LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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	1.399	63	70	83	rVB	99536	100121	14.60%	1.454%
2	1.514	101	106	112	rBV	8182	8405	1.23%	0.122%
3	1.672	147	155	169	rVB	74066	92922	13.55%	1.349%
4	2.189	309	316	322	rVB5	1591	2251	0.33%	0.033%
5	2.270	329	341	352	rBV	146209	222012	32.38%	3.223%
6	2.447	384	396	415	rBV	18402	33282	4.85%	0.483%
7	2.839	505	518	530	rVV	5417	11202	1.63%	0.163%
8	4.177	918	934	962	rBV	74749	206341	30.09%	2.996%
9	4.646	1063	1080	1108	rBV	109595	257821	37.60%	3.743%
10	5.080	1205	1215	1225	rVB4	1947	4045	0.59%	0.059%
11	5.337	1270	1295	1321	rBV2	236262	685749	100.00%	9.956%
12	5.482	1332	1340	1349	rVB6	1376	2612	0.38%	0.038%
13	5.884	1450	1465	1489	rBV	221504	432280	63.04%	6.276%
14	6.189	1553	1560	1575	rBV4	1881	4141	0.60%	0.060%
15	6.328	1589	1603	1616	rBV	160228	320577	46.75%	4.654%
16	6.472	1641	1648	1658	rVB5	1495	2661	0.39%	0.039%
17	6.533	1658	1667	1674	rBV3	1074	1674	0.24%	0.024%
18	6.736	1718	1730	1745	rBV2	19082	38466	5.61%	0.558%
19	6.900	1765	1781	1800	rBV2	27736	55426	8.08%	0.805%
20	7.147	1849	1858	1867	rVB6	2822	4566	0.67%	0.066%
21	7.225	1870	1882	1900	rBV	89956	164217	23.95%	2.384%
22	7.430	1935	1946	1959	rVB7	6552	14440	2.11%	0.210%
23	7.562	1967	1987	2005	rBV	305222	553997	80.79%	8.043%
24	7.707	2020	2032	2043	rBV	12445	24463	3.57%	0.355%
25	7.848	2065	2076	2086	rBV	63908	105471	15.38%	1.531%
26	7.916	2087	2097	2112	rVB2	54498	98317	14.34%	1.427%
27	8.041	2124	2136	2149	rVB5	6911	12299	1.79%	0.179%
28	8.106	2149	2156	2167	rVB5	3189	5657	0.82%	0.082%
29	8.176	2167	2178	2184	rBV4	2210	3884	0.57%	0.056%
30	8.221	2184	2192	2203	rVB7	5866	9247	1.35%	0.134%
31	8.308	2208	2219	2250	rBV	246173	422985	61.68%	6.141%
32	8.485	2265	2274	2293	rVB5	11682	26284	3.83%	0.382%
33	8.604	2300	2311	2319	rBV2	23494	43615	6.36%	0.633%
34	8.755	2348	2358	2376	rVB4	9408	16991	2.48%	0.247%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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	8.845	2376	2386	2399	rBV2	16829	29751	4.34%	0.432%
36	9.086	2449	2461	2478	rBV	311893	522023	76.12%	7.579%
37	9.241	2500	2509	2525	rVB7	7620	14342	2.09%	0.208%
38	9.311	2525	2531	2535	rBV5	1174	1393	0.20%	0.020%
39	9.360	2536	2546	2550	rBV5	8586	14639	2.13%	0.213%
40	9.446	2565	2573	2581	rBV6	3721	5221	0.76%	0.076%
41	9.569	2600	2611	2622	rVB2	13172	21618	3.15%	0.314%
42	9.720	2640	2658	2676	rBV6	15598	49860	7.27%	0.724%
43	9.800	2677	2683	2693	rVV4	3000	5061	0.74%	0.073%
44	9.919	2707	2720	2724	rBV7	5239	10378	1.51%	0.151%
45	10.054	2753	2762	2767	rBV5	7782	13753	2.01%	0.200%
46	10.212	2801	2811	2815	rBV7	4067	6670	0.97%	0.097%
47	10.376	2850	2862	2868	rBV5	14354	23425	3.42%	0.340%
48	10.430	2868	2879	2891	rVV	227369	368008	53.67%	5.343%
49	10.488	2891	2897	2912	rVB5	19355	32748	4.78%	0.475%
50	10.700	2956	2963	2973	rVB7	6298	11784	1.72%	0.171%
51	10.806	2991	2996	3005	rVB5	1934	2855	0.42%	0.041%
52	10.864	3005	3014	3024	rVB7	5204	8590	1.25%	0.125%
53	10.980	3038	3050	3064	rVB6	7209	14668	2.14%	0.213%
54	11.141	3092	3100	3107	rBV6	4477	7292	1.06%	0.106%
55	11.286	3127	3145	3151	rBV6	8292	19717	2.88%	0.286%
56	11.482	3195	3206	3221	rBV	293180	457004	66.64%	6.635%
57	11.604	3241	3244	3248	rBV4	1269	1207	0.18%	0.018%
58	11.684	3265	3269	3281	rVB3	4313	6425	0.94%	0.093%
59	11.778	3281	3298	3310	rBV7	7944	17336	2.53%	0.252%
60	11.858	3311	3323	3343	rVB	308071	499008	72.77%	7.245%
61	11.980	3353	3361	3370	rVB2	6411	10290	1.50%	0.149%
62	12.112	3396	3402	3407	rBV4	1828	2290	0.33%	0.033%
63	12.189	3423	3426	3431	rVB5	1344	1028	0.15%	0.015%
64	12.231	3431	3439	3447	rVB6	3276	4451	0.65%	0.065%
65	12.286	3447	3456	3468	rVB6	7004	12078	1.76%	0.175%
66	12.356	3473	3478	3483	rBV5	1670	1978	0.29%	0.029%
67	12.398	3483	3491	3496	rVV6	4008	6950	1.01%	0.101%
68	12.433	3496	3502	3514	rVV	15409	23451	3.42%	0.340%
69	12.536	3520	3534	3545	rVB4	16770	34174	4.98%	0.496%
70	12.620	3551	3560	3570	rBV3	18209	29587	4.31%	0.430%
71	12.720	3583	3591	3600	rVB9	4705	7166	1.04%	0.104%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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	12.787	3603	3612	3624	rVB	14400	21958	3.20%	0.319%
73	12.922	3638	3654	3666	rBV3	35303	60426	8.81%	0.877%
74	12.996	3668	3677	3686	rVB	18071	26709	3.89%	0.388%
75	13.067	3692	3699	3708	rVB3	7191	10322	1.51%	0.150%
76	13.121	3708	3716	3723	rBV3	8918	13507	1.97%	0.196%
77	13.199	3732	3740	3750	rVB3	8452	11775	1.72%	0.171%
78	13.257	3750	3758	3765	rBV5	6274	10027	1.46%	0.146%
79	13.421	3799	3809	3813	rBV8	7366	13507	1.97%	0.196%
80	13.504	3826	3835	3842	rBV3	13405	22215	3.24%	0.323%
81	13.549	3842	3849	3853	rBV2	17961	26376	3.85%	0.383%
82	13.607	3863	3867	3877	rVB	35386	49081	7.16%	0.713%
83	13.662	3877	3884	3895	rVB3	7426	11455	1.67%	0.166%
84	13.729	3895	3905	3916	rBV3	25964	48102	7.01%	0.698%
85	13.855	3935	3944	3958	rVB4	13758	25587	3.73%	0.371%
86	13.919	3958	3964	3965	rBV4	2900	2474	0.36%	0.036%
87	13.951	3967	3974	3983	rVB5	14035	21283	3.10%	0.309%
88	14.019	3989	3995	4002	rVV3	8803	12060	1.76%	0.175%
89	14.064	4003	4009	4025	rVB3	13727	25748	3.75%	0.374%
90	14.141	4025	4033	4038	rBV7	6389	10129	1.48%	0.147%
91	14.260	4062	4070	4075	rBV10	5116	8780	1.28%	0.127%
92	14.337	4087	4094	4099	rBV7	6809	10727	1.56%	0.156%
93	14.475	4130	4137	4148	rVB	28038	43092	6.28%	0.626%
94	14.546	4148	4159	4169	rBV4	15366	26848	3.92%	0.390%
95	14.610	4174	4179	4189	rVB3	5894	8816	1.29%	0.128%
96	14.691	4194	4204	4217	rBV3	21719	43884	6.40%	0.637%
97	14.816	4237	4243	4251	rBV6	9431	13578	1.98%	0.197%
98	15.009	4295	4303	4310	rBV2	10120	14583	2.13%	0.212%
99	15.131	4337	4341	4348	rBV7	3691	4941	0.72%	0.072%
100	15.674	4501	4510	4513	rBV9	2467	3293	0.48%	0.048%

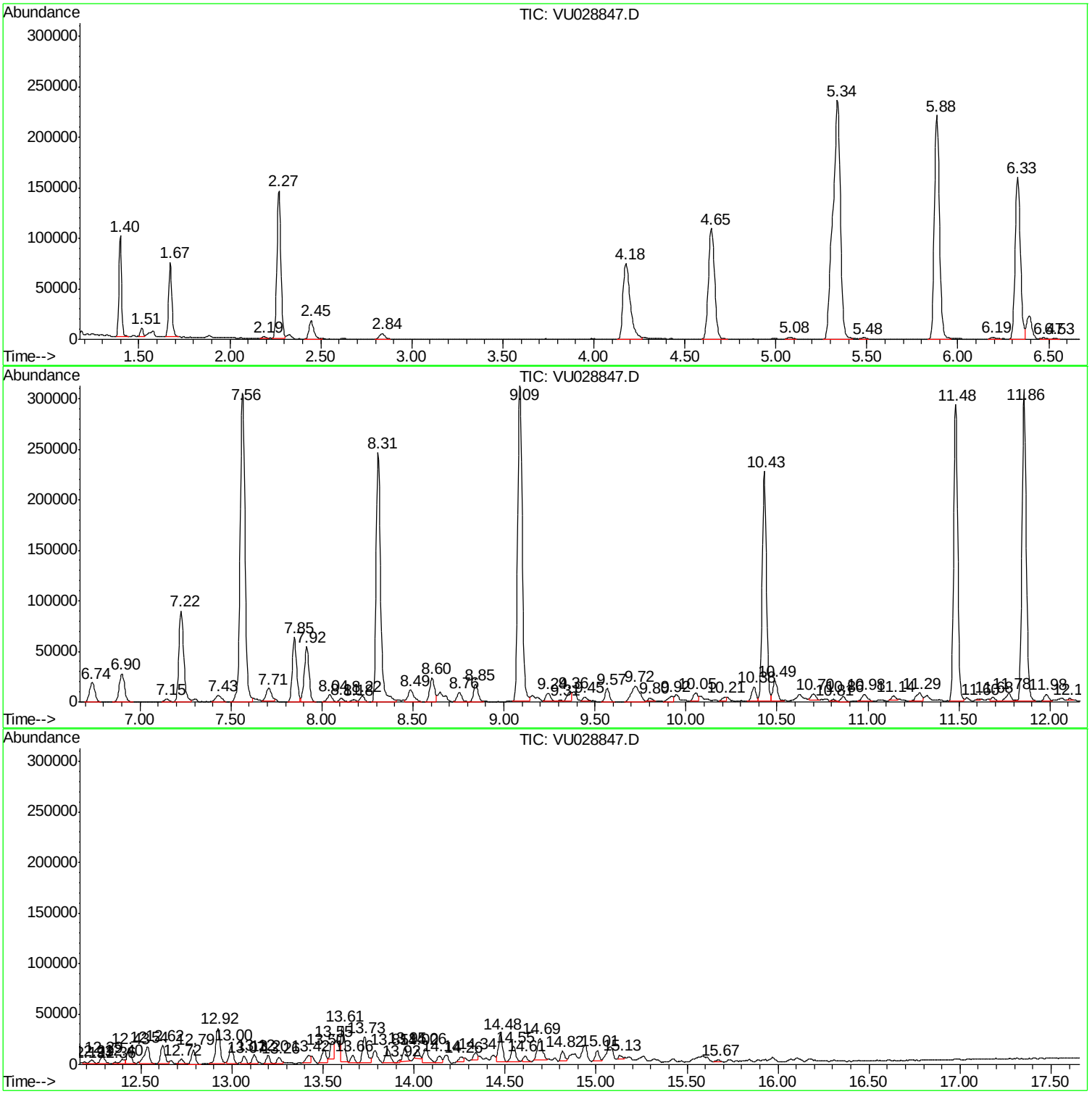
Sum of corrected areas: 6887923

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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

