LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

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\SOMULM100518WMA.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	1.398	64	70	79	rBV	81746	87761	13.39%	1.028%
2	1.681	151	158	173	rVB	64429	85797	13.09%	1.005%
3	2.273	331	342	353	rBV	126577	191782	29.25%	2.247%
4	2.389	375	378	382	rVB3	445	340	0.05%	0.004%
5	2.447	385	396	414	rVV2	8381	15841	2.42%	0.186%
6	2.678	466	468	471	rBV	309	236	0.04%	0.003%
7	2.836	510	517	519	rBV2	733	873	0.13%	0.010%
8	2.874	527	529	538	rVB2	209	204	0.03%	0.002%
9	3.038	575	580	581	rBV	203	190	0.03%	0.002%
10	3.048	581	583	589	rVB2	313	242	0.04%	0.003%
11	4.180	918	935	969	rBV	81669	223803	34.14%	2.622%
12	4.649	1065	1081	1107	rBV	108964	257874	39.33%	3.021%
13	4.768	1117	1118	1123	rVB	432	227	0.03%	0.003%
14	4.881	1150	1153	1154	rBV	350	197	0.03%	0.002%
15	5.344	1273	1297	1308	rBV2	215048	655627	100.00%	7.681%
16	5.536	1351	1357	1362	rBV3	340	478	0.07%	0.006%
17	5.639	1384	1389	1393	rBV	301	288	0.04%	0.003%
18	5.794	1430	1437	1438	rBV2	598	581	0.09%	0.007%
19	5.890	1452	1467	1497	rBV	226316	452911	69.08%	5.306%
20	6.331	1582	1604	1635	rBV	158384	363787	55.49%	4.262%
21	6.437	1635	1637	1639	rVV	374	188	0.03%	0.002%
22	6.459	1640	1644	1647	rVV	306	264	0.04%	0.003%
23	6.527	1655	1665	1675	rVB3	1665	2811	0.43%	0.033%
24	6.646	1698	1702	1704	rBV	282	225	0.03%	0.003%
25	6.803	1747	1751	1755	rBV2	340	312	0.05%	0.004%
26	6.868	1765	1771	1778	rVB3	741	1137	0.17%	0.013%
27	6.903	1778	1782	1787	rBV2	236	336	0.05%	0.004%
28	7.099	1840	1843	1848	rVV	219	198	0.03%	0.002%
29	7.131	1850	1853	1857	rVV	247	205	0.03%	0.002%
30	7.231	1872	1884	1905	rBV	80164	144929	22.11%	1.698%
31	7.392	1929	1934	1938	rVB4	316	338	0.05%	0.004%
32	7.475	1956	1960	1963	rVB3	334	268	0.04%	0.003%
33	7.569	1976	1989	2001	rBV	265479	465047	70.93%	5.448%
34	7.639	2002	2011	2025	rVB	81992	141943	21.65%	1.663%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

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\SOMULM100518WMA.M
Title : VOC Analysis

35	7.774	2046	2053	2056	rBV2	527	571	0.09%	0.007%
36	7.851	2066	2077	2097	rBV	58008	99555	15.18%	1.166%
37	7.945	2102	2106	2116	rVB3	619	1019	0.16%	0.012%
38	8.083	2140	2149	2159	rVV	3339	5187	0.79%	0.061%
39	8.183	2169	2180	2187	rBV3	2695	5167	0.79%	0.061%
40	8.311	2209	2220	2255	rVB	271010	464396	70.83%	5.441%
41	8.462	2261	2267	2270	rBV4	1479	1752	0.27%	0.021%
42	8.620	2311	2316	2320	rBV	206	213	0.03%	0.002%
43	8.655	2320	2327	2331	rVB2	334	402	0.06%	0.005%
44	8.803	2370	2373	2382	rBV2	225	331	0.05%	0.004%
45	8.842	2382	2385	2387	rBV2	218	186	0.03%	0.002%
46	8.951	2407	2419	2430	rVB3	1257	2437	0.37%	0.029%
47	9.041	2436	2447	2451	rBV4	4955	8014	1.22%	0.094%
48	9.089	2451	2462	2485	rVB	326799	565985	86.33%	6.631%
49	9.208	2497	2499	2502	rVB	398	211	0.03%	0.002%
50	9.253	2502	2513	2524	rBV2	41525	72804	11.10%	0.853%
51	9.379	2542	2552	2564	rBV	14773	23450	3.58%	0.275%
52	9.446	2564	2573	2590	rVB2	5878	10420	1.59%	0.122%
53	9.594	2617	2619	2623	rVB	342	249	0.04%	0.003%
54	9.649	2633	2636	2637	rBV	384	222	0.03%	0.003%
55	9.781	2662	2677	2694	rBV4	21355	38021	5.80%	0.445%
56	9.858	2698	2701	2707	rVB	214	250	0.04%	0.003%
57	9.900	2707	2714	2718	rBV4	1160	1218	0.19%	0.014%
58	9.951	2727	2730	2732	rBV	454	284	0.04%	0.003%
59	10.028	2749	2754	2755	rBV	314	194	0.03%	0.002%
60	10.044	2755	2759	2760	rVV	744	591	0.09%	0.007%
61	10.080	2762	2770	2778	rVV4	5086	8552	1.30%	0.100%
62	10.138	2778	2788	2809	rVB6	11605	28781	4.39%	0.337%
63	10.314	2828	2843	2853	rBV4	11389	21582	3.29%	0.253%
64	10.369	2854	2860	2868	rBV3	6203	8429	1.29%	0.099%
65	10.433	2868	2880	2894	rBV	243662	395689	60.35%	4.636%
66	10.540	2908	2913	2915	rBV3	1197	1108	0.17%	0.013%
67	10.581	2916	2926	2928	rBV3	24645	34227	5.22%	0.401%
68	10.613	2930	2936	2945	rVB	65223	97435	14.86%	1.142%
69	10.671	2947	2954	2960	rVV4	16655	25113	3.83%	0.294%
70	10.810	2992	2997	3008	rVB4	1604	2591	0.40%	0.030%
71	10.906	3020	3027	3038	rVB6	5912	9680	1.48%	0.113%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

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\SOMULM100518WMA.M
Title : VOC Analysis

72	10.977	3038	3049	3050	rBV	27803	34424	5.25%	0.403%
73	11.147	3081	3102	3113	rBV2	38567	82979	12.66%	0.972%
74	11.215	3115	3123	3133	rVB2	33046	51970	7.93%	0.609%
75	11.276	3134	3142	3150	rBV3	16216	25384	3.87%	0.297%
76	11.356	3154	3167	3178	rVB6	25709	61704	9.41%	0.723%
77	11.421	3179	3187	3190	rBV5	8537	13699	2.09%	0.160%
78	11.485	3197	3207	3219	rVB	332793	543833	82.95%	6.372%
79	11.568	3221	3233	3236	rBV7	48700	88763	13.54%	1.040%
80	11.765	3281	3294	3302	rBV4	71899	153886	23.47%	1.803%
81	11.819	3303	3311	3316	rVV4	82388	137408	20.96%	1.610%
82	11.861	3316	3324	3340	rVB	310891	503456	76.79%	5.898%
83	11.980	3351	3361	3367	rBV2	101278	163167	24.89%	1.912%
84	12.118	3397	3404	3415	rVB2	42985	63631	9.71%	0.745%
85	12.289	3451	3457	3460	rBV3	11199	14294	2.18%	0.167%
86	12.388	3479	3488	3496	rBV4	137682	221014	33.71%	2.589%
87	12.523	3524	3530	3541	rBV4	41333	92430	14.10%	1.083%
88	12.591	3542	3551	3560	rVB6	128367	223956	34.16%	2.624%
89	12.694	3572	3583	3589	rBV4	137082	297829	45.43%	3.489%
90	12.893	3638	3645	3652	rBV8	16865	33377	5.09%	0.391%
91	13.089	3699	3706	3710	rBV4	23408	32929	5.02%	0.386%
92	13.131	3712	3719	3728	rVV5	59904	106396	16.23%	1.247%
93	13.186	3729	3736	3752	rVB	51527	88991	13.57%	1.043%
94	13.289	3760	3768	3783	rVB5	89767	167541	25.55%	1.963%
95	13.395	3794	3801	3809	rVB3	36788	53293	8.13%	0.624%
96	13.903	3951	3959	3970	rVB	98048	152662	23.28%	1.789%
97	14.002	3985	3990	3999	rVB2	30856	43188	6.59%	0.506%
98	15.063	4311	4320	4330	rBV2	28450	45019	6.87%	0.527%
99	15.404	4421	4426	4433	rVB8	1921	2854	0.44%	0.033%
100	16.057	4627	4629	4639	rVB3	1582	1714	0.26%	0.020%

Sum of corrected areas: 8535347

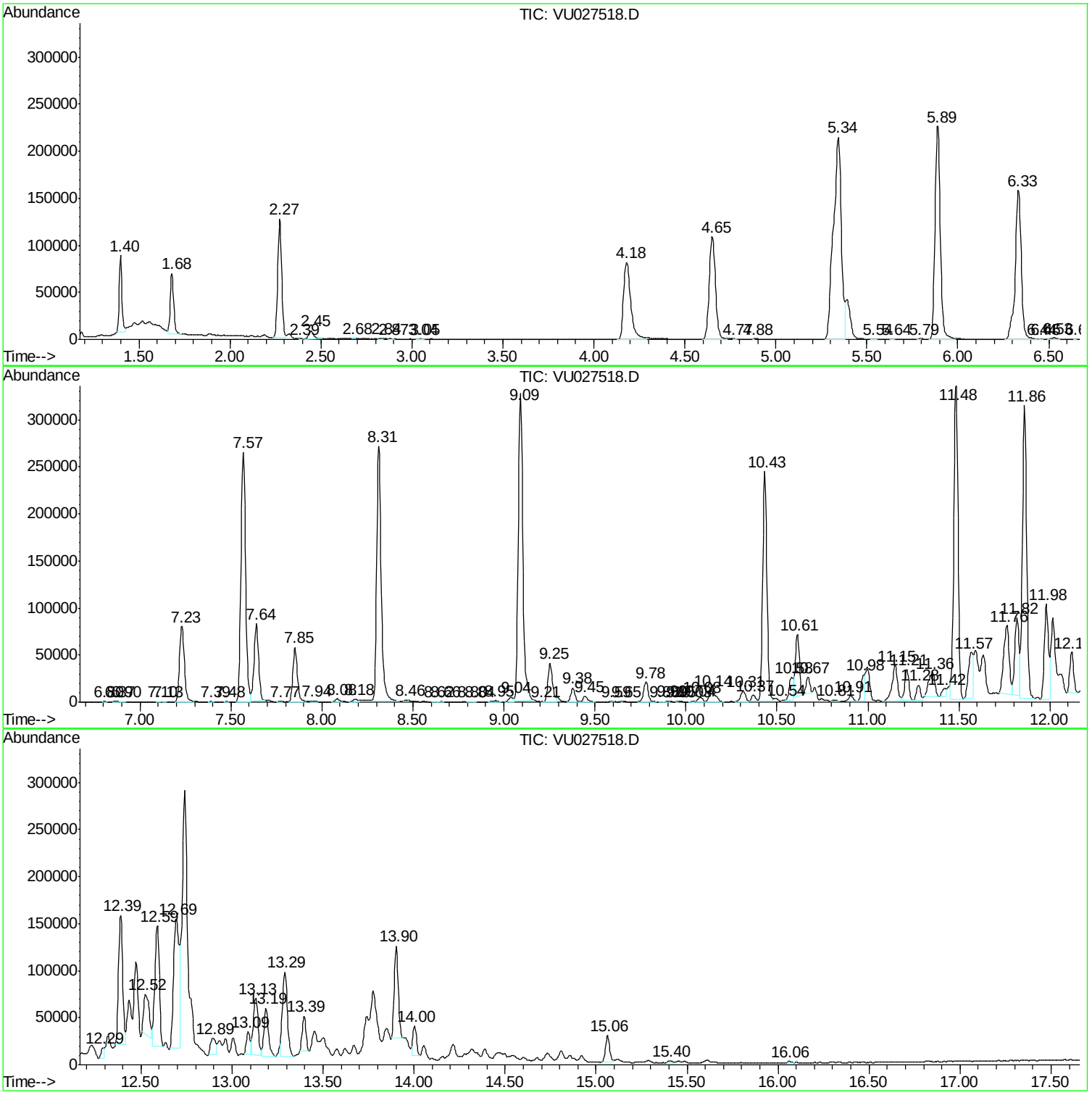
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

