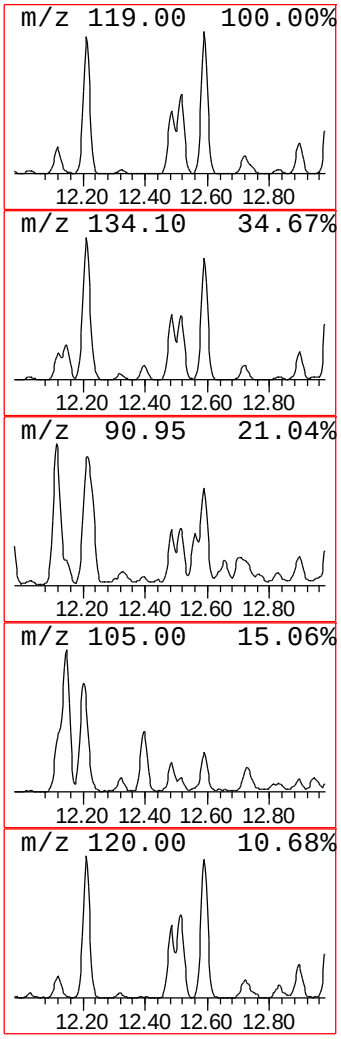
****

Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	7.57 ug/L	319576	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	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

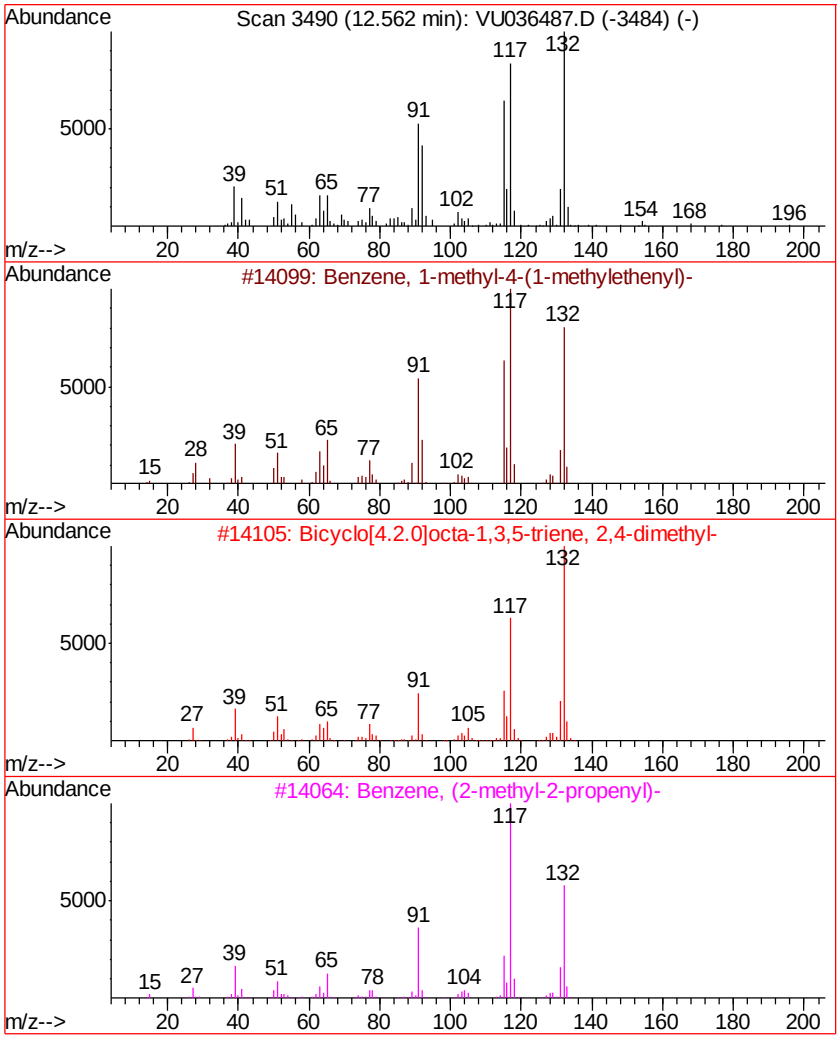
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

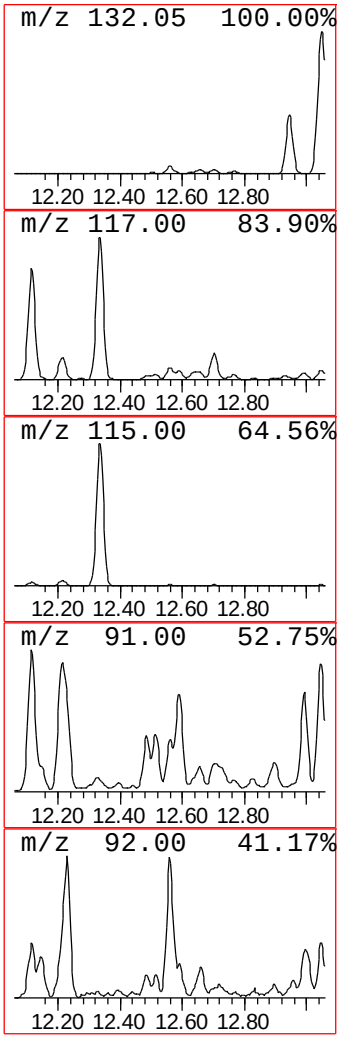
****

Peak Number 21 Benzene, 1-methyl-4-(1-meth... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.73 ug/L	199742	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	93
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	93
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	76
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	76





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

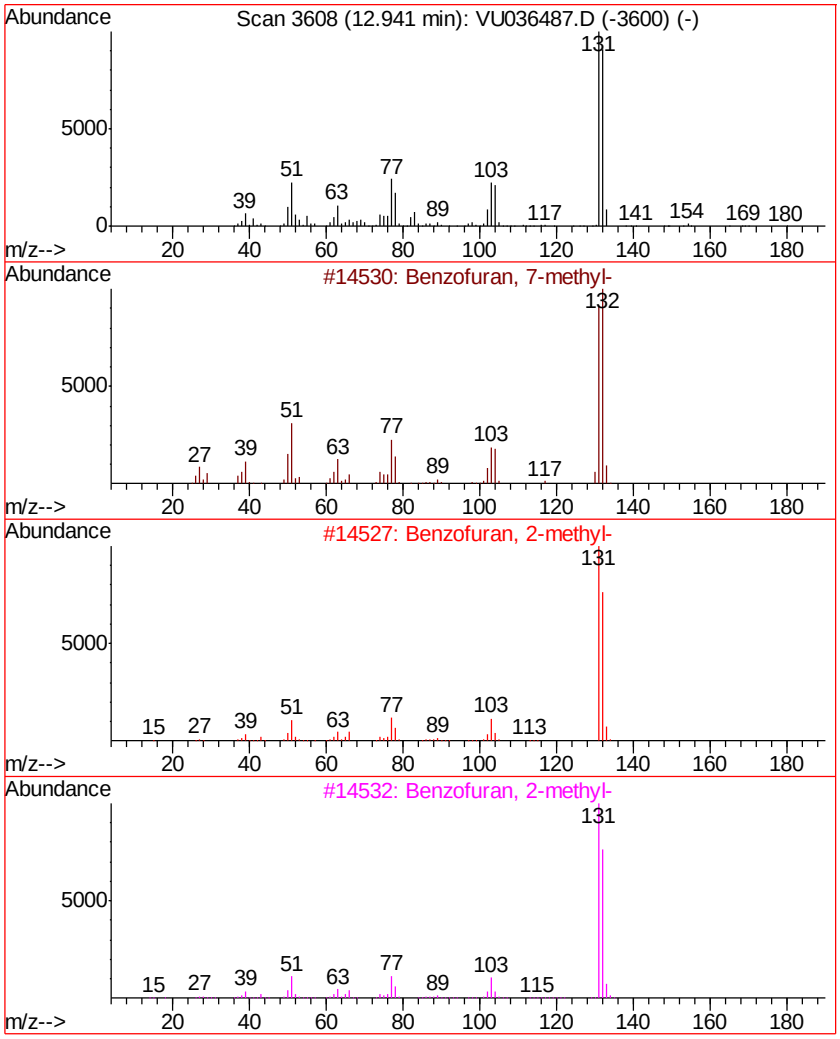
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