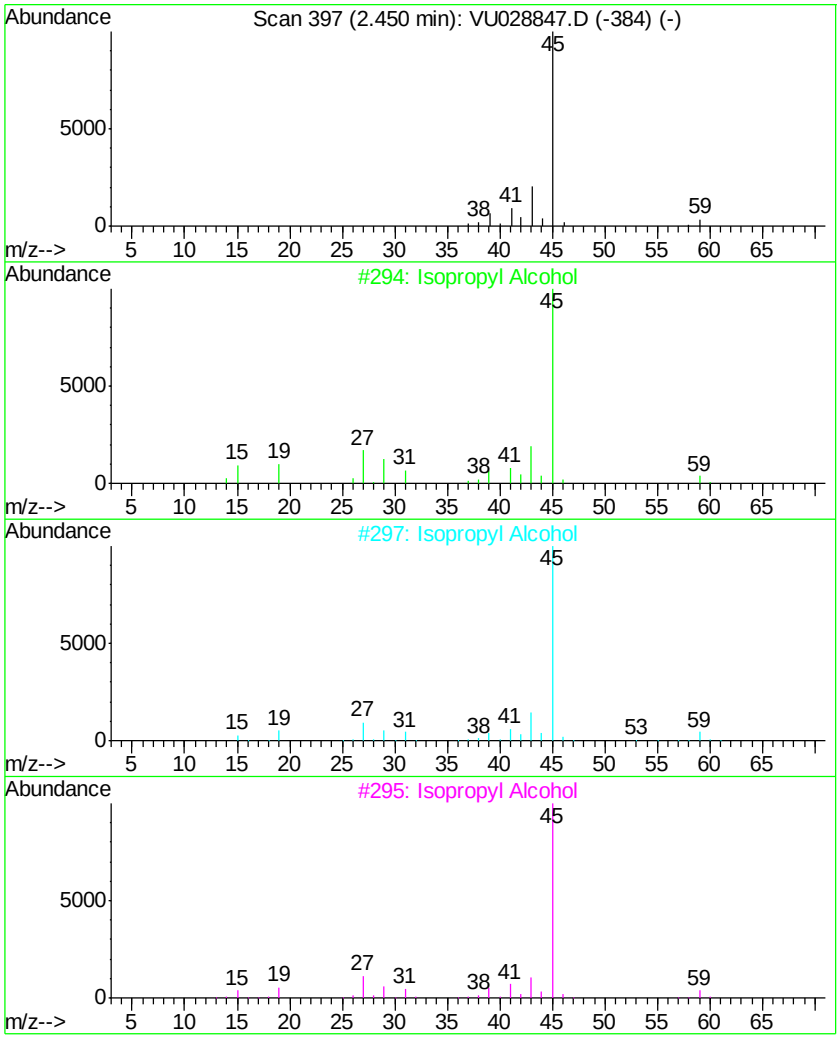
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

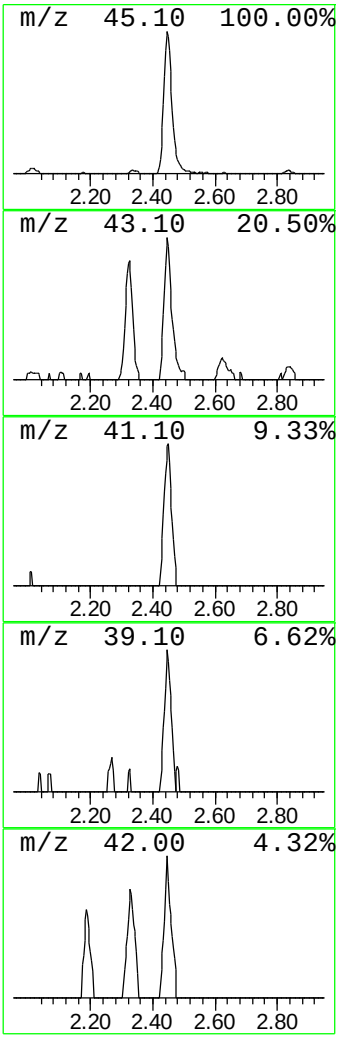
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	3.85 ug/L	33282	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	74
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Formamide	45	CH3NO	000075-12-7	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

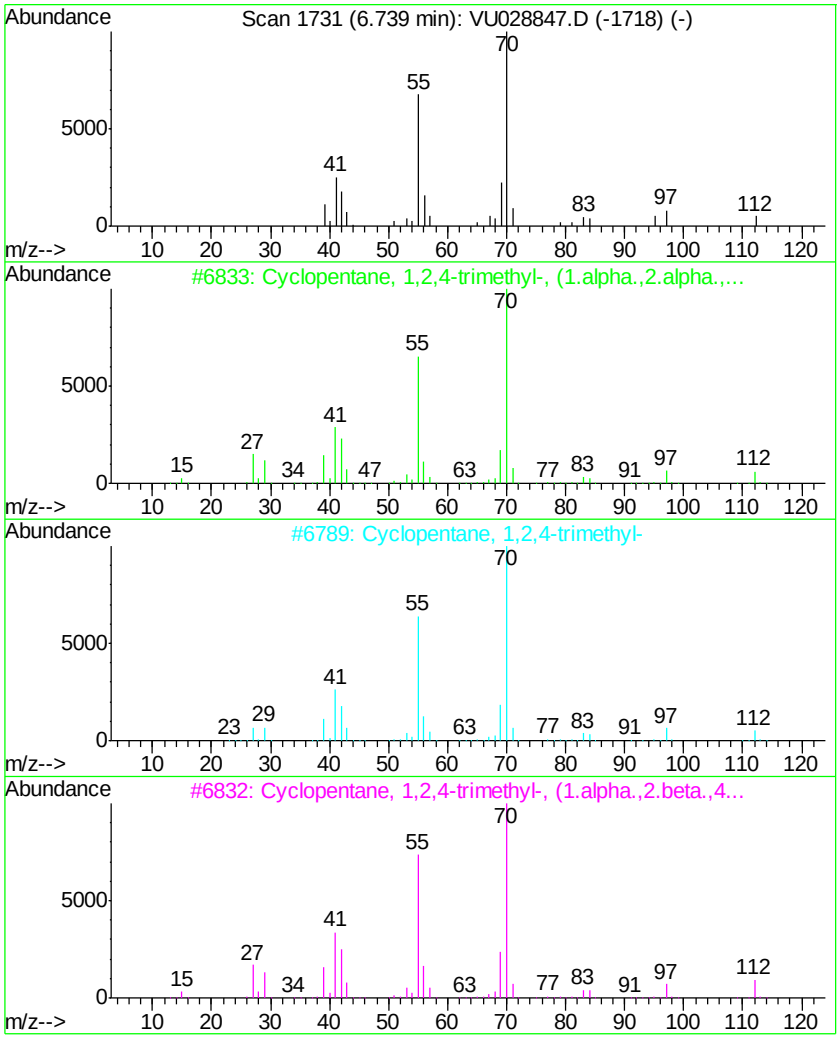
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

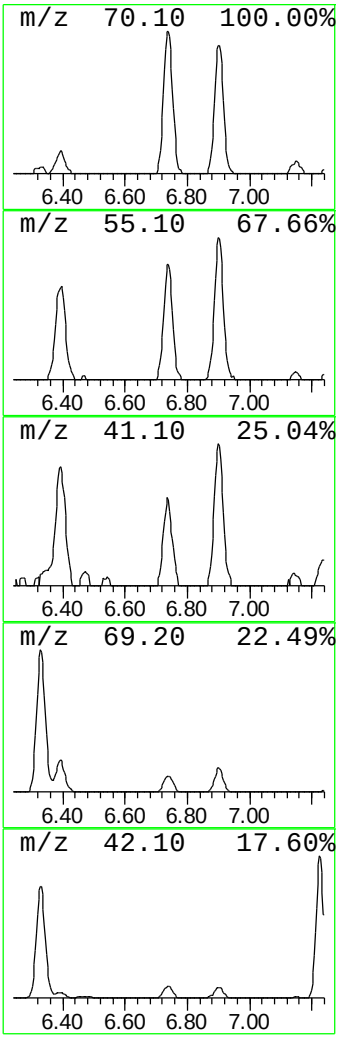
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic6.74 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	4.45 ug/L	38466	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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

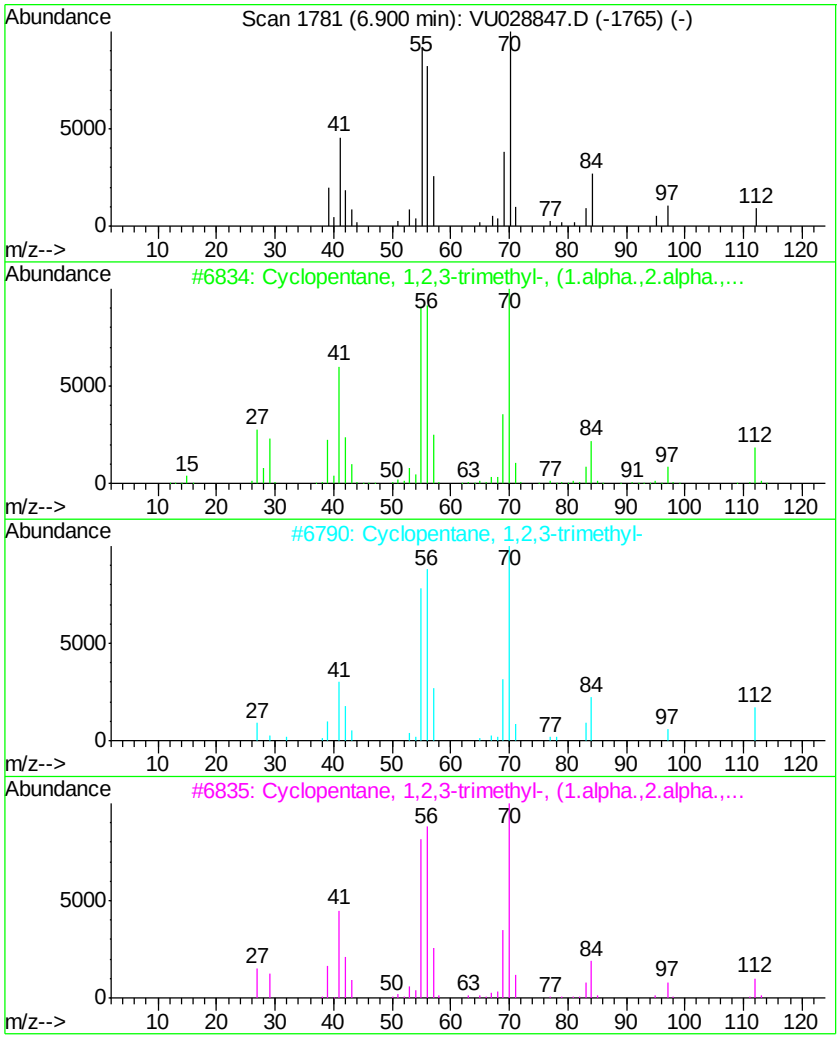
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

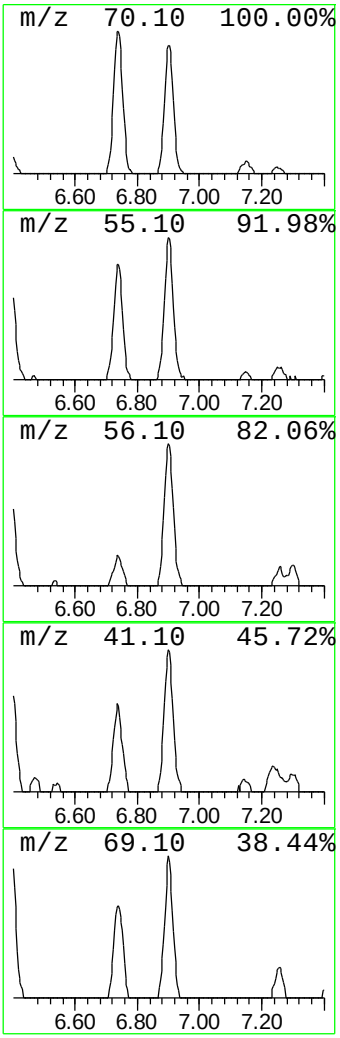
****

Peak Number 3 (DEL) Alkane: Cyclic6.90 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	6.41 ug/L	55426	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	72
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
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ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

