LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

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\SOMULM122018WMA.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	1.395	62	69	82	rVB	100860	101648	16.07%	1.533%
2	1.665	145	153	171	rVB	70155	88456	13.99%	1.334%
3	2.099	282	288	301	rVB	17993	24997	3.95%	0.377%
4	2.267	329	340	353	rBV	142672	215870	34.13%	3.255%
5	2.386	376	377	383	rVB	322	181	0.03%	0.003%
6	2.456	389	399	412	rBV	7384	14170	2.24%	0.214%
7	2.566	429	433	436	rBV	199	173	0.03%	0.003%
8	2.701	465	475	481	rBV3	1319	2423	0.38%	0.037%
9	2.987	555	564	577	rVB3	4264	8542	1.35%	0.129%
10	3.241	636	643	646	rBV	156	174	0.03%	0.003%
11	3.447	700	707	714	rVB2	332	548	0.09%	0.008%
12	3.540	730	736	740	rBV	149	164	0.03%	0.002%
13	3.710	780	789	792	rBV	90	149	0.02%	0.002%
14	3.842	825	830	832	rBV	573	492	0.08%	0.007%
15	3.977	867	872	874	rBV2	579	528	0.08%	0.008%
16	4.090	892	907	921	rBV4	7010	18090	2.86%	0.273%
17	4.177	921	934	965	rBV	67275	184452	29.16%	2.781%
18	4.646	1064	1080	1099	rBV	104059	244207	38.61%	3.682%
19	4.874	1148	1151	1160	rVV3	380	633	0.10%	0.010%
20	4.993	1172	1188	1203	rVV2	25801	60205	9.52%	0.908%
21	5.080	1203	1215	1227	rVB5	5122	11980	1.89%	0.181%
22	5.254	1253	1269	1274	rBV6	7832	16602	2.63%	0.250%
23	5.337	1276	1295	1303	rBV2	227288	622068	98.36%	9.379%
24	5.553	1353	1362	1372	rBV5	6704	12379	1.96%	0.187%
25	5.884	1450	1465	1489	rBV	198442	388345	61.40%	5.855%
26	6.215	1563	1568	1571	rBV2	705	712	0.11%	0.011%
27	6.263	1577	1583	1590	rBV3	1273	1983	0.31%	0.030%
28	6.328	1590	1603	1616	rBV	152179	301066	47.60%	4.539%
29	6.530	1659	1666	1678	rVB4	2425	4640	0.73%	0.070%
30	6.639	1692	1700	1709	rBV3	2961	4920	0.78%	0.074%
31	6.697	1712	1718	1719	rBV	213	156	0.02%	0.002%
32	6.729	1719	1728	1741	rVB5	4014	8402	1.33%	0.127%
33	6.900	1768	1781	1791	rBV6	3238	5867	0.93%	0.088%
34	7.038	1818	1824	1825	rBV	209	191	0.03%	0.003%

LSC Area Percent Report

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Sample : J6509-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

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\SOMULM122018WMA.M
Title : VOC Analysis

35	7.045	1825	1826	1828	rBV2	291	148	0.02%	0.002%
36	7.099	1838	1843	1844	rBV4	1695	1419	0.22%	0.021%
37	7.228	1871	1883	1901	rBV	85559	159809	25.27%	2.409%
38	7.373	1920	1928	1937	rVB4	2430	4232	0.67%	0.064%
39	7.447	1943	1951	1957	rBV3	831	1284	0.20%	0.019%
40	7.562	1963	1987	2007	rBV	320207	632457	100.00%	9.536%
41	7.707	2023	2032	2049	rVB2	18909	35402	5.60%	0.534%
42	7.848	2065	2076	2088	rBV	60412	100656	15.92%	1.518%
43	7.916	2088	2097	2112	rVB2	27569	49851	7.88%	0.752%
44	8.045	2123	2137	2148	rBV3	21616	38535	6.09%	0.581%
45	8.176	2166	2178	2189	rBV4	3508	7674	1.21%	0.116%
46	8.311	2208	2220	2245	rBV	236589	408036	64.52%	6.152%
47	8.456	2255	2265	2272	rBV4	19610	38076	6.02%	0.574%
48	8.781	2360	2366	2369	rBV2	218	257	0.04%	0.004%
49	8.813	2373	2376	2379	rBV3	648	534	0.08%	0.008%
50	8.903	2400	2404	2407	rBV	450	271	0.04%	0.004%
51	8.948	2414	2418	2422	rBV2	232	266	0.04%	0.004%
52	8.977	2424	2427	2434	rVB3	409	415	0.07%	0.006%
53	9.022	2434	2441	2447	rBV4	538	751	0.12%	0.011%
54	9.090	2448	2462	2484	rBV2	292398	563287	89.06%	8.493%
55	9.295	2523	2526	2529	rBV2	181	160	0.03%	0.002%
56	9.318	2529	2533	2535	rBV2	441	311	0.05%	0.005%
57	9.372	2535	2550	2567	rBV10	12506	35492	5.61%	0.535%
58	9.569	2603	2611	2621	rVV3	3391	5276	0.83%	0.080%
59	9.688	2645	2648	2649	rBV	534	259	0.04%	0.004%
60	9.745	2652	2666	2675	rVB9	5543	15249	2.41%	0.230%
61	9.951	2709	2730	2740	rBV7	5873	13120	2.07%	0.198%
62	10.044	2750	2759	2772	rBV7	6756	12732	2.01%	0.192%
63	10.115	2777	2781	2786	rBV4	462	384	0.06%	0.006%
64	10.167	2787	2797	2809	rBV	47413	73095	11.56%	1.102%
65	10.321	2842	2845	2850	rBV2	608	529	0.08%	0.008%
66	10.379	2850	2863	2868	rBV6	3888	6417	1.01%	0.097%
67	10.430	2868	2879	2894	rVV	215682	340688	53.87%	5.137%
68	10.588	2916	2928	2946	rBV	38649	65368	10.34%	0.986%
69	10.700	2953	2963	2972	rBV4	2468	3924	0.62%	0.059%
70	10.974	3041	3048	3058	rVV7	3065	5008	0.79%	0.076%
71	11.044	3067	3070	3076	rBV2	208	191	0.03%	0.003%

LSC Area Percent Report

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Sample : J6509-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

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\SOMULM122018WMA.M
Title : VOC Analysis

72	11.099	3076	3087	3094	rVV	18204	27933	4.42%	0.421%
73	11.147	3094	3102	3115	rVB	53994	81774	12.93%	1.233%
74	11.292	3135	3147	3151	rBV	11867	18494	2.92%	0.279%
75	11.401	3174	3181	3185	rBV6	1124	1316	0.21%	0.020%
76	11.482	3194	3206	3228	rBV	274494	448733	70.95%	6.766%
77	11.687	3262	3270	3279	rVB	6962	9927	1.57%	0.150%
78	11.771	3281	3296	3311	rVV5	38946	81836	12.94%	1.234%
79	11.858	3311	3323	3343	rBV	299641	491834	77.77%	7.415%
80	11.983	3353	3362	3372	rVB4	5946	8887	1.41%	0.134%
81	12.041	3376	3380	3381	rBV	429	321	0.05%	0.005%
82	12.144	3402	3412	3418	rBV	14408	21398	3.38%	0.323%
83	12.250	3437	3445	3453	rBV	49551	71605	11.32%	1.080%
84	12.353	3469	3477	3497	rBV5	17985	45598	7.21%	0.687%
85	12.536	3528	3534	3549	rVB4	7330	10426	1.65%	0.157%
86	12.649	3552	3569	3577	rBV	41540	67487	10.67%	1.018%
87	12.704	3577	3586	3601	rVB	57395	91014	14.39%	1.372%
88	12.787	3605	3612	3622	rVB6	5088	7767	1.23%	0.117%
89	12.884	3634	3642	3651	rBV5	5442	10771	1.70%	0.162%
90	13.035	3683	3689	3693	rBV5	1025	1285	0.20%	0.019%
91	13.083	3697	3704	3706	rBV3	4679	5645	0.89%	0.085%
92	13.122	3709	3716	3733	rVB2	52198	85345	13.49%	1.287%
93	13.240	3746	3753	3761	rVB	3768	5275	0.83%	0.080%
94	13.404	3799	3804	3813	rVB4	2437	3045	0.48%	0.046%
95	13.511	3830	3837	3851	rBV5	9573	19779	3.13%	0.298%
96	13.958	3970	3976	3985	rBV10	3278	5821	0.92%	0.088%
97	14.154	4031	4037	4048	rVB6	3072	4351	0.69%	0.066%
98	14.478	4131	4138	4146	rBV5	2745	3862	0.61%	0.058%
99	14.546	4152	4159	4168	rVB5	2466	3920	0.62%	0.059%
100	15.067	4312	4321	4335	rBV2	18057	30189	4.77%	0.455%