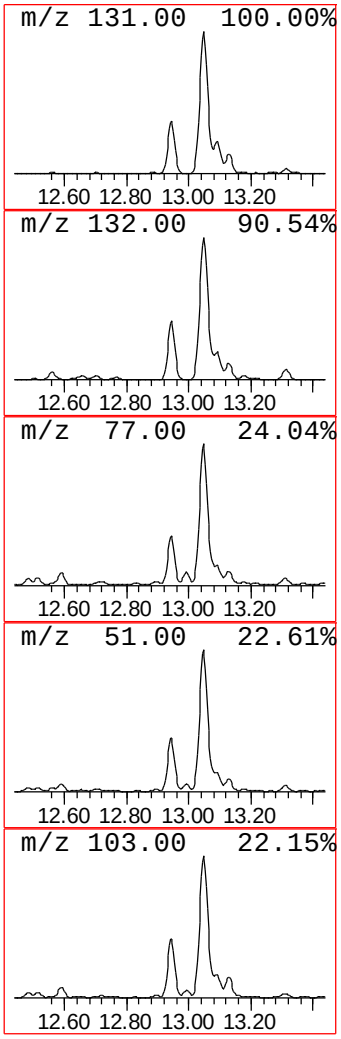
****

Peak Number 22 Benzofuran, 7-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	43.76 ug/L	1848180	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

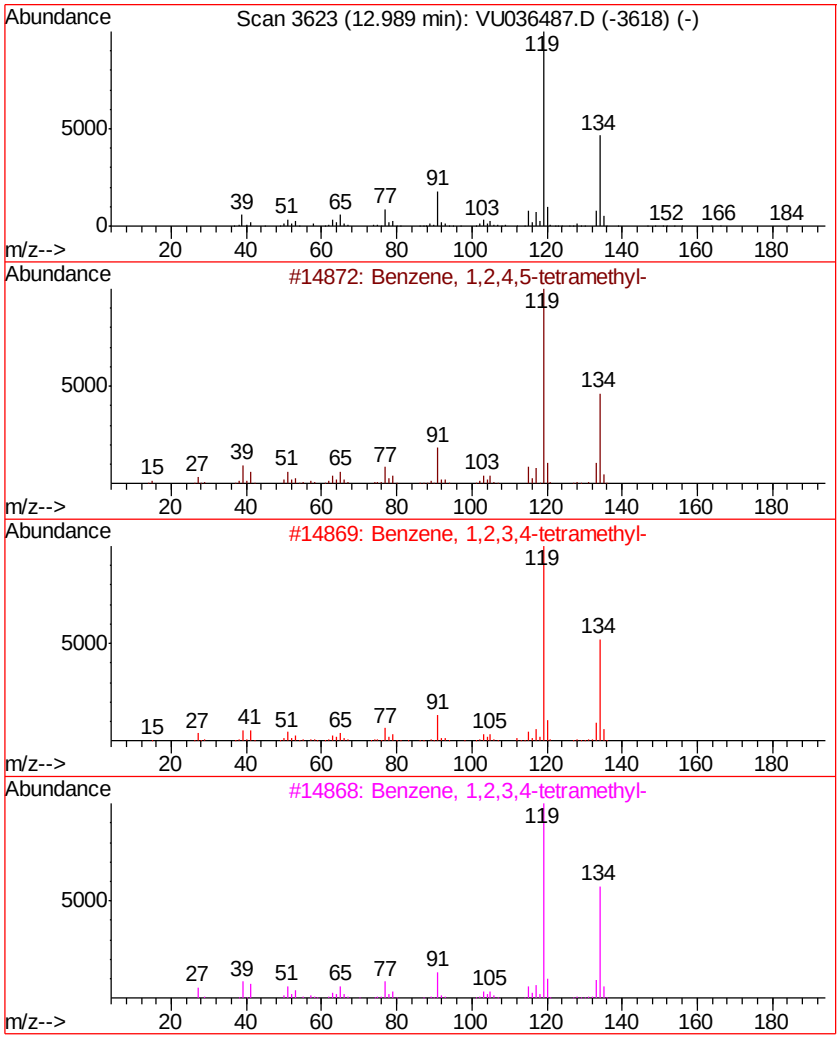
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

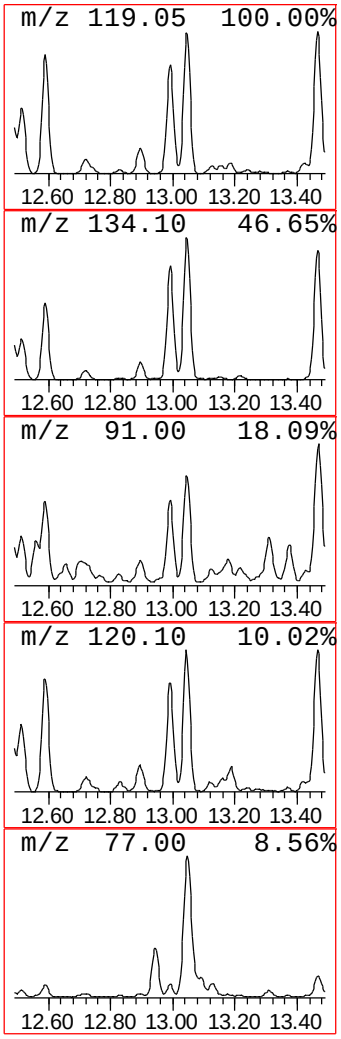
****

Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	12.43 ug/L	525044	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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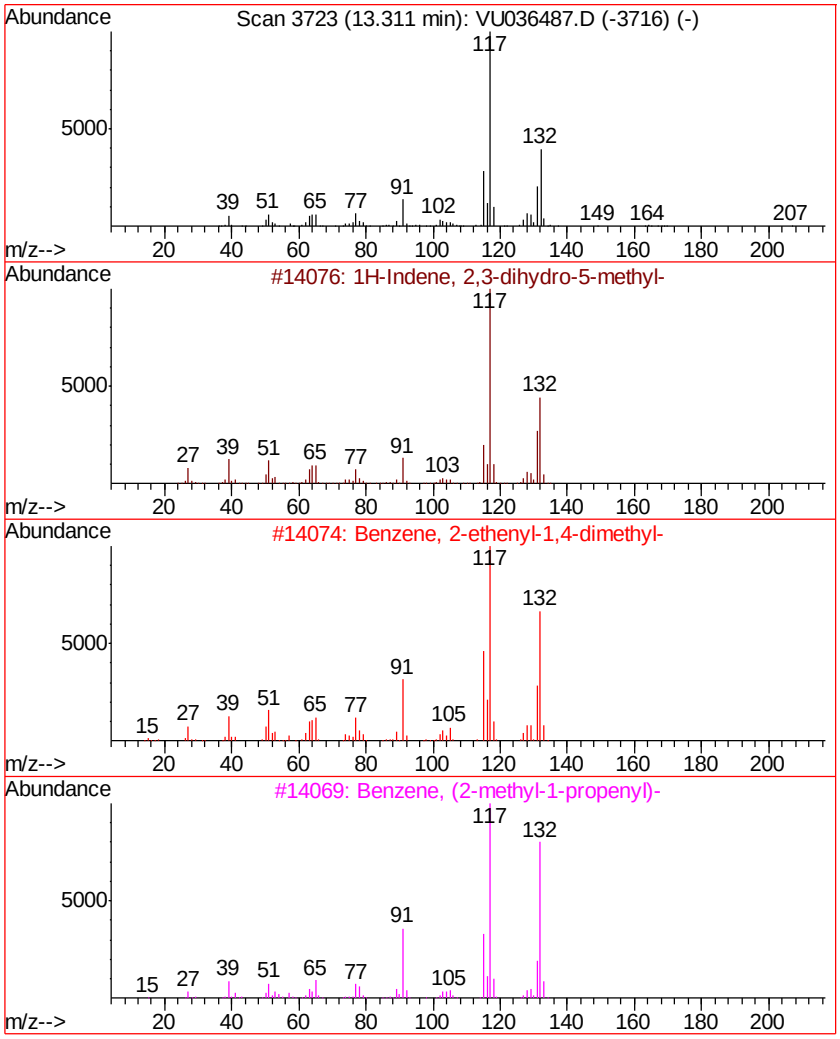
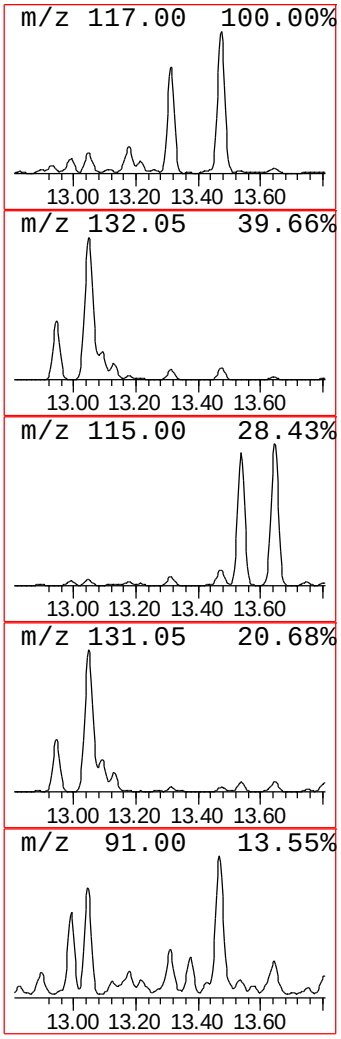
Peak Number 25 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	12.72 ug/L	537168	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	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





