LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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_V\METHOD\SOM2VLM120618S.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	1.315	60	70	79	rBV	101379	108204	12.83%	0.799%
2	1.579	134	152	160	rBV	90682	109491	12.99%	0.809%
3	1.643	163	172	183	rVV	130029	165689	19.65%	1.224%
4	1.817	218	226	239	rVB	30899	42371	5.03%	0.313%
5	2.126	310	322	337	rBV	195738	317038	37.60%	2.341%
6	2.524	430	446	452	rBV2	58525	125923	14.93%	0.930%
7	2.791	513	529	547	rBV	80739	163911	19.44%	1.210%
8	3.074	603	617	633	rBV2	17978	36127	4.28%	0.267%
9	3.582	759	775	795	rBV3	10314	28884	3.43%	0.213%
10	3.711	795	815	830	rBV3	41029	108422	12.86%	0.801%
11	3.807	830	845	861	rVB2	22608	54826	6.50%	0.405%
12	3.942	866	887	930	rVV3	32246	133885	15.88%	0.989%
13	4.396	1010	1028	1062	rBV	144452	392021	46.49%	2.895%
14	4.714	1110	1127	1141	rBV3	48787	120602	14.30%	0.891%
15	4.811	1141	1157	1182	rVB2	94238	239073	28.35%	1.766%
16	4.952	1184	1201	1226	rBV3	77194	197343	23.41%	1.457%
17	5.093	1226	1245	1273	rVV3	328811	843160	100.00%	6.227%
18	5.225	1273	1286	1291	rVV5	45585	102544	12.16%	0.757%
19	5.277	1292	1302	1319	rVV	136224	361323	42.85%	2.668%
20	5.367	1319	1330	1348	rVV4	28148	67112	7.96%	0.496%
21	5.534	1369	1382	1397	rBV2	27895	55885	6.63%	0.413%
22	5.659	1406	1421	1458	rBV	281383	593708	70.41%	4.384%
23	5.946	1500	1510	1528	rBV8	10165	28377	3.37%	0.210%
24	6.116	1548	1563	1575	rBV	191569	438517	52.01%	3.238%
25	6.241	1592	1602	1610	rBV2	63456	113457	13.46%	0.838%
26	6.299	1610	1620	1631	rVV2	85019	155014	18.38%	1.145%
27	6.409	1644	1654	1665	rVB3	16244	31618	3.75%	0.233%
28	6.502	1665	1683	1700	rVB5	54058	121579	14.42%	0.898%
29	6.695	1723	1743	1761	rVB4	100159	247615	29.37%	1.829%
30	6.820	1761	1782	1792	rBV	98783	217613	25.81%	1.607%
31	6.878	1792	1800	1810	rVB	52624	86412	10.25%	0.638%
32	6.958	1817	1825	1832	rBV2	51241	77829	9.23%	0.575%
33	7.029	1832	1847	1856	rVB2	95118	208243	24.70%	1.538%
34	7.122	1868	1876	1882	rBV	73203	113785	13.50%	0.840%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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_V\METHOD\SOM2VLM120618S.M
Title : VOC Analysis

35	7.219	1898	1906	1918	rVB3	22767	46955	5.57%	0.347%
36	7.306	1918	1933	1940	rBV4	123749	243648	28.90%	1.799%
37	7.357	1940	1949	1964	rVB	391231	692889	82.18%	5.117%
38	7.479	1978	1987	1995	rBV3	35097	61307	7.27%	0.453%
39	7.608	2020	2027	2035	rBV4	22752	43021	5.10%	0.318%
40	7.662	2036	2044	2050	rVV	58150	97634	11.58%	0.721%
41	7.698	2051	2055	2075	rVB3	57329	97009	11.51%	0.716%
42	7.830	2077	2096	2105	rBV3	53270	109014	12.93%	0.805%
43	7.884	2105	2113	2120	rBV3	29368	50251	5.96%	0.371%
44	8.016	2144	2154	2165	rVB2	33906	57091	6.77%	0.422%
45	8.132	2177	2190	2212	rBV6	107046	256570	30.43%	1.895%
46	8.248	2217	2226	2232	rBV	76493	135366	16.05%	1.000%
47	8.331	2247	2252	2261	rVB3	33071	50844	6.03%	0.375%
48	8.396	2261	2272	2280	rBV2	41025	82275	9.76%	0.608%
49	8.550	2310	2320	2330	rBV7	27525	52673	6.25%	0.389%
50	8.611	2331	2339	2343	rBV3	32236	49439	5.86%	0.365%
51	8.707	2362	2369	2381	rVB2	100065	168058	19.93%	1.241%
52	8.830	2394	2407	2417	rBV2	108201	188213	22.32%	1.390%
53	8.897	2417	2428	2445	rBV	381702	648877	76.96%	4.792%
54	9.042	2466	2473	2486	rVB8	21819	50893	6.04%	0.376%
55	9.148	2487	2506	2513	rBV6	36075	99707	11.83%	0.736%
56	9.244	2528	2536	2560	rVB10	34709	117125	13.89%	0.865%
57	9.367	2563	2574	2584	rBV5	16418	31619	3.75%	0.234%
58	9.515	2609	2620	2630	rVV3	64754	119119	14.13%	0.880%
59	9.621	2640	2653	2664	rBV5	38956	80055	9.49%	0.591%
60	9.720	2676	2684	2686	rBV5	25810	31569	3.74%	0.233%
61	9.749	2688	2693	2702	rVB3	58247	89006	10.56%	0.657%
62	9.846	2714	2723	2733	rVB6	52968	91944	10.90%	0.679%
63	9.974	2753	2763	2769	rBV5	12925	24417	2.90%	0.180%
64	10.058	2783	2789	2796	rBV2	26125	37023	4.39%	0.273%
65	10.167	2816	2823	2835	rVB7	37882	70711	8.39%	0.522%
66	10.260	2836	2852	2869	rVB	182977	350368	41.55%	2.587%
67	10.556	2935	2944	2954	rBV3	22897	40056	4.75%	0.296%
68	10.617	2956	2963	2973	rVB9	15129	27705	3.29%	0.205%
69	10.781	3006	3014	3020	rBV4	15154	27698	3.29%	0.205%
70	11.100	3099	3113	3120	rBV3	26145	63948	7.58%	0.472%
71	11.199	3135	3144	3151	rBV6	20633	33866	4.02%	0.250%

LSC Area Percent Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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_V\METHOD\SOM2VLM120618S.M
Title : VOC Analysis

72	11.296	3164	3174	3194	rVB	316563	529640	62.82%	3.911%
73	11.595	3256	3267	3278	rBV	43888	71419	8.47%	0.527%
74	11.672	3278	3291	3309	rVB2	325355	592140	70.23%	4.373%
75	11.865	3345	3351	3367	rVB5	16191	29034	3.44%	0.214%
76	12.064	3397	3413	3435	rVB	76336	154885	18.37%	1.144%
77	12.167	3435	3445	3451	rBV2	35400	64825	7.69%	0.479%
78	12.289	3475	3483	3496	rBV9	26777	59010	7.00%	0.436%
79	12.428	3513	3526	3531	rBV6	31575	62713	7.44%	0.463%
80	12.460	3532	3536	3547	rVB3	47118	71930	8.53%	0.531%
81	12.521	3548	3555	3568	rVB3	15747	27151	3.22%	0.201%
82	12.598	3569	3579	3588	rBV2	64781	95207	11.29%	0.703%
83	12.723	3602	3618	3628	rBV8	26633	82043	9.73%	0.606%
84	12.775	3628	3634	3641	rVB2	24298	35091	4.16%	0.259%
85	12.846	3649	3656	3664	rVB2	17896	24763	2.94%	0.183%
86	12.932	3664	3683	3690	rBV4	41303	101617	12.05%	0.750%
87	12.974	3691	3696	3710	rVB3	22933	44261	5.25%	0.327%
88	13.048	3710	3719	3727	rBV	52696	78967	9.37%	0.583%
89	13.215	3762	3771	3778	rBV3	29114	47437	5.63%	0.350%
90	13.264	3778	3786	3794	rVB2	44735	68140	8.08%	0.503%
91	13.318	3794	3803	3811	rBV2	77694	115022	13.64%	0.849%
92	13.450	3839	3844	3858	rVB2	31987	50228	5.96%	0.371%
93	13.524	3858	3867	3882	rBV2	16781	48222	5.72%	0.356%
94	13.653	3901	3907	3917	rVB7	15242	25349	3.01%	0.187%
95	13.762	3928	3941	3950	rBV8	36694	79569	9.44%	0.588%
96	13.958	3994	4002	4016	rVB2	35240	55673	6.60%	0.411%
97	14.090	4029	4043	4049	rVB4	12724	24691	2.93%	0.182%
98	14.145	4050	4060	4072	rBV5	38008	83233	9.87%	0.615%
99	14.286	4097	4104	4112	rBV3	22222	33293	3.95%	0.246%
100	14.354	4117	4125	4135	rVB4	32528	60067	7.12%	0.444%