Sum of corrected areas: 6632614

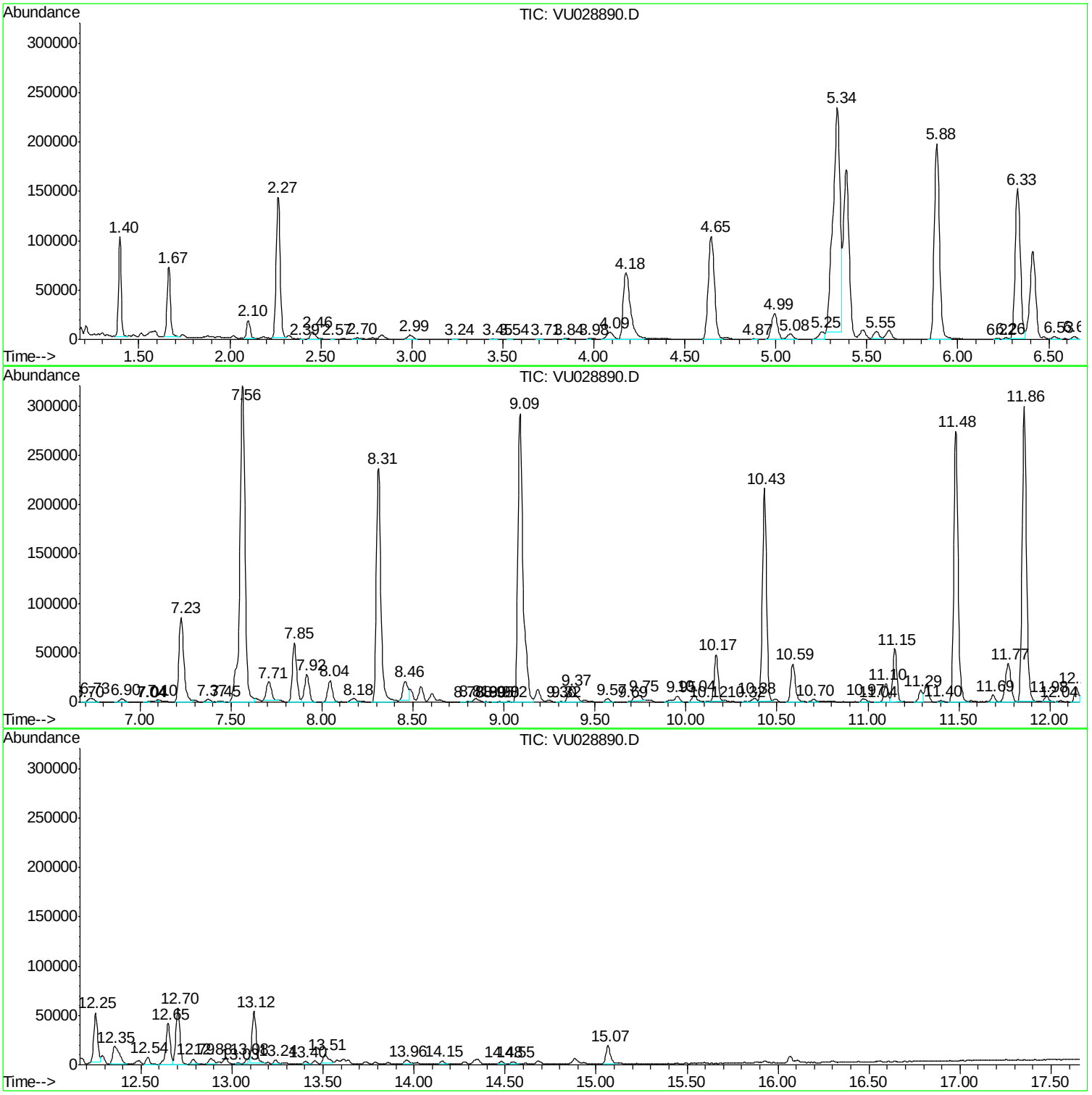
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.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\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
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ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

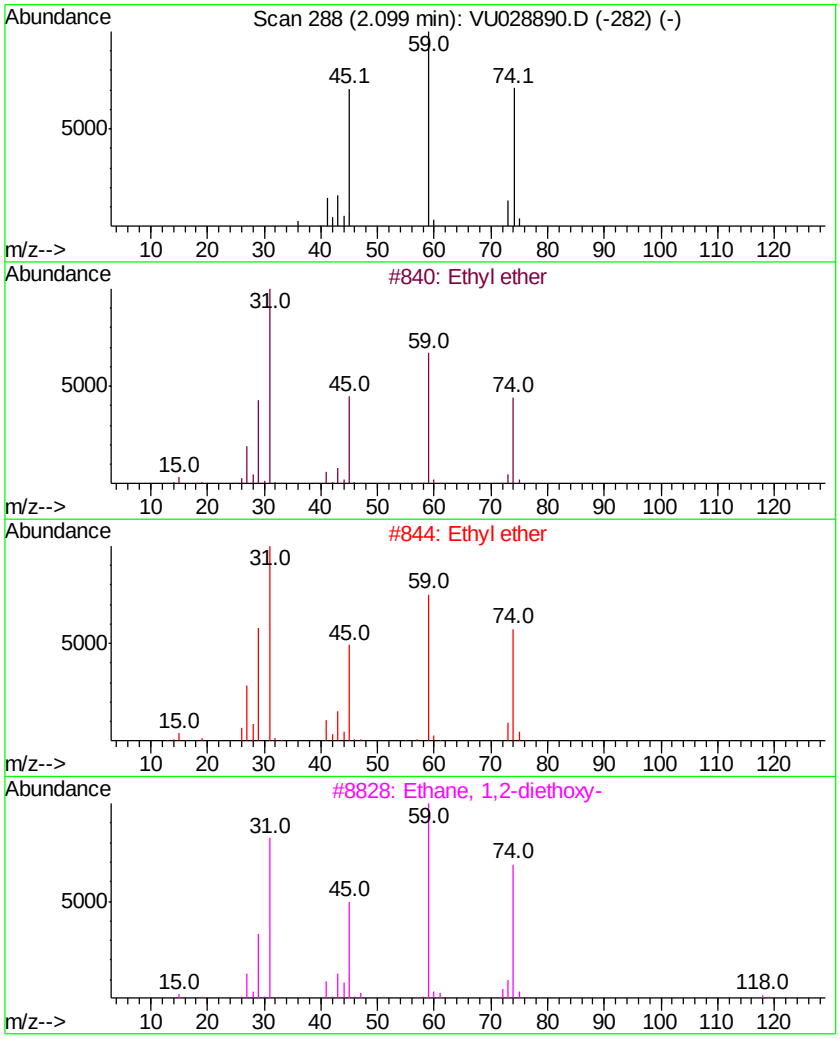
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

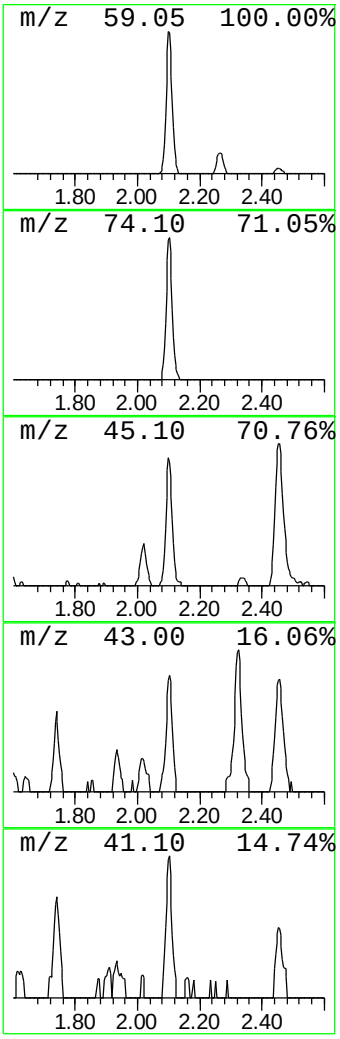
****

Peak Number 1 Ethyl ether Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	3.22 ug/L	24997	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	83
4	Ethyl ether	74	C4H10O	000060-29-7	83
5	Ethyl ether	74	C4H10O	000060-29-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

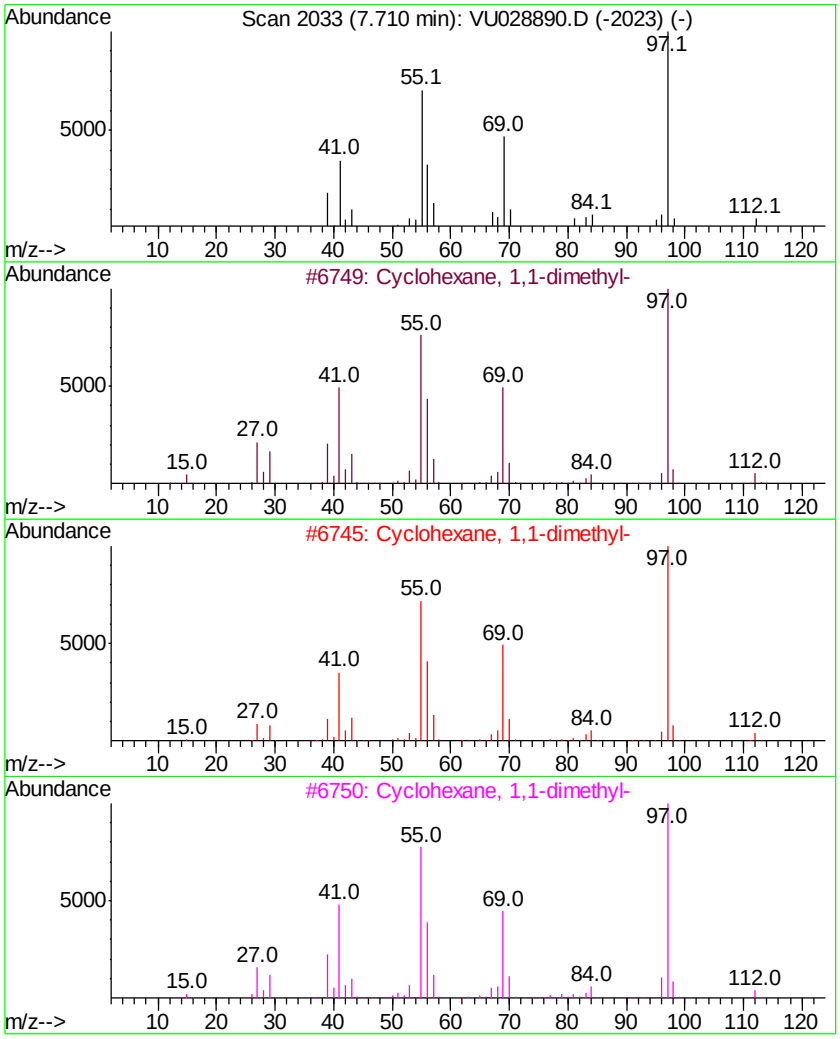
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