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Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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

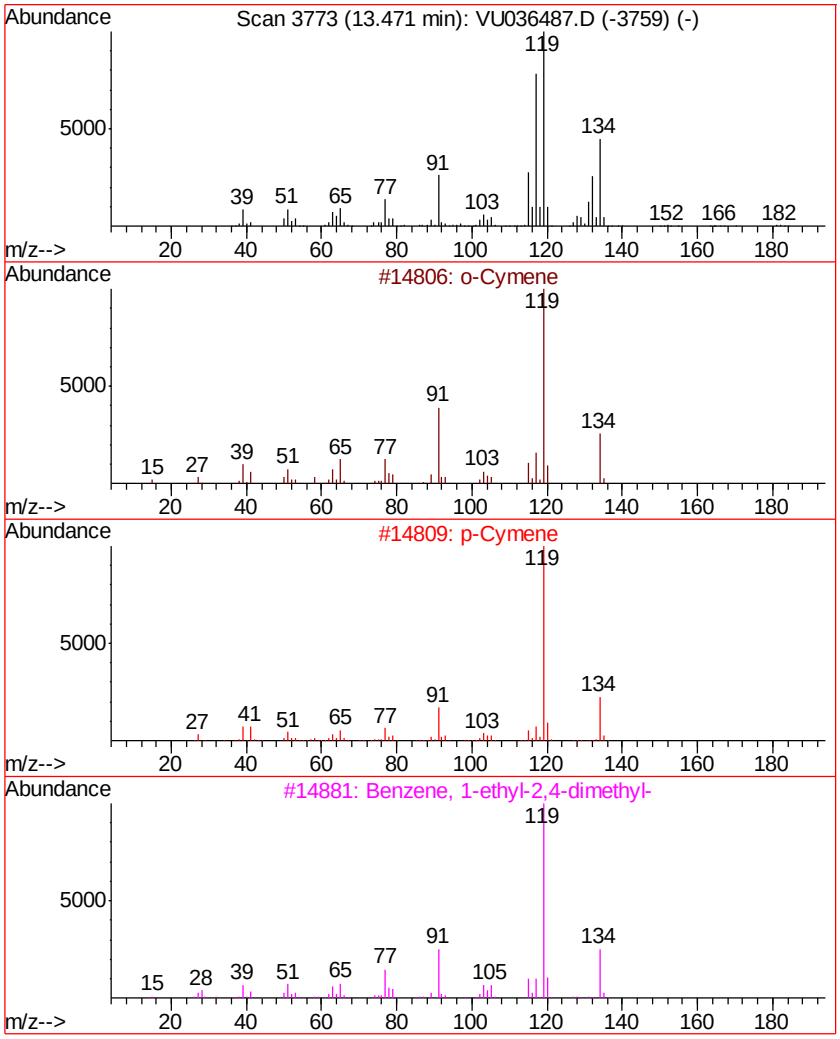
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

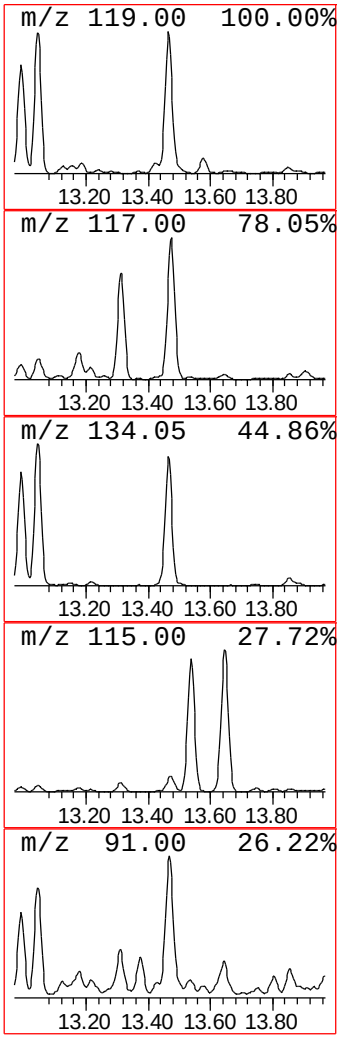
****

Peak Number 26 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	56.08 ug/L	2368710	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	p-Cymene	134	C10H14	000099-87-6	70
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	o-Cymene	134	C10H14	000527-84-4	70