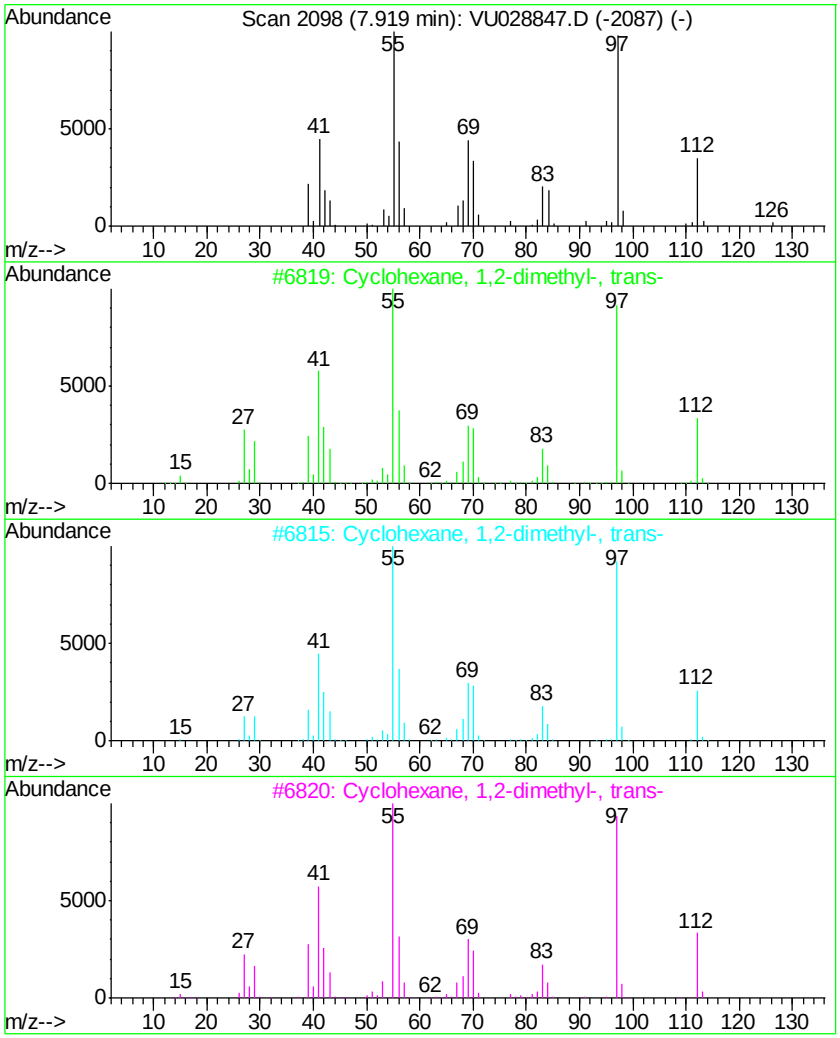
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

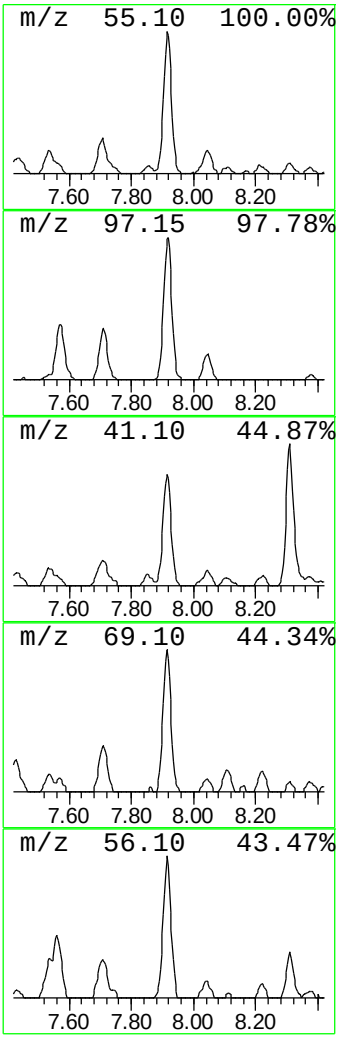
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic7.92 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	9.42 ug/L	98317	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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

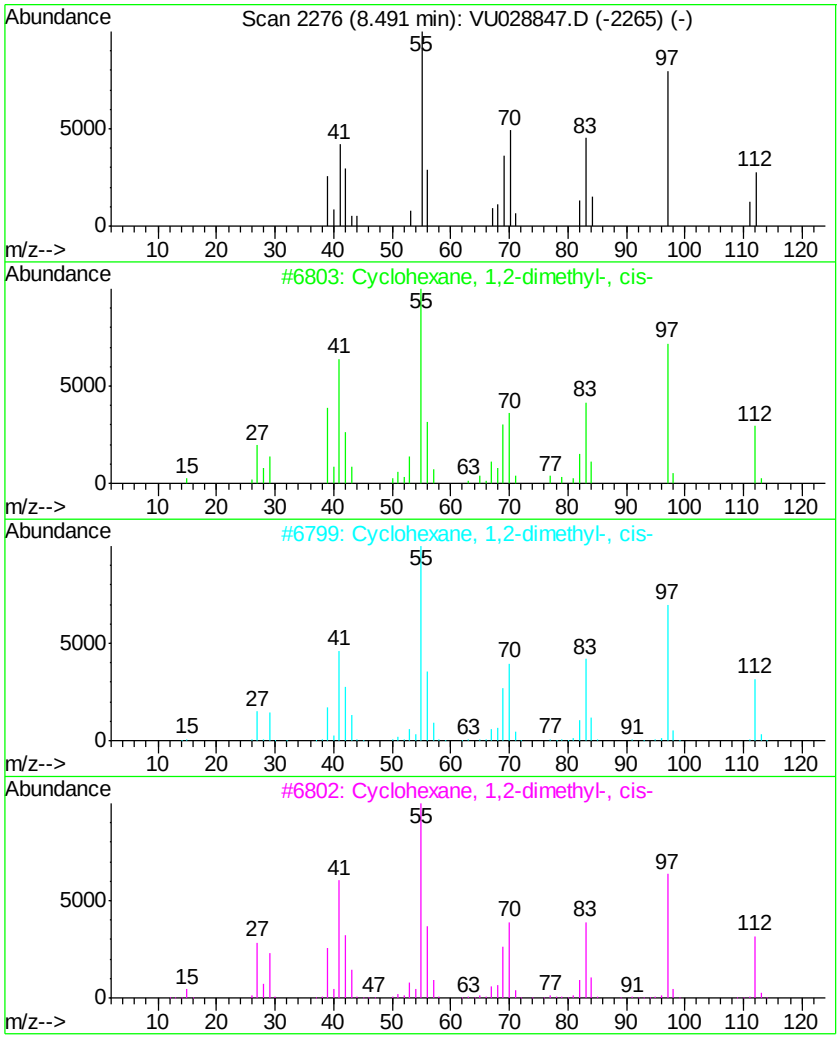
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

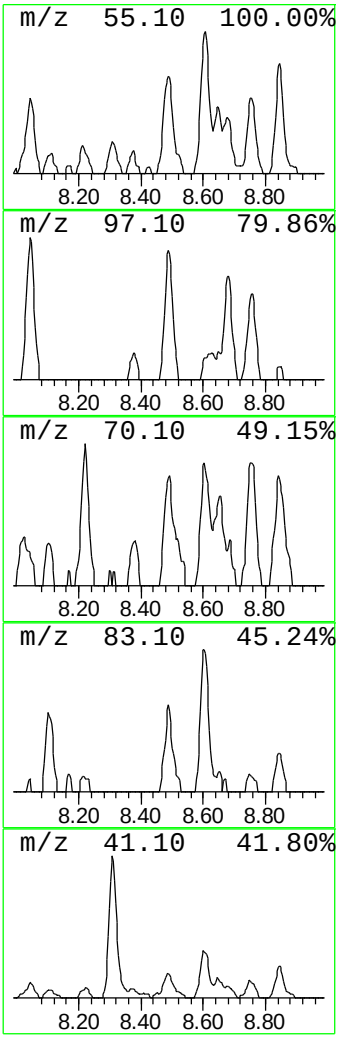
****

Peak Number 6 (DEL) Alkane: Cyclic8.49 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	2.52 ug/L	26284	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	93
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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

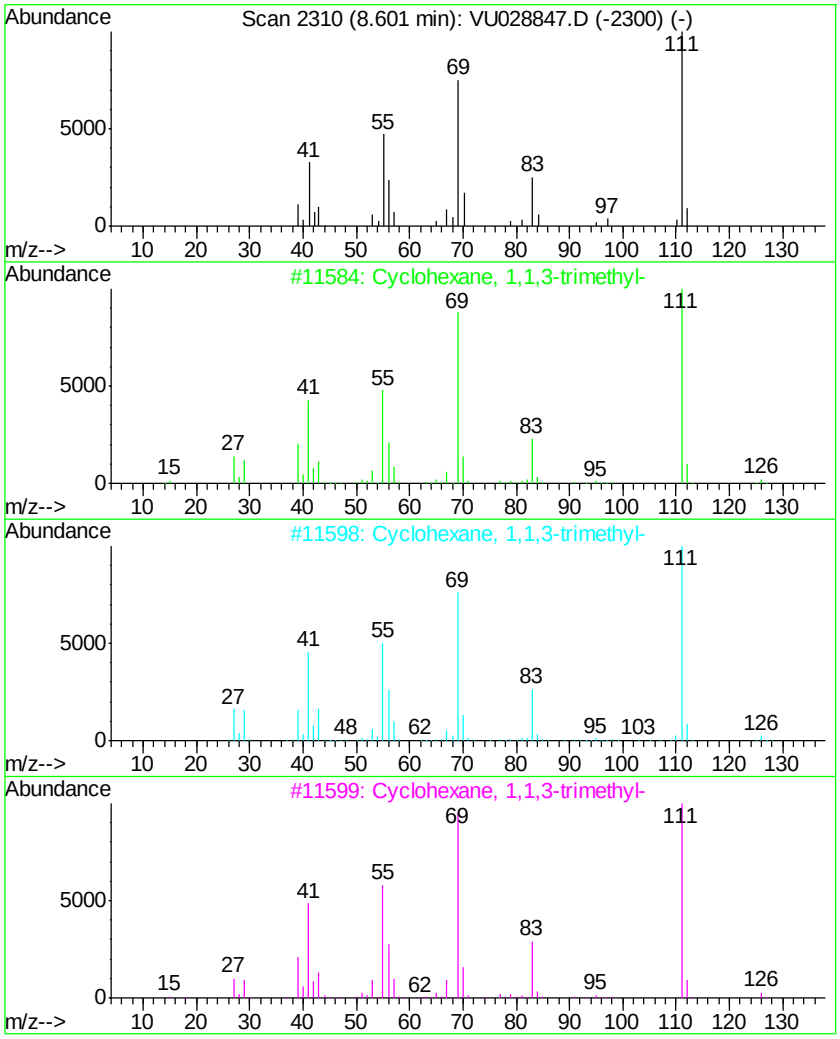
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

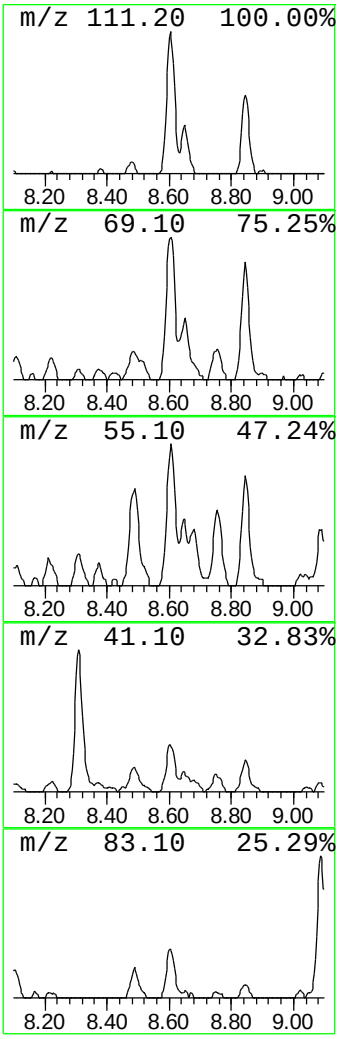
****

Peak Number 7 (DEL) Alkane: Cyclic8.60 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	4.18 ug/L	43615	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59





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Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