Sum of corrected areas: 13541184

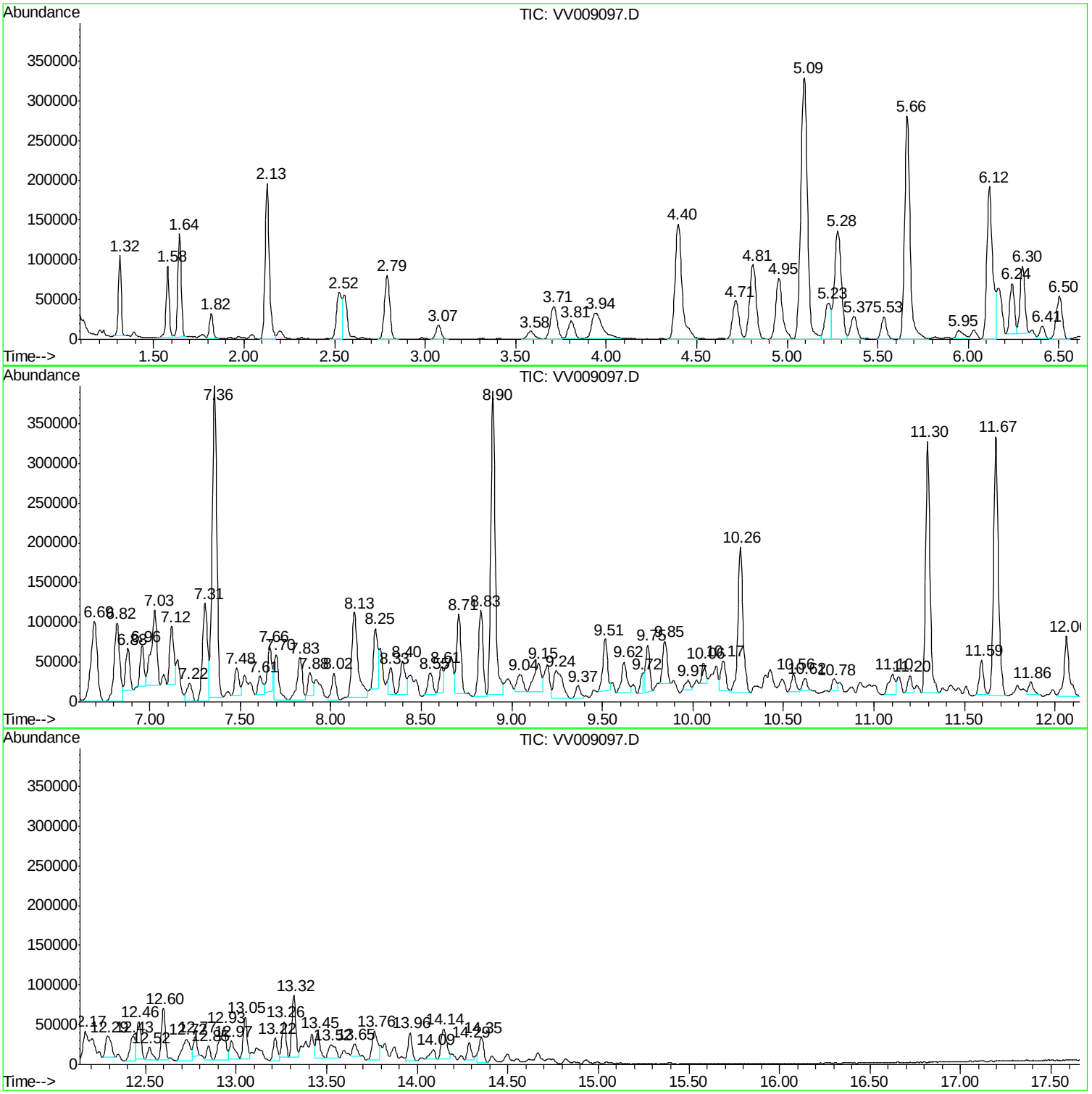
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

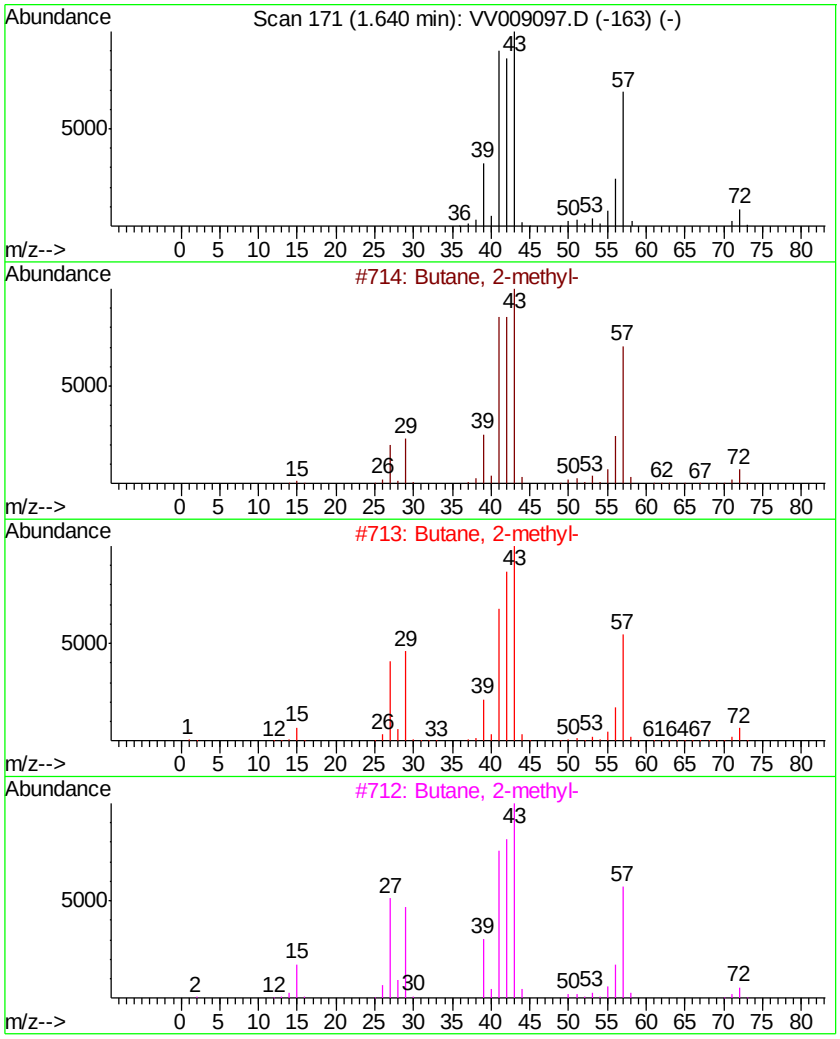
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

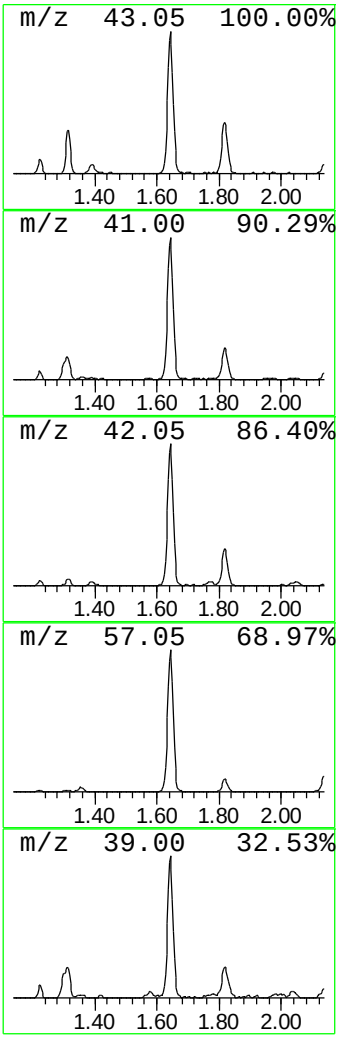
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.64	6.98 ug/L	165689	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