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Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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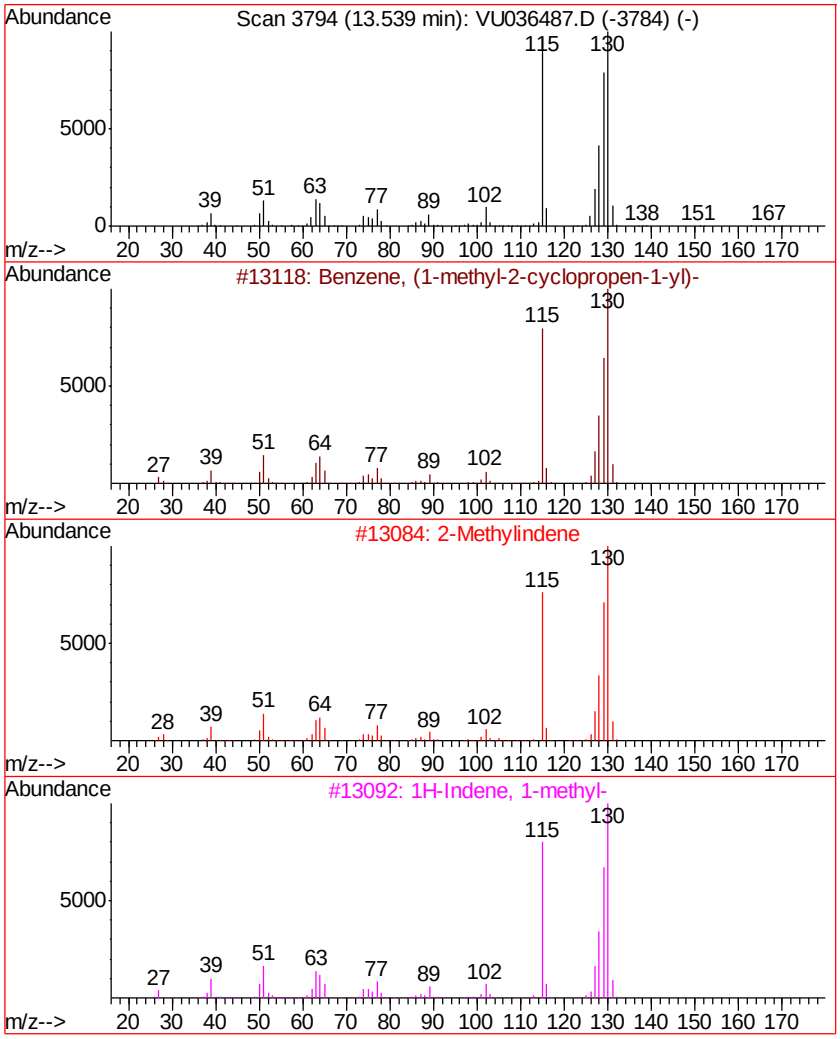
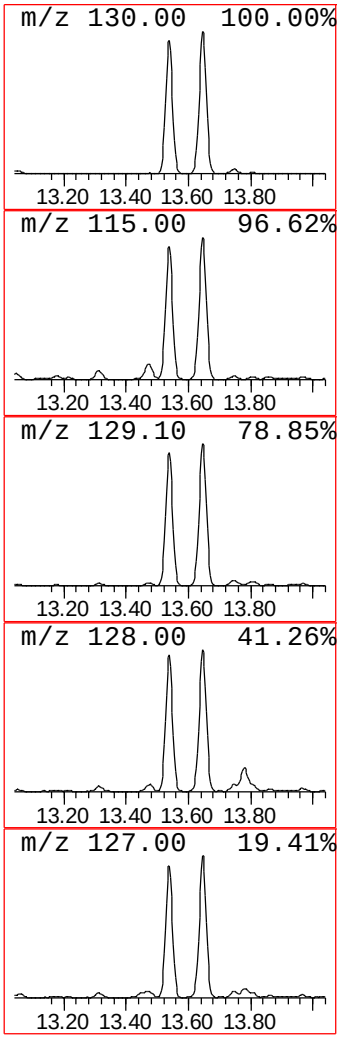
Peak Number 27 Benzene, (1-methyl-2-cyclop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	85.08 ug/L	3593750	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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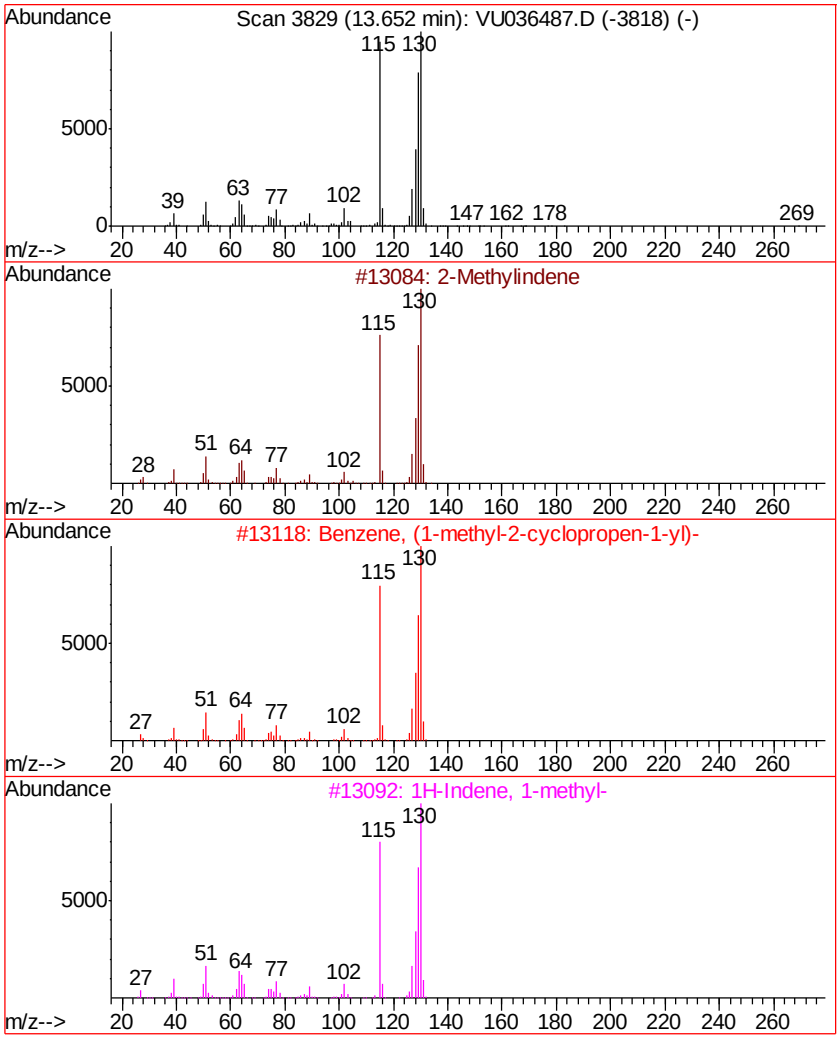
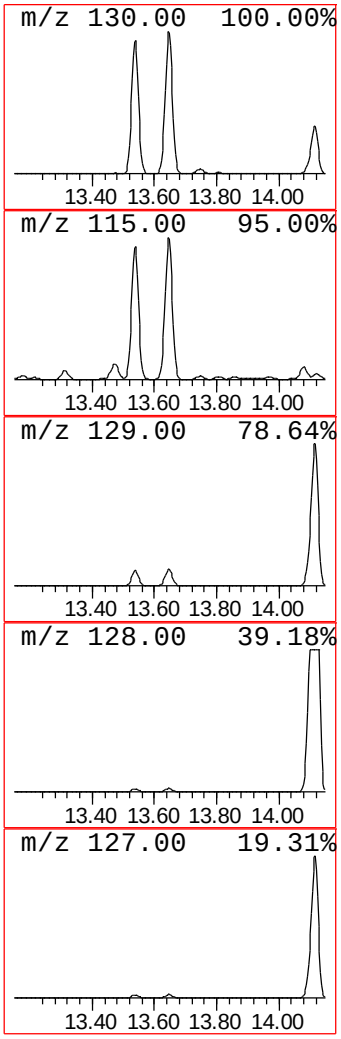
Peak Number 28 2-Methylindene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	97.70 ug/L	4126830	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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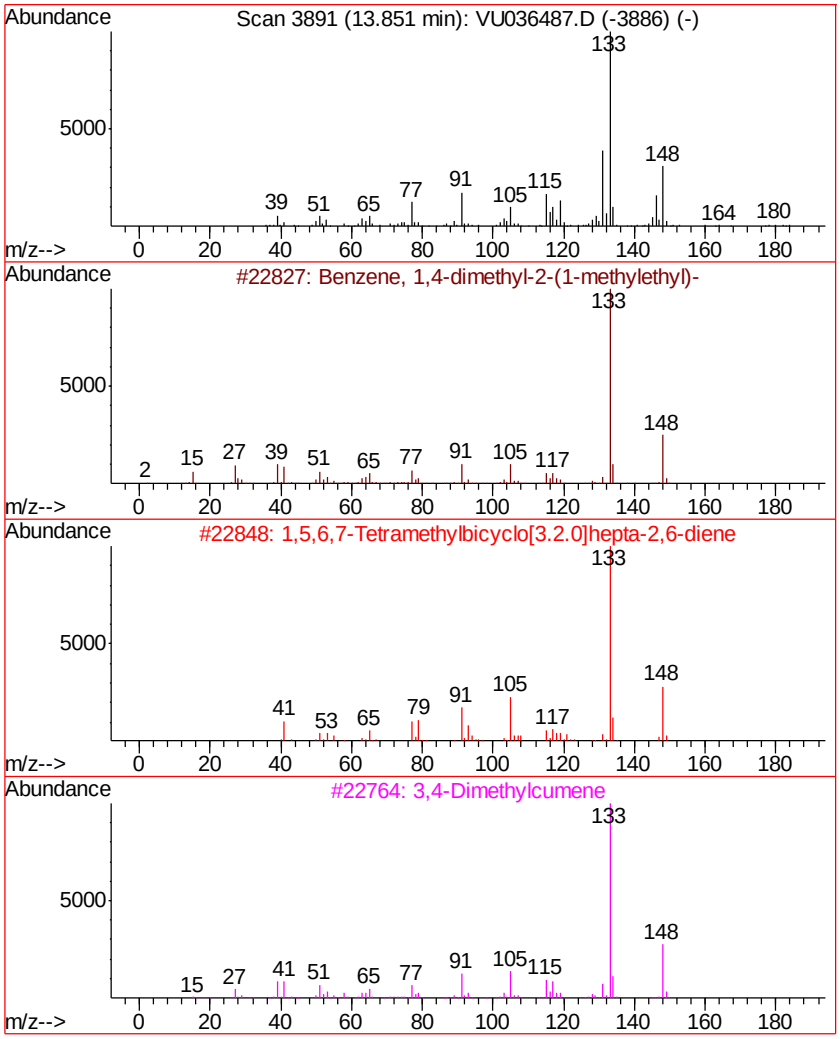
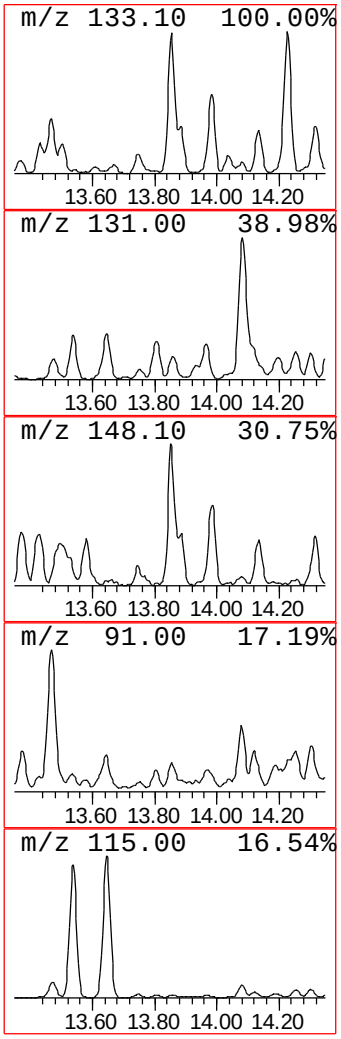
Peak Number 29 Benzene, 1,4-dimethyl-2-(1-... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	7.68 ug/L	324326	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	60
2	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	58
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	58
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	53