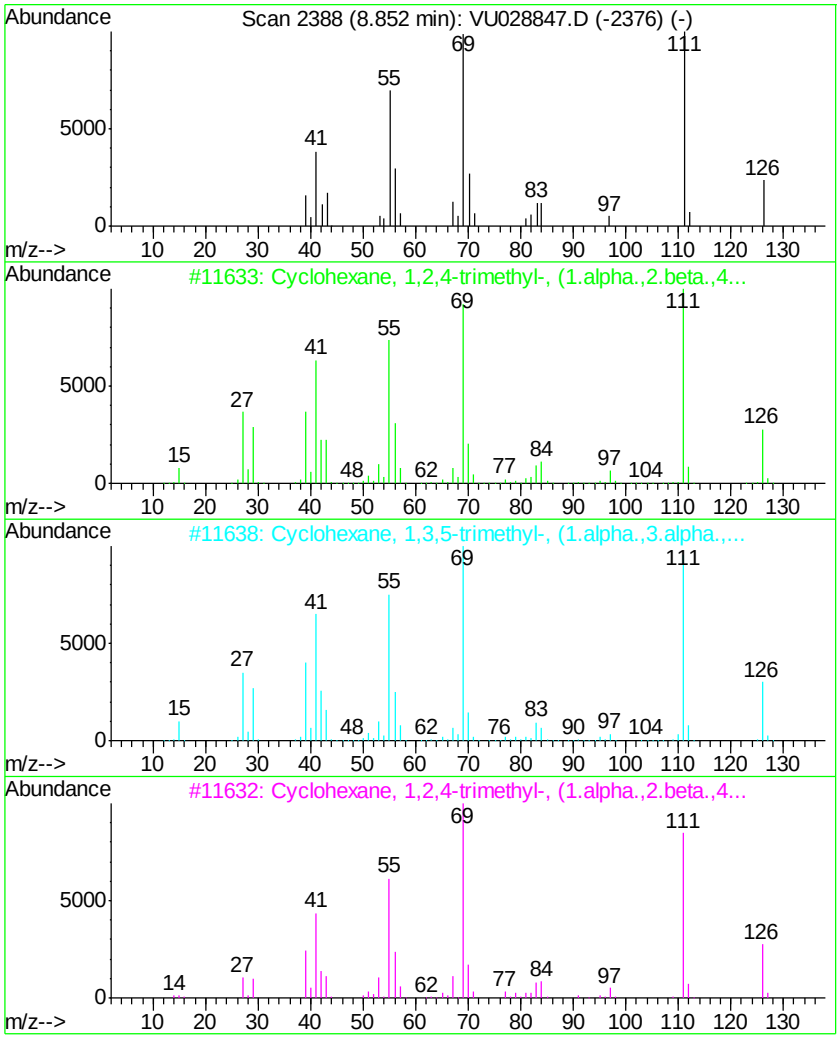
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

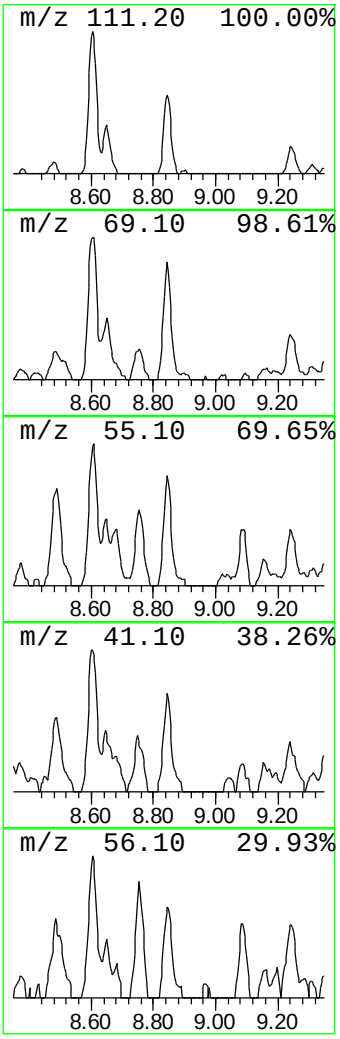
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic8.85 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	2.85 ug/L	29751	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	83
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80





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Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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

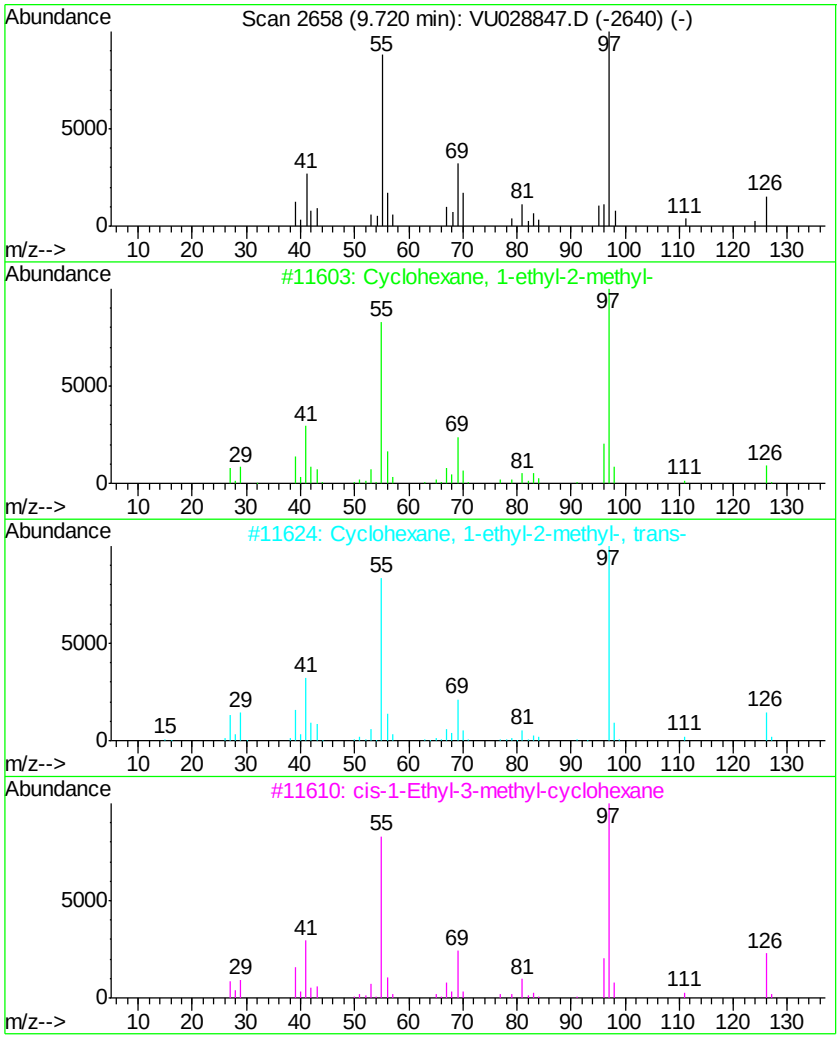
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

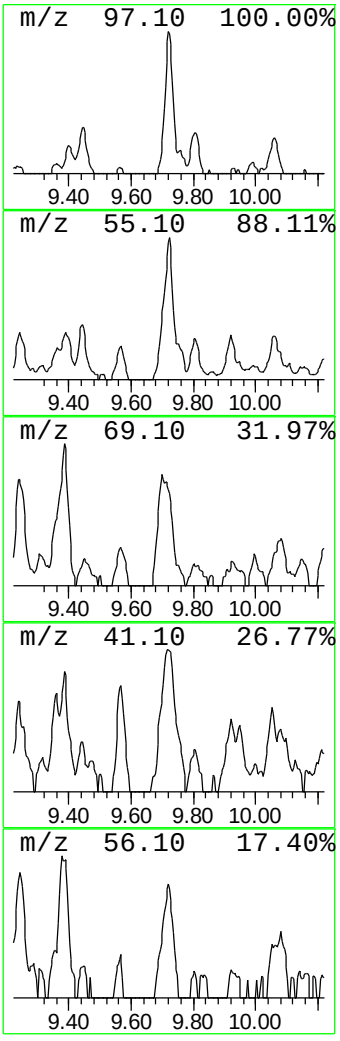
****

Peak Number 9 (DEL) Alkane: Cyclic9.72 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	4.78 ug/L	49860	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	74
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	74
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64





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Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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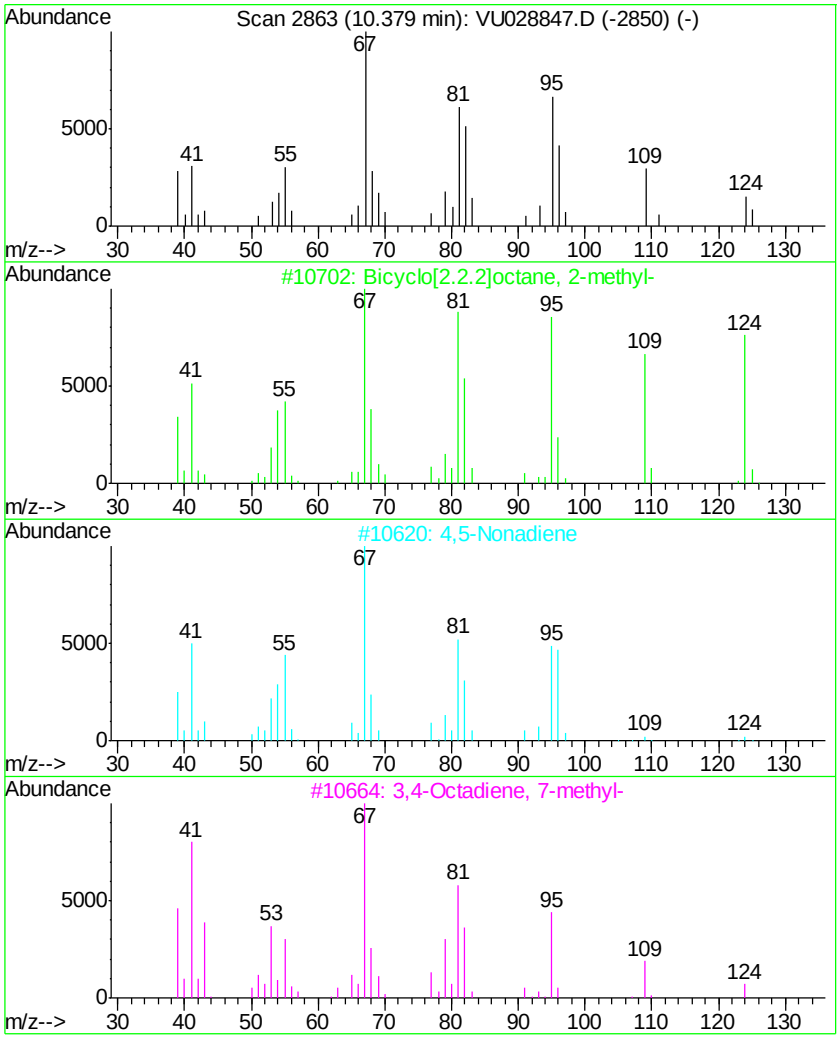
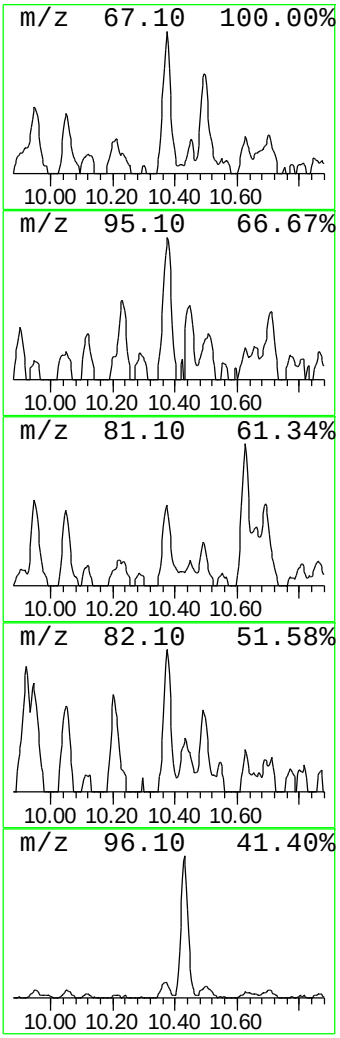
Peak Number 10 Bicyclo[2.2.2]octane, 2-met... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.56 ug/L	23425	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	81
2	4,5-Nonadiene	124	C9H16	000821-74-9	80
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	74
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
5	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	52