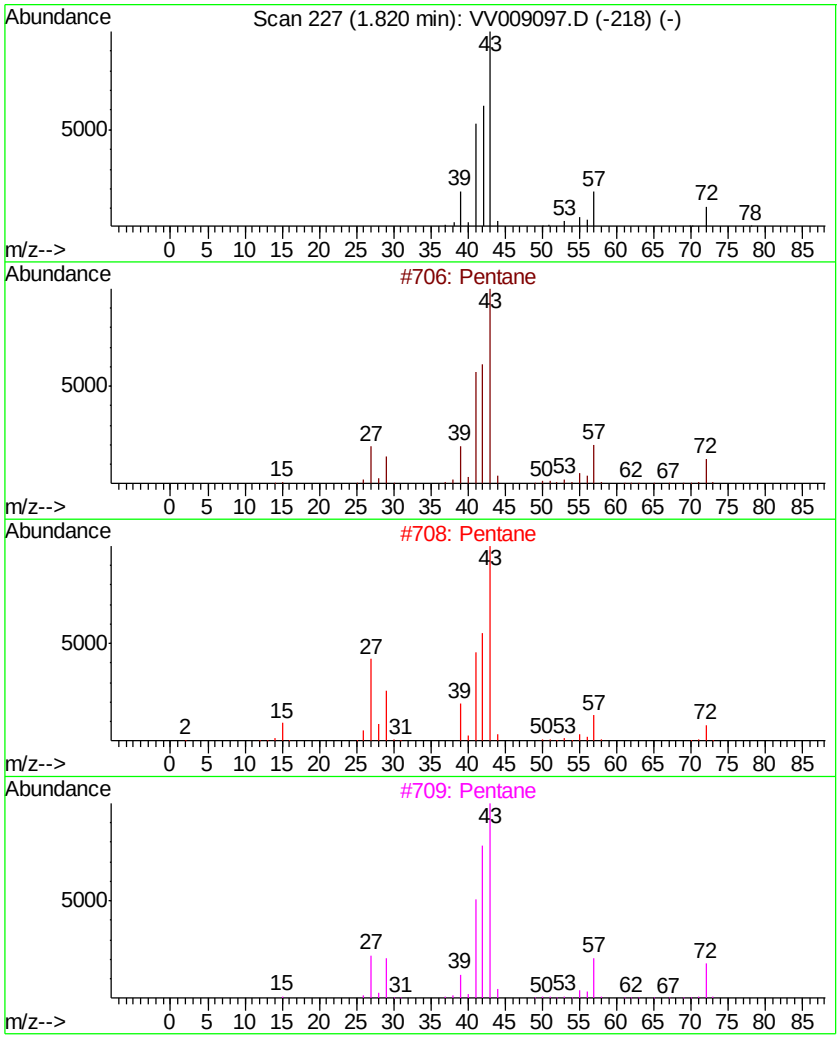
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

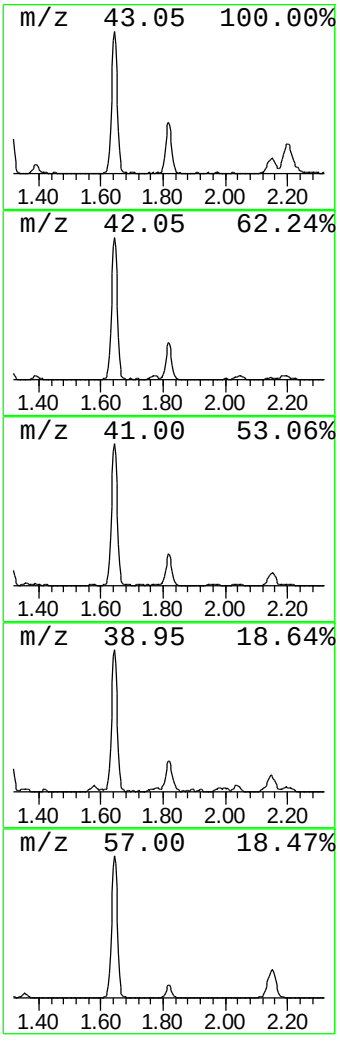
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	1.78 ug/L	42371	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	3-Buten-1-ol	72	C4H8O	000627-27-0	40





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

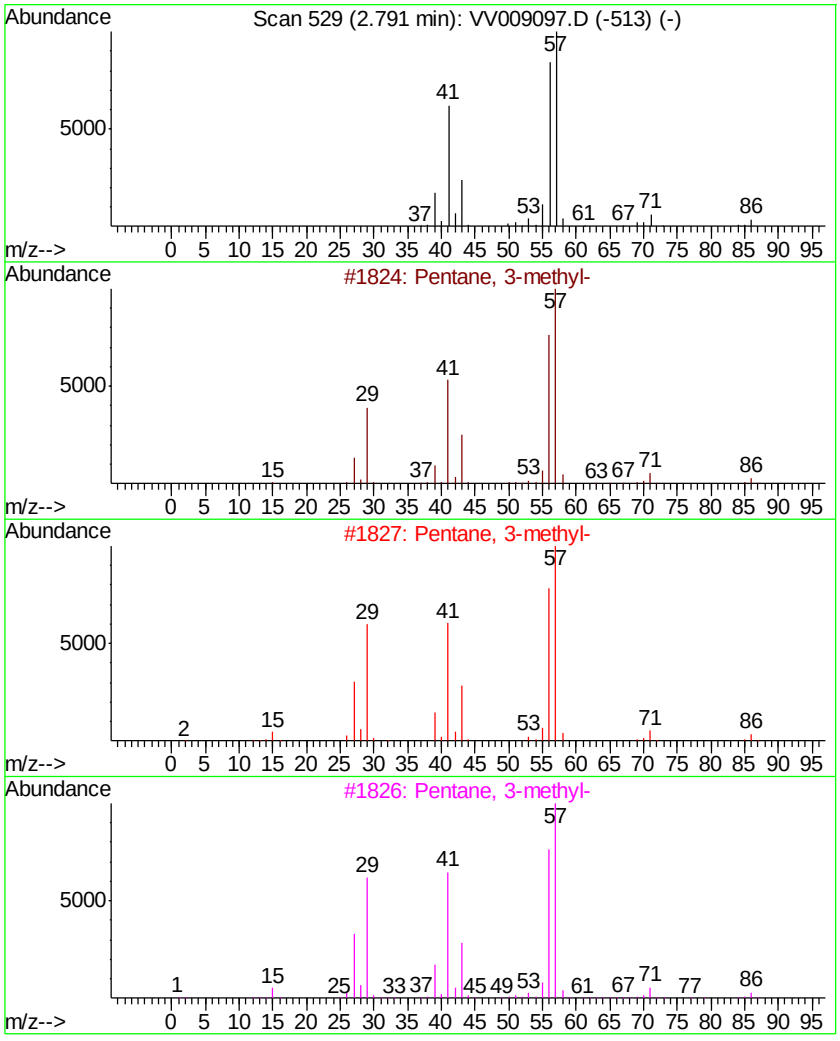
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

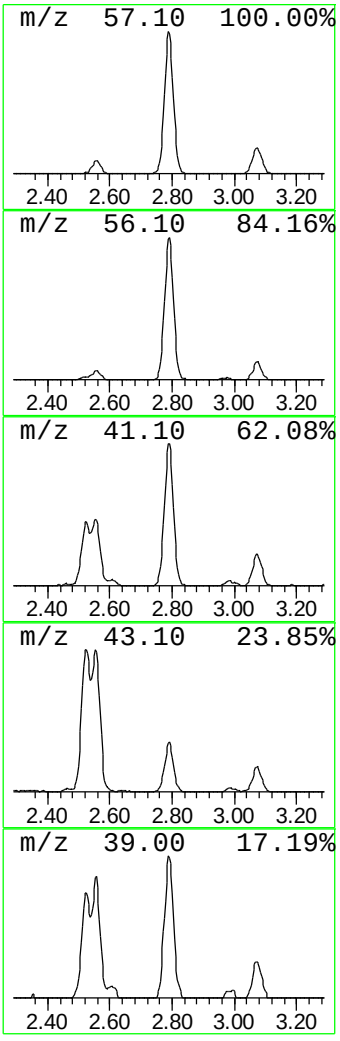
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	6.90 ug/L	163911	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