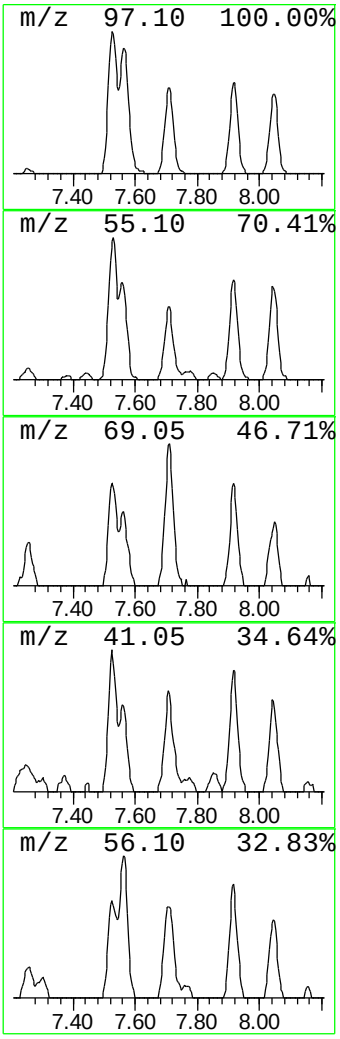
****

Peak Number 3 (DEL) Alkane: Cyclic7.71 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	3.14 ug/L	35402	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
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ALS Vial : 32 Sample Multiplier: 1

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ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

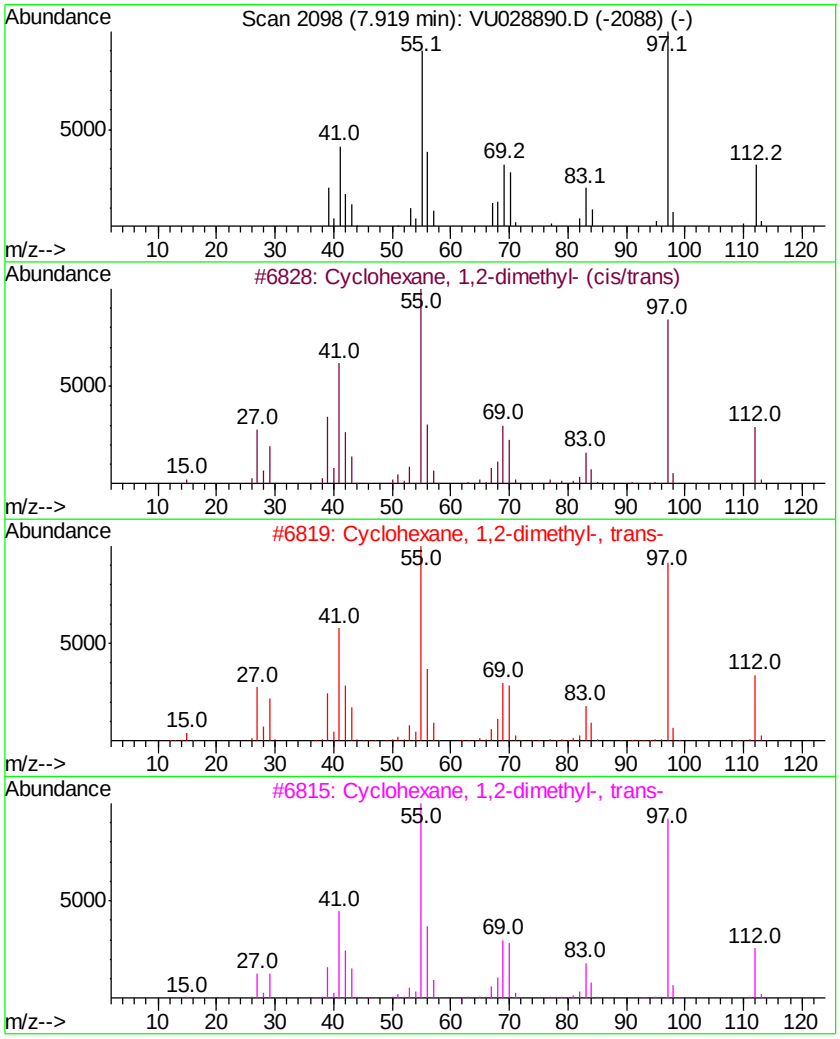
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

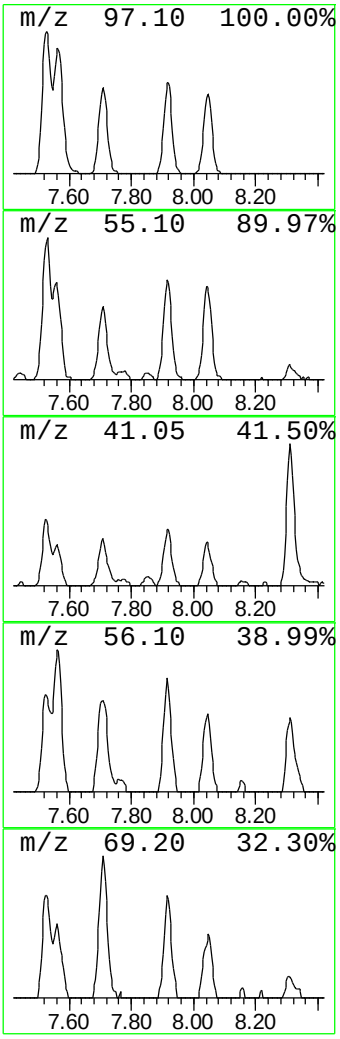
****

Peak Number 4 (DEL) Alkane: Cyclic7.92 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	4.43 ug/L	49851	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	96
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Library Search Compound Report

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Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
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Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

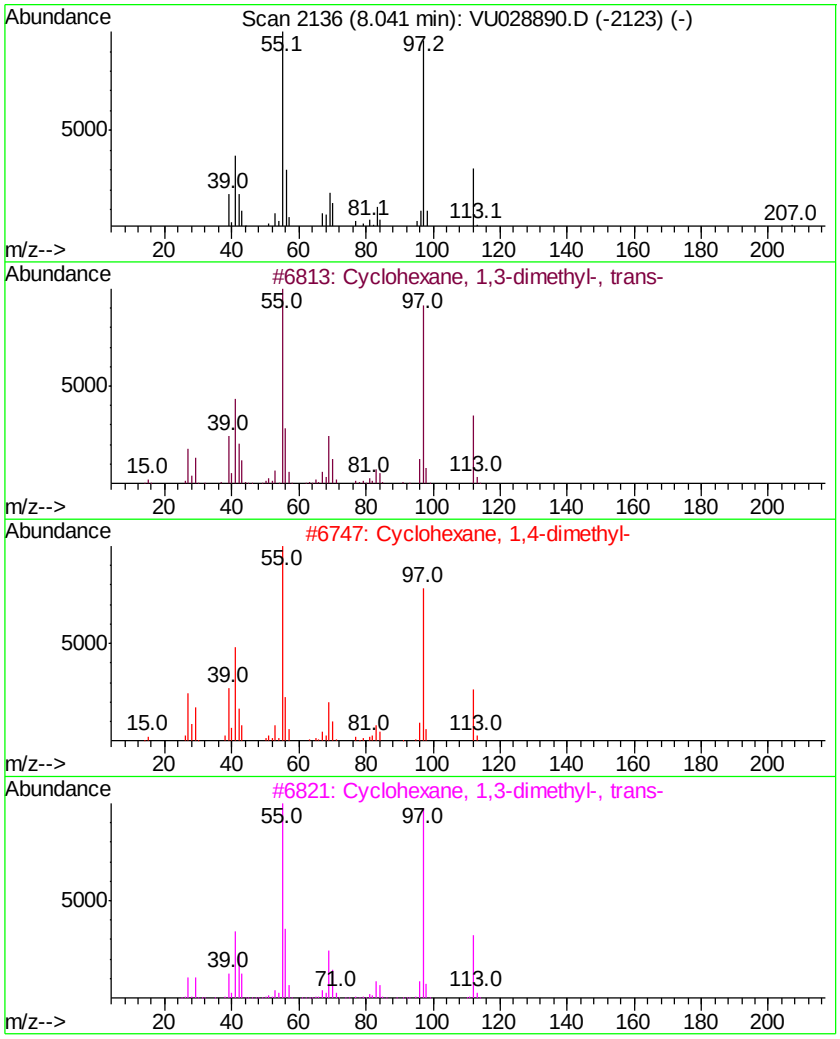
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