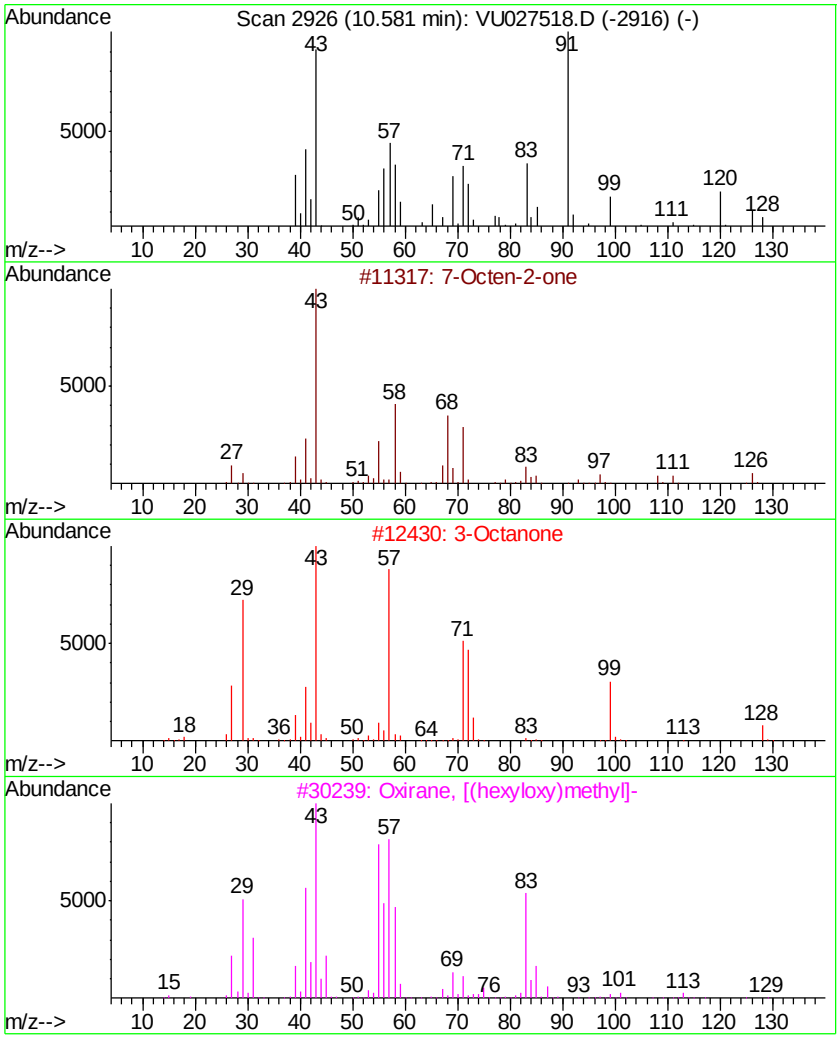
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

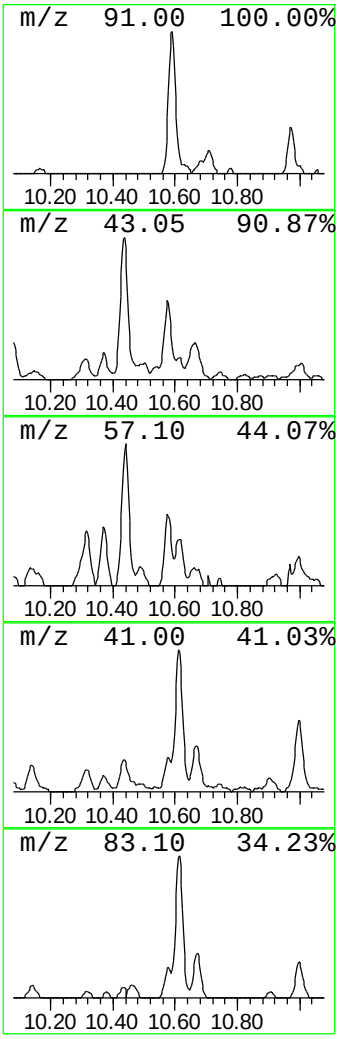
****

Peak Number 2 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	3.15 ug/L	34227	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-one	126	C8H14O	003664-60-6	27
2	3-Octanone	128	C8H16O	000106-68-3	22
3	Oxirane, [(hexyloxy)methyl]-	158	C9H18O2	005926-90-9	22
4	3-Octanone	128	C8H16O	000106-68-3	22
5	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

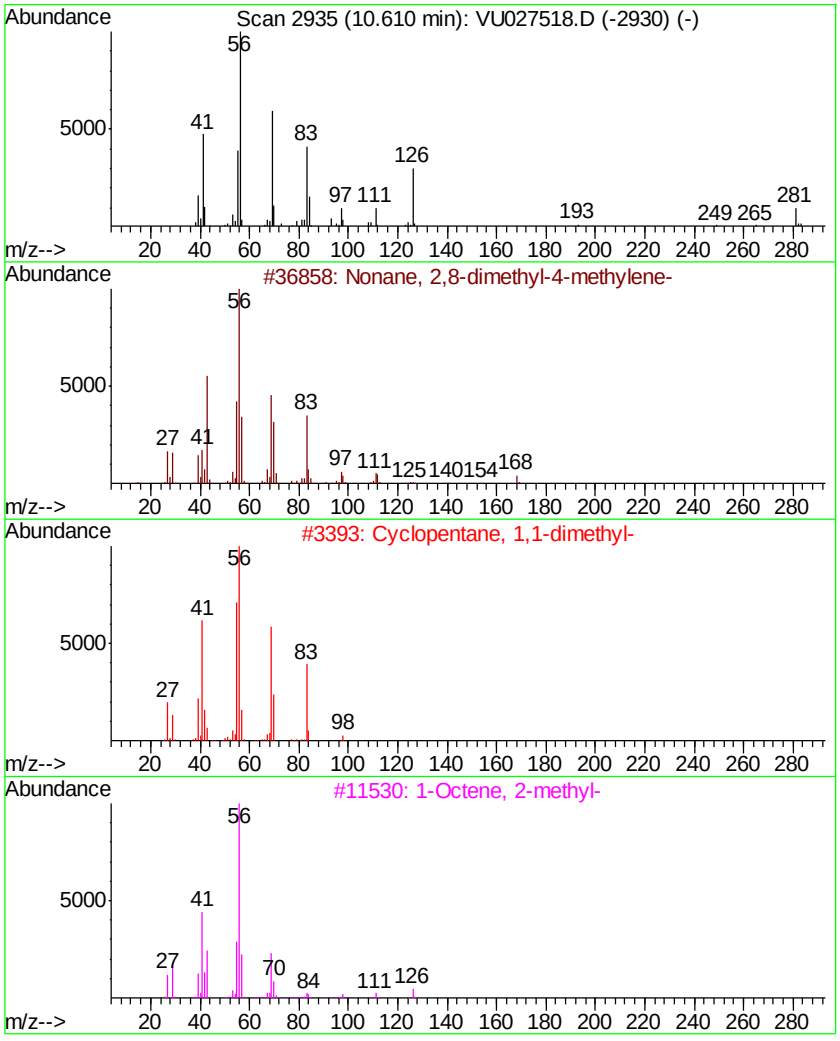
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

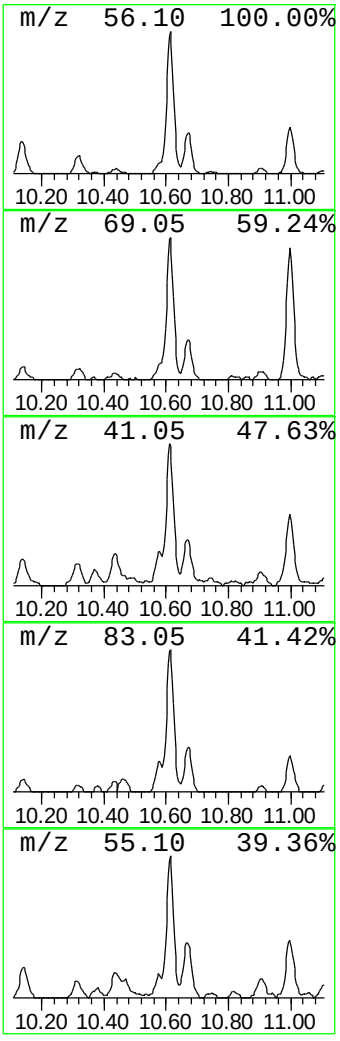
****

Peak Number 3 (DEL) Alkane: Cyclic10.61 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	8.96 ug/L	97435	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,8-dimethyl-4-methylene-	168	C12H24	007323-15-1	59
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50
3	1-Octene, 2-methyl-	126	C9H18	004588-18-5	47
4	2-Methyl-1-tetradecene	210	C15H30	052254-38-3	40
5	Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-05-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

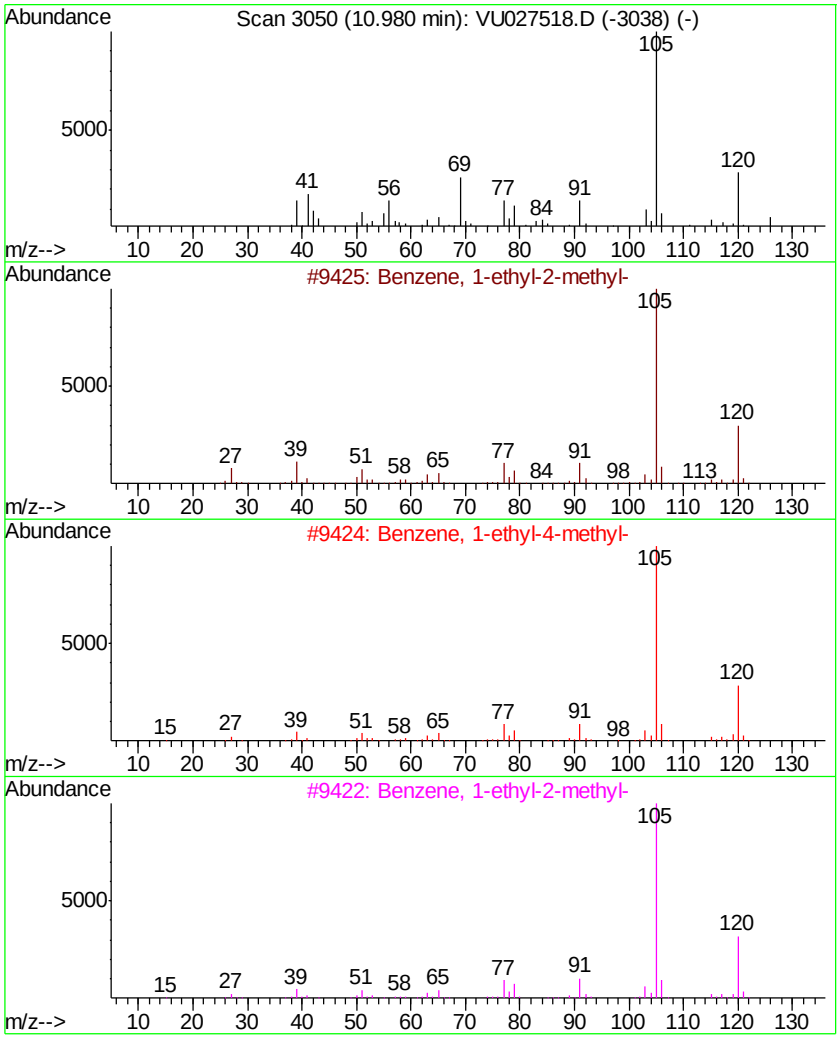
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

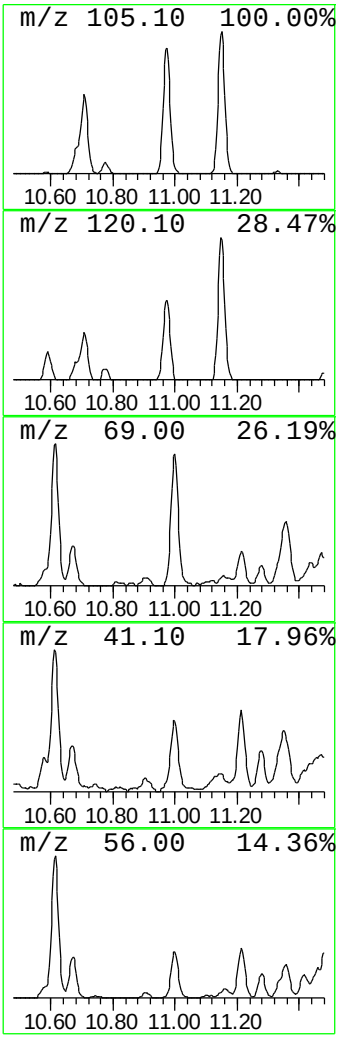
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	3.16 ug/L	34424	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Mesitylene	120	C9H12	000108-67-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