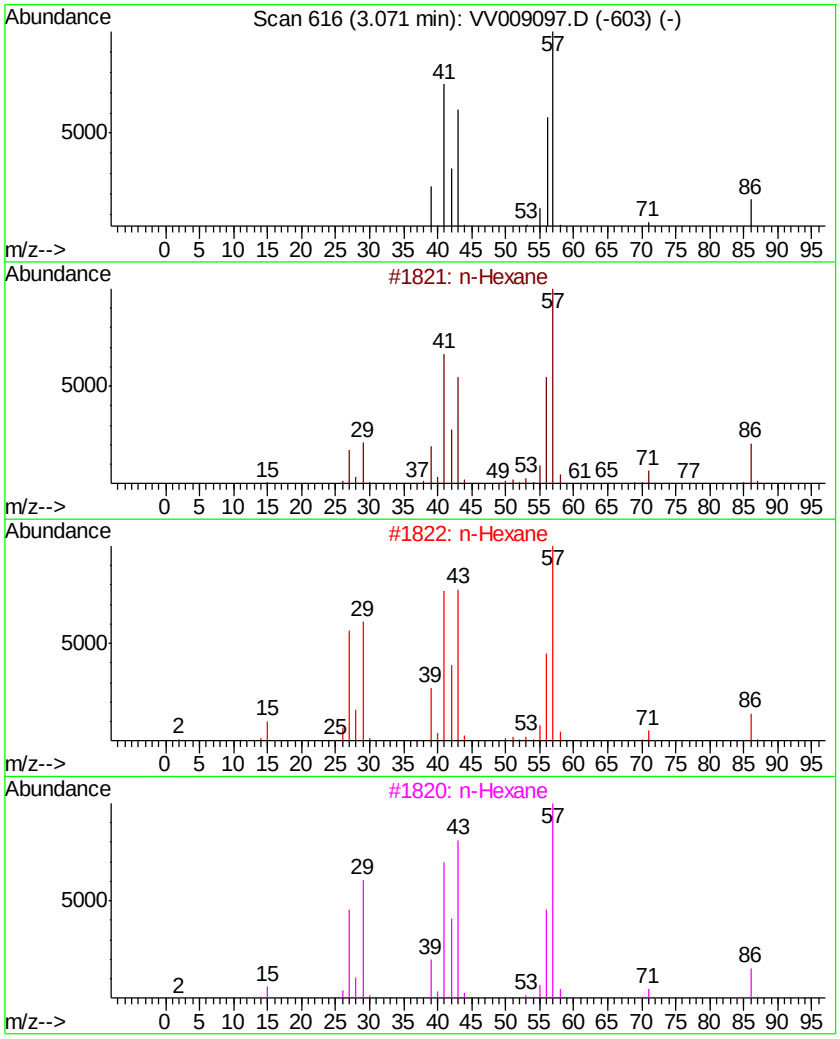
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

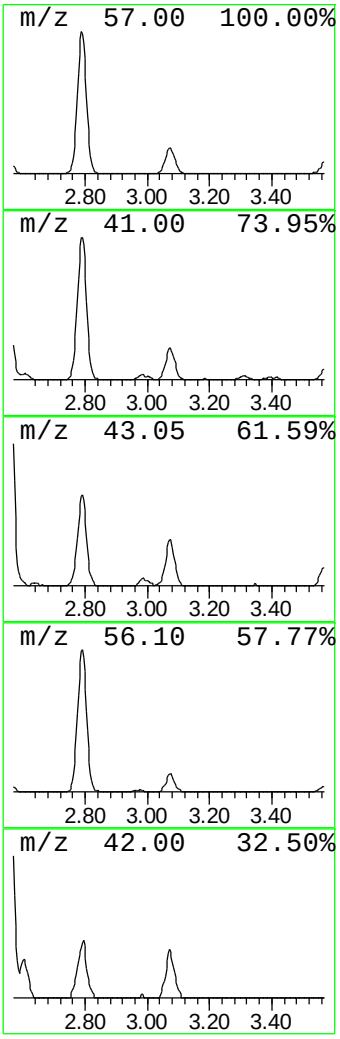
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	1.52 ug/L	36127	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	59
3	n-Hexane	86	C6H14	000110-54-3	53
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	38
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

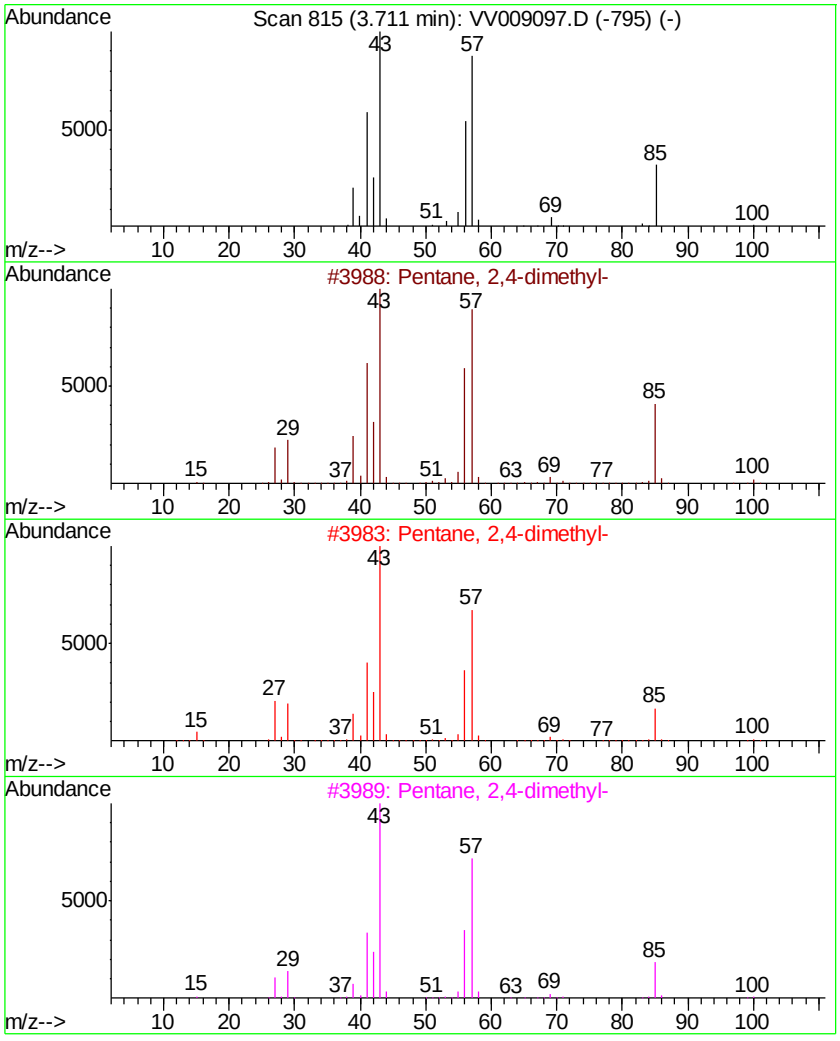
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

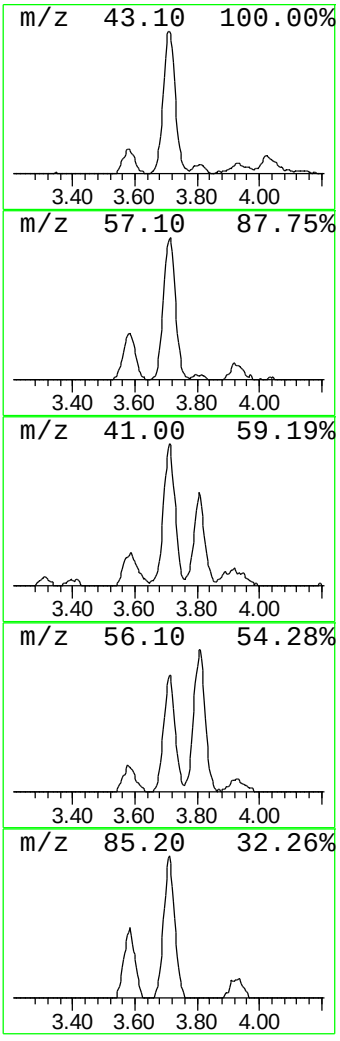
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	4.57 ug/L	108422	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

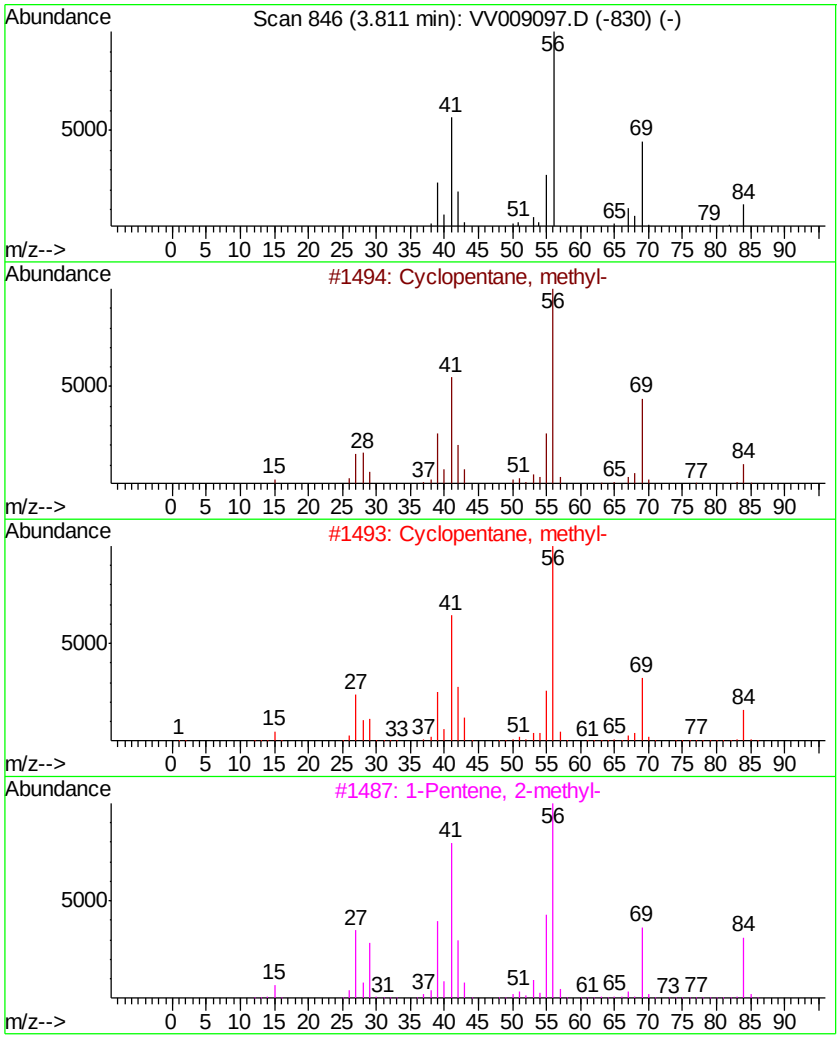
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