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Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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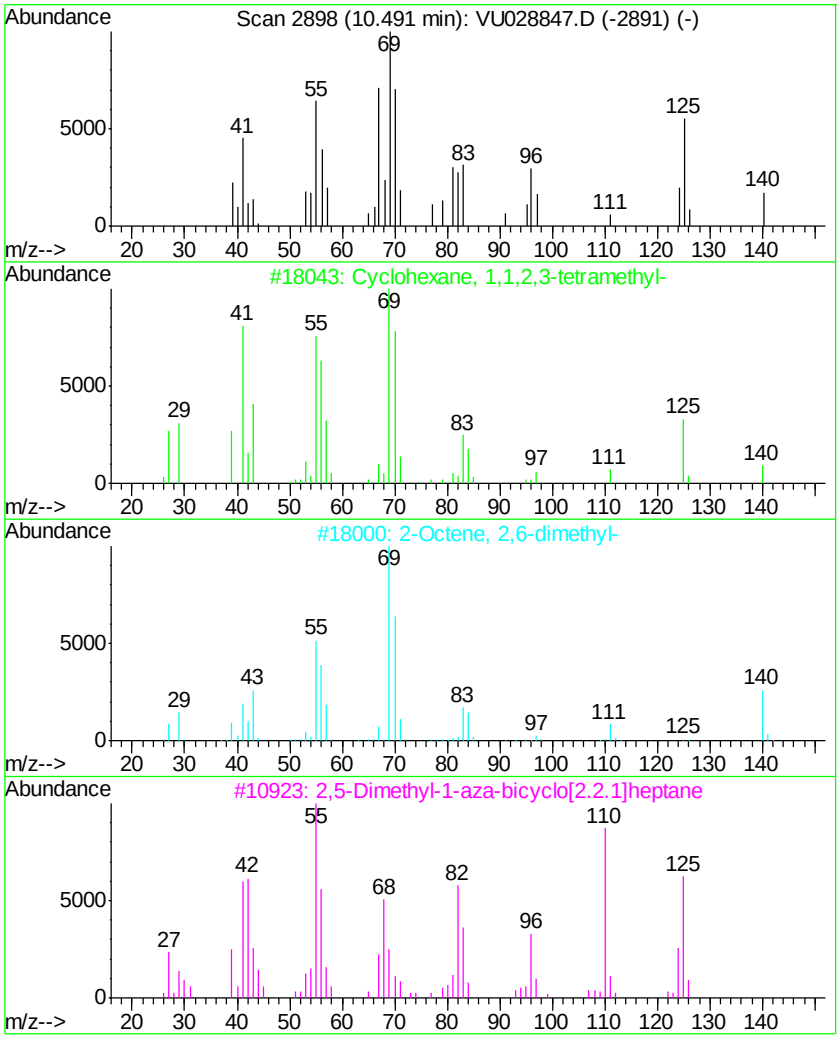
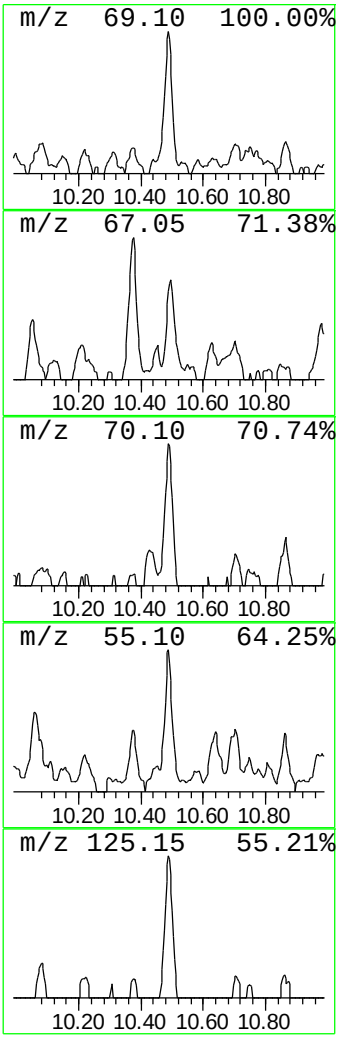
Peak Number 11 (DEL) Alkane: Cyclic10.49 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	3.58 ug/L	32748	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	68
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3	2,5-Dimethyl-1-aza-bicyclo[2.2.1...	125	C8H15N	1000194-05-9	38
4	trans-3-Decene	140	C10H20	019150-21-1	27
5	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	27





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Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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

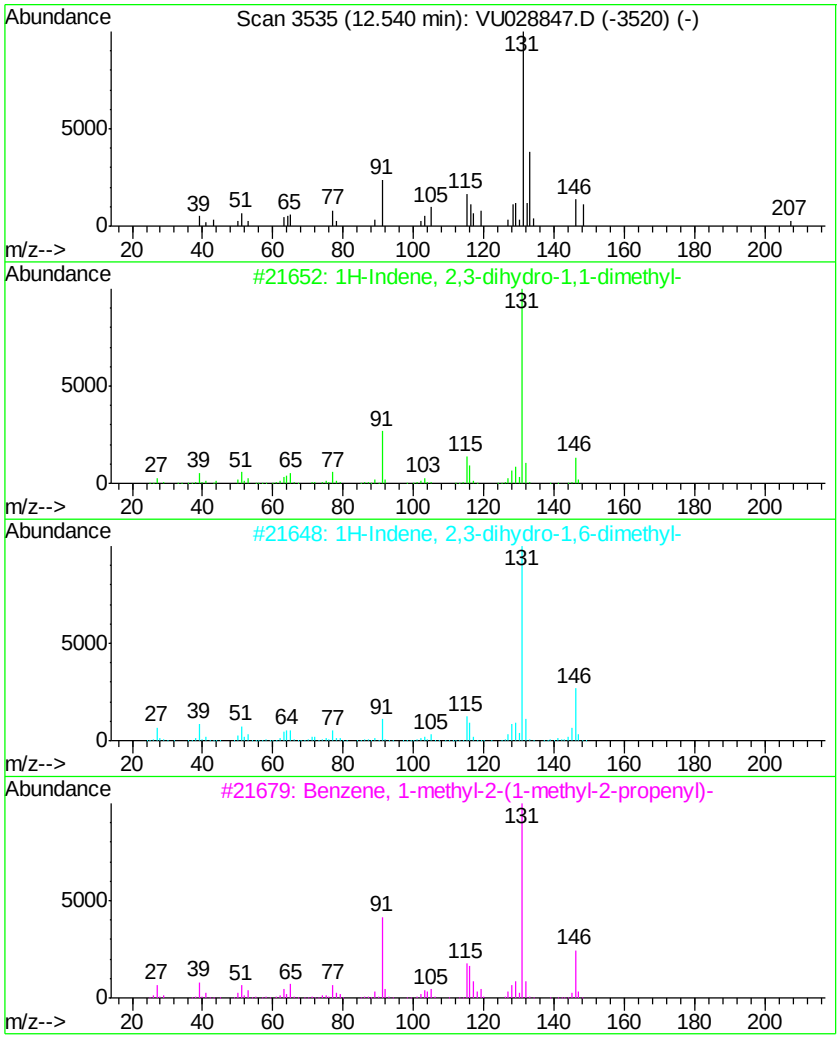
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

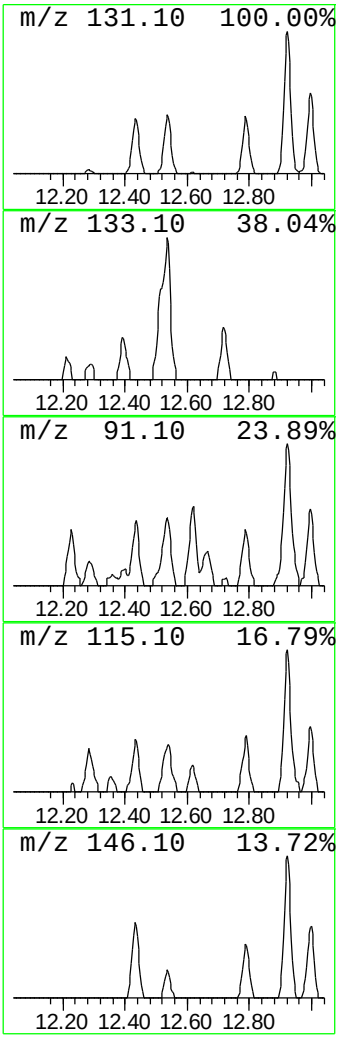
****

Peak Number 13 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.74 ug/L	34174	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	76
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76





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Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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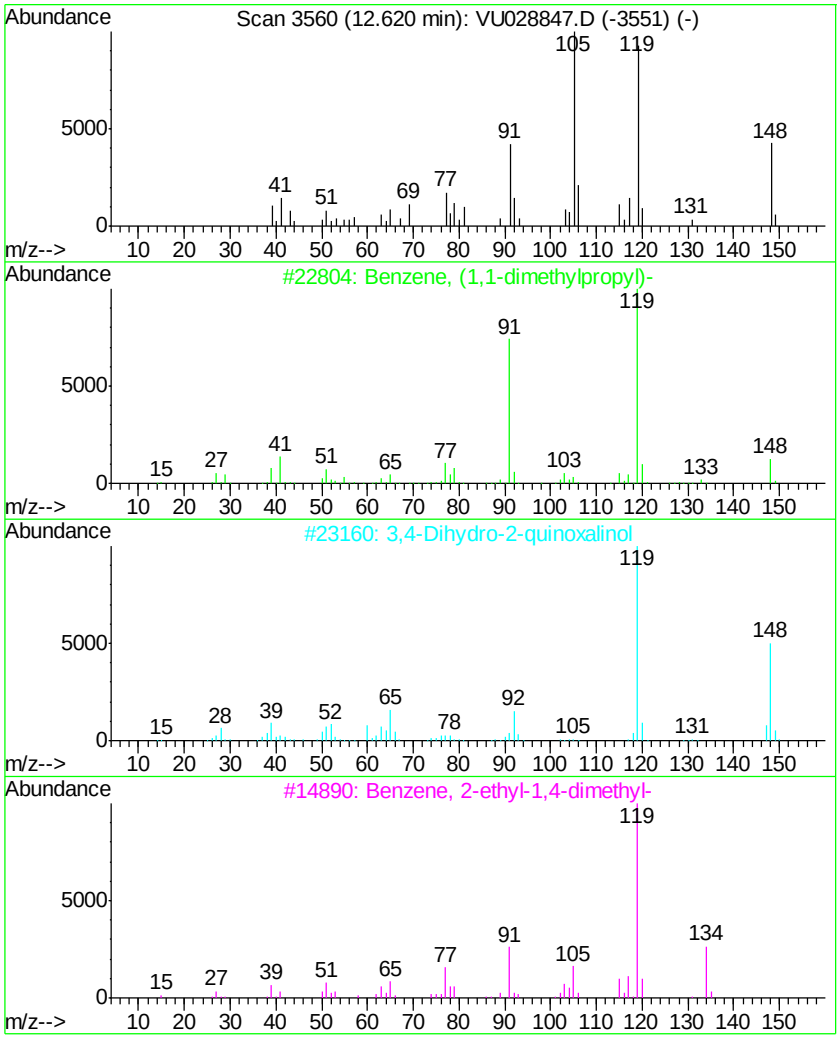
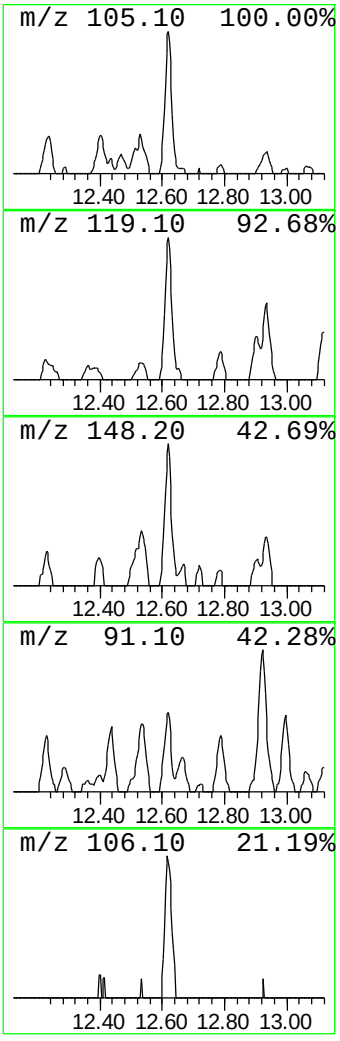
Peak Number 14 Benzene, (1,1-dimethylpropyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.24 ug/L	29587	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
2	3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	53
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	43