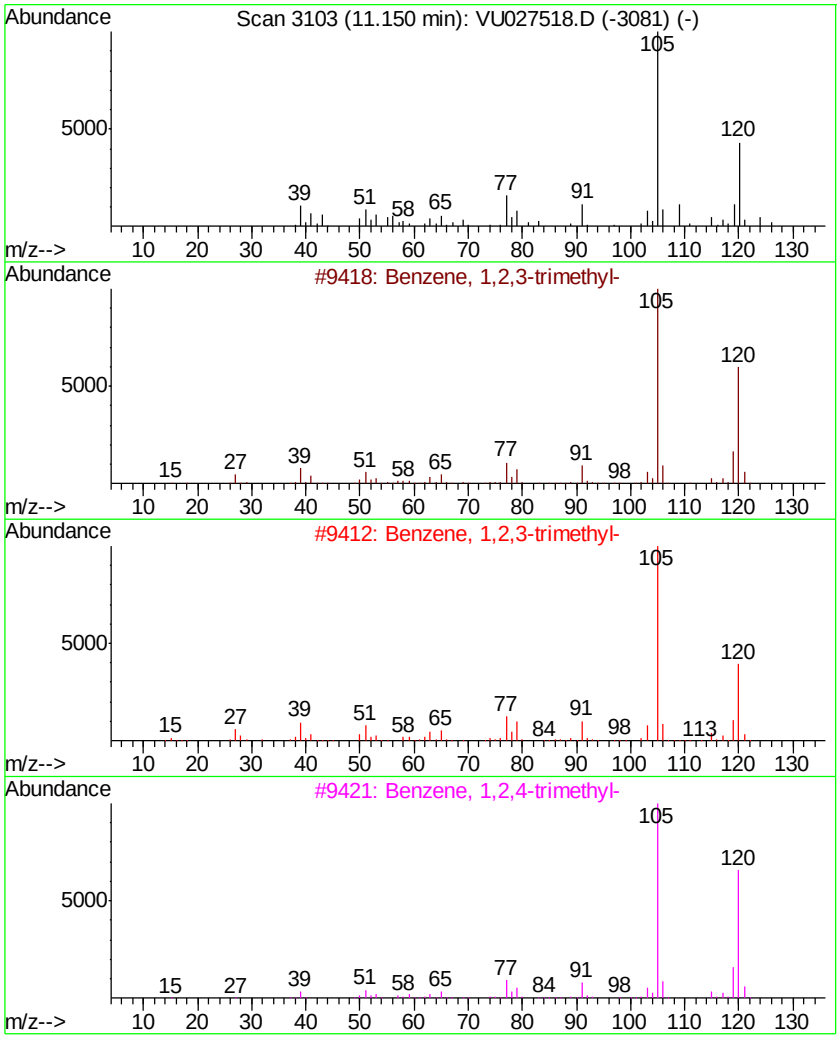
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

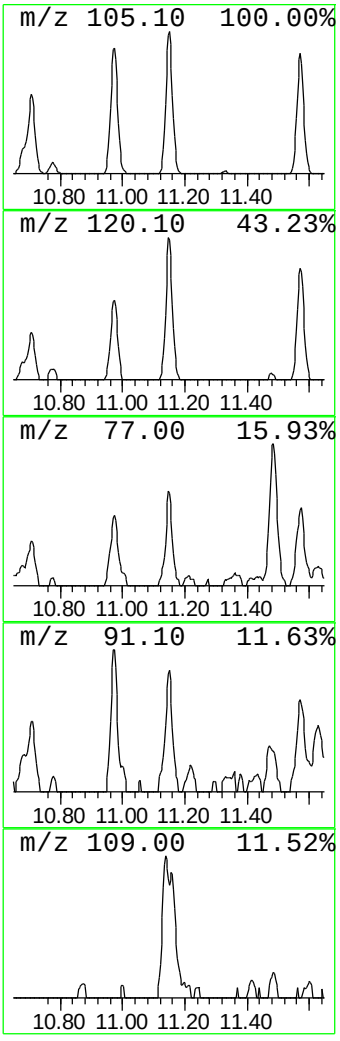
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	7.63 ug/L	82979	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Mesitylene	120	C9H12	000108-67-8	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\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

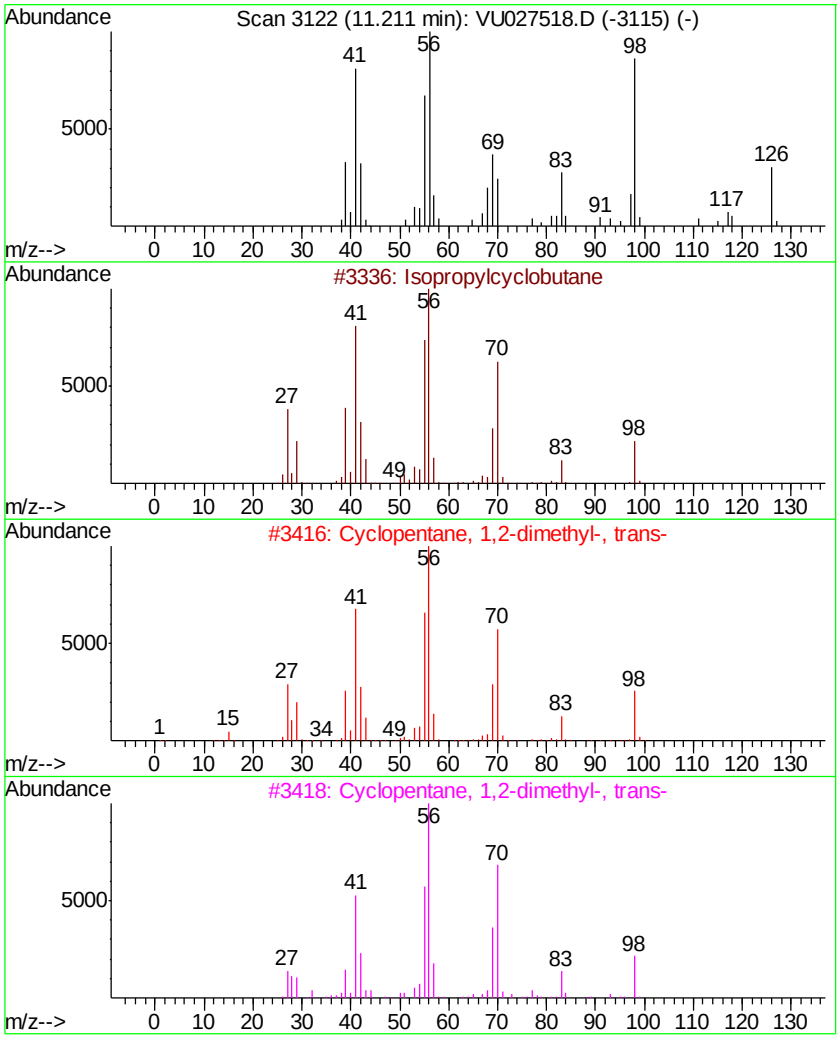
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

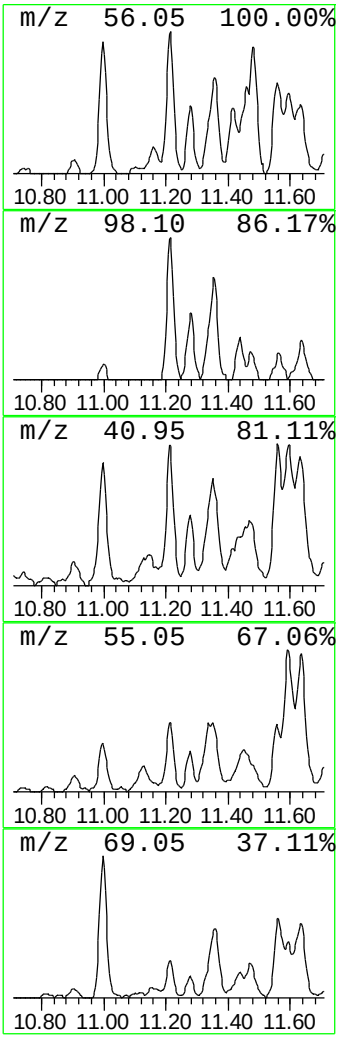
****

Peak Number 6 (DEL) Alkane: Cyclic11.21 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	4.78 ug/L	51970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	70
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	62
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58
4	1-Heptene	98	C7H14	000592-76-7	53
5	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

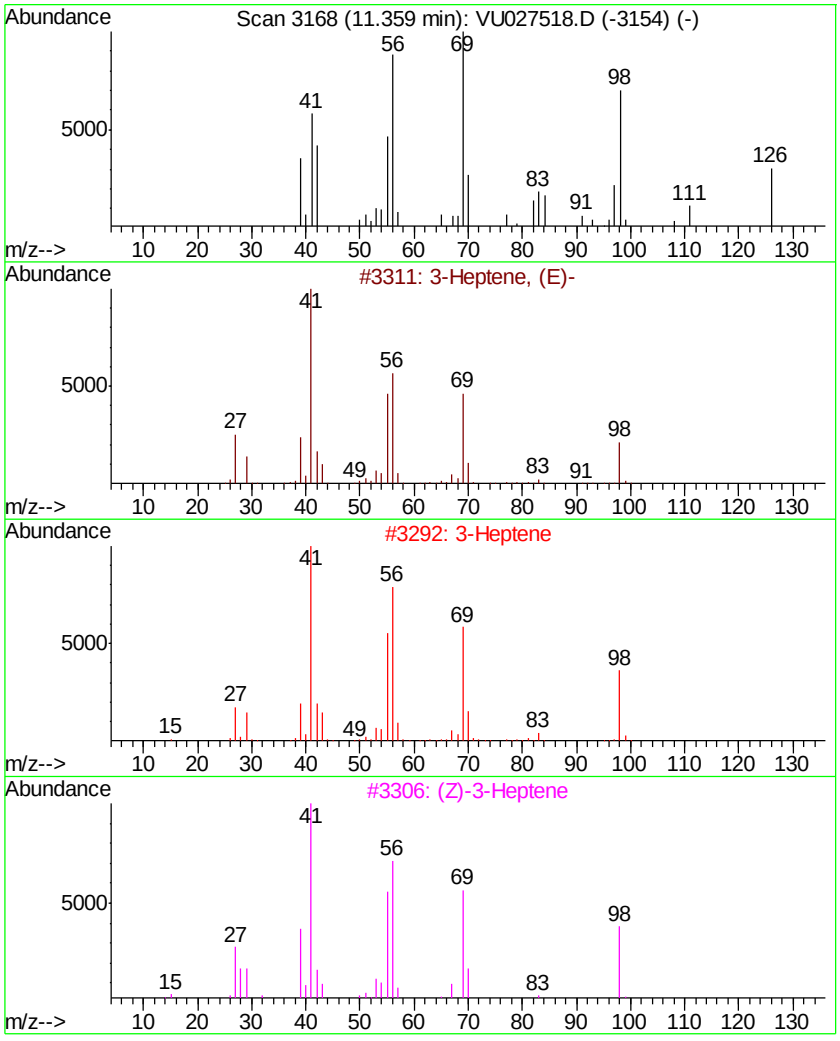
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

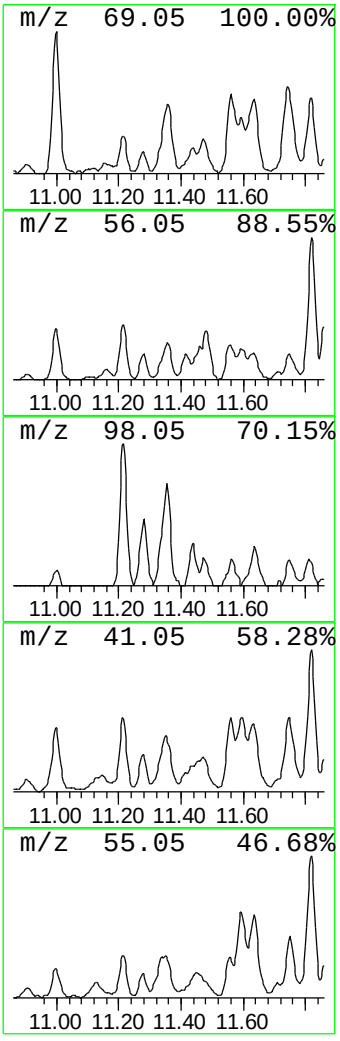
****

Peak Number 7 (DEL) Alkane: Cyclic11.36 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	5.67 ug/L	61704	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, (E)-	98	C7H14	014686-14-7	64
2	3-Heptene	98	C7H14	000592-78-9	62
3	(Z)-3-Heptene	98	C7H14	007642-10-6	62
4	3-Heptene, (E)-	98	C7H14	014686-14-7	62
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52