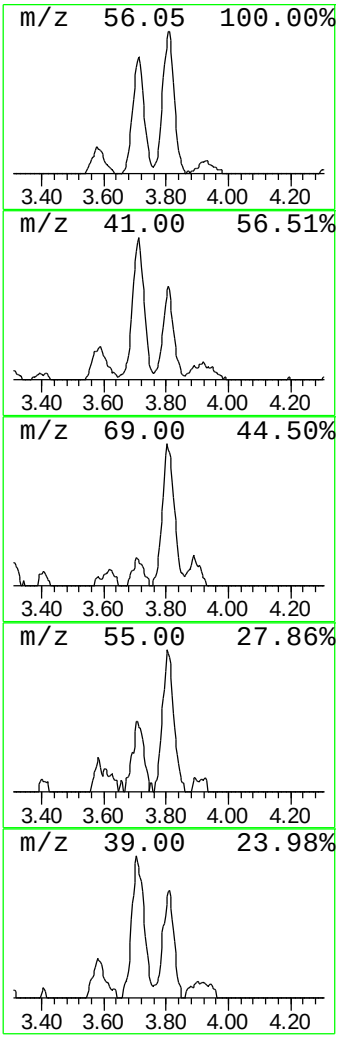
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic3.81 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	2.31 ug/L	54826	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
4	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	59
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	56





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Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

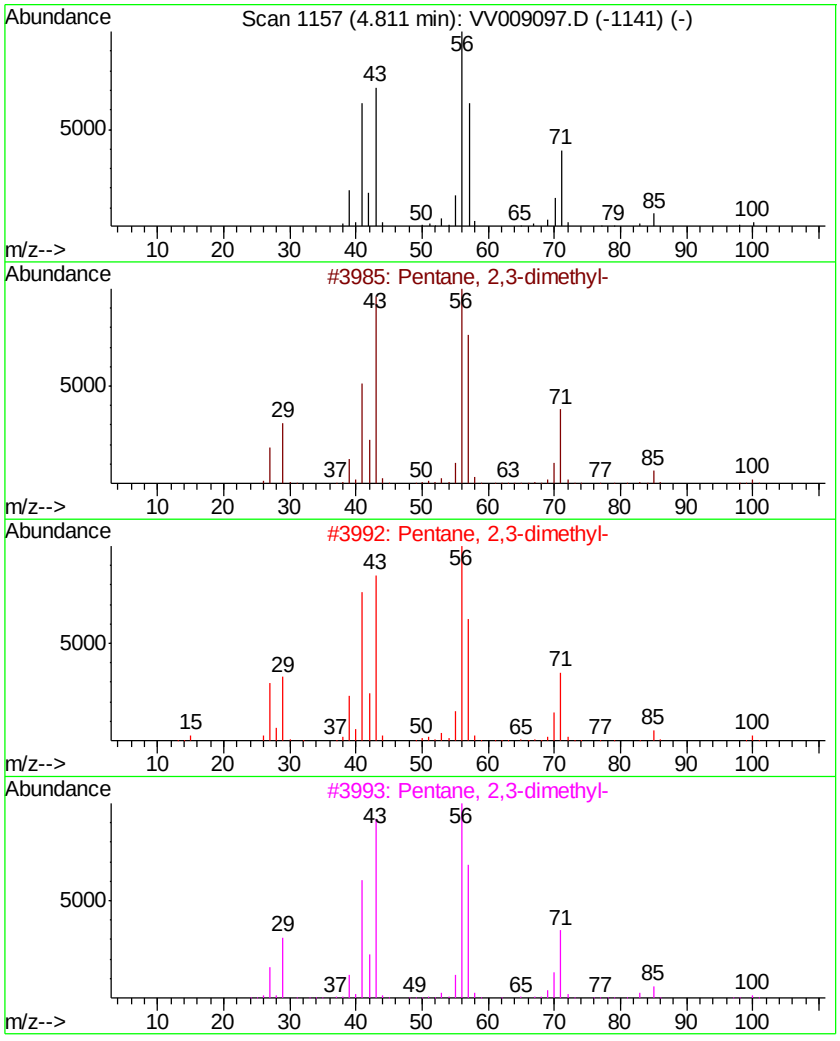
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

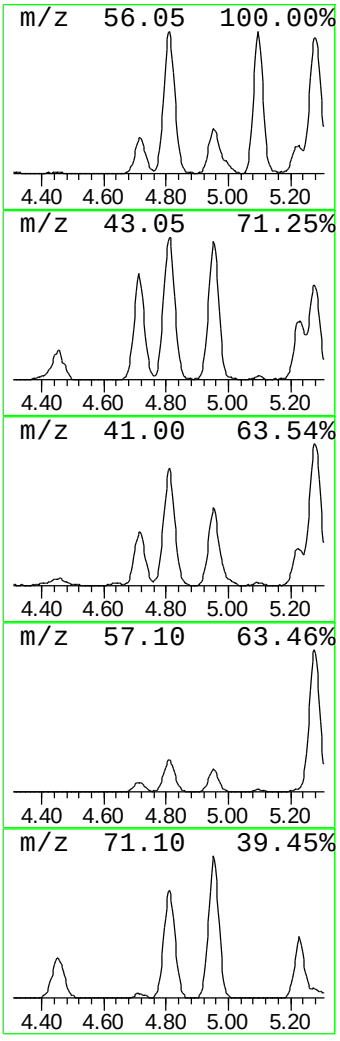
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	10.07 ug/L	239073	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	56





Library Search Compound Report

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Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

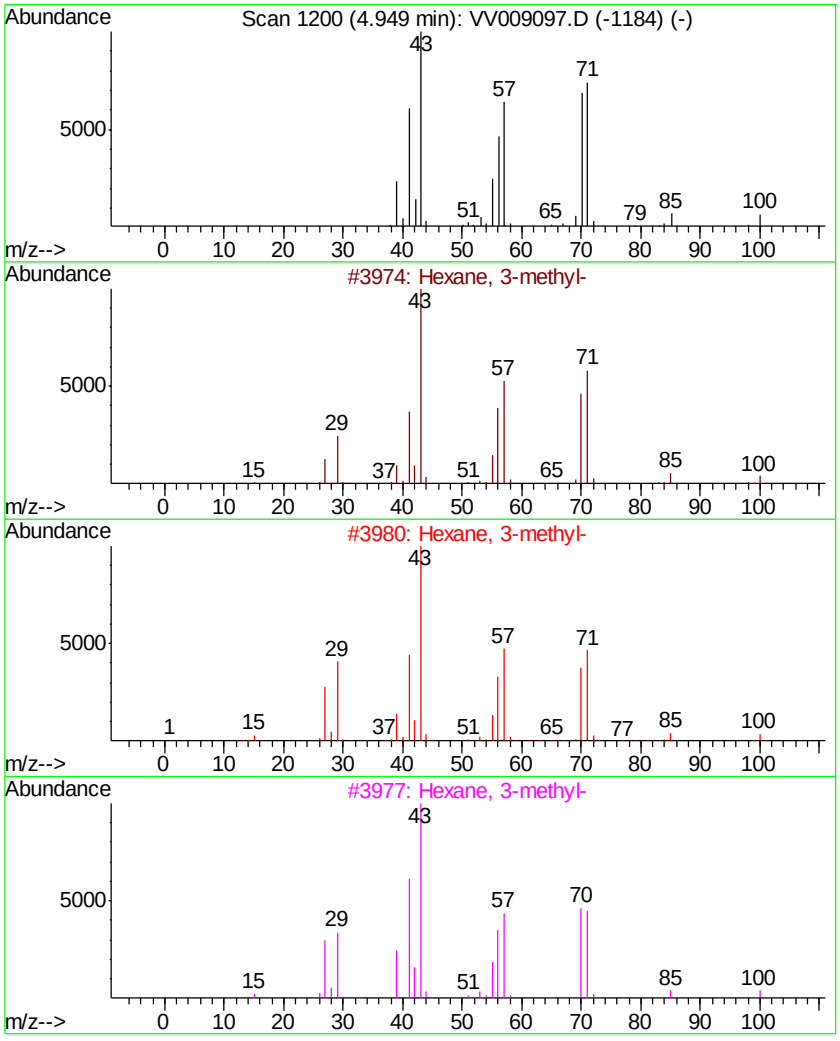
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