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Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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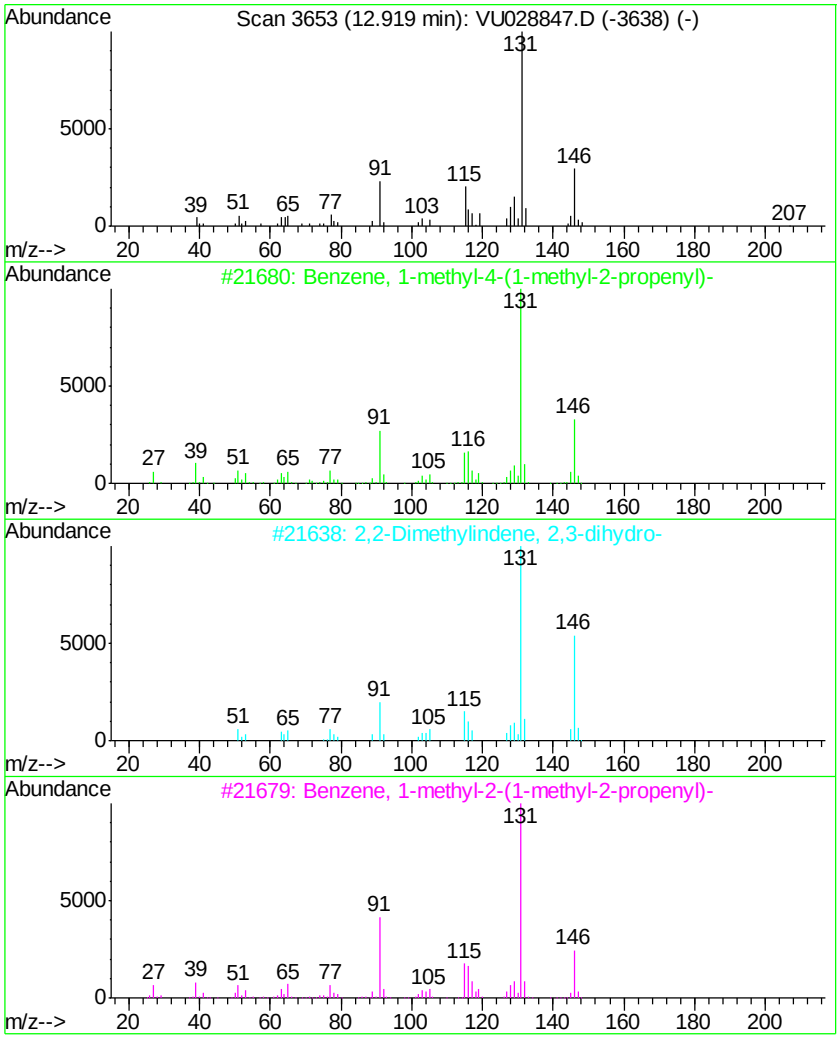
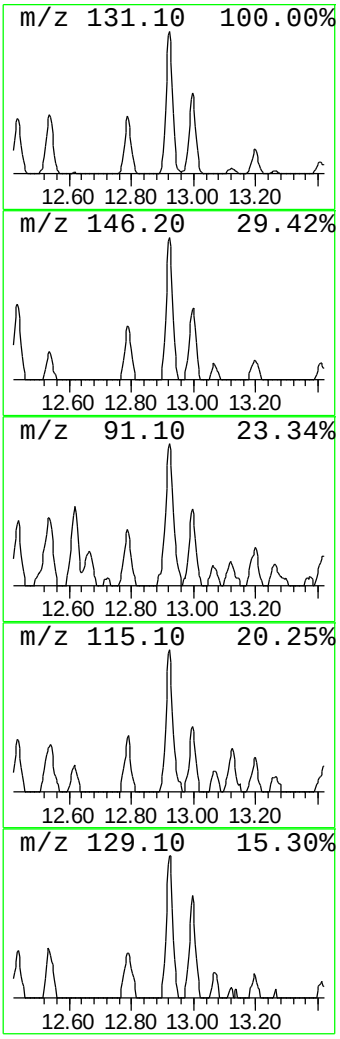
Peak Number 15 Benzene, 1-methyl-4-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	6.61 ug/L	60426	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87





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Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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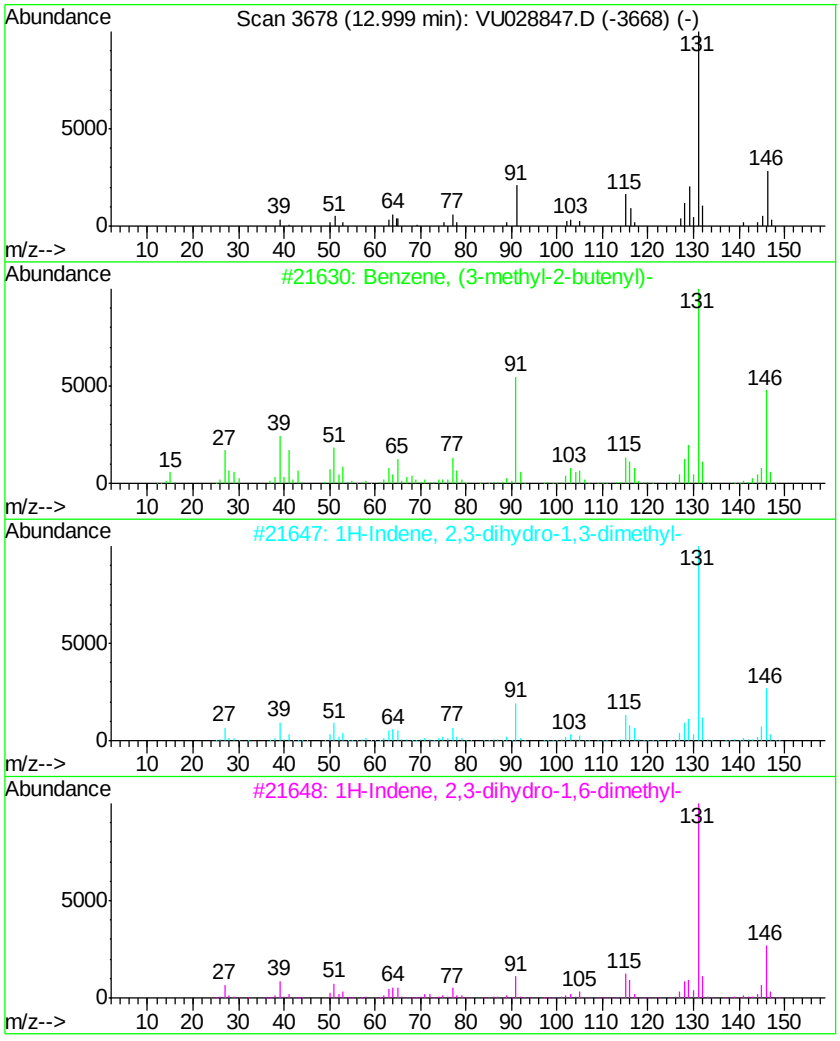
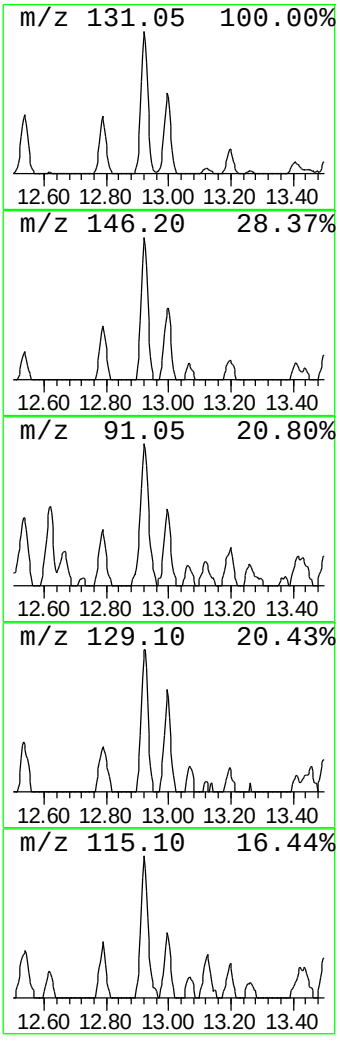
Peak Number 16 Benzene, (3-methyl-2-butenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.92 ug/L	26709	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90





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Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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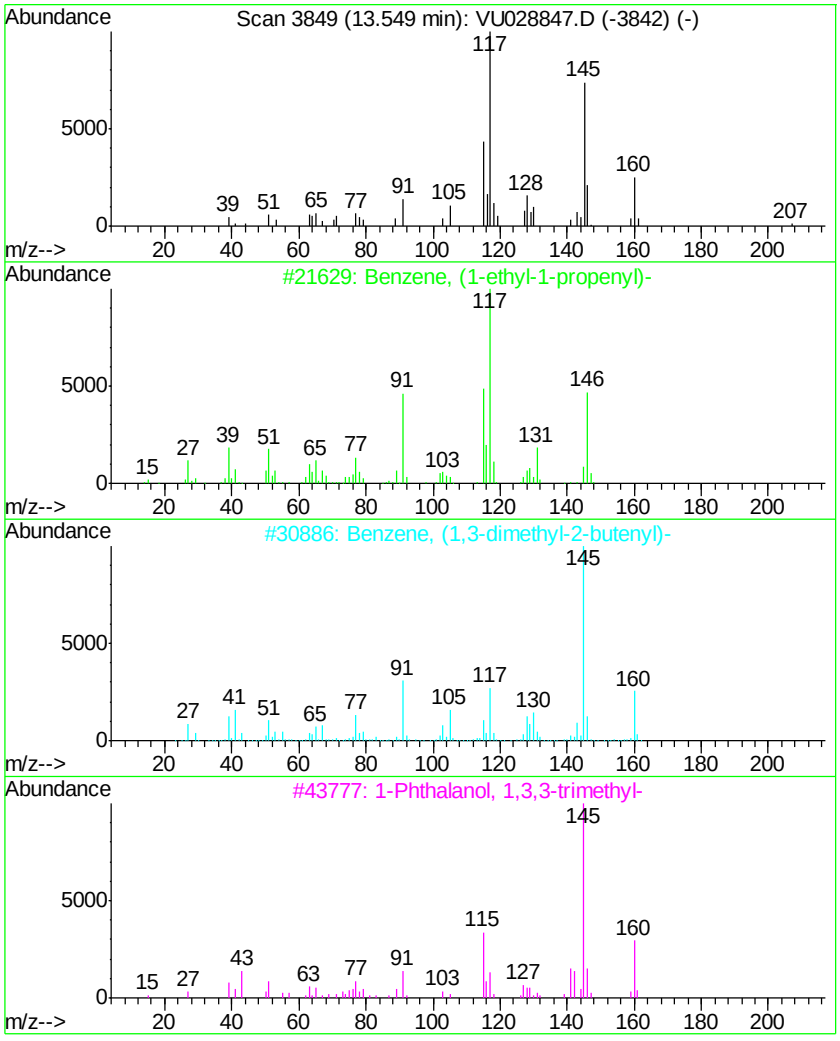
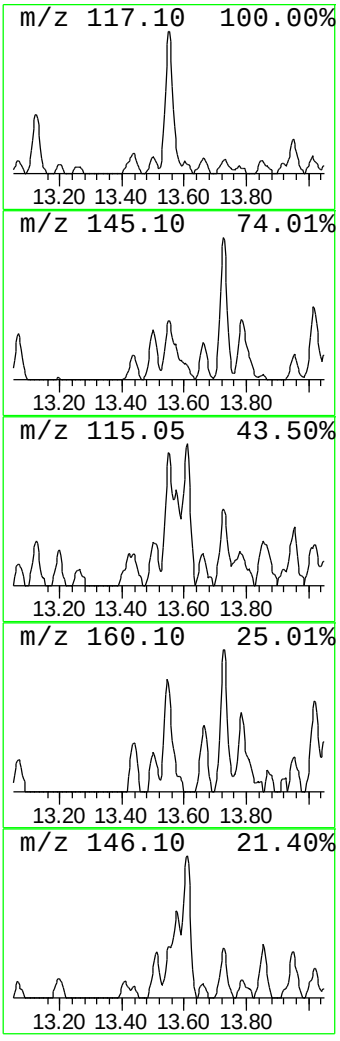
Peak Number 17 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.89 ug/L	26376	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	46
2	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	43
3	1-Phthalanol, 1,3,3-trimethyl-	178	C11H14O2	001521-94-4	43
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	43
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	43