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Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

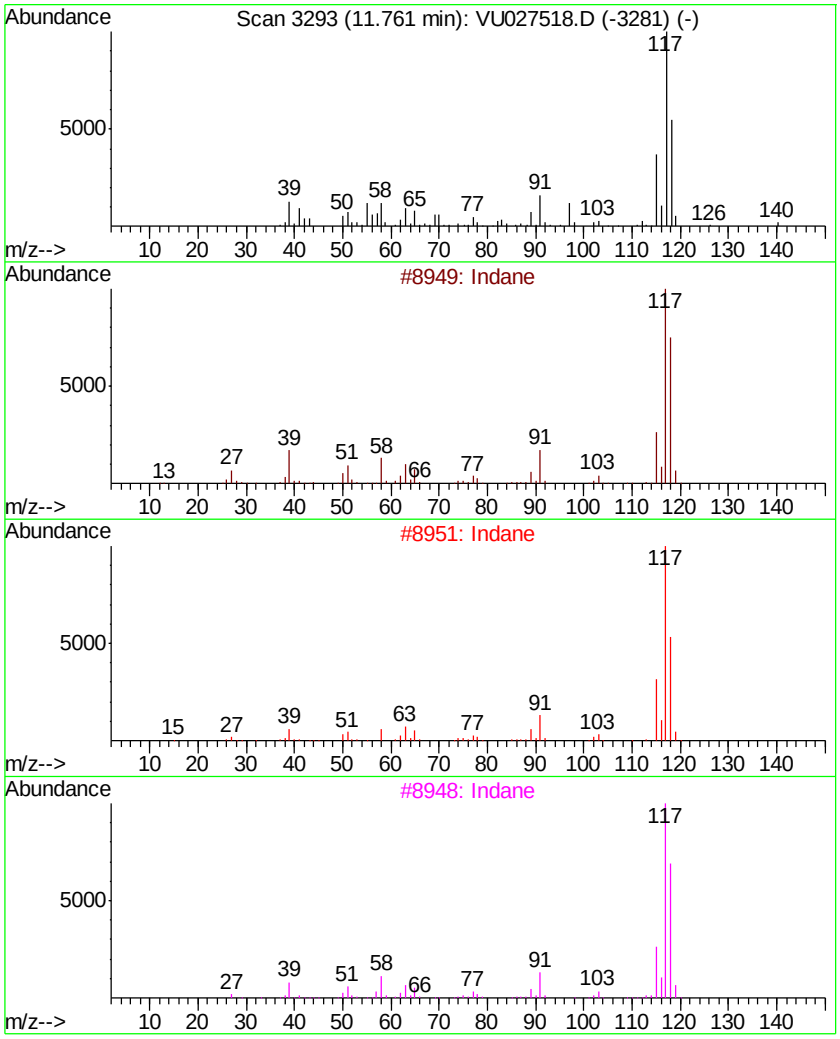
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

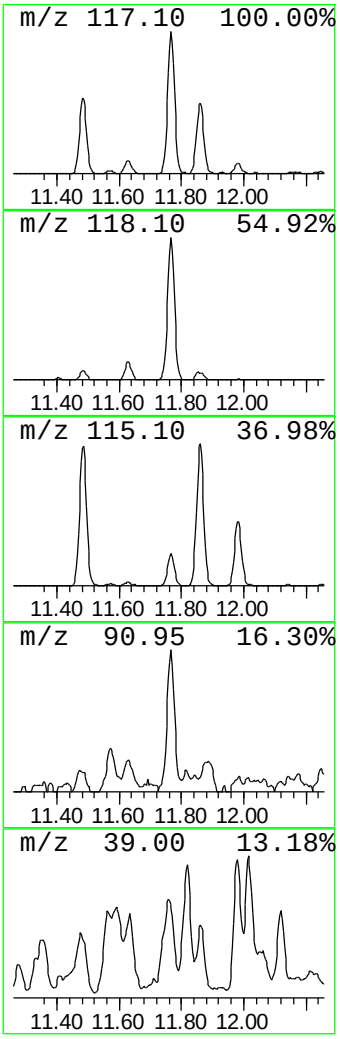
****

Peak Number 9 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	14.15 ug/L	153886	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	93
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81





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Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

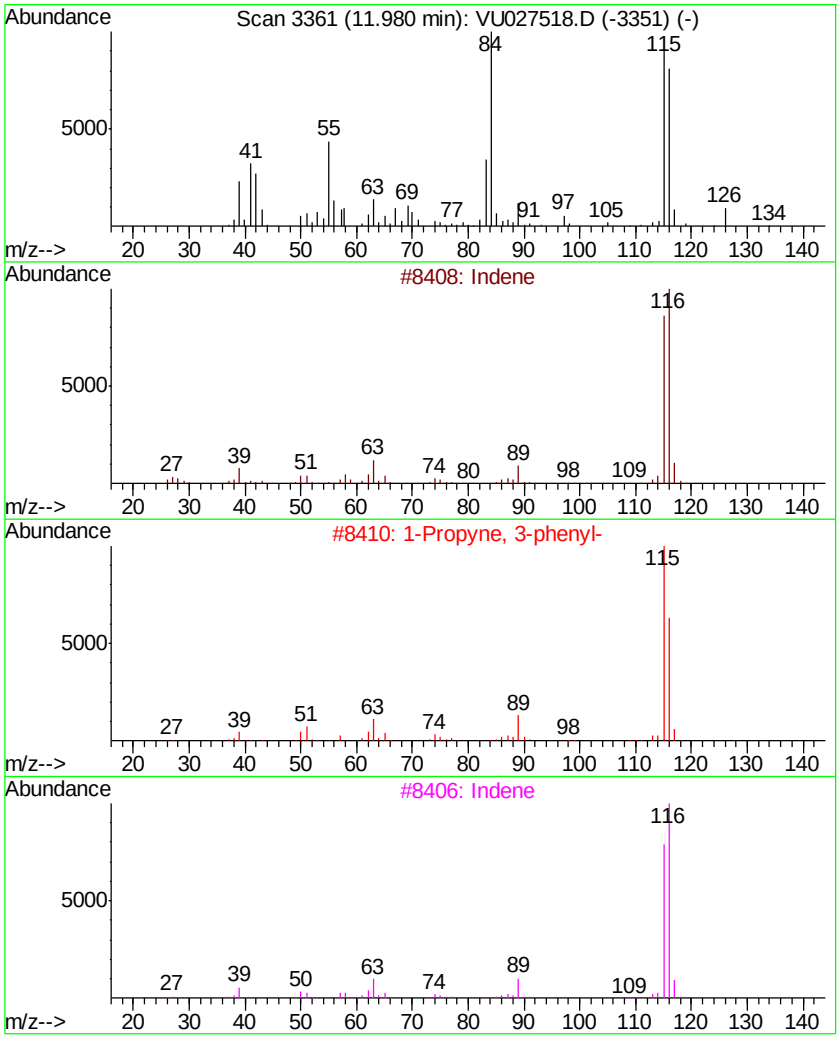
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

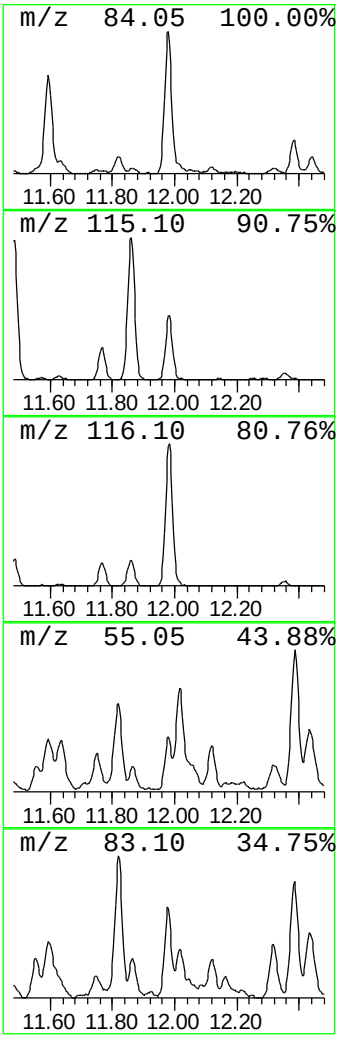
****

Peak Number 10 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	15.00 ug/L	163167	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	90
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	90
3	Indene	116	C9H8	000095-13-6	87
4	Indene	116	C9H8	000095-13-6	83
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	55





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Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

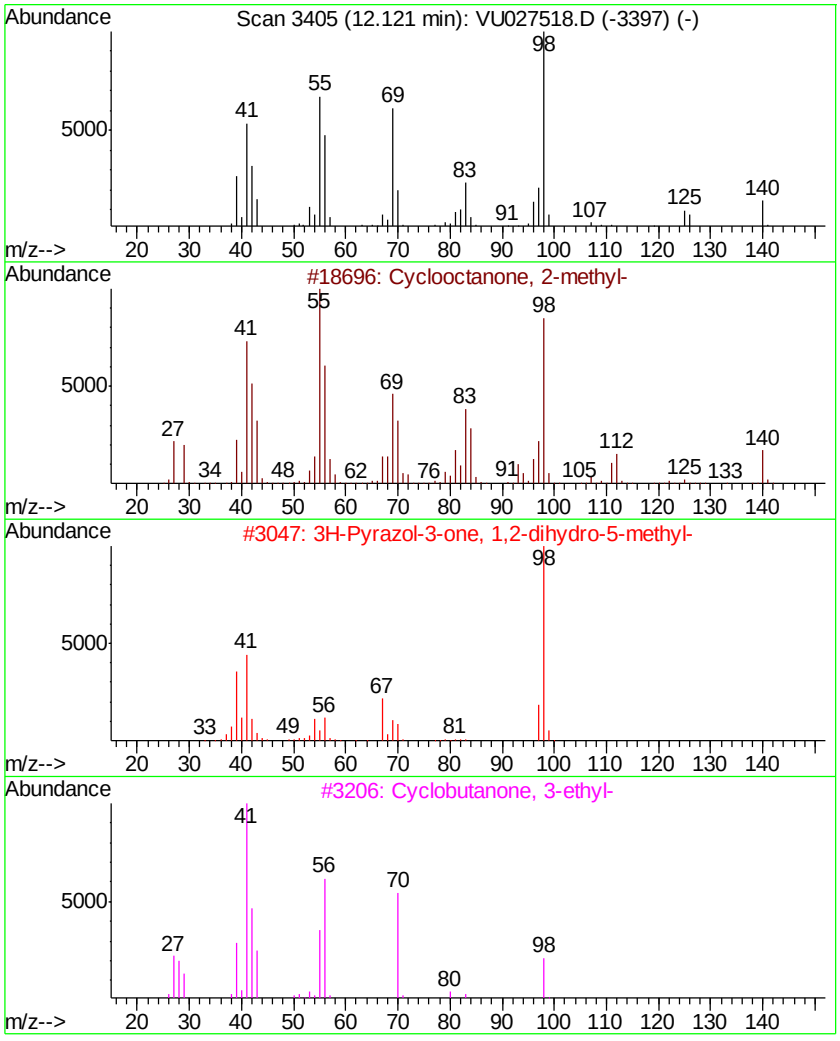
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