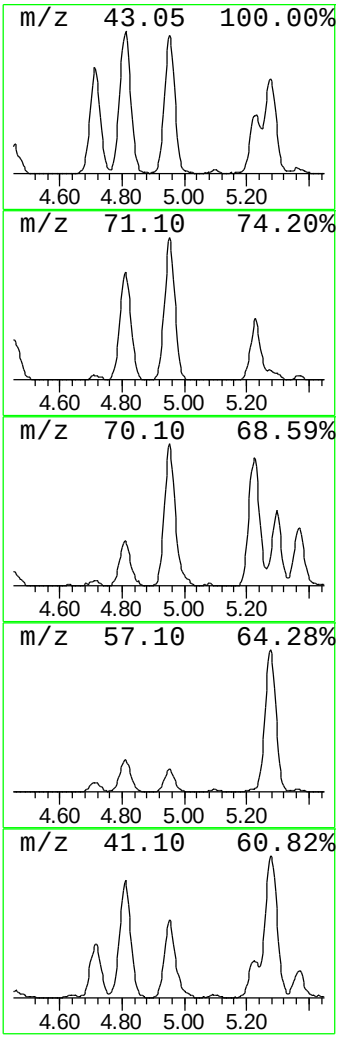
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	8.31 ug/L	197343	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
4	Heptane	100	C7H16	000142-82-5	64
5	Heptane	100	C7H16	000142-82-5	64





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

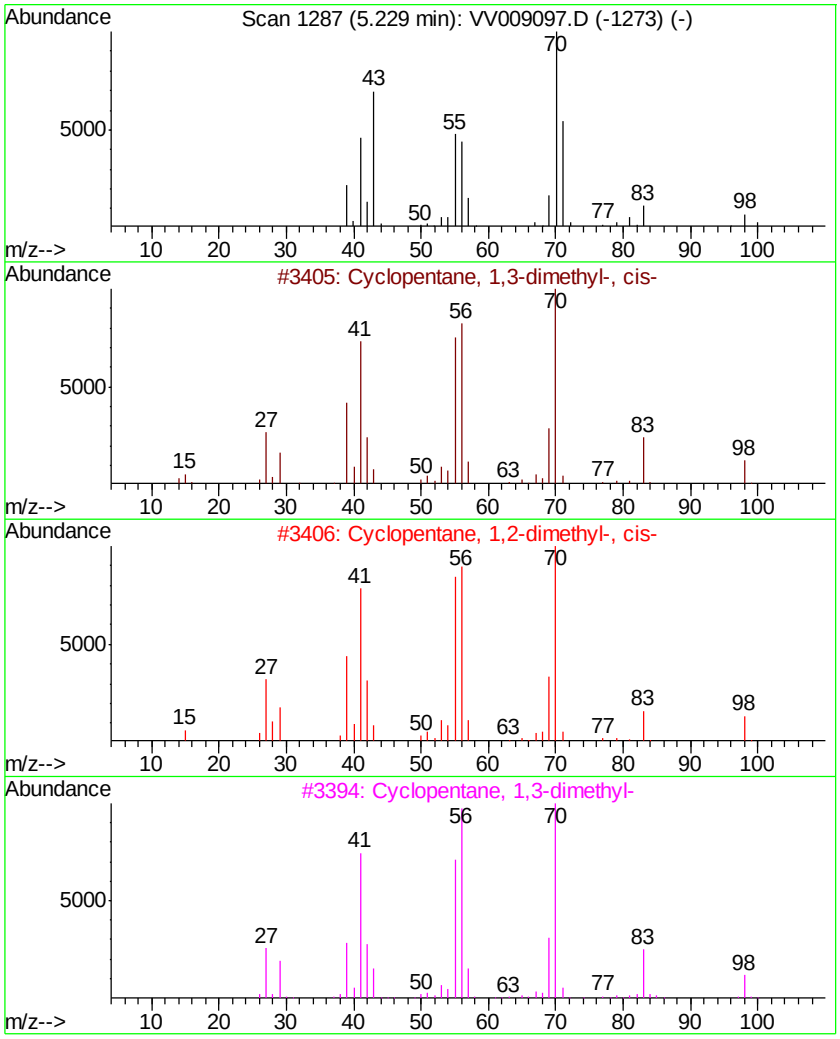
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

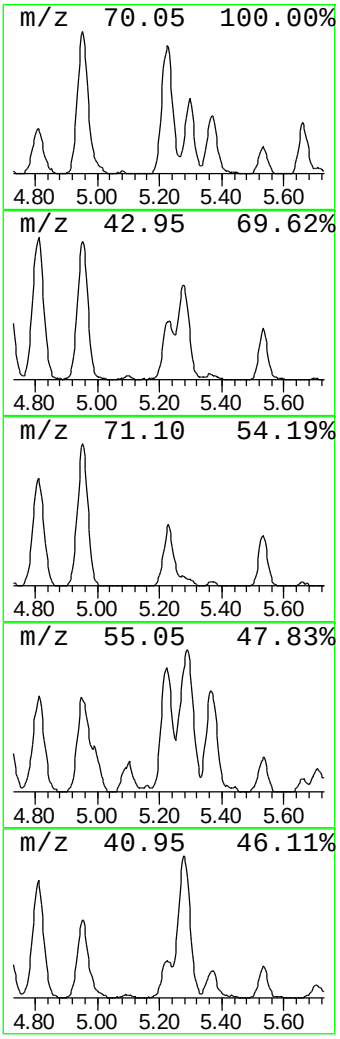
****

Peak Number 9 (DEL) Alkane: Cyclic5.23 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	4.32 ug/L	102544	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49
4	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	47
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	43





Library Search Compound Report

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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

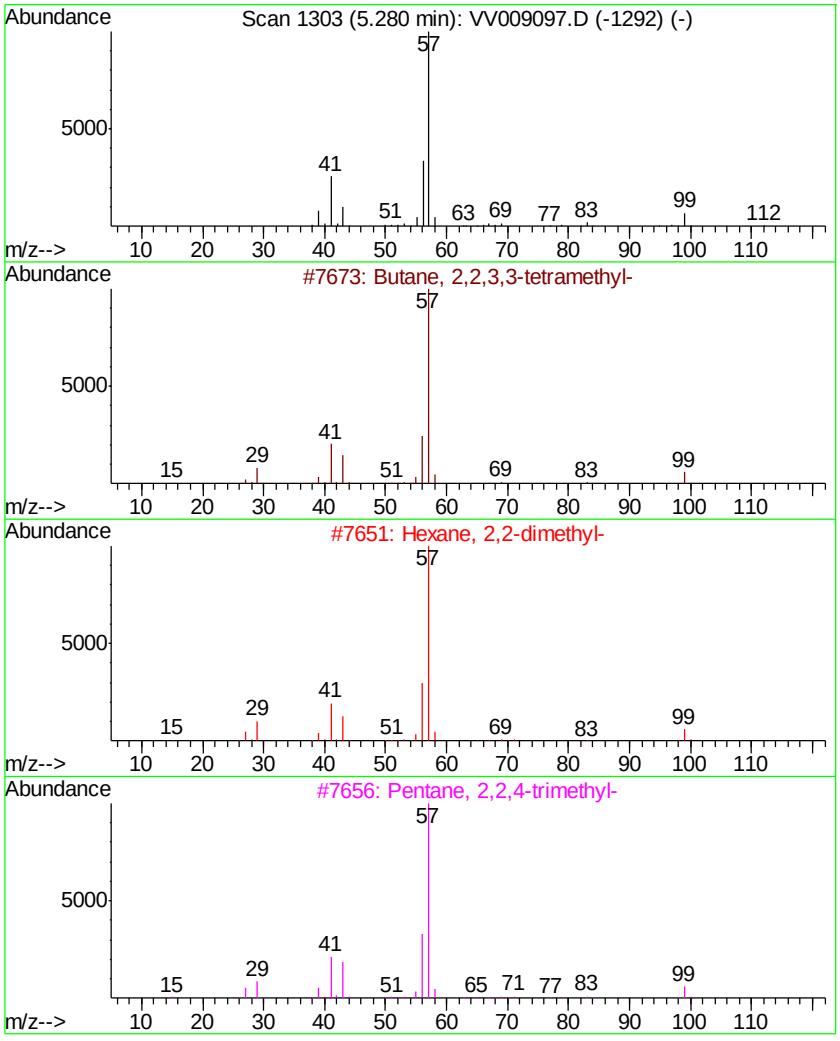
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