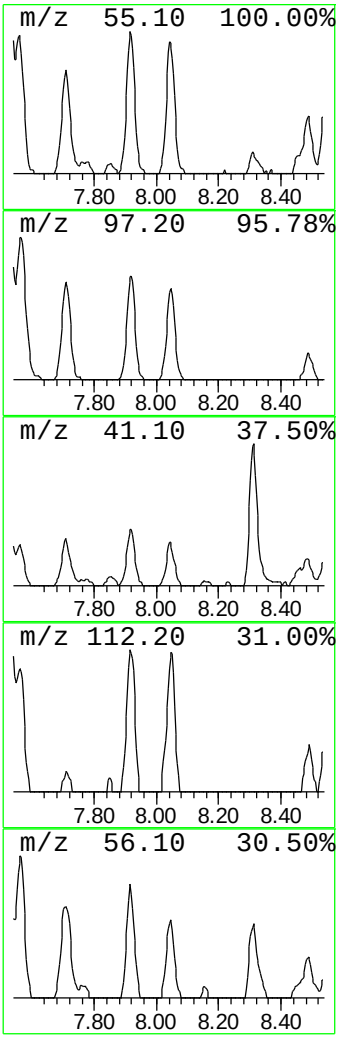
****

Peak Number 5 (DEL) Alkane: Cyclic8.04 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	3.42 ug/L	38535	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94





Library Search Compound Report

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Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
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Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

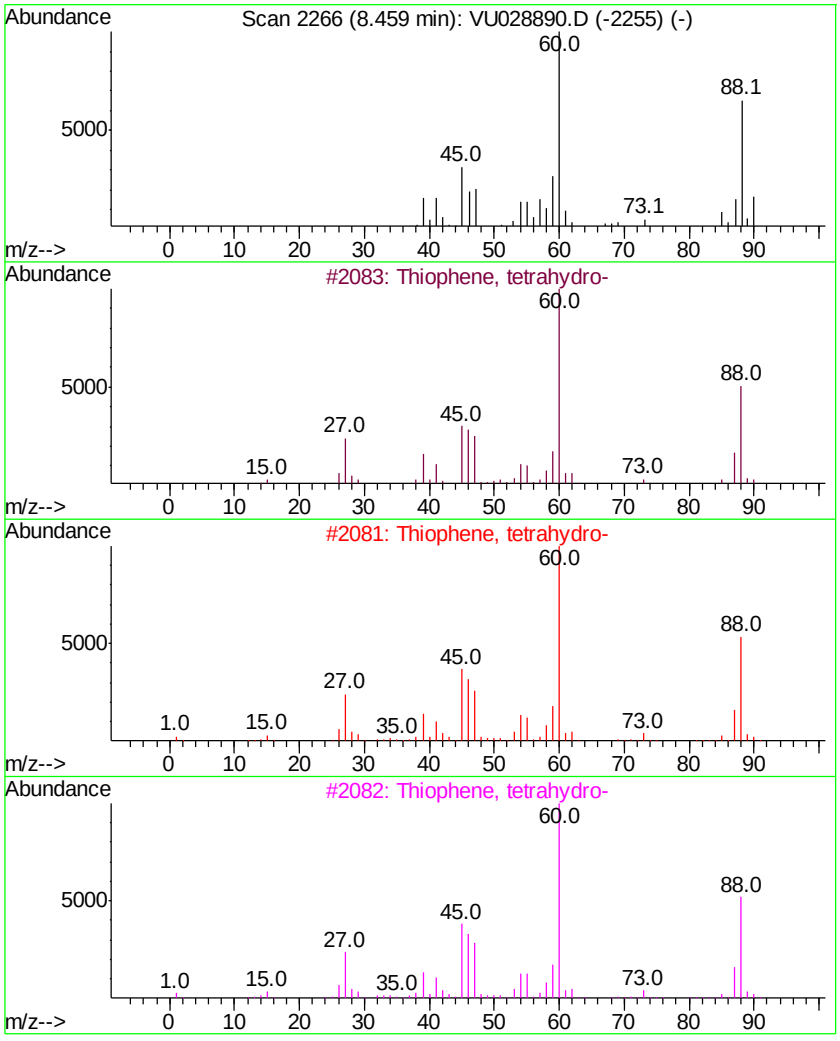
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

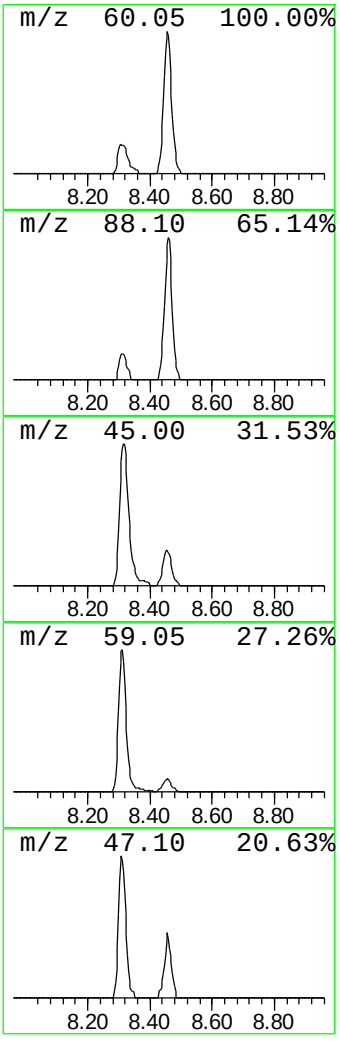
****

Peak Number 6 Thiophene, tetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	3.38 ug/L	38076	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	83
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	81
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	81
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
5	Phospholane	88	C4H9P	003466-00-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

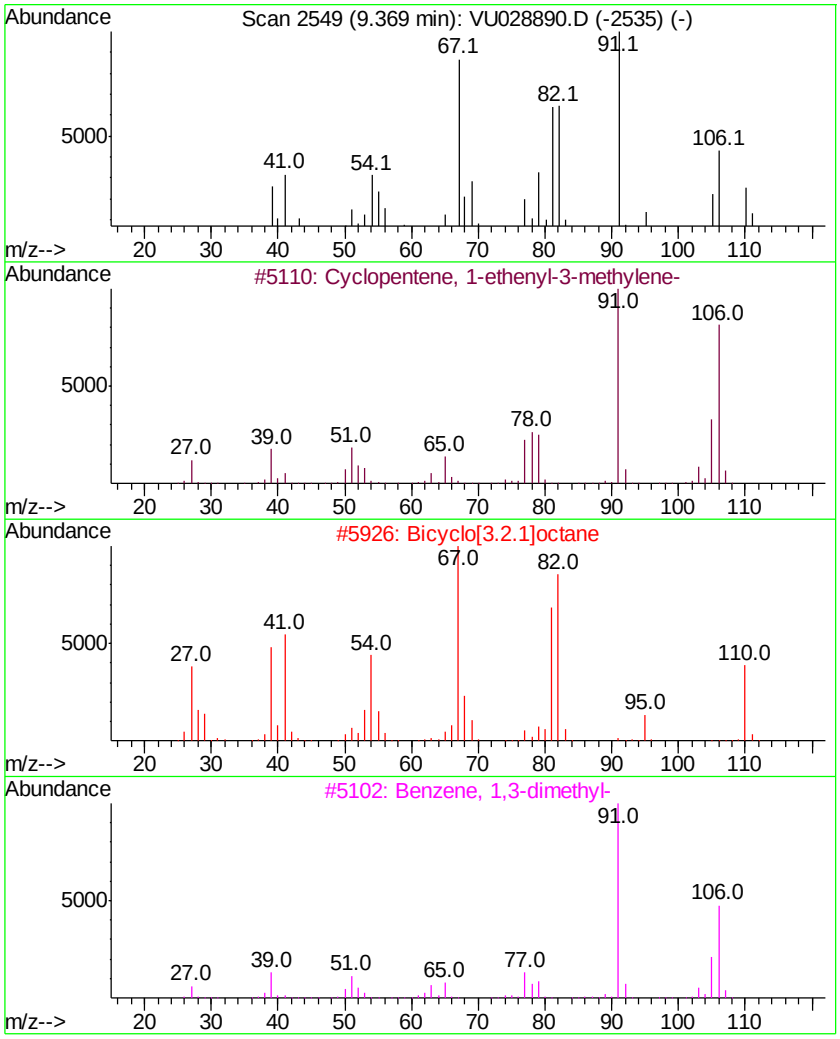
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

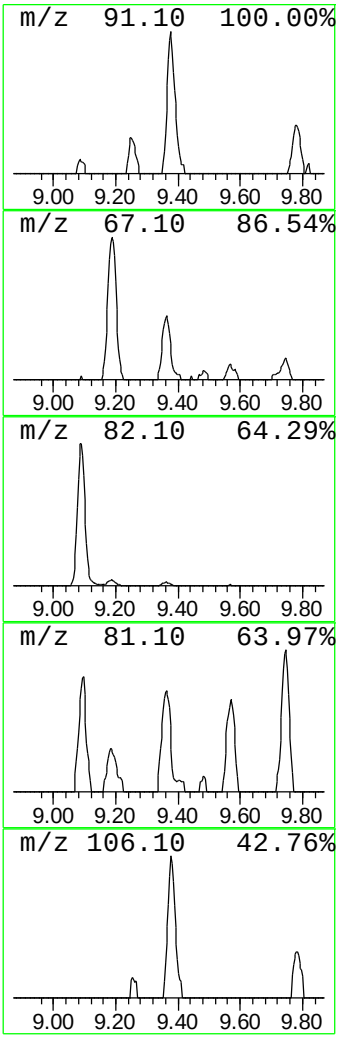
****

Peak Number 7 Cyclopentene, 1-ethenyl-3-m... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	3.15 ug/L	35492	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	50
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	46
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	42
4	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	41
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	38





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Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