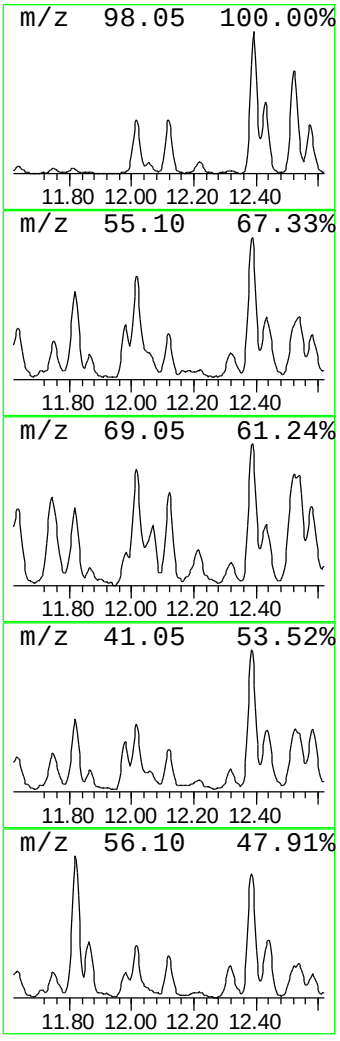
****

Peak Number 11 Cyclooctanone, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.85 ug/L	63631	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctanone, 2-methyl-	140	C9H16O	010363-27-6	58
2	3H-Pyrazol-3-one, 1,2-dihydro-5-...	98	C4H6N2O	004344-87-0	52
3	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	49
4	1,2-Cyclopentanedione	98	C5H6O2	003008-40-0	46
5	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
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Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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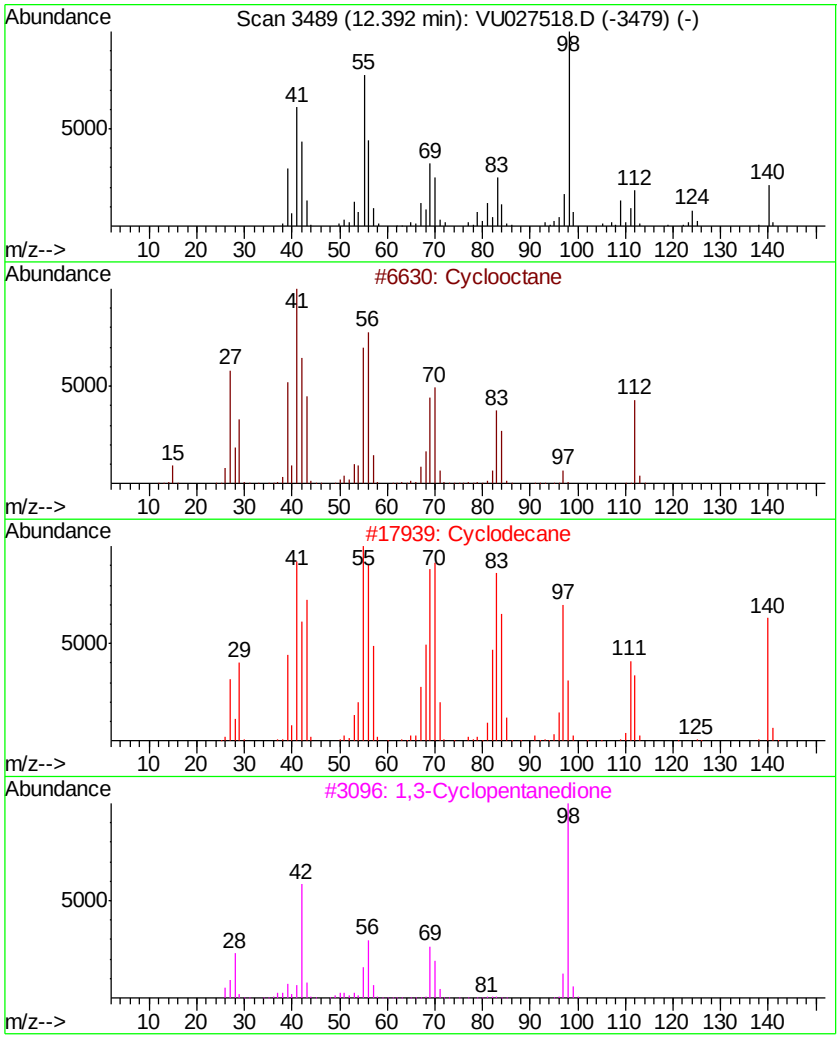
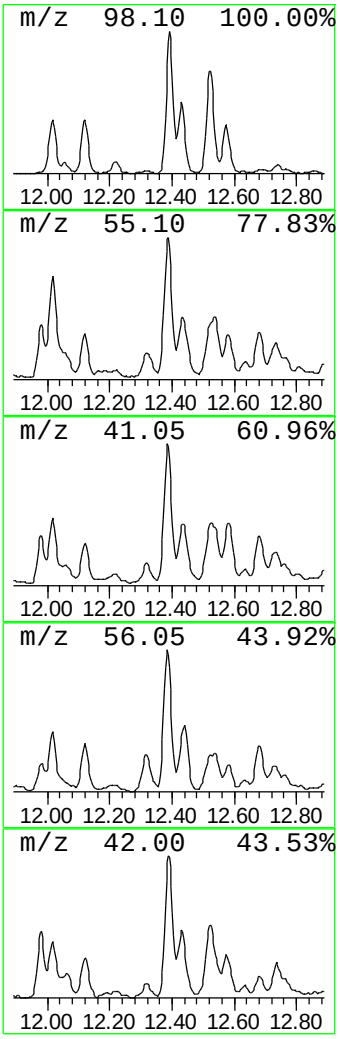
Peak Number 12 (DEL) Alkane: Cyclic12.39 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	20.32 ug/L	221014	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	95
2	Cyclodecane	140	C10H20	000293-96-9	53
3	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	52
4	Cyclooctane	112	C8H16	000292-64-8	50
5	cis-4-Decene	140	C10H20	019398-88-0	42





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Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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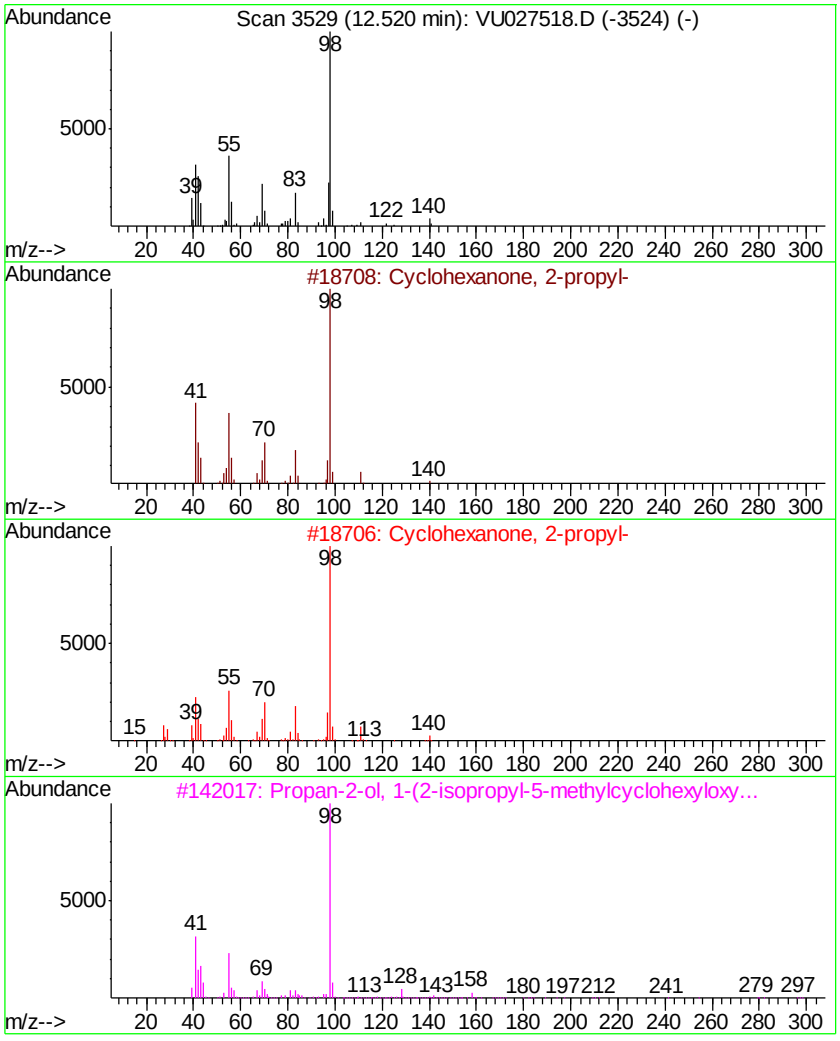
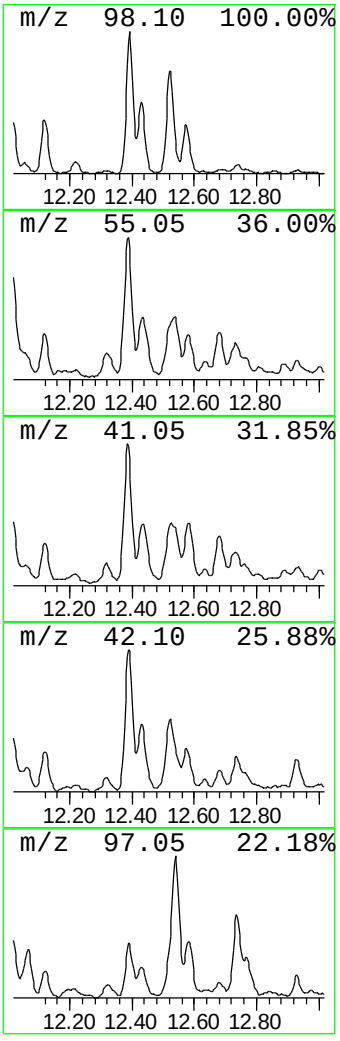
Peak Number 13 Cyclohexanone, 2-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	8.50 ug/L	92430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	80
2	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	72
3	Propan-2-ol, 1-(2-isopropyl-5-me...	297	C18H35NO2	301317-71-5	64
4	1H-Tetrazaborole, 4,5-dihydro-1,...	98	C2H7BN4	006982-51-0	59
5	1,2-Cyclopentanedione	98	C5H6O2	003008-40-0	53





Library Search Compound Report

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Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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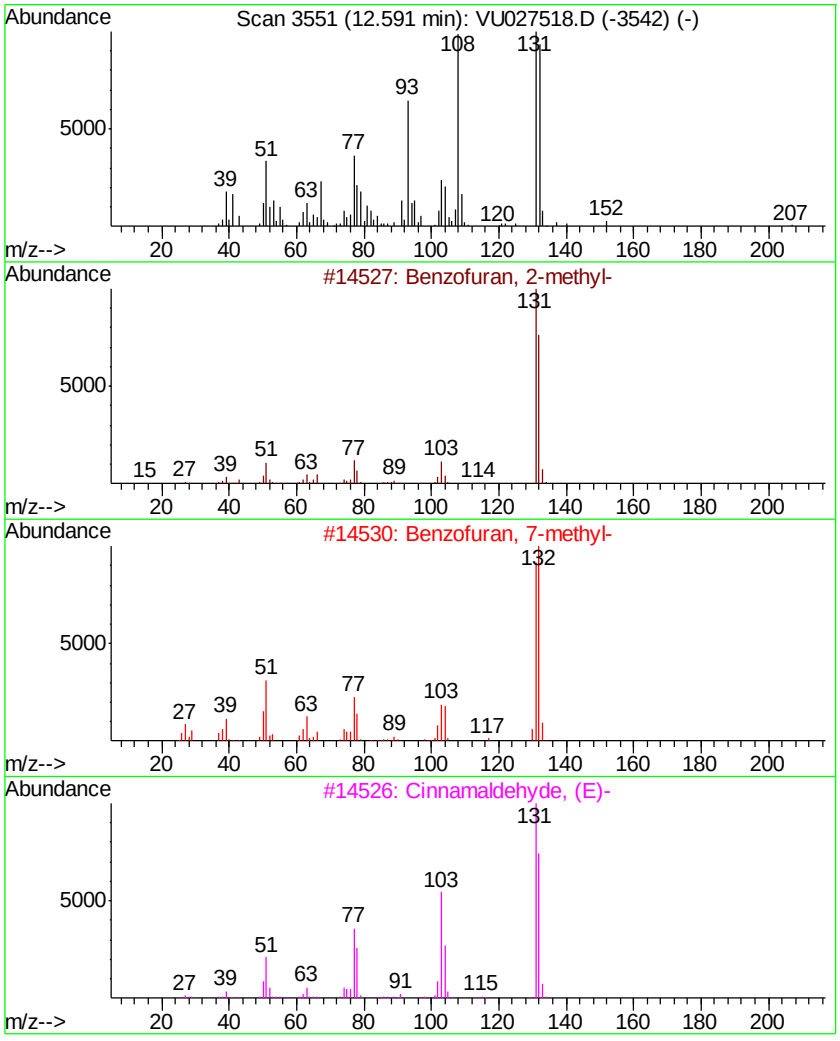
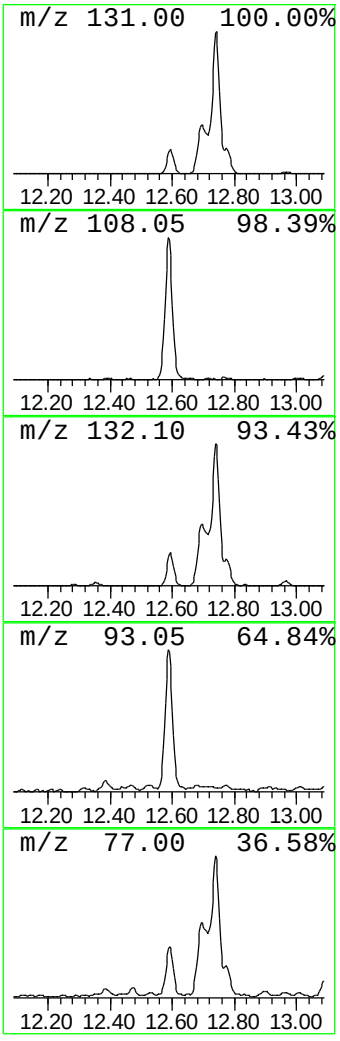
Peak Number 14 Benzofuran, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	20.59 ug/L	223956	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	87
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	70
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	70
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	55