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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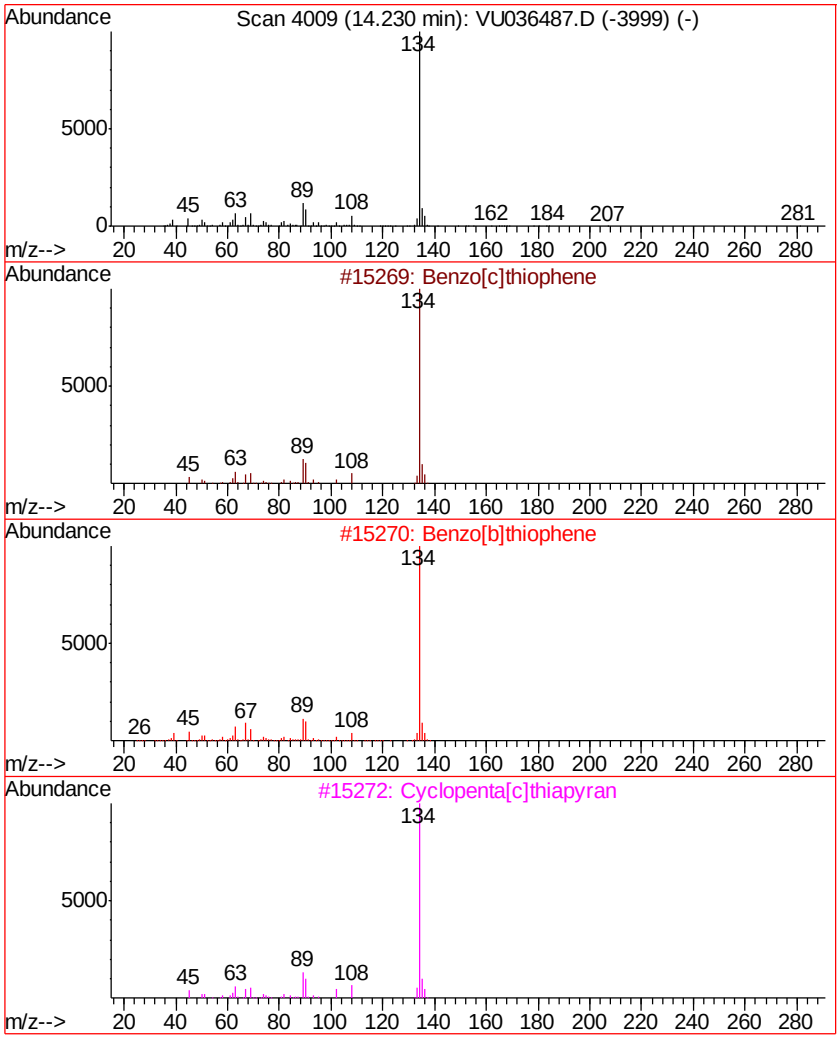
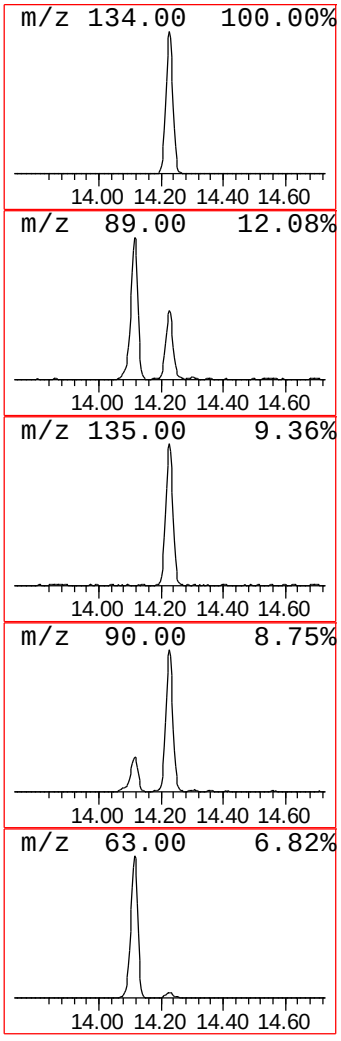
Peak Number 31 Benzo[c]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	124.88 ug/L	5274530	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