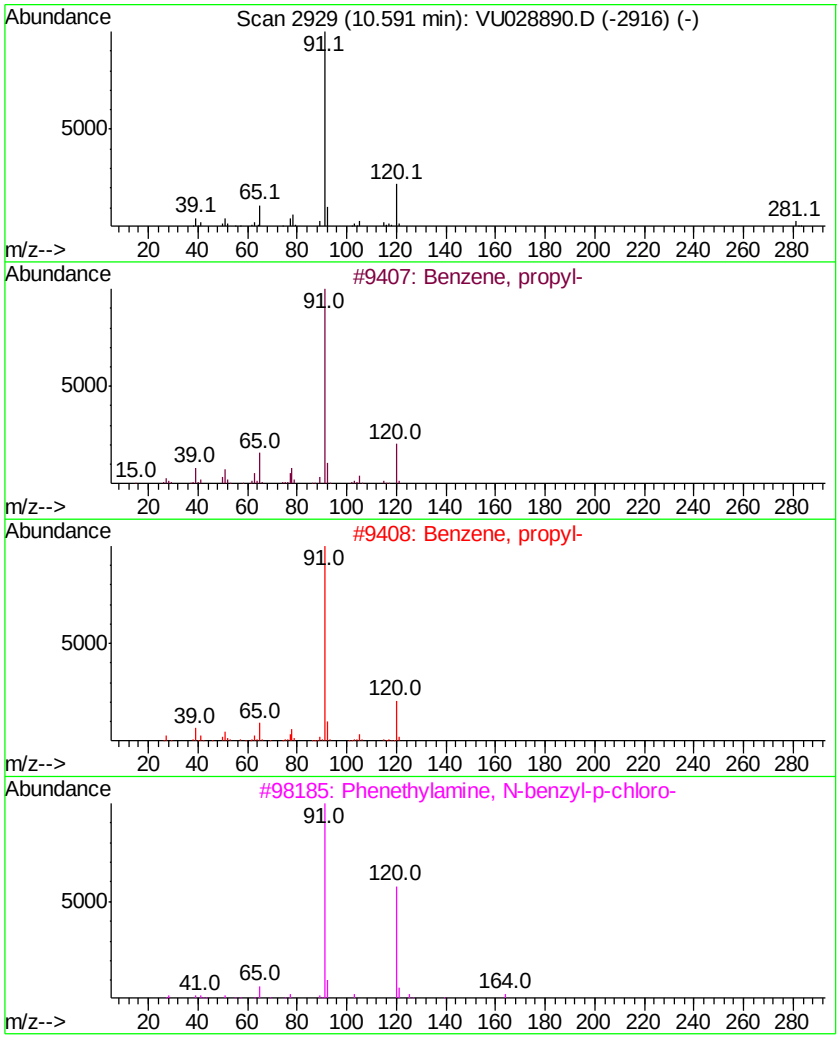
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

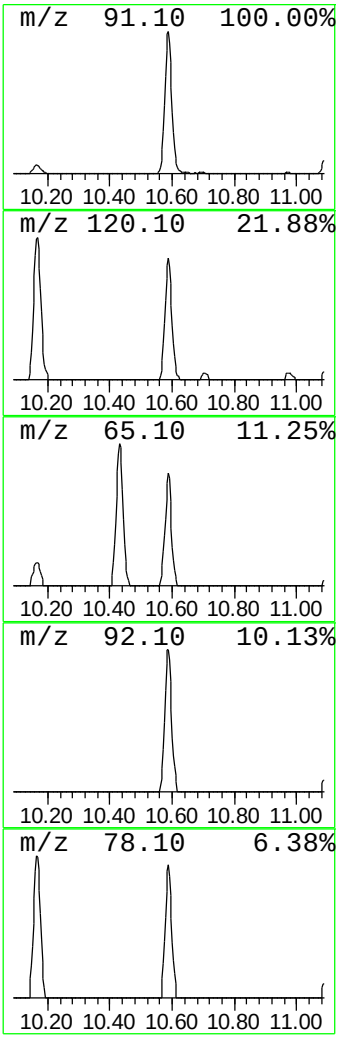
****

Peak Number 8 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	7.28 ug/L	65368	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

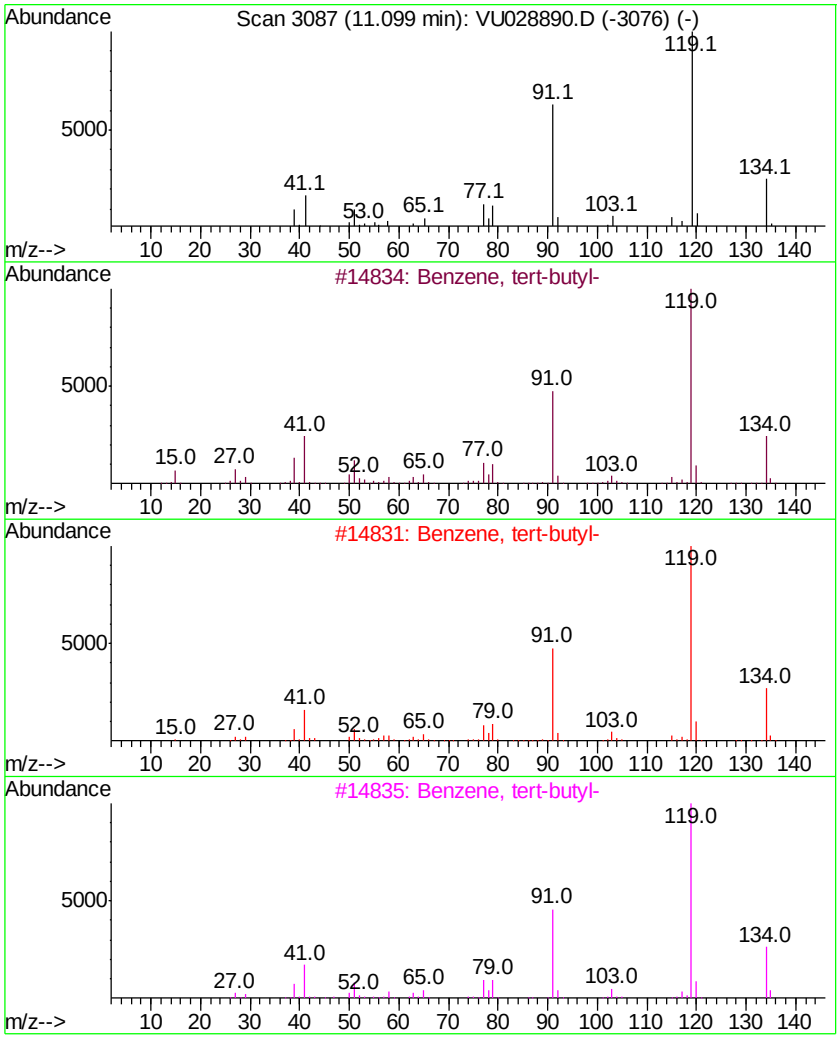
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

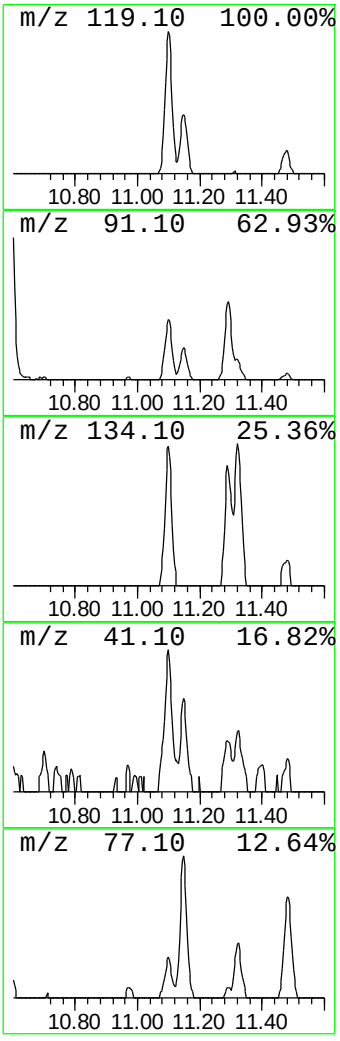
****

Peak Number 9 Benzene, tert-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.11 ug/L	27933	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	72
5	o-Cymene	134	C10H14	000527-84-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

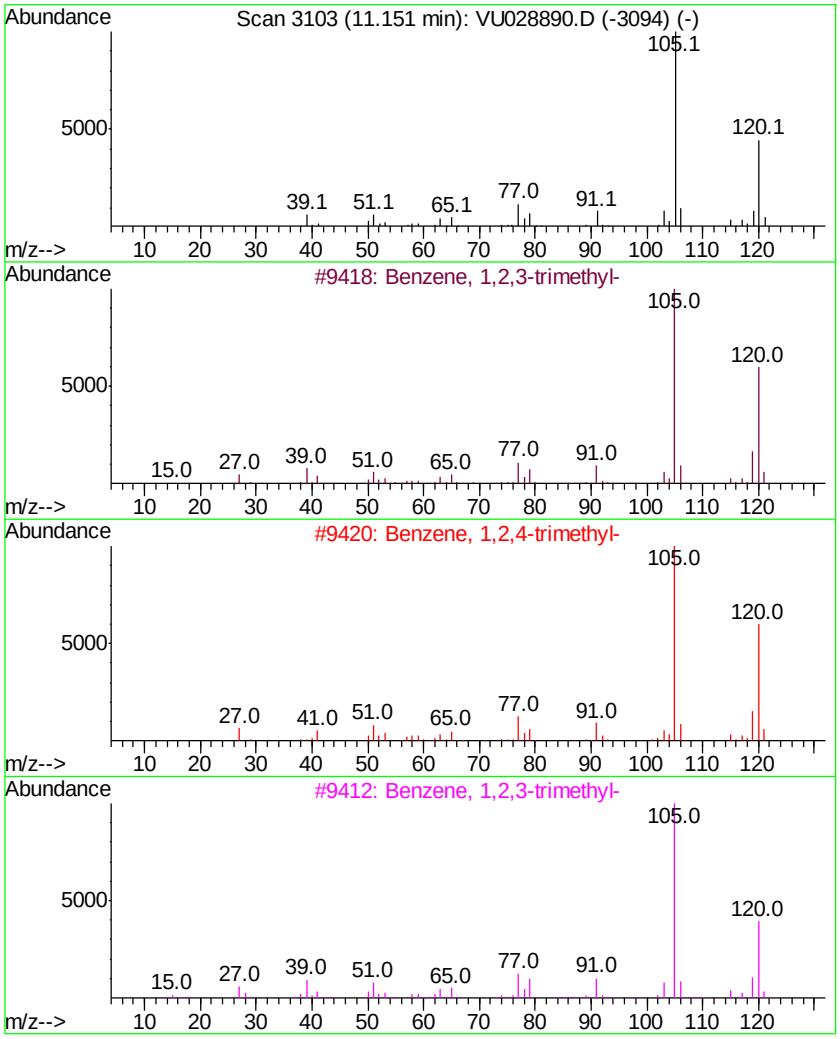
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