Library Search Compound Report

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Data File : VU028847.D
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Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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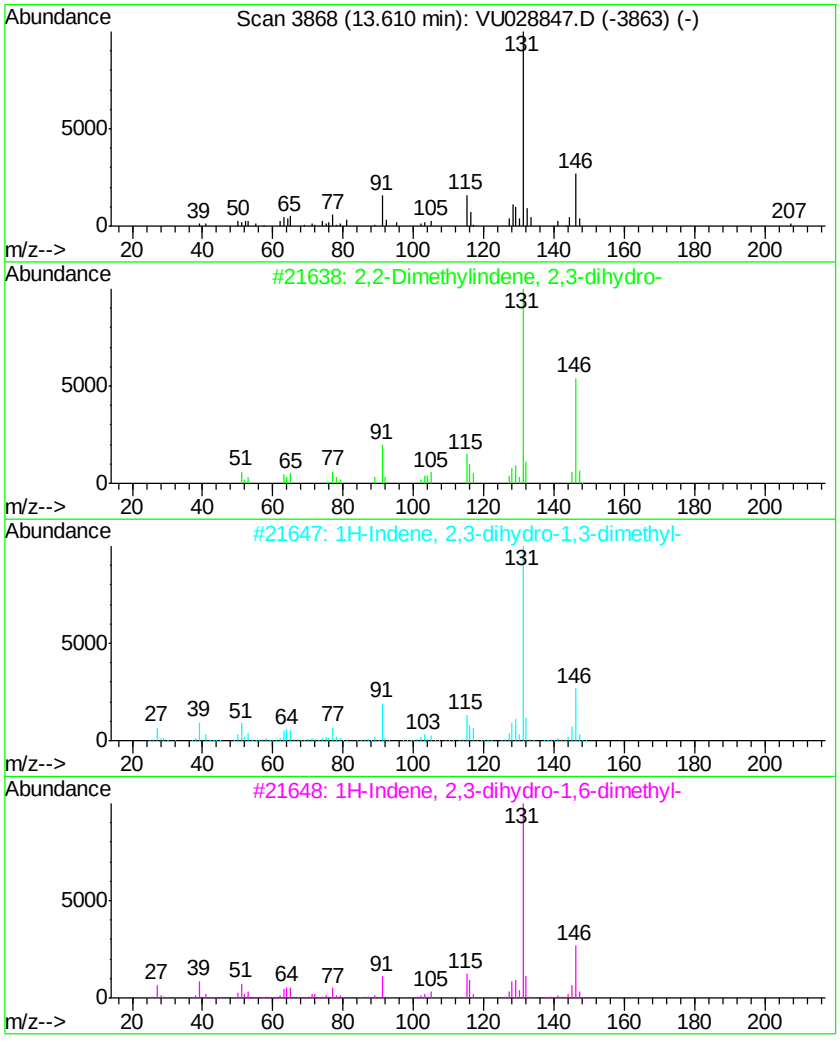
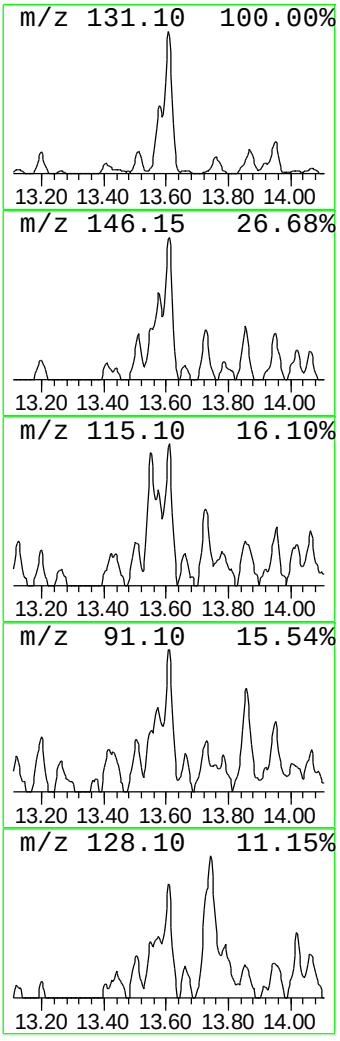
Peak Number 18 2,2-Dimethylindene, 2,3-dih... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	5.37 ug/L	49081	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90