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Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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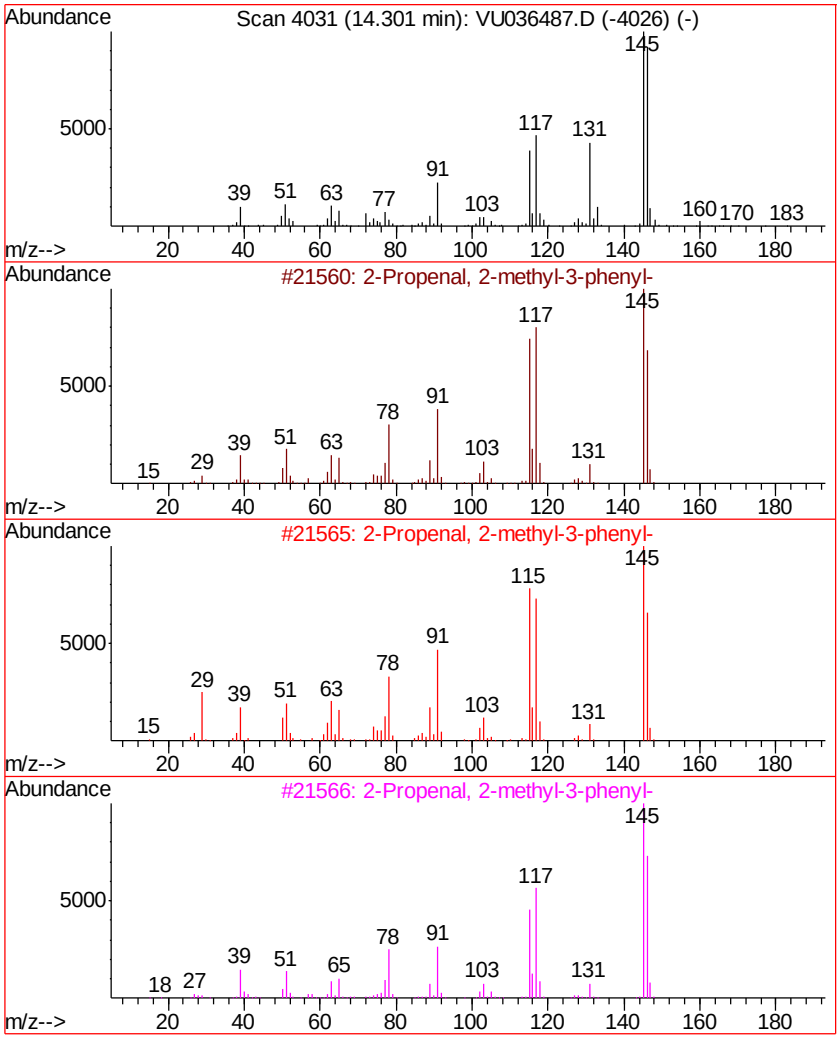
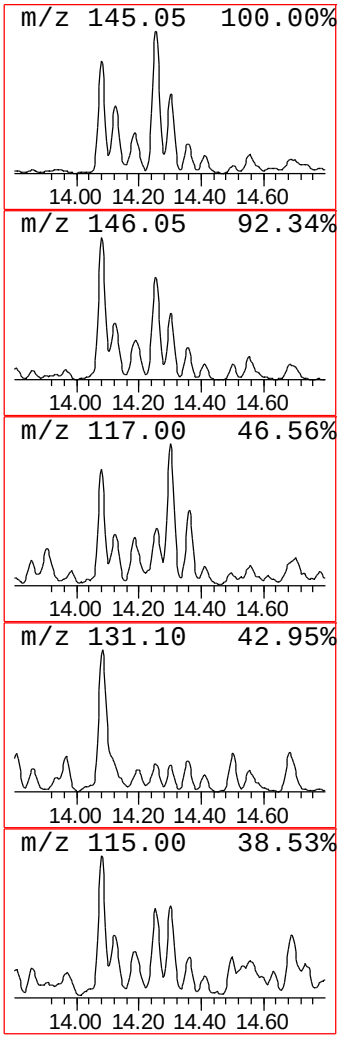
Peak Number 32 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	12.05 ug/L	509145	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	81
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	81
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	81
4	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	58
5	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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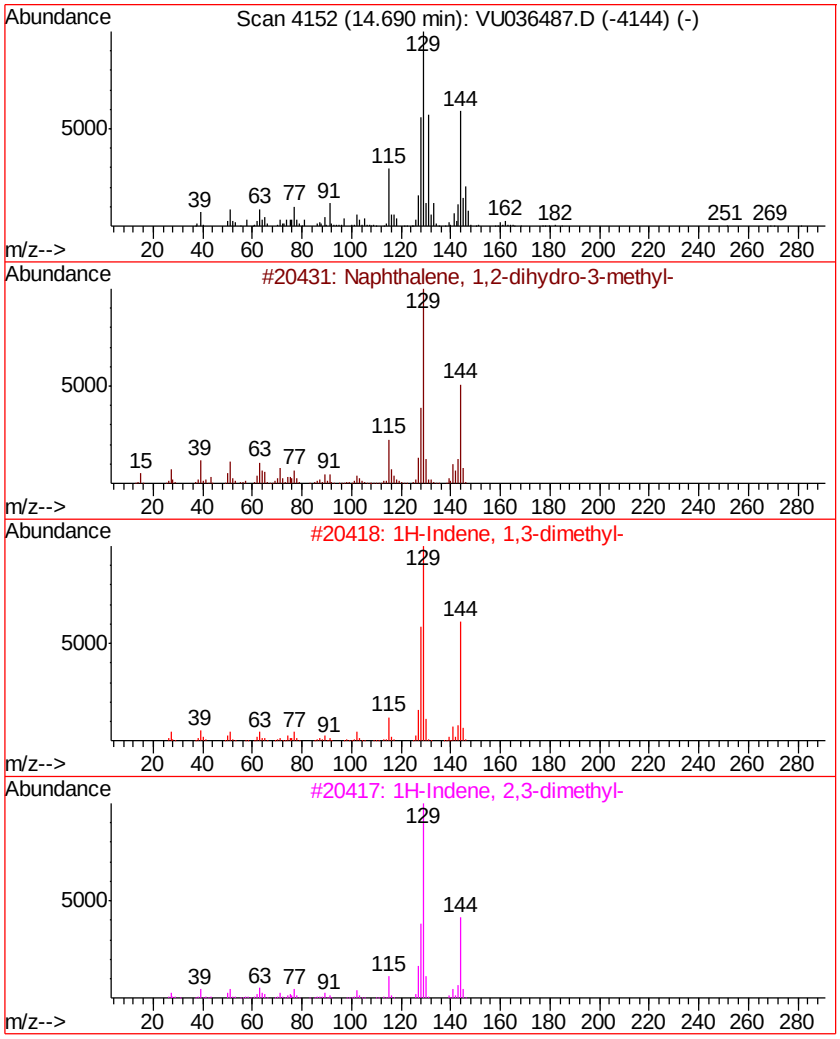
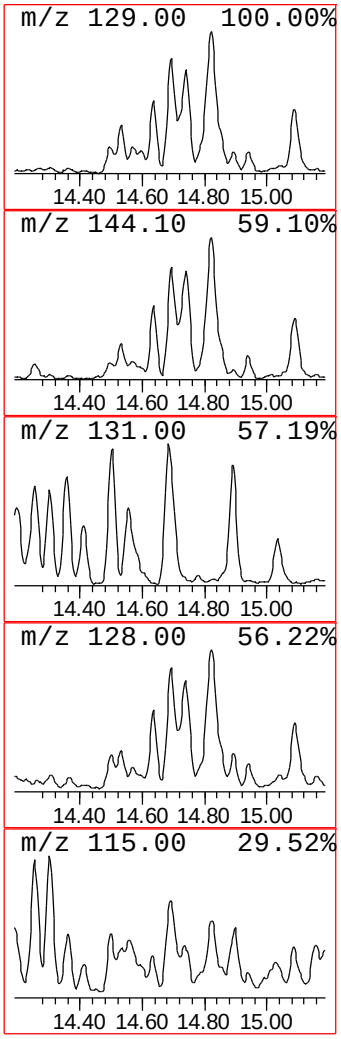
Peak Number 33 Naphthalene, 1,2-dihydro-3-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	13.82 ug/L	583929	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	83
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	70
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	64
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	64
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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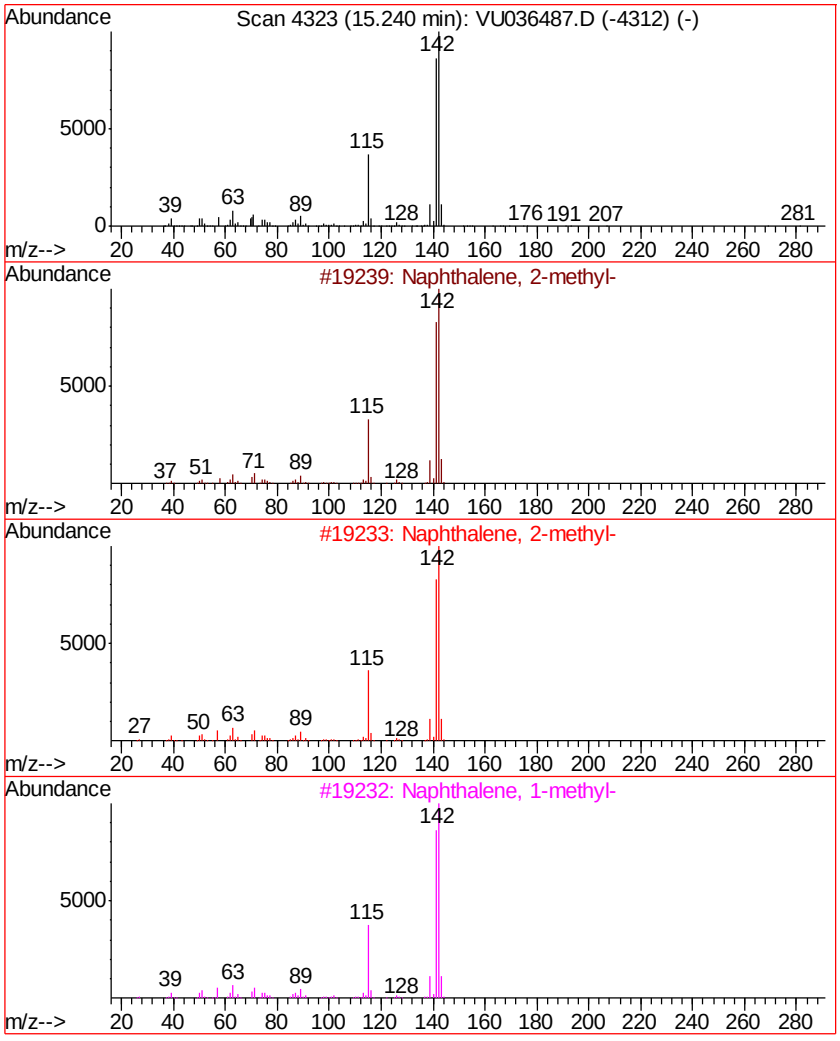
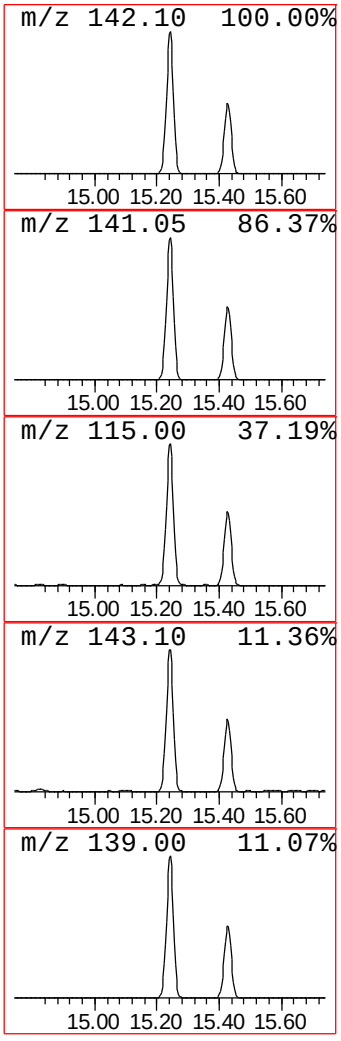