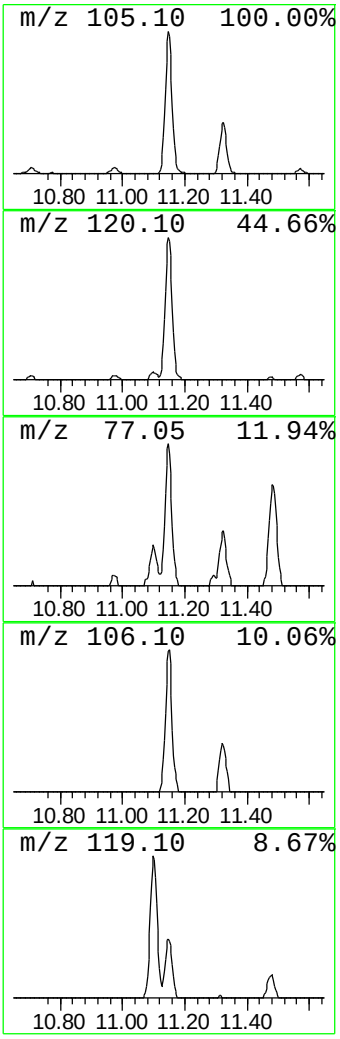
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	9.11 ug/L	81774	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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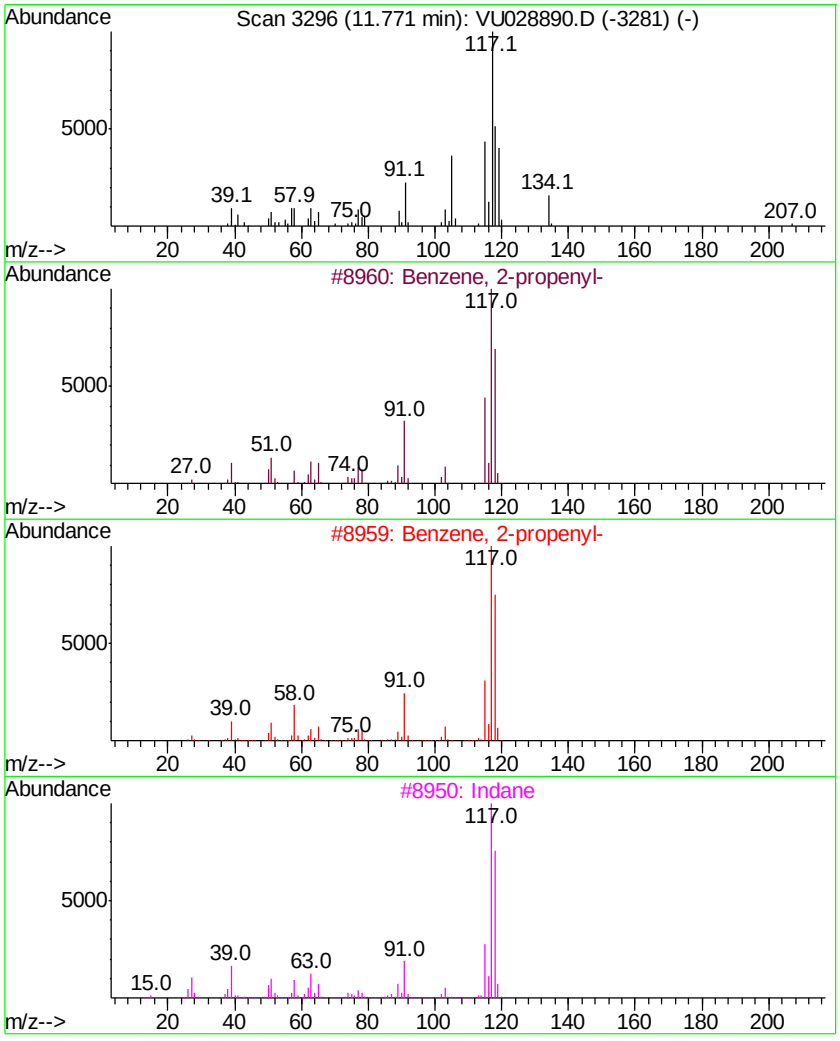
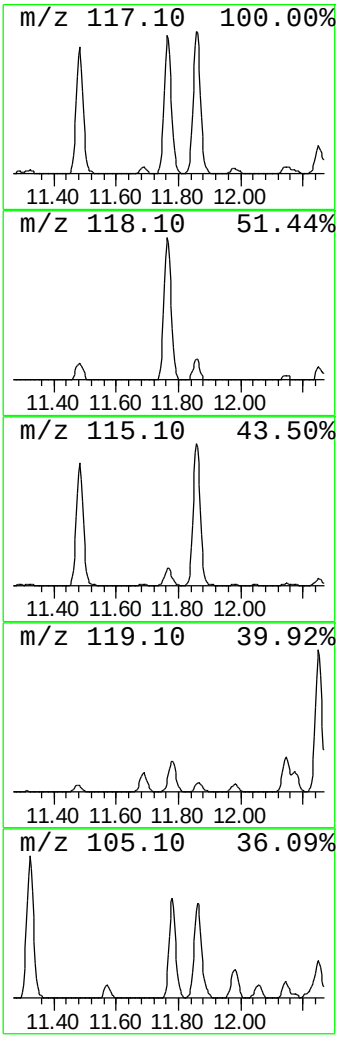
Peak Number 11 Benzene, 2-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	9.12 ug/L	81836	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
3	Indane	118	C9H10	000496-11-7	55
4	Indane	118	C9H10	000496-11-7	55
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50





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Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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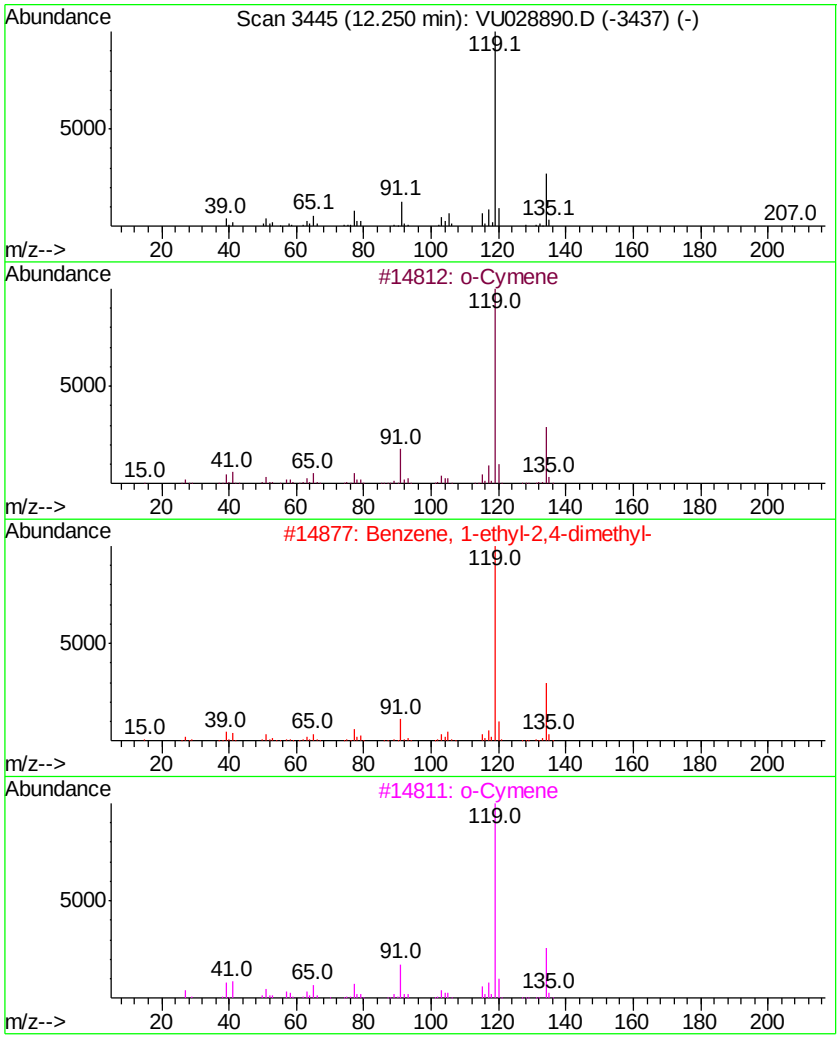
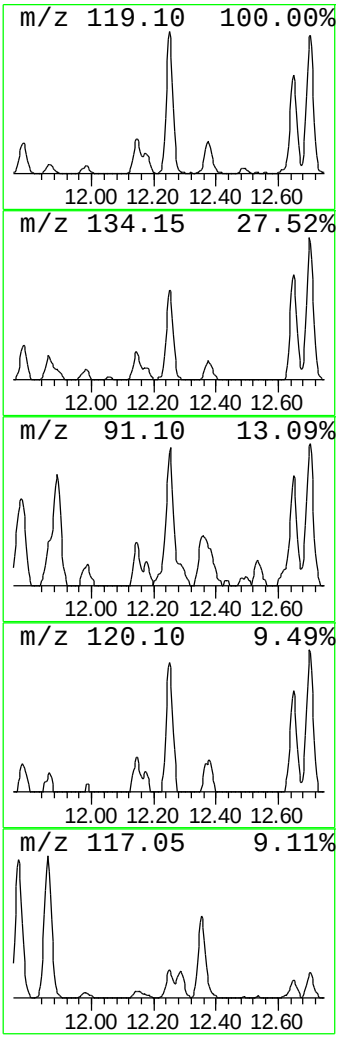
Peak Number 12 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	7.98 ug/L	71605	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