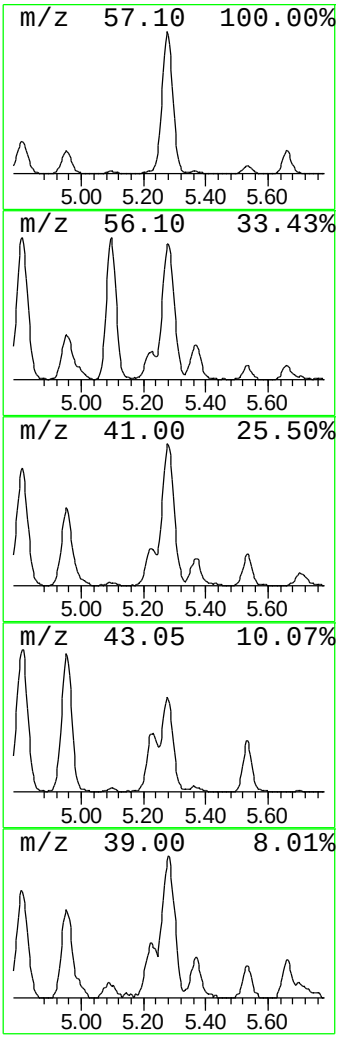
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	15.21 ug/L	361323	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64





Library Search Compound Report

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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

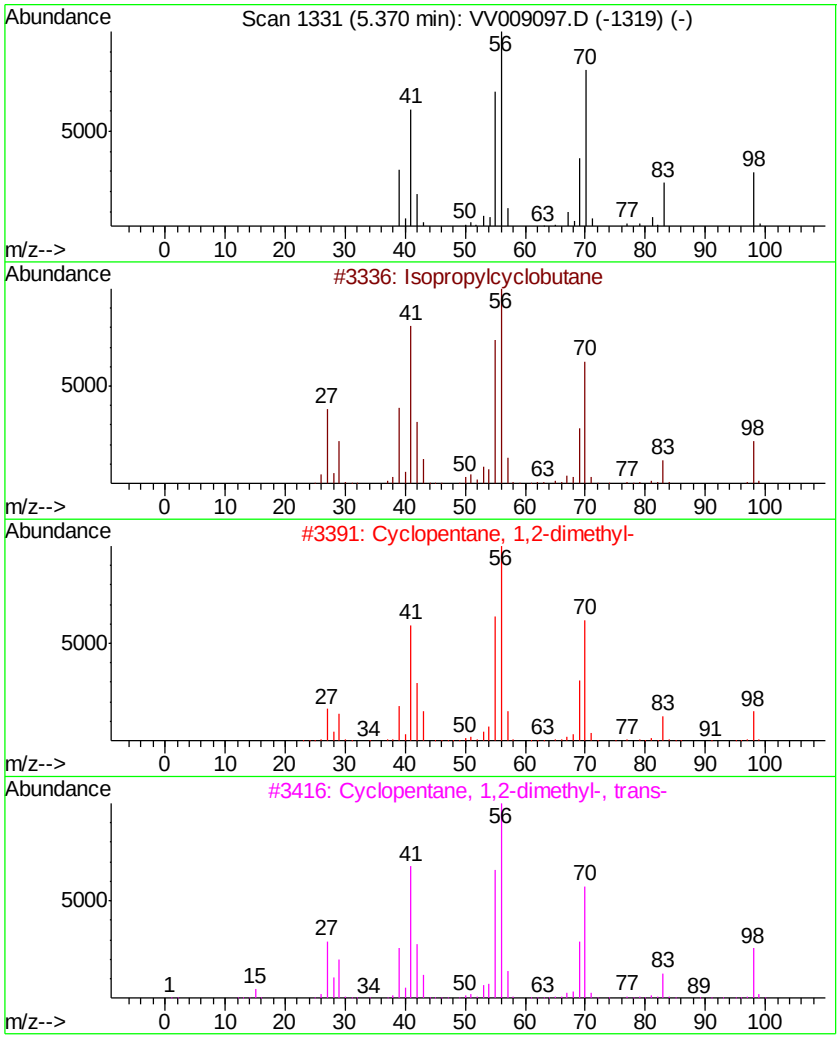
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

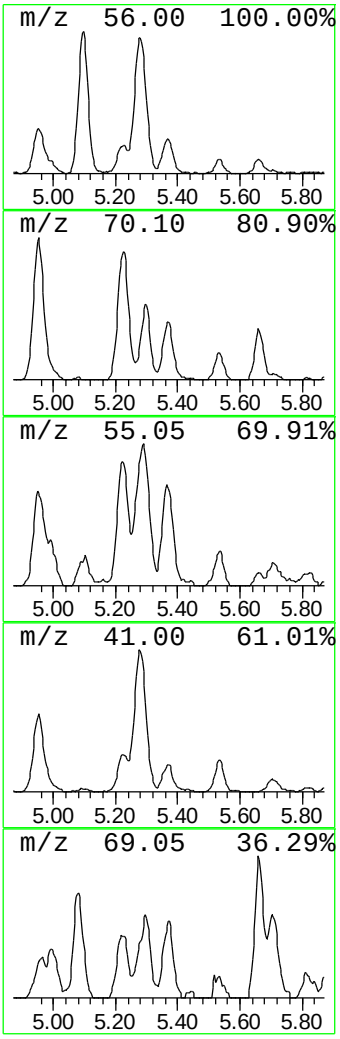
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic5.37 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	2.83 ug/L	67112	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	90
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	74





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

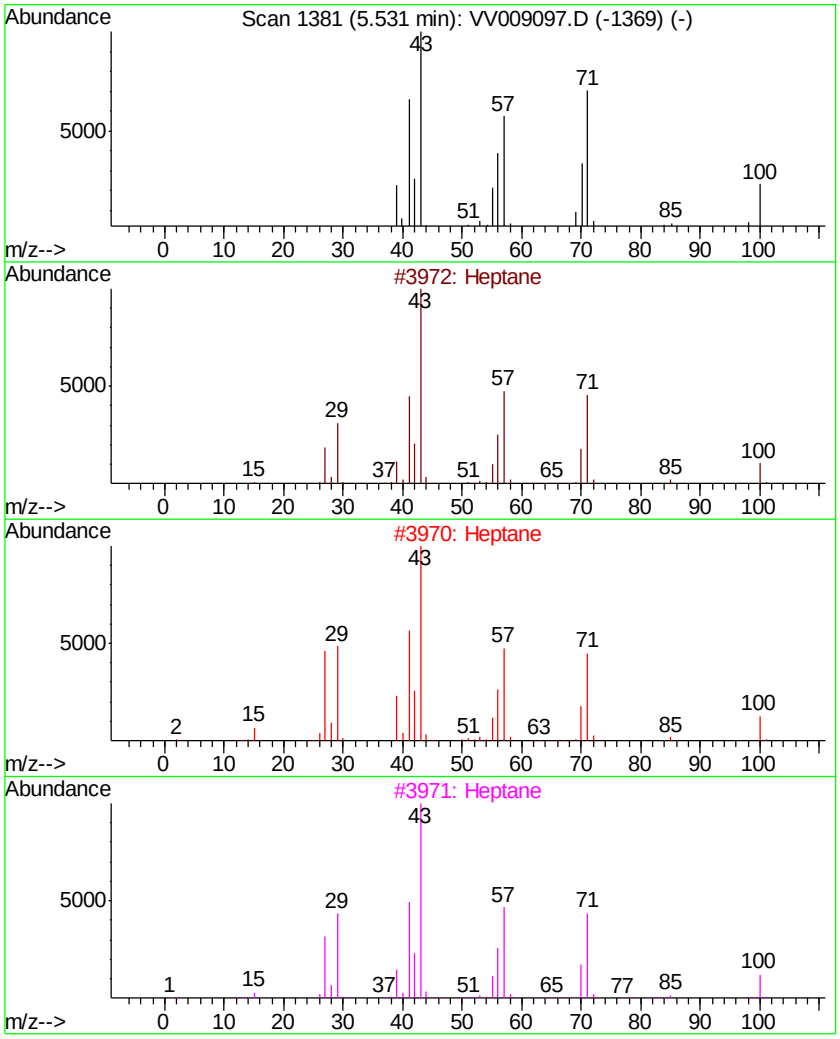
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

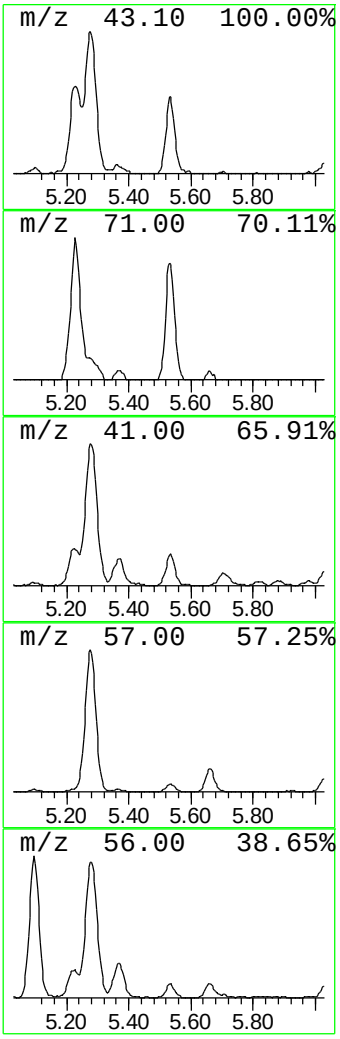
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	2.35 ug/L	55885	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	80
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	64
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