Peak Number 34 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	710.99 ug/L	30030400	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, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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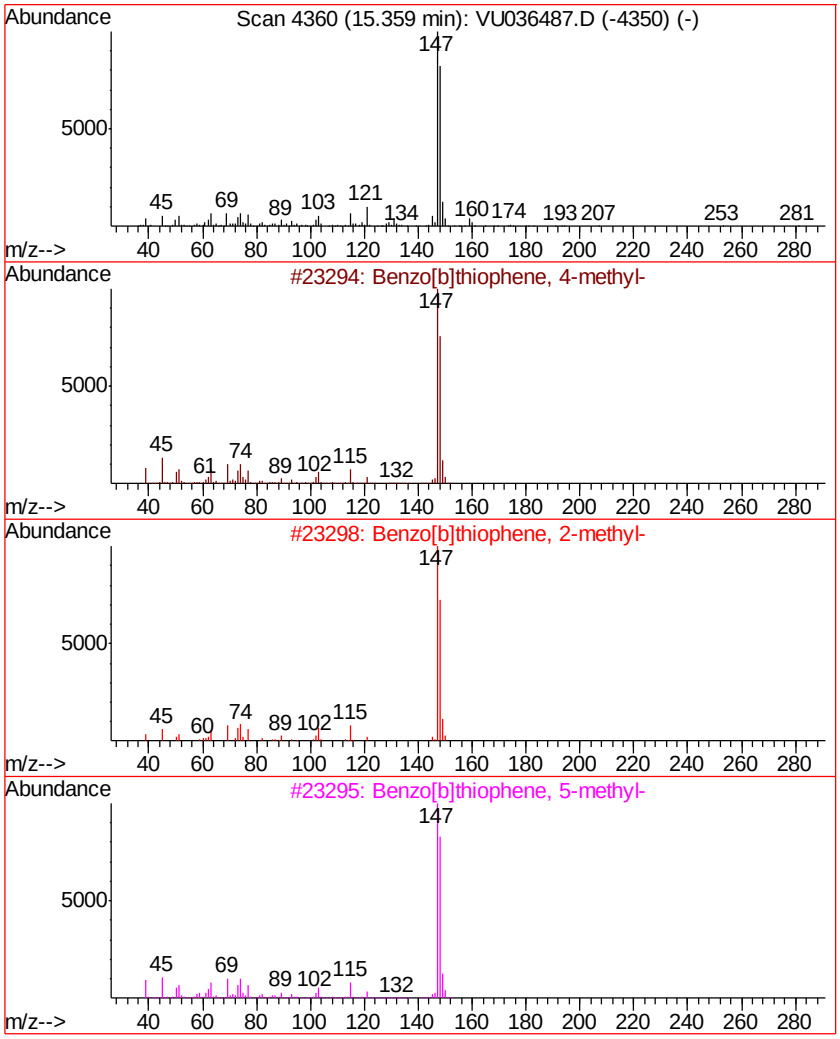
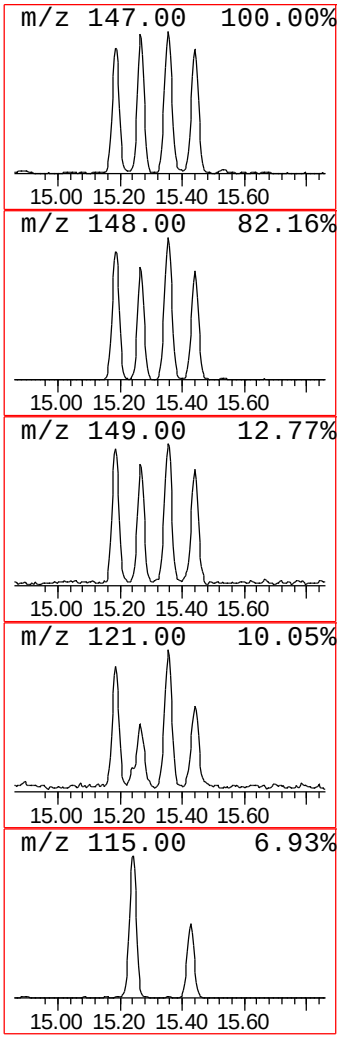
Peak Number 35 Benzo[b]thiophene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	18.73 ug/L	791126	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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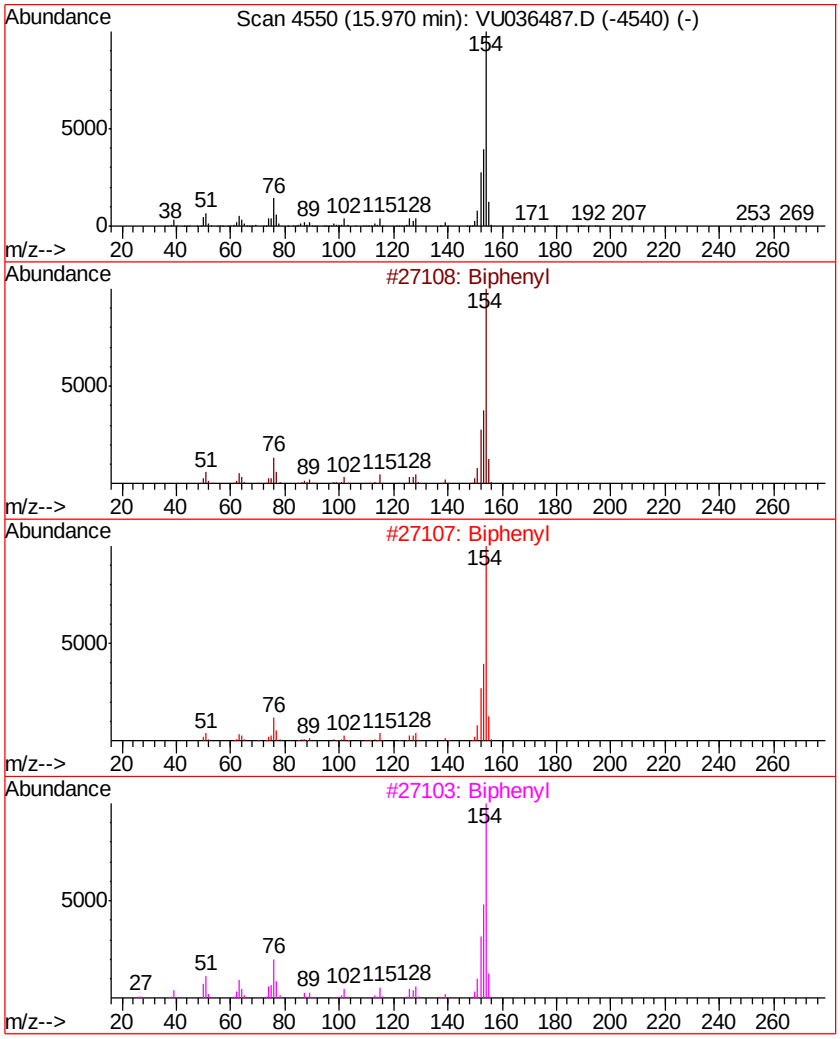
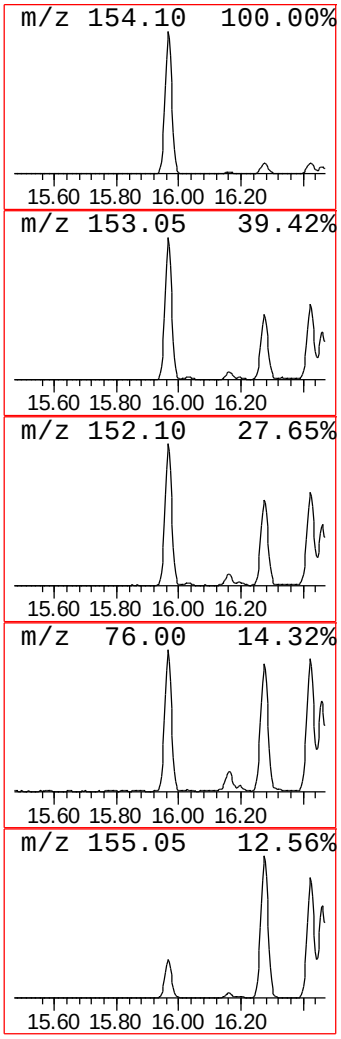
Peak Number 37 Biphenyl Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	57.33 ug/L	2421530	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	87
5	Biphenyl	154	C12H10	000092-52-4	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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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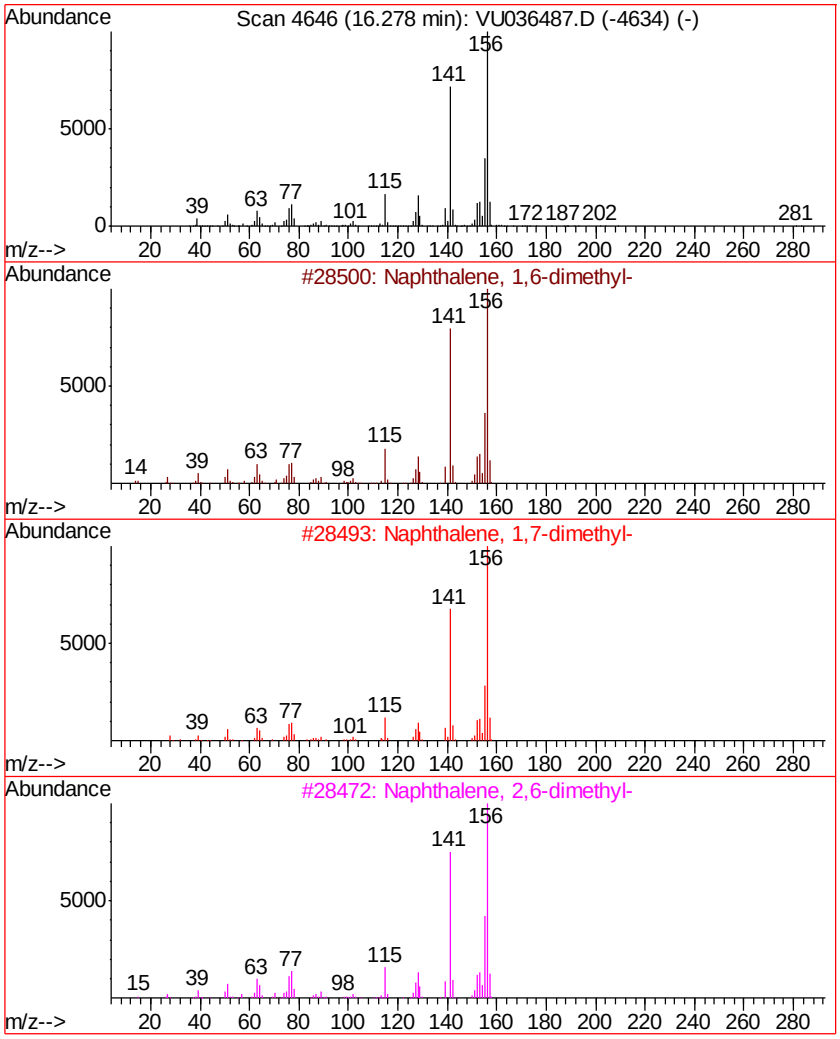
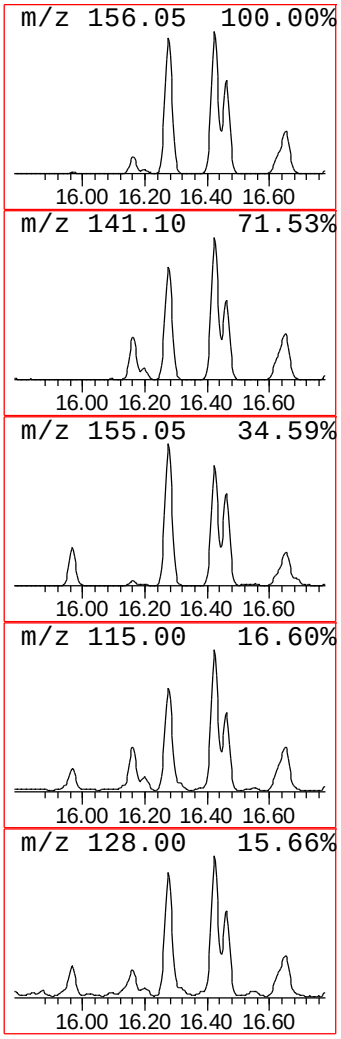
Peak Number 39 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	135.55 ug/L	5725160	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
Sample : L1109-11DL 4X
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GASH0DL