Library Search Compound Report

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Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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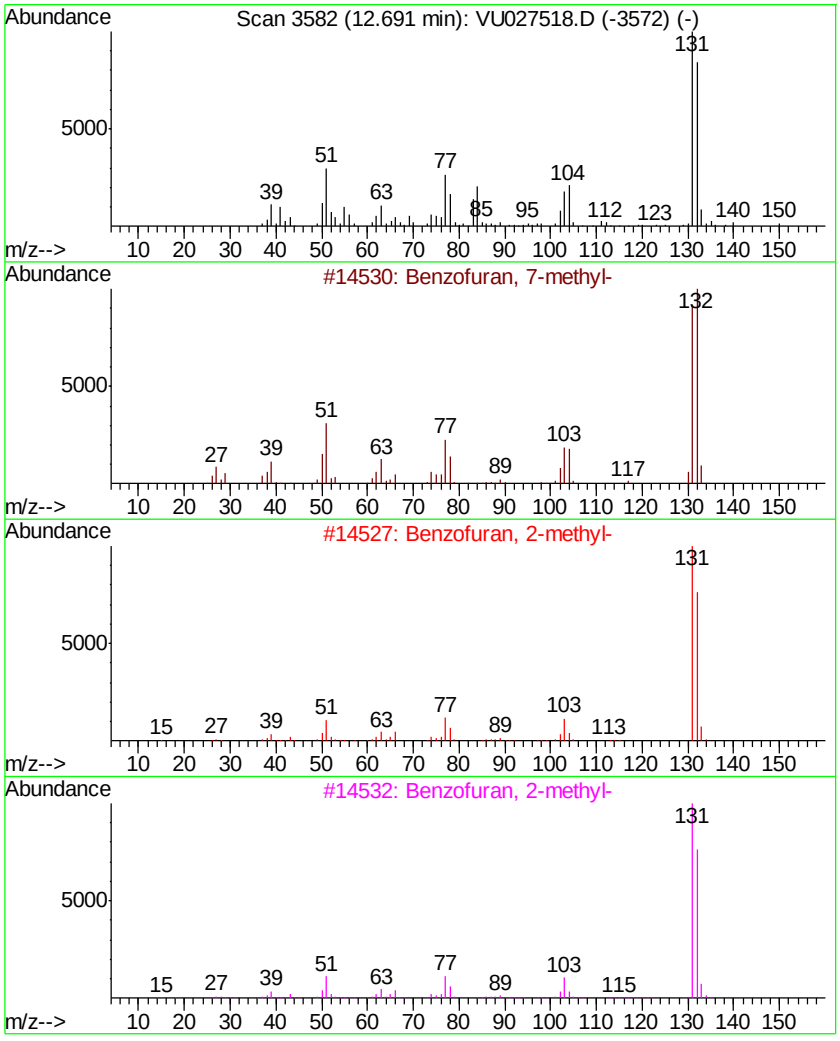
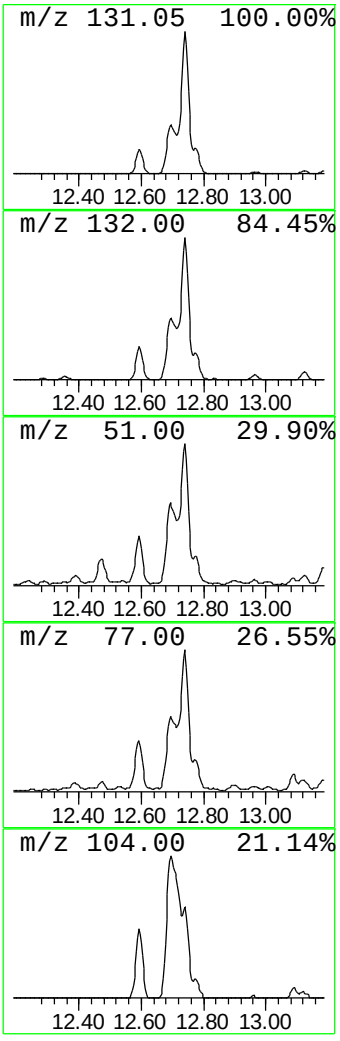
Peak Number 15 Benzofuran, 7-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	27.38 ug/L	297829	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87





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Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

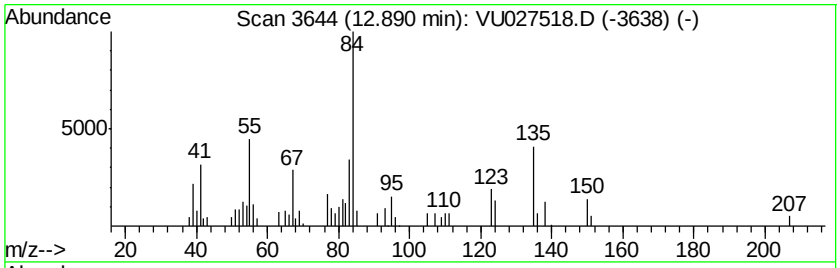
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

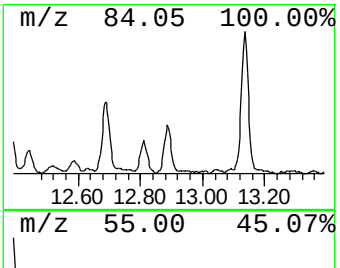
****

Peak Number 16 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	3.07 ug/L	33377	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-(2-hexenyl)-	166	C11H18O	034687-46-2	43
2	1,3-Methano-5bH-cyclobuta[cd]pen...	150	C10H14O	119405-12-8	43
3	[1,1'-Bicyclopentyl]-2-one	152	C10H16O	004884-24-6	35
4	Benzene-D6	84	C6D6	001076-43-3	14
5	Benzene-D6	84	C6D6	001076-43-3	14





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Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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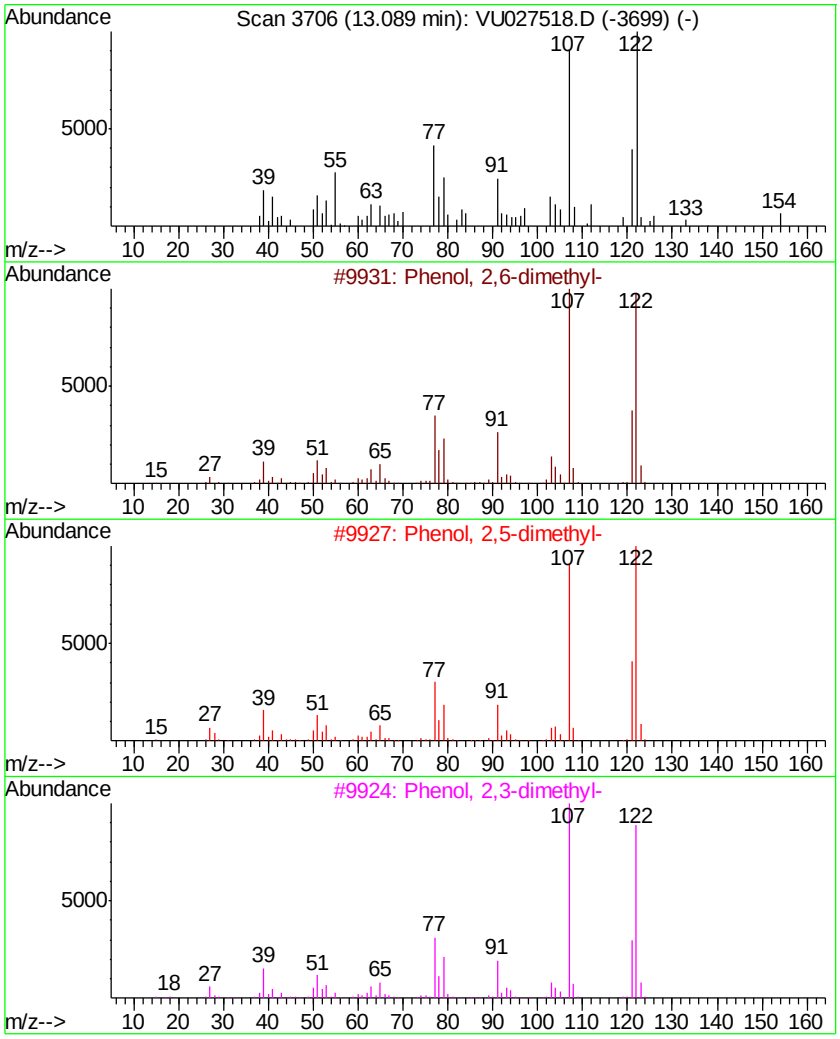
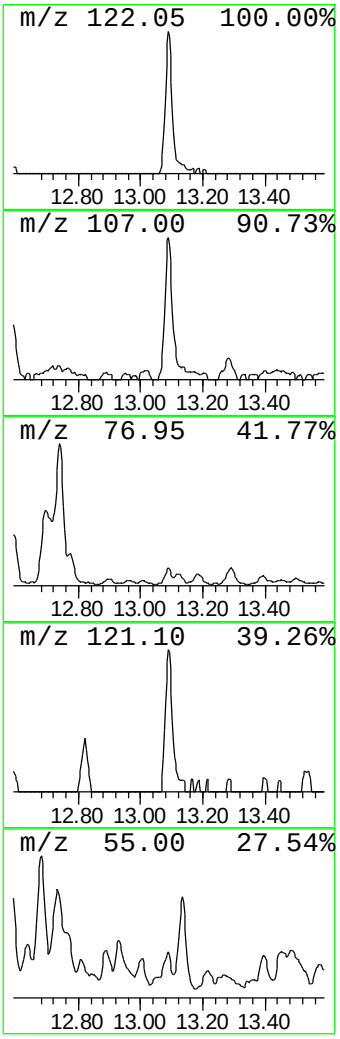
Peak Number 17 Phenol, 2,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.03 ug/L	32929	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	93
2	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	93
3	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	90
4	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	90
5	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	90





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Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