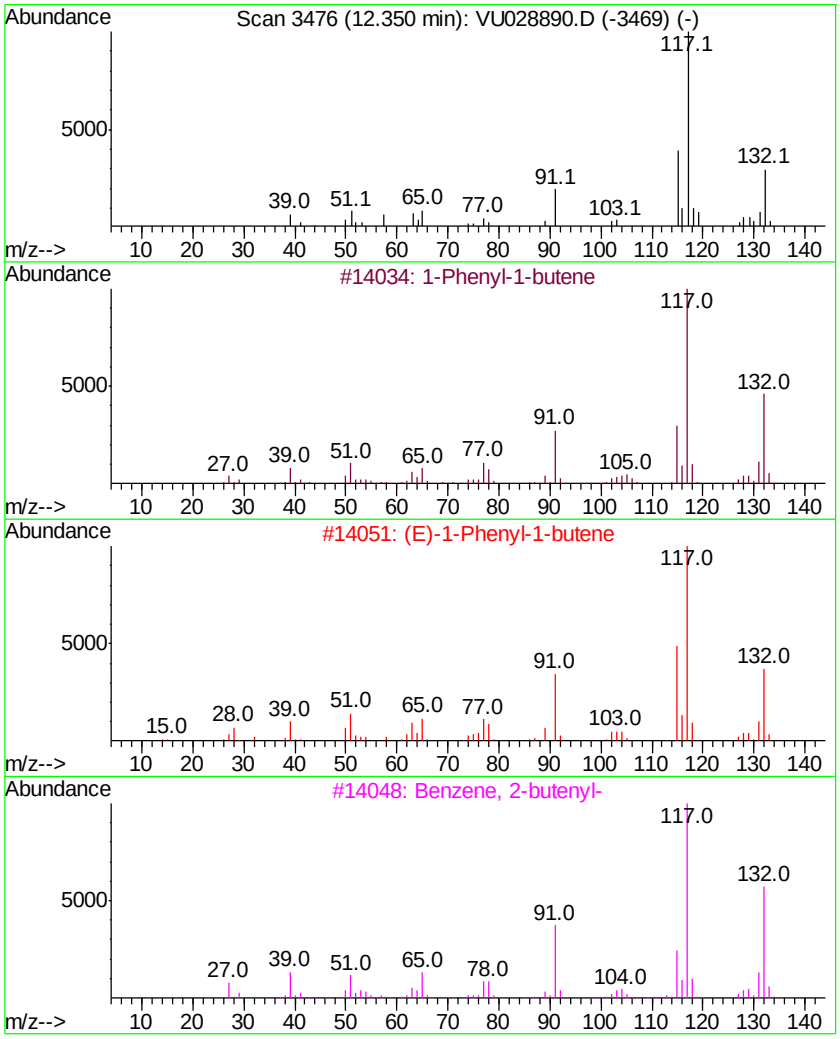
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

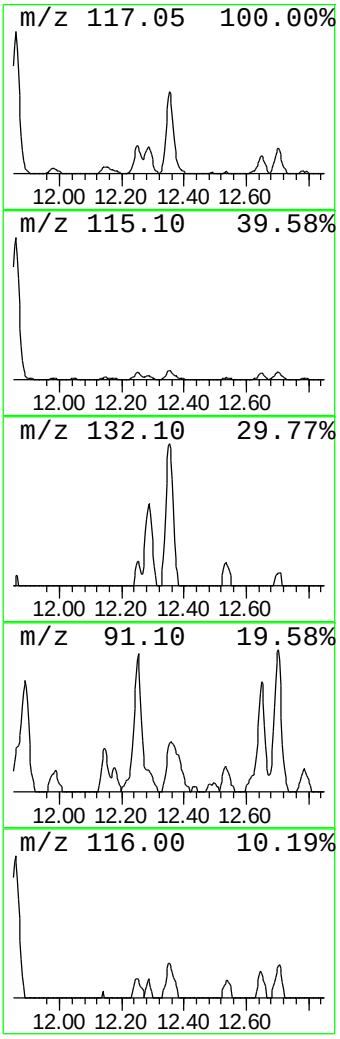
****

Peak Number 13 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.08 ug/L	45598	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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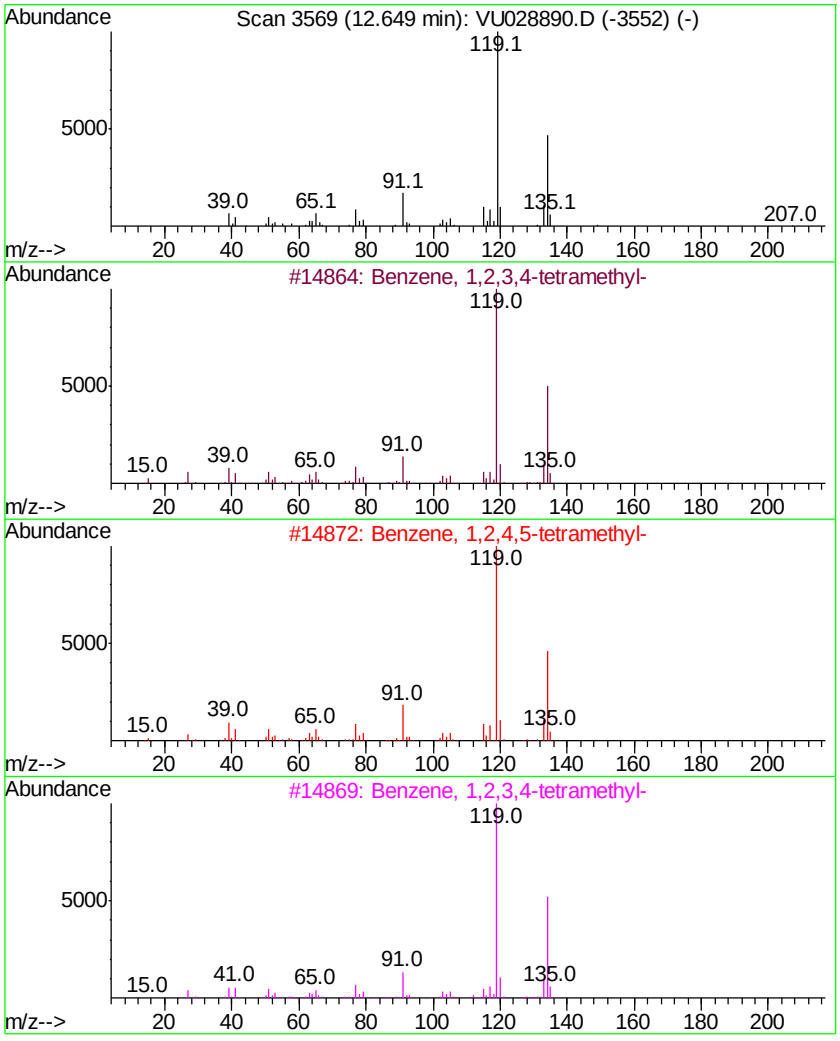
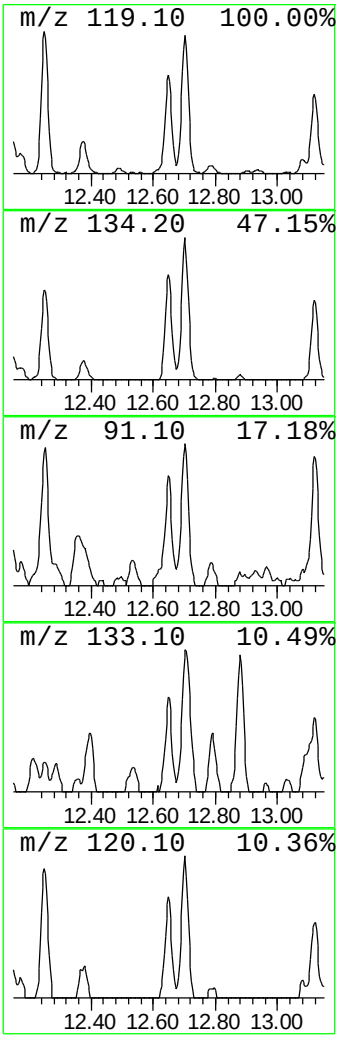
Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.52 ug/L	67487	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