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
Benzene, 1-[(2-ch...	1.81	2.8	ug/L	72077	1	6.29	1276690	50.0
unknown-01	7.60	19.5	ug/L	498745	1	6.29	1276690	50.0
Thiophene, 3-methyl-	8.13	3.0	ug/L	101796	2	9.45	1723200	50.0
Thiophene, 3,4-di...	9.89	7.4	ug/L	255164	2	9.45	1723200	50.0
(DEL) Alkane: Str...	10.27	3.3	ug/L	112112	2	9.45	1723200	50.0
Benzene, propyl-	10.93	3.5	ug/L	149093	3	11.83	2111890	50.0
Benzene, 1-ethyl-...	11.02	65.3	ug/L	2758310	3	11.83	2111890	50.0
Benzene, 1,2,3-tr...	11.11	100.4	ug/L	4241350	3	11.83	2111890	50.0
.alpha.-Methylsty...	11.34	32.3	ug/L	1363800	3	11.83	2111890	50.0
(DEL) Alkane: Str...	11.44	2.5	ug/L	105815	3	11.83	2111890	50.0
Benzene, 1-etheny...	11.56	9.4	ug/L	396337	3	11.83	2111890	50.0
Benzene, 2-propenyl-	11.61	2.9	ug/L	121843	3	11.83	2111890	50.0
Benzofuran	11.75	134.3	ug/L	5672320	3	11.83	2111890	50.0
Bicyclo[4.2.0]oct...	11.97	10.9	ug/L	460398	3	11.83	2111890	50.0
Indane	12.11	37.9	ug/L	1599640	3	11.83	2111890	50.0
Indene	12.34	461.3	ug/L	19484600	3	11.83	2111890	50.0
Benzene, 2-ethyl-...	12.48	7.6	ug/L	319576	3	11.83	2111890	50.0
Benzene, 1-methyl...	12.56	4.7	ug/L	199742	3	11.83	2111890	50.0
Benzofuran, 7-met...	12.94	43.8	ug/L	1848180	3	11.83	2111890	50.0
Benzene, 1,2,4,5-...	12.99	12.4	ug/L	525044	3	11.83	2111890	50.0
1H-Indene, 2,3-di...	13.31	12.7	ug/L	537168	3	11.83	2111890	50.0
o-Cymene	13.47	56.1	ug/L	2368710	3	11.83	2111890	50.0
Benzene, (1-methy...	13.54	85.1	ug/L	3593750	3	11.83	2111890	50.0
2-Methylindene	13.65	97.7	ug/L	4126830	3	11.83	2111890	50.0
Benzene, 1,4-dime...	13.85	7.7	ug/L	324326	3	11.83	2111890	50.0
Benzo[c]thiophene	14.23	124.9	ug/L	5274530	3	11.83	2111890	50.0
2-Propenal, 2-met...	14.30	12.1	ug/L	509145	3	11.83	2111890	50.0
Naphthalene, 1,2-...	14.69	13.8	ug/L	583929	3	11.83	2111890	50.0
Naphthalene, 1-me...	15.24	711.0	ug/L	30030400	3	11.83	2111890	50.0
Benzo[b]thiophene...	15.36	18.7	ug/L	791126	3	11.83	2111890	50.0
Biphenyl	15.97	57.3	ug/L	2421530	3	11.83	2111890	50.0
Naphthalene, 1,6-...	16.28	135.6	ug/L	5725160	3	11.83	2111890	50.0