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Quant Title : VOC Analysis

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

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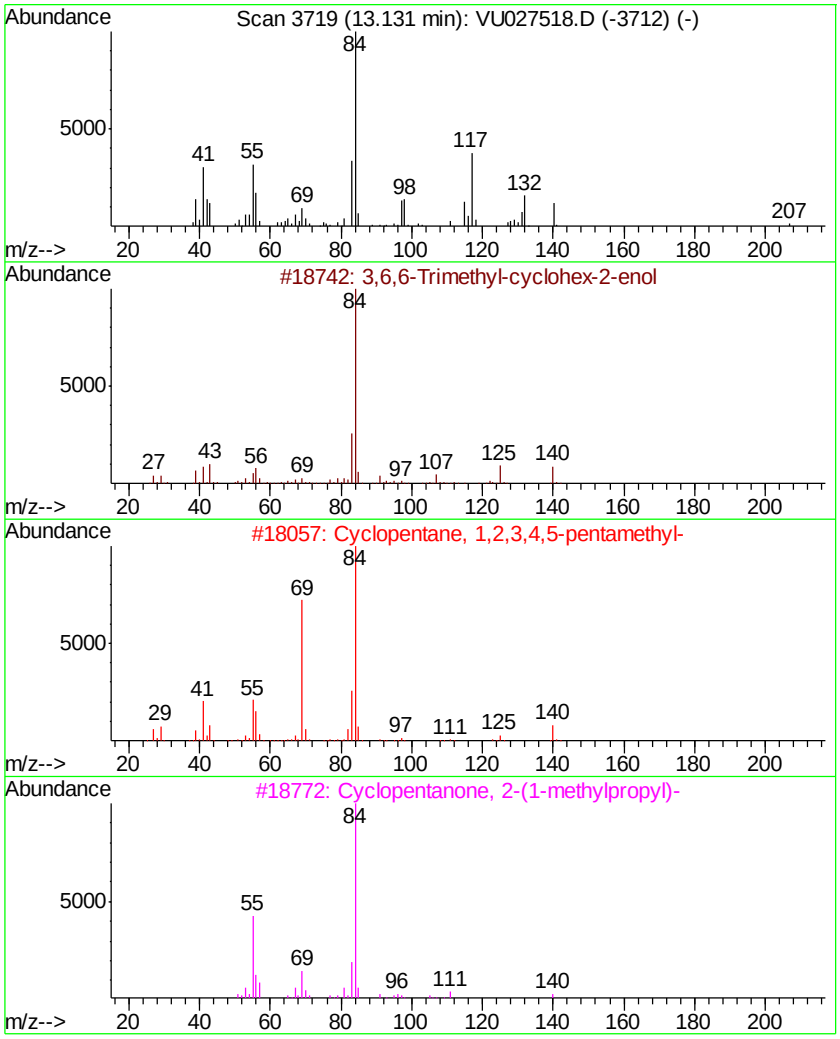
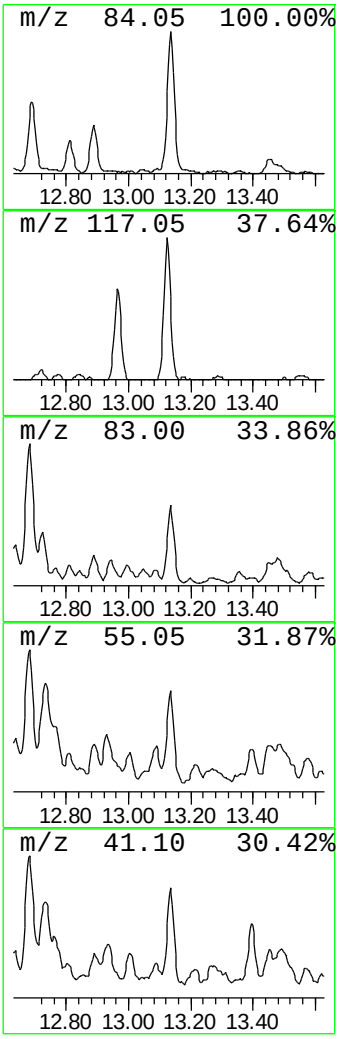
Peak Number 18 3,6,6-Trimethyl-cyclohex-2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	9.78 ug/L	106396	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,6-Trimethyl-cyclohex-2-enol	140	C9H16O	073741-62-5	50
2	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	50
3	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	43
4	2-Cyclohexen-1-ol, 2,6,6-trimethyl-	140	C9H16O	054345-59-4	43
5	Pelletierine	141	C8H15NO	004396-01-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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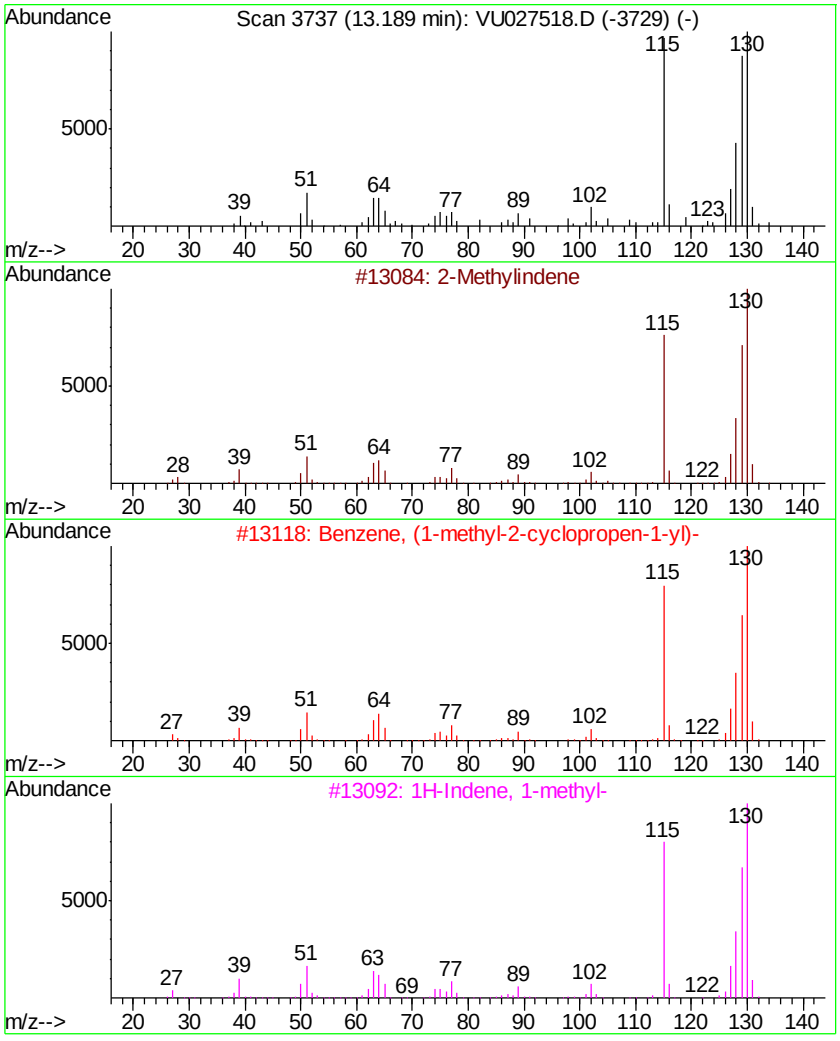
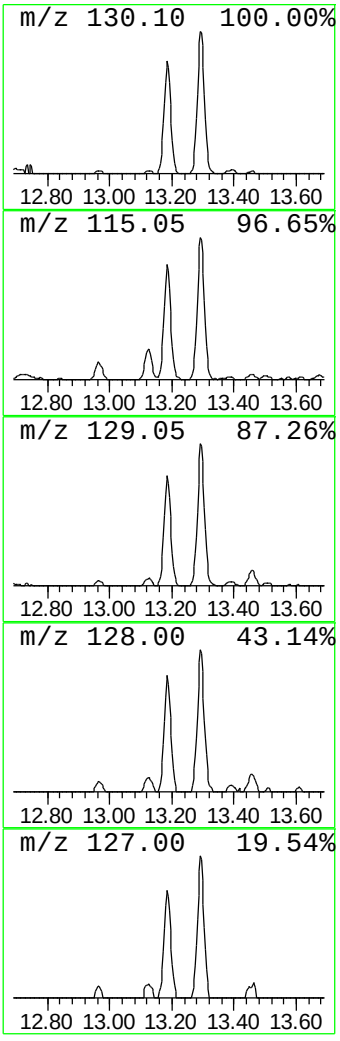
Peak Number 19 2-Methylindene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	8.18 ug/L	88991	1,4-Dichlorobenzene-d4	11.48