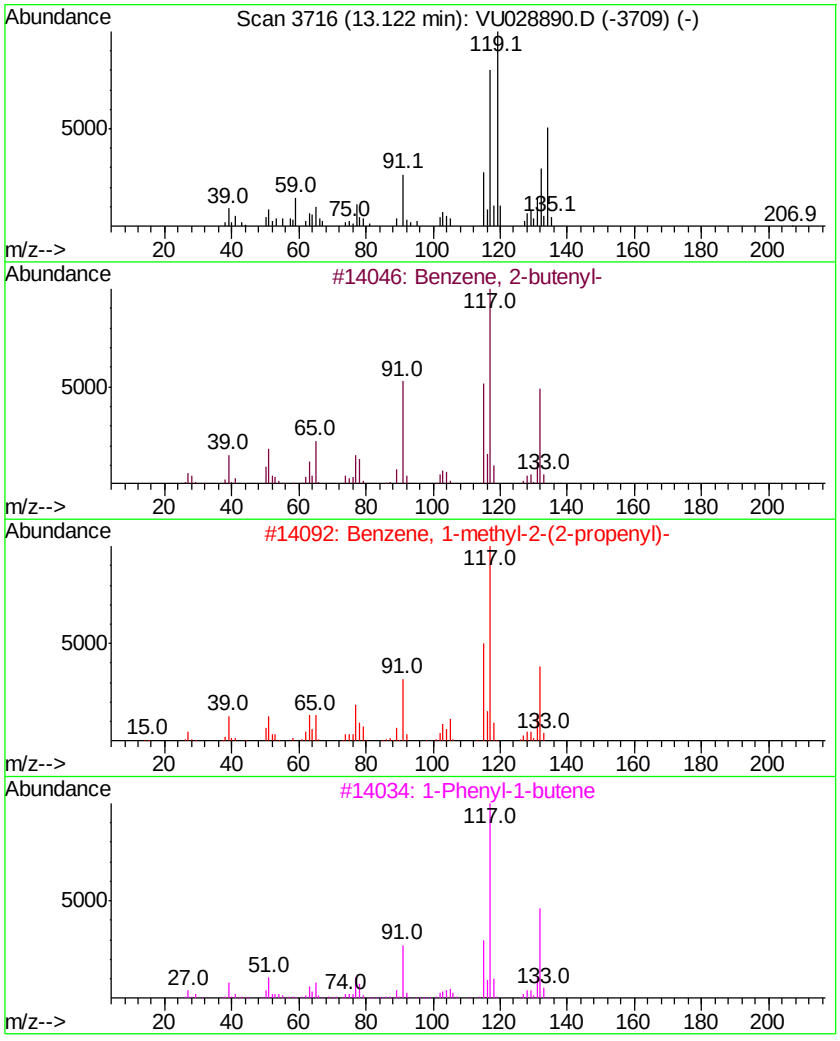
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

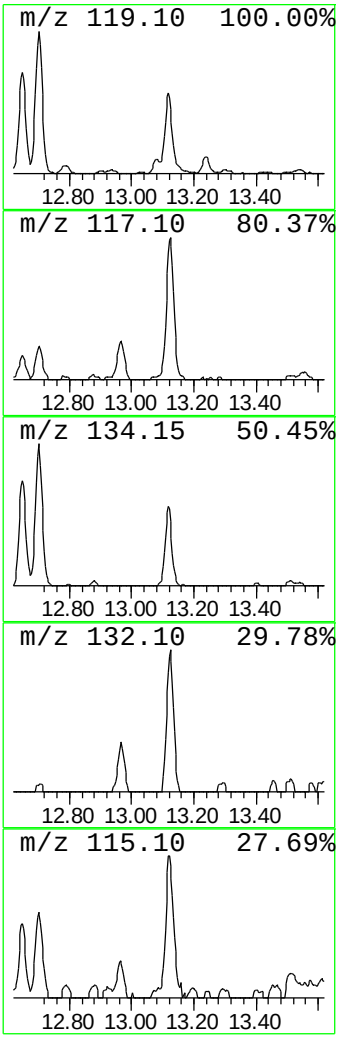
****

Peak Number 16 Benzene, 2-butenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	9.51 ug/L	85345	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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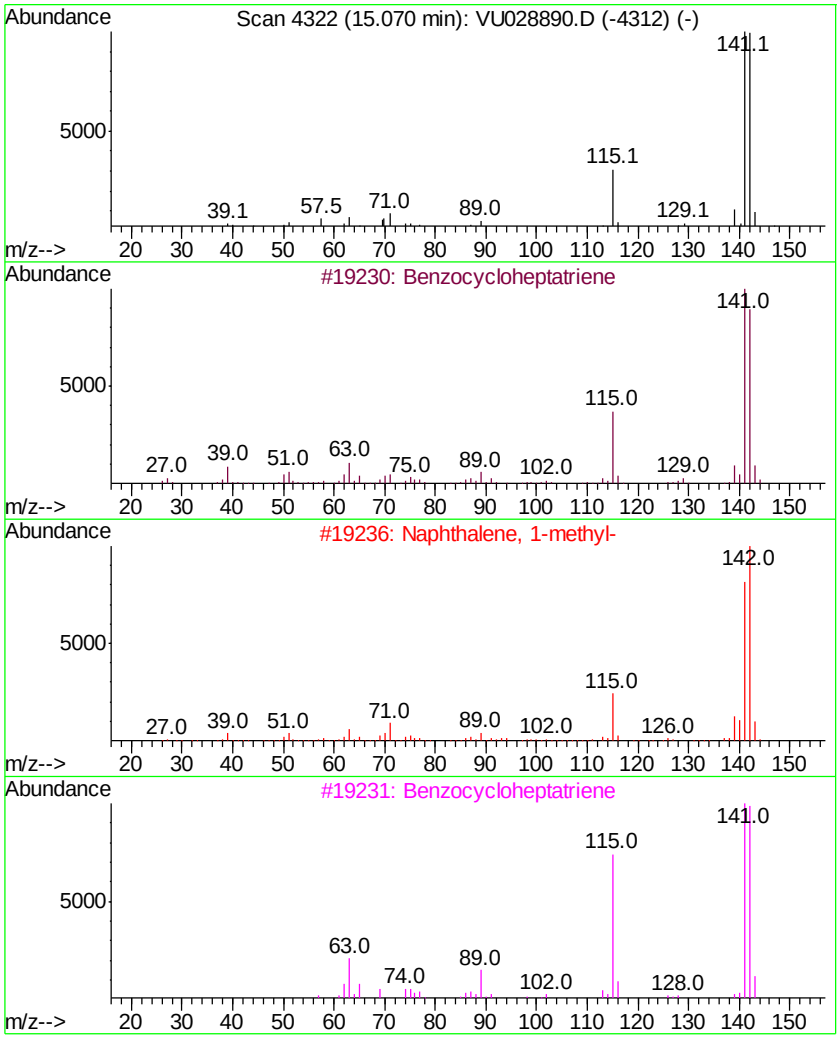
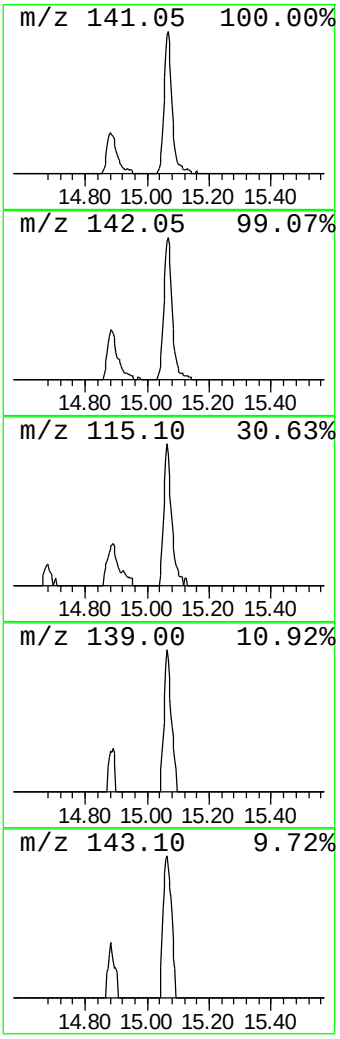
Peak Number 17 Benzocycloheptatriene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.36 ug/L	30189	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028890.D
Acq On : 21 Dec 2018 21:52
Operator : MD/SY
Sample : J6509-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETO85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.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
Ethyl ether	2.10	3.2	ug/L	24997	1	5.88	388345	50.0
(DEL) Alkane: Cyc...	7.71	3.1	ug/L	35402	2	9.09	563287	50.0
(DEL) Alkane: Cyc...	7.92	4.4	ug/L	49851	2	9.09	563287	50.0
(DEL) Alkane: Cyc...	8.04	3.4	ug/L	38535	2	9.09	563287	50.0
Thiophene, tetrah...	8.46	3.4	ug/L	38076	2	9.09	563287	50.0
Cyclopentene, 1-e...	9.37	3.1	ug/L	35492	2	9.09	563287	50.0
Benzene, propyl-	10.59	7.3	ug/L	65368	3	11.48	448733	50.0
Benzene, tert-butyl-	11.10	3.1	ug/L	27933	3	11.48	448733	50.0
Benzene, 1,2,3-tr...	11.15	9.1	ug/L	81774	3	11.48	448733	50.0
Benzene, 2-propenyl-	11.77	9.1	ug/L	81836	3	11.48	448733	50.0
o-Cymene	12.25	8.0	ug/L	71605	3	11.48	448733	50.0
1-Phenyl-1-butene	12.35	5.1	ug/L	45598	3	11.48	448733	50.0
Benzene, 1,2,3,4-...	12.65	7.5	ug/L	67487	3	11.48	448733	50.0
Benzene, 2-butenyl-	13.12	9.5	ug/L	85345	3	11.48	448733	50.0
Benzocycloheptatr...	15.07	3.4	ug/L	30189	3	11.48	448733	50.0