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Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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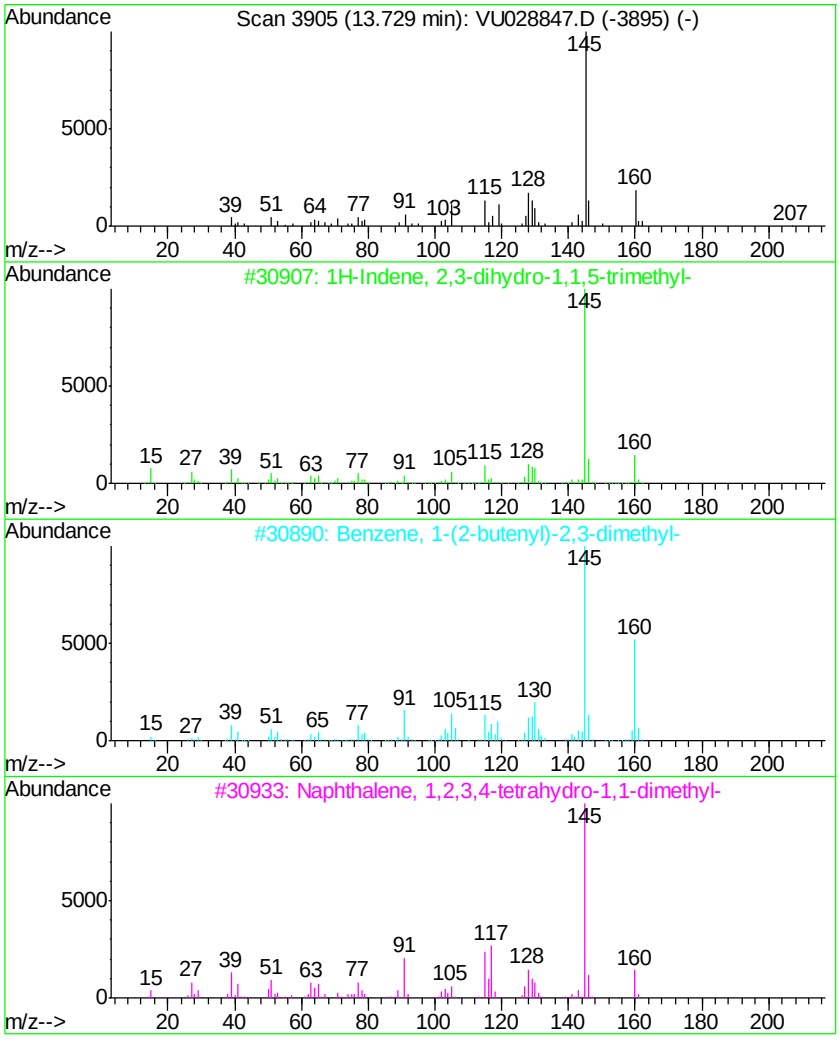
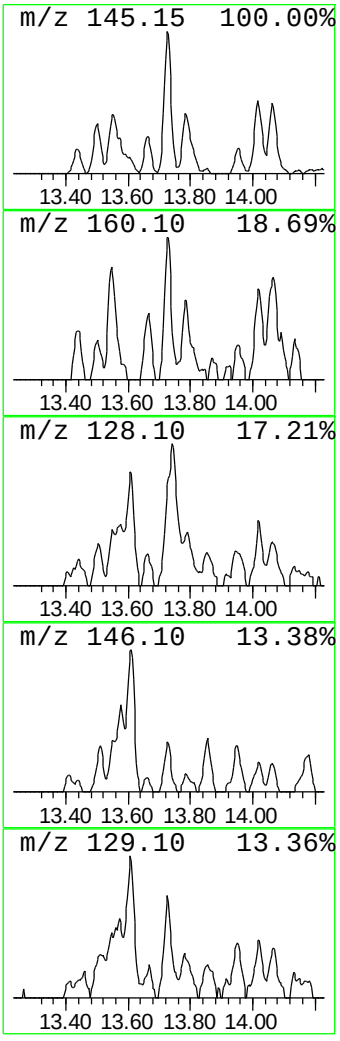
Peak Number 19 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	5.26 ug/L	48102	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	93
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	87
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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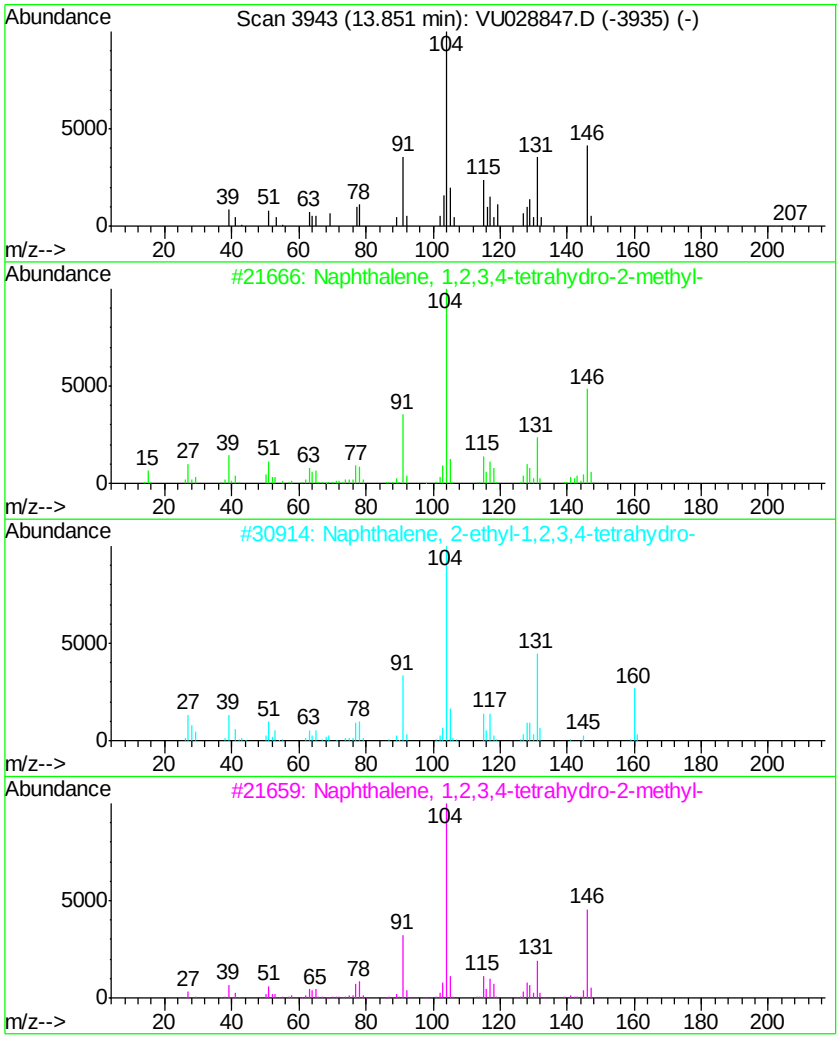
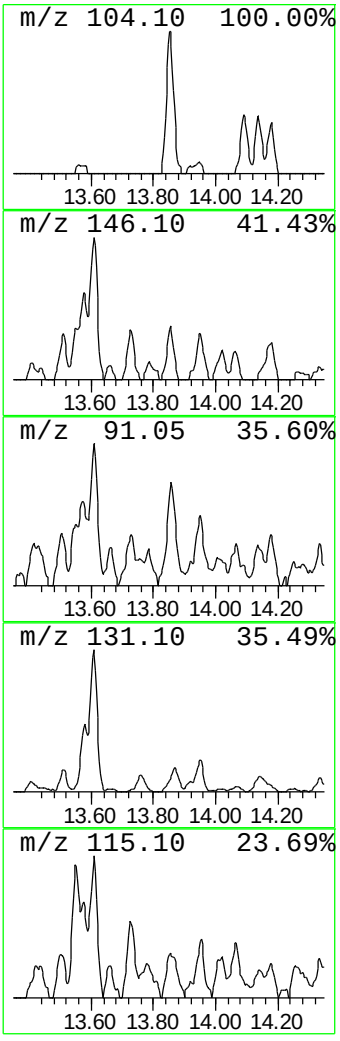
Peak Number 20 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.80 ug/L	25587	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
2	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	59
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	52
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	49
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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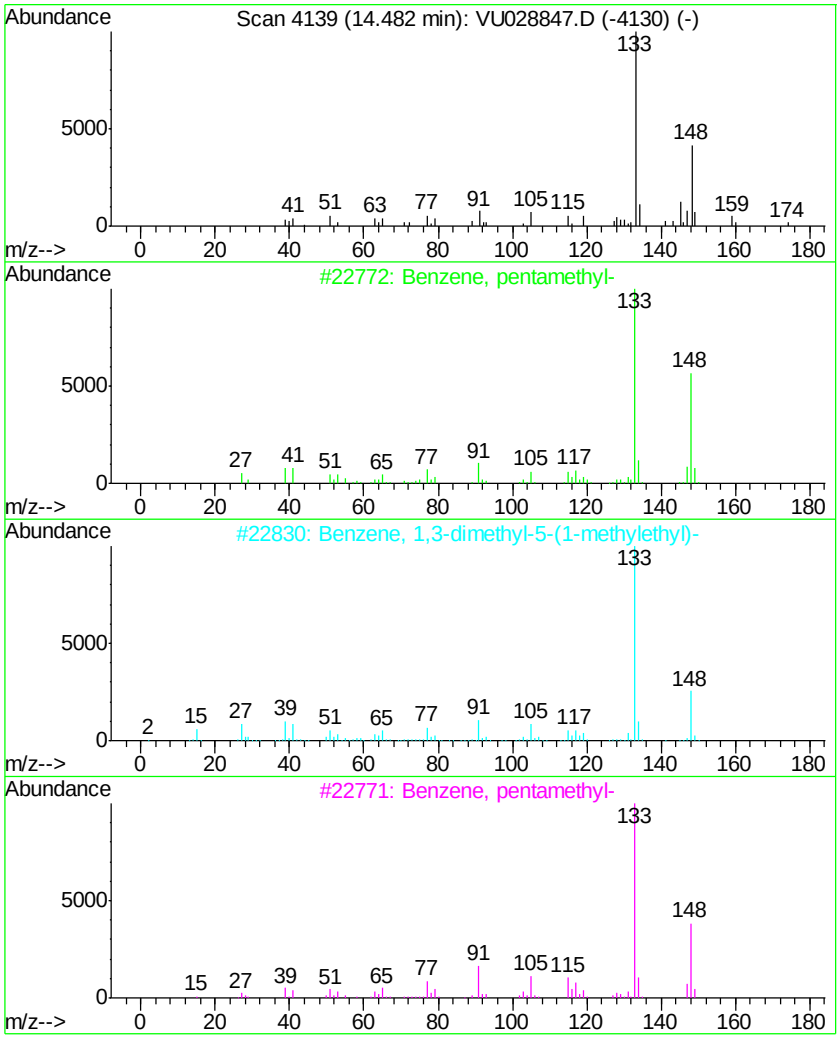
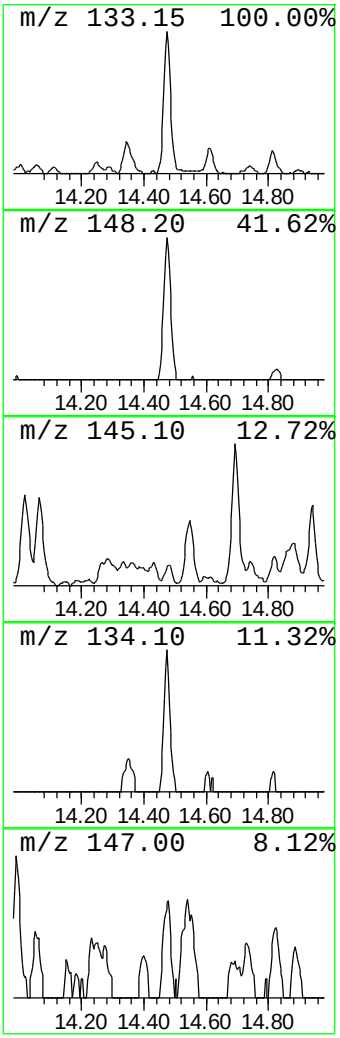
Peak Number 22 Benzene, pentamethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	4.71 ug/L	43092	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	86
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	86
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	80
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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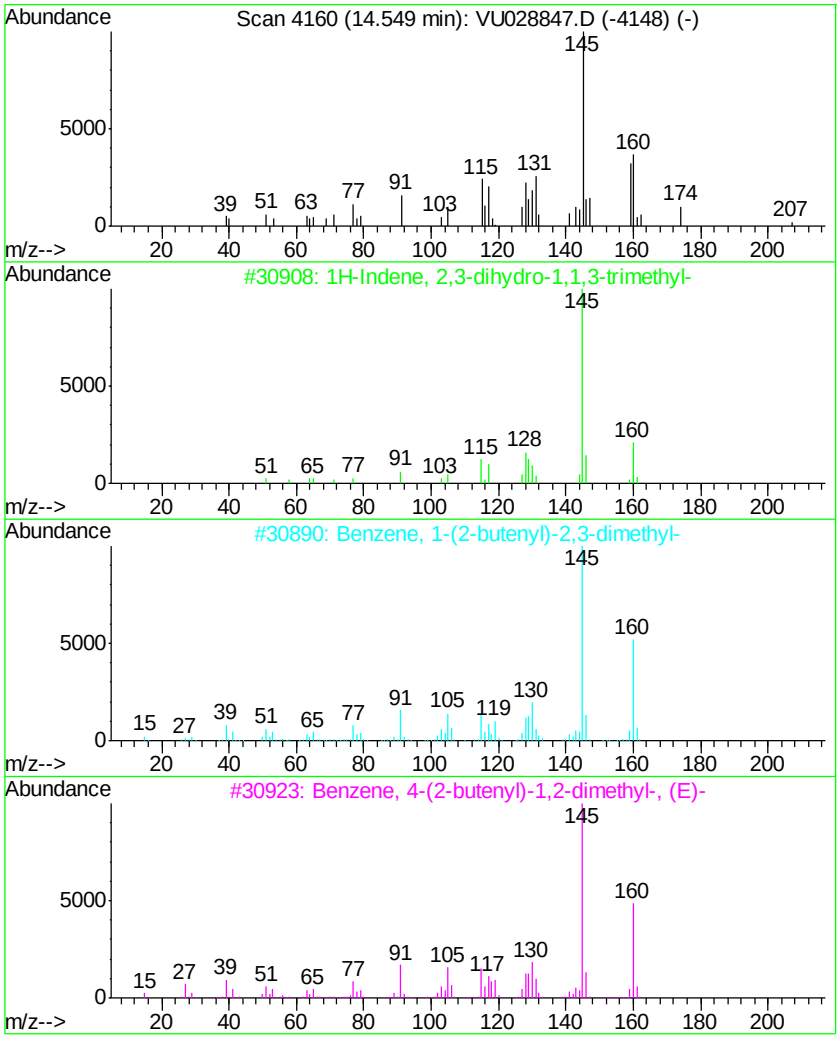
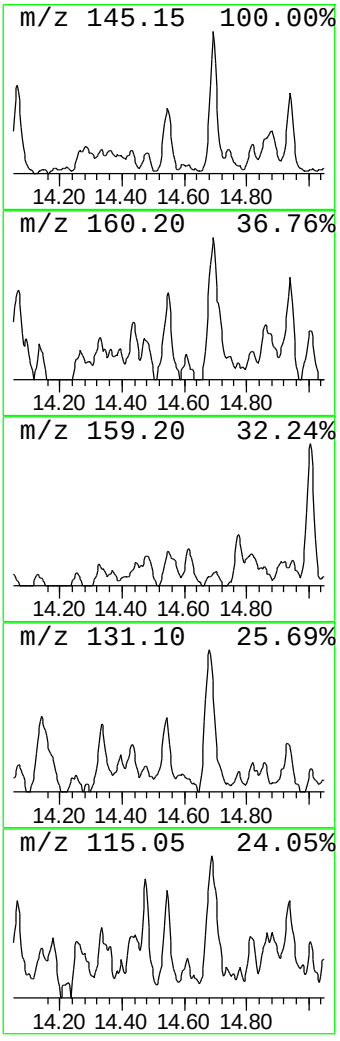
Peak Number 23 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.94 ug/L	26848	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	58
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	58
4	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	55
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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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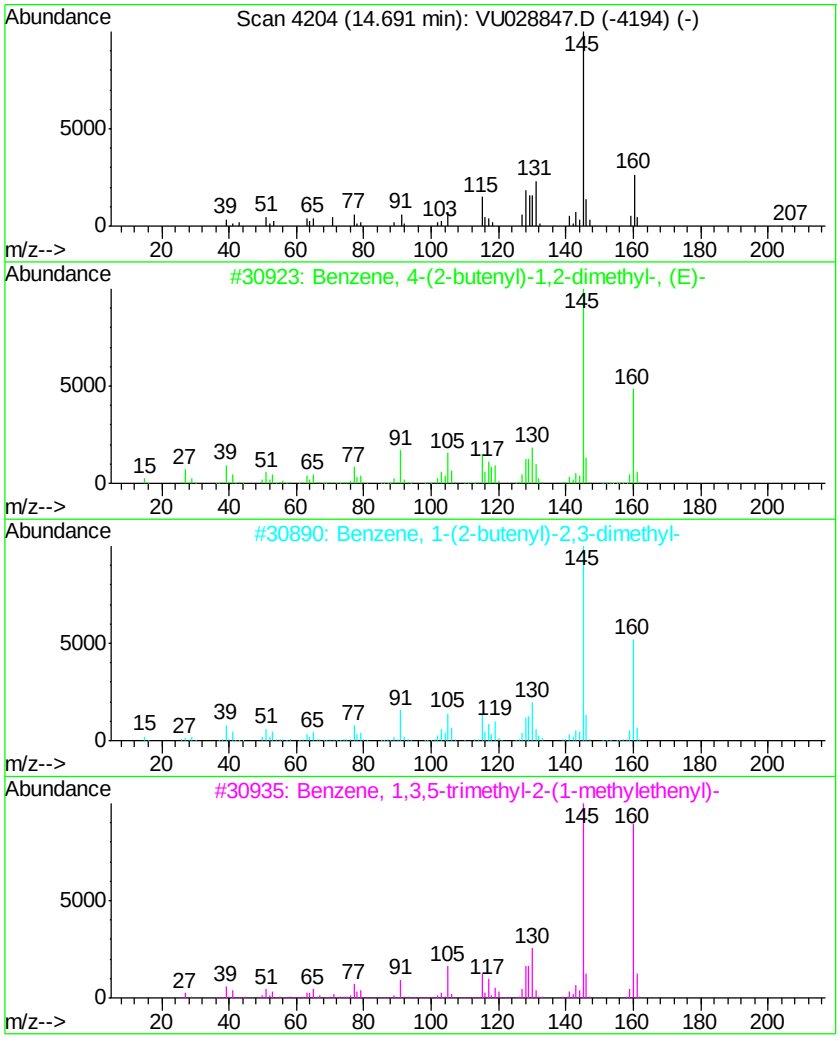
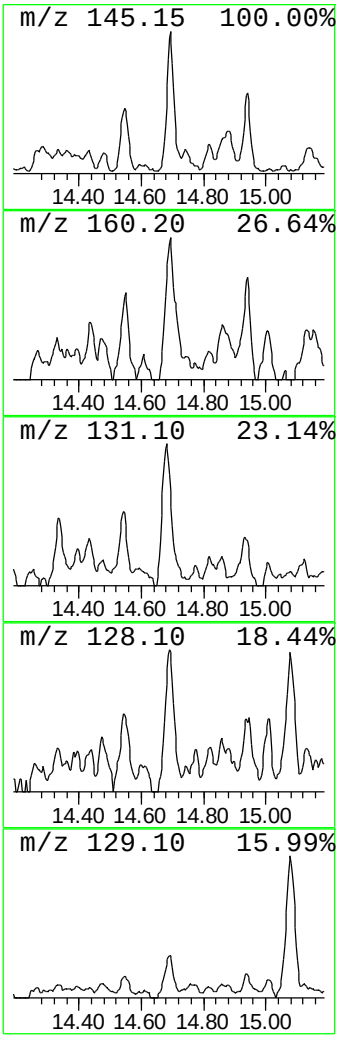
Peak Number 24 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.80 ug/L	43884	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	90
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028847.D
Acq On : 21 Dec 2018 00:20
Operator : MD/SY
Sample : J6513-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F54

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
Isopropyl Alcohol	2.45	3.9	ug/L	33282	1	5.88	432280	50.0
(DEL) Alkane: Cyc...	6.74	4.5	ug/L	38466	1	5.88	432280	50.0
(DEL) Alkane: Cyc...	6.90	6.4	ug/L	55426	1	5.88	432280	50.0
(DEL) Alkane: Cyc...	7.92	9.4	ug/L	98317	2	9.09	522023	50.0
(DEL) Alkane: Cyc...	8.49	2.5	ug/L	26284	2	9.09	522023	50.0
(DEL) Alkane: Cyc...	8.60	4.2	ug/L	43615	2	9.09	522023	50.0
(DEL) Alkane: Cyc...	8.85	2.9	ug/L	29751	2	9.09	522023	50.0
(DEL) Alkane: Cyc...	9.72	4.8	ug/L	49860	2	9.09	522023	50.0
Bicyclo[2.2.2]oct...	10.38	2.6	ug/L	23425	3	11.48	457004	50.0
(DEL) Alkane: Cyc...	10.49	3.6	ug/L	32748	3	11.48	457004	50.0
1H-Indene, 2,3-di...	12.54	3.7	ug/L	34174	3	11.48	457004	50.0
Benzene, (1,1-dim...	12.62	3.2	ug/L	29587	3	11.48	457004	50.0
Benzene, 1-methyl...	12.92	6.6	ug/L	60426	3	11.48	457004	50.0
Benzene, (3-methy...	13.00	2.9	ug/L	26709	3	11.48	457004	50.0
unknown-01	13.55	2.9	ug/L	26376	3	11.48	457004	50.0
2,2-Dimethylinden...	13.61	5.4	ug/L	49081	3	11.48	457004	50.0
1H-Indene, 2,3-di...	13.73	5.3	ug/L	48102	3	11.48	457004	50.0
Naphthalene, 1,2,...	13.85	2.8	ug/L	25587	3	11.48	457004	50.0
Benzene, pentamet...	14.48	4.7	ug/L	43092	3	11.48	457004	50.0
1H-Indene, 2,3-di...	14.55	2.9	ug/L	26848	3	11.48	457004	50.0
Benzene, 4-(2-but...	14.69	4.8	ug/L	43884	3	11.48	457004	50.0