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	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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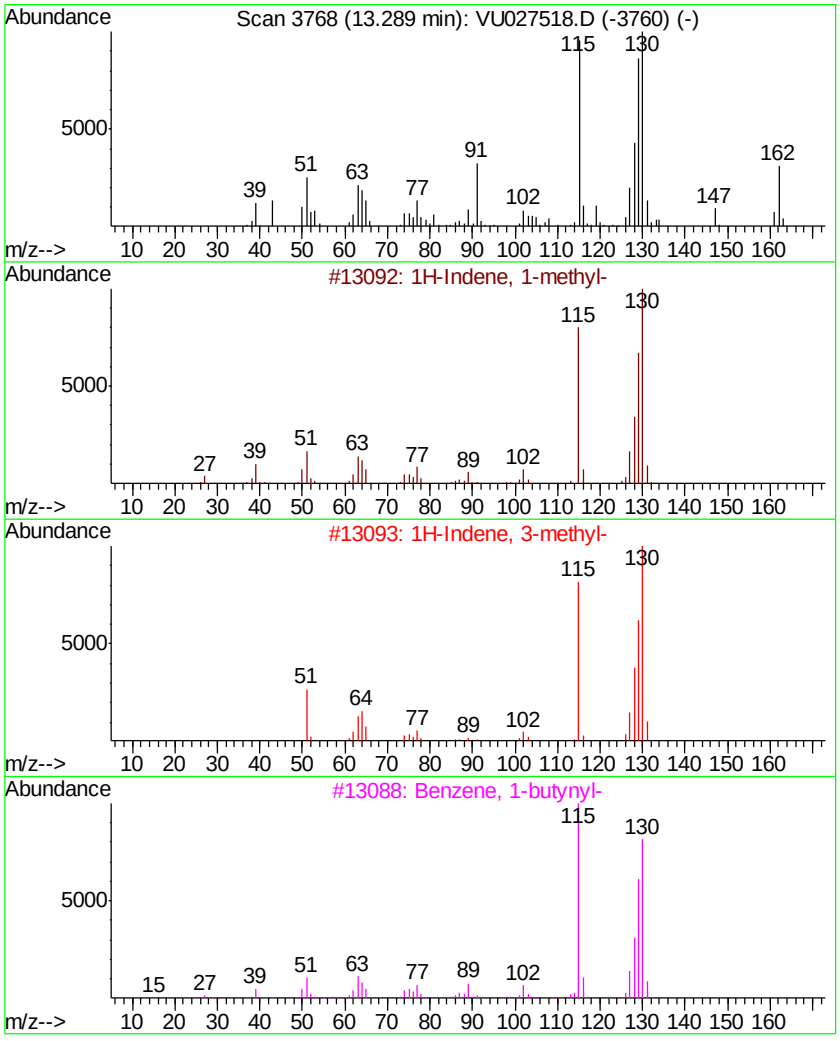
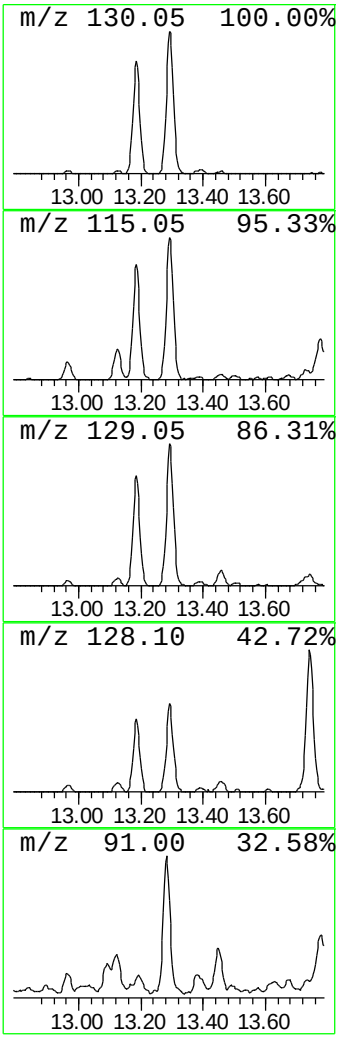
Peak Number 20 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	15.40 ug/L	167541	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5	2-Methylindene	130	C10H10	002177-47-1	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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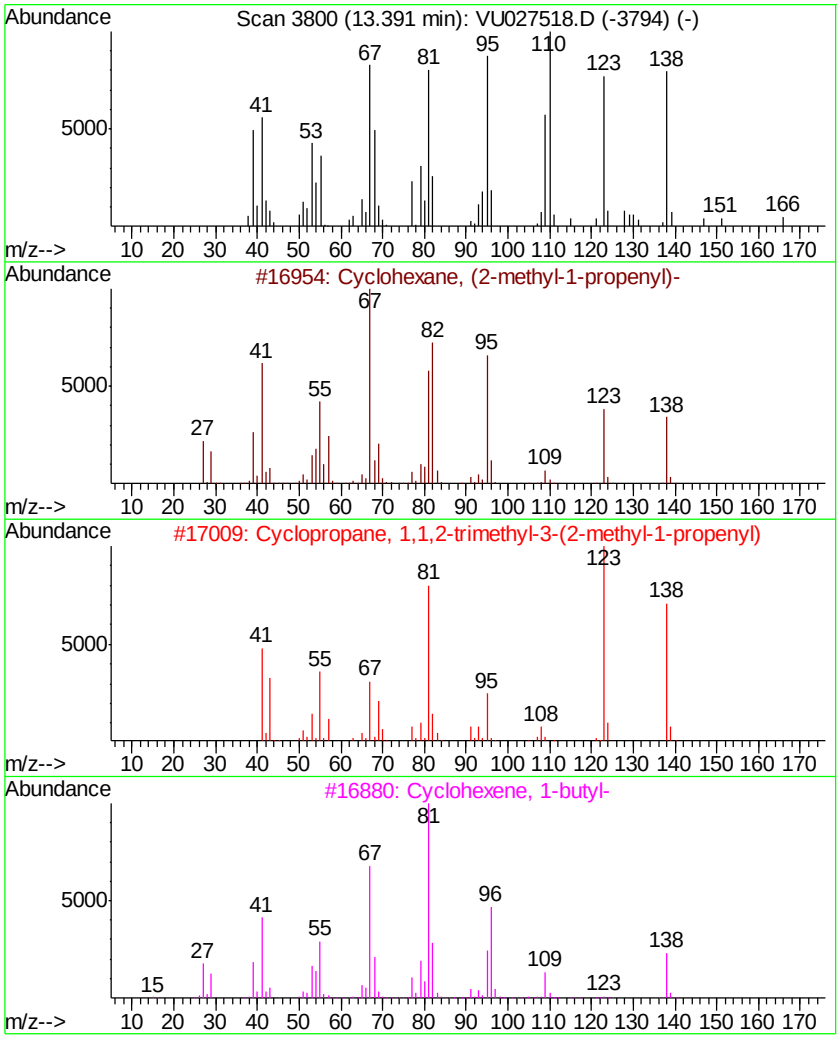
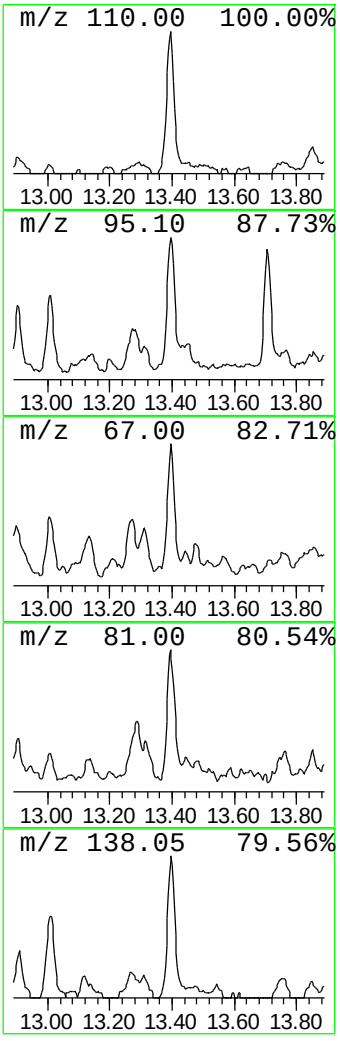
Peak Number 21 Cyclohexane, (2-methyl-1-pr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	4.90 ug/L	53293	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methyl-1-propenyl)-	138	C10H18	089656-98-4	53
2	Cyclopropane, 1,1,2-trimethyl-3-...	138	C10H18	054764-57-7	53
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	53
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	50
5	Cyclohexanone, 3-vinyl-3-methyl-	138	C9H14O	068269-56-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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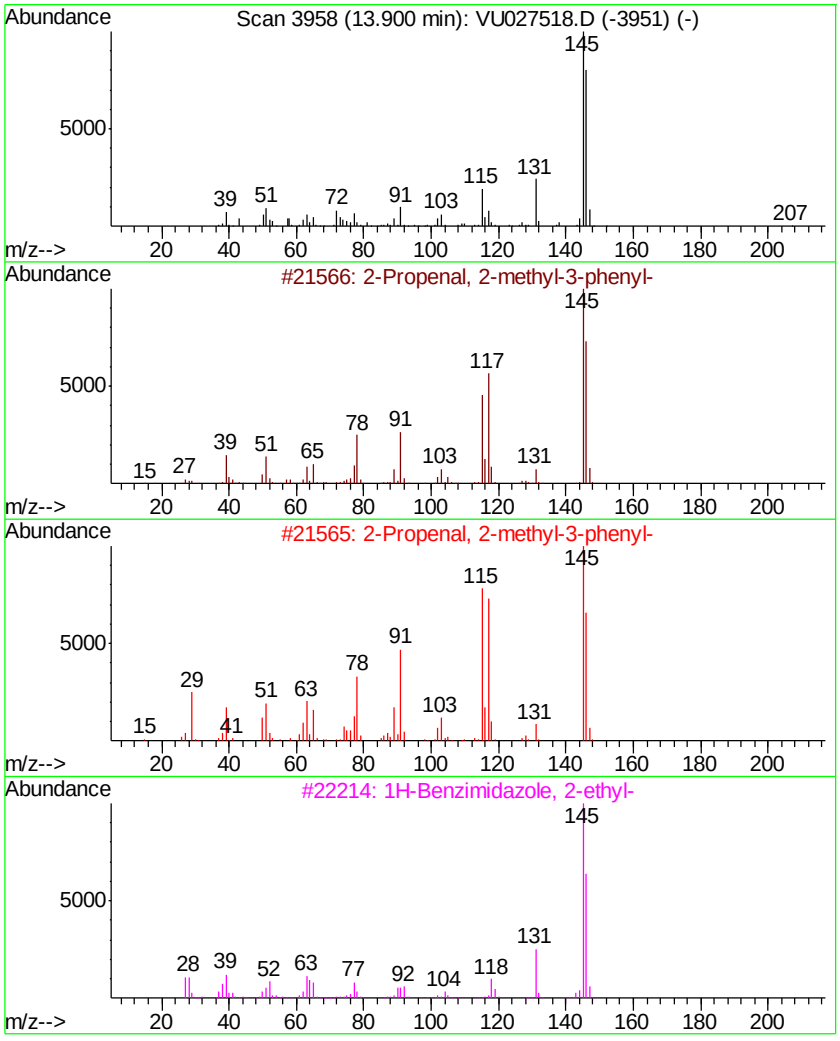
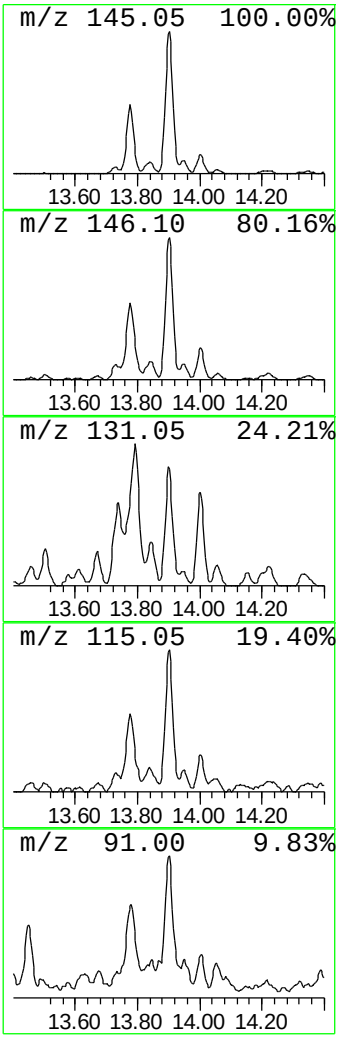
Peak Number 22 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	14.04 ug/L	152662	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	72
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	72
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
4	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
5	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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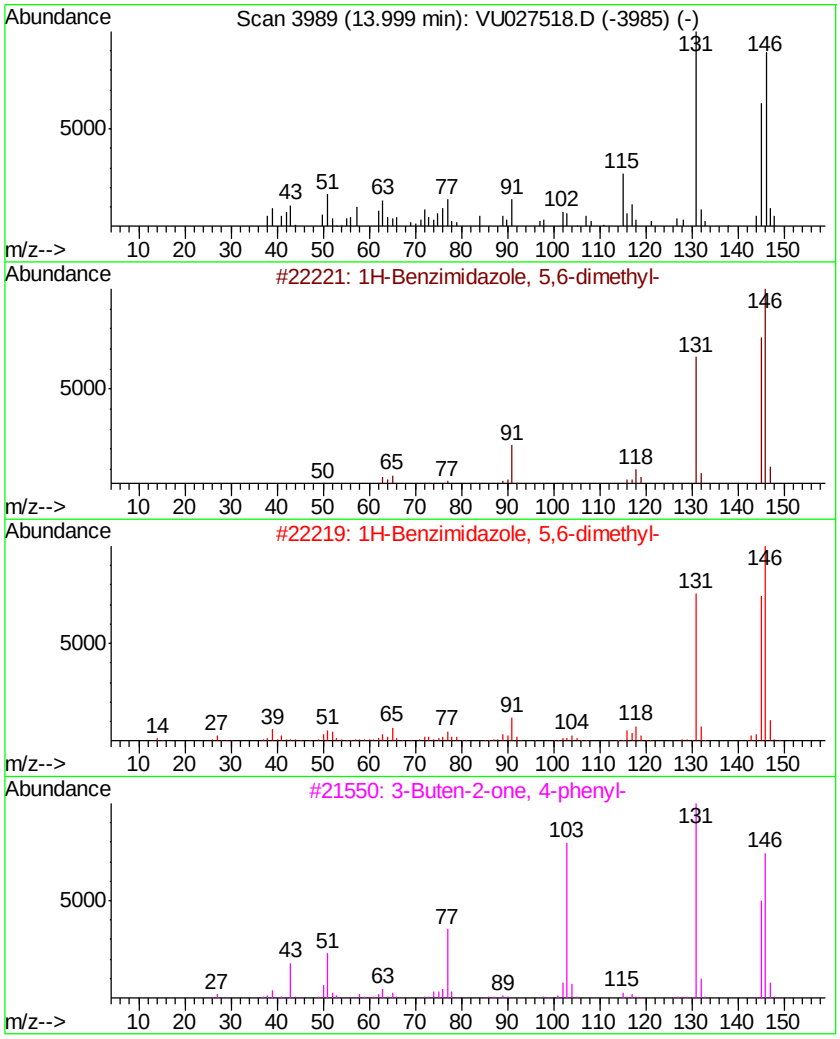
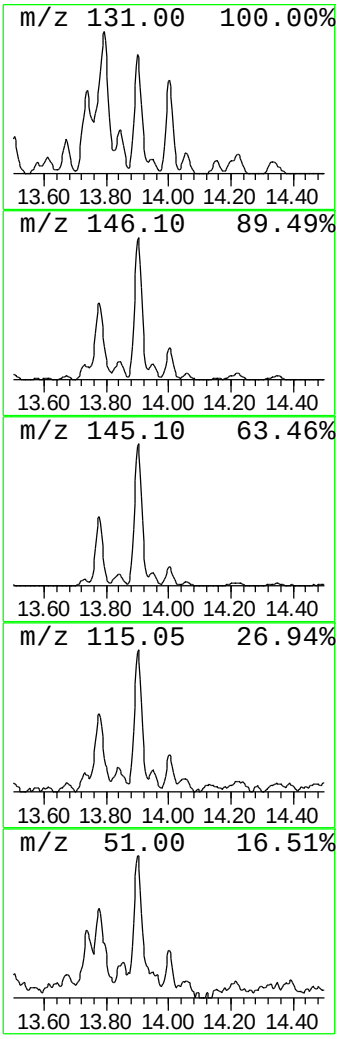
Peak Number 23 1H-Benzimidazole, 5,6-dimet... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.97 ug/L	43188	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	83
2	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	83
3	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	74
4	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	74
5	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027518.D
Acq On : 08 Oct 2018 22:39
Operator : MD/SY
Sample : J5298-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62X1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.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
unknown-01	10.58	3.1	ug/L	34227	3	11.48	543833	50.0
(DEL) Alkane: Cyc...	10.61	9.0	ug/L	97435	3	11.48	543833	50.0
Benzene, 1-ethyl-...	10.98	3.2	ug/L	34424	3	11.48	543833	50.0
Benzene, 1,2,3-tr...	11.15	7.6	ug/L	82979	3	11.48	543833	50.0
(DEL) Alkane: Cyc...	11.21	4.8	ug/L	51970	3	11.48	543833	50.0
(DEL) Alkane: Cyc...	11.36	5.7	ug/L	61704	3	11.48	543833	50.0
Indane	11.76	14.2	ug/L	153886	3	11.48	543833	50.0
Indene	11.98	15.0	ug/L	163167	3	11.48	543833	50.0
Cyclooctanone, 2-...	12.12	5.8	ug/L	63631	3	11.48	543833	50.0
(DEL) Alkane: Cyc...	12.39	20.3	ug/L	221014	3	11.48	543833	50.0
Cyclohexanone, 2-...	12.52	8.5	ug/L	92430	3	11.48	543833	50.0
Benzofuran, 2-met...	12.59	20.6	ug/L	223956	3	11.48	543833	50.0
Benzofuran, 7-met...	12.69	27.4	ug/L	297829	3	11.48	543833	50.0
unknown-02	12.89	3.1	ug/L	33377	3	11.48	543833	50.0
Phenol, 2,6-dimet...	13.09	3.0	ug/L	32929	3	11.48	543833	50.0
3,6,6-Trimethyl-c...	13.13	9.8	ug/L	106396	3	11.48	543833	50.0
2-Methylindene	13.19	8.2	ug/L	88991	3	11.48	543833	50.0
1H-Indene, 1-methyl-	13.29	15.4	ug/L	167541	3	11.48	543833	50.0
Cyclohexane, (2-m...	13.39	4.9	ug/L	53293	3	11.48	543833	50.0
2-Propenal, 2-met...	13.90	14.0	ug/L	152662	3	11.48	543833	50.0
1H-Benzimidazole,...	14.00	4.0	ug/L	43188	3	11.48	543833	50.0