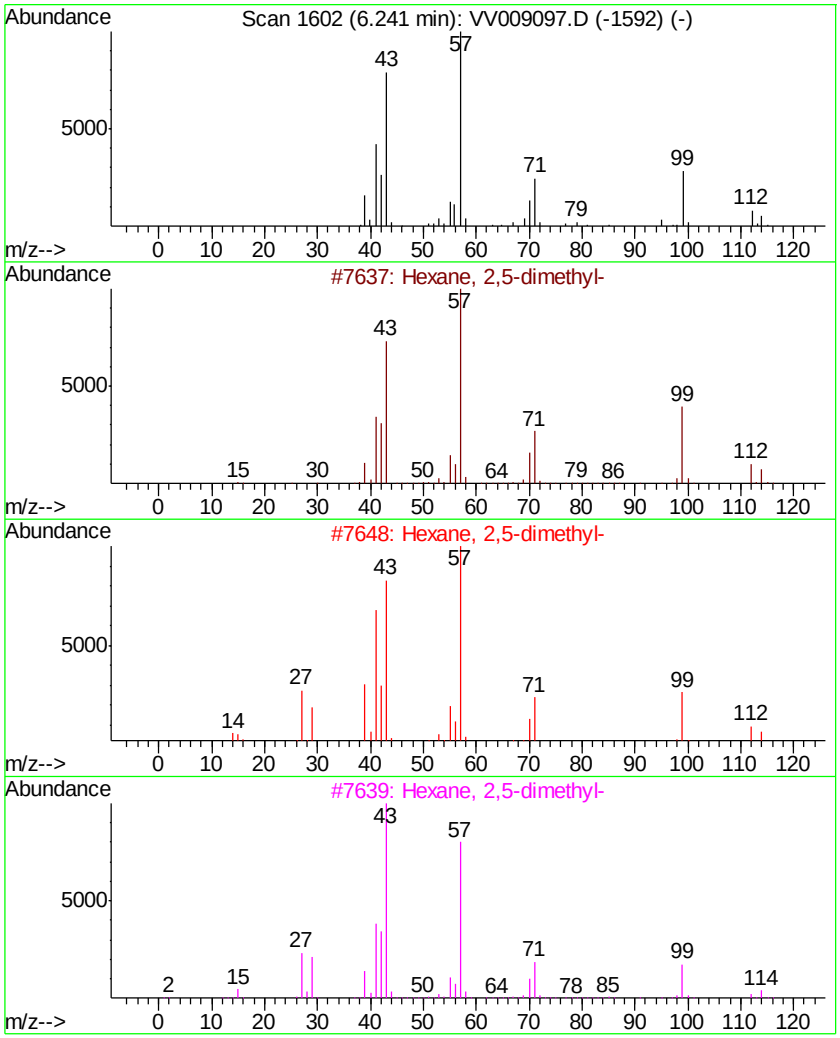
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

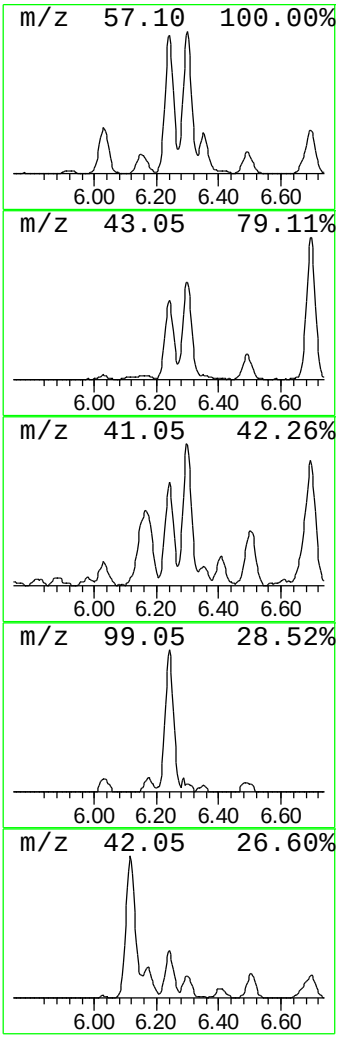
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	4.78 ug/L	113457	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	94
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	80
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	47





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

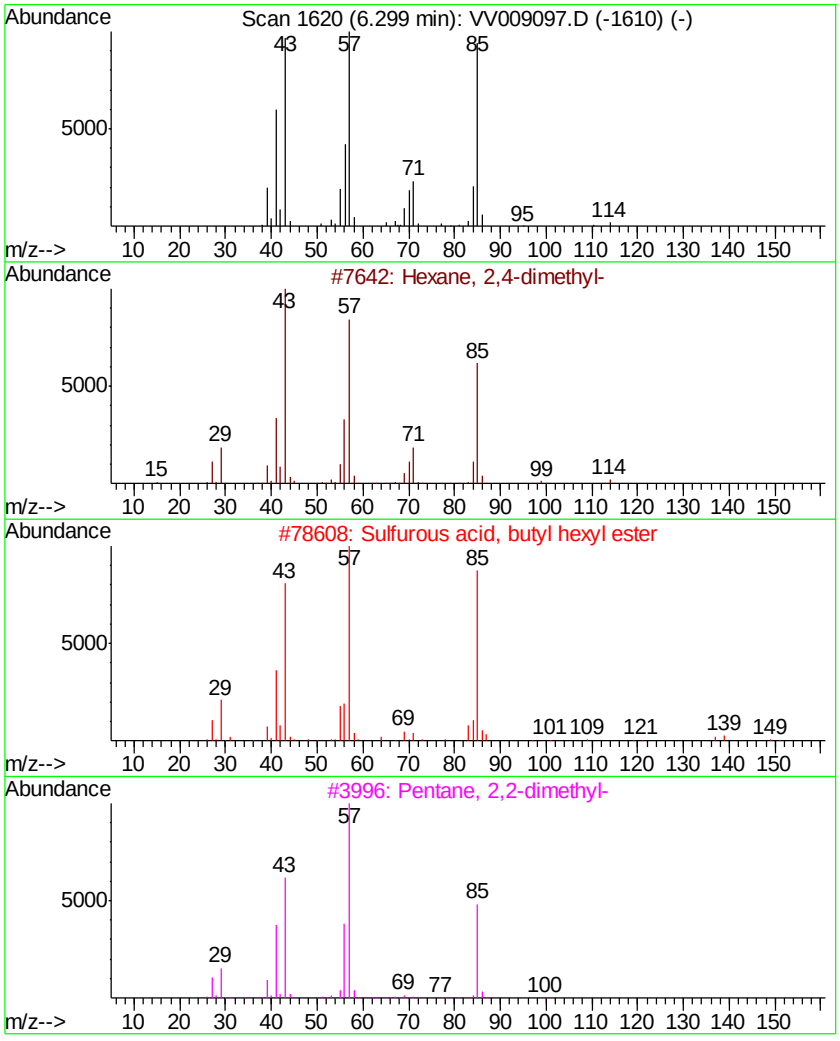
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

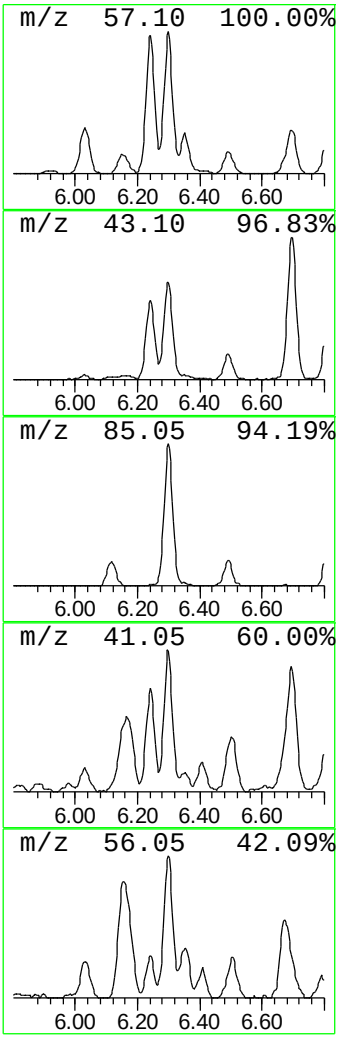
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	6.53 ug/L	155014	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	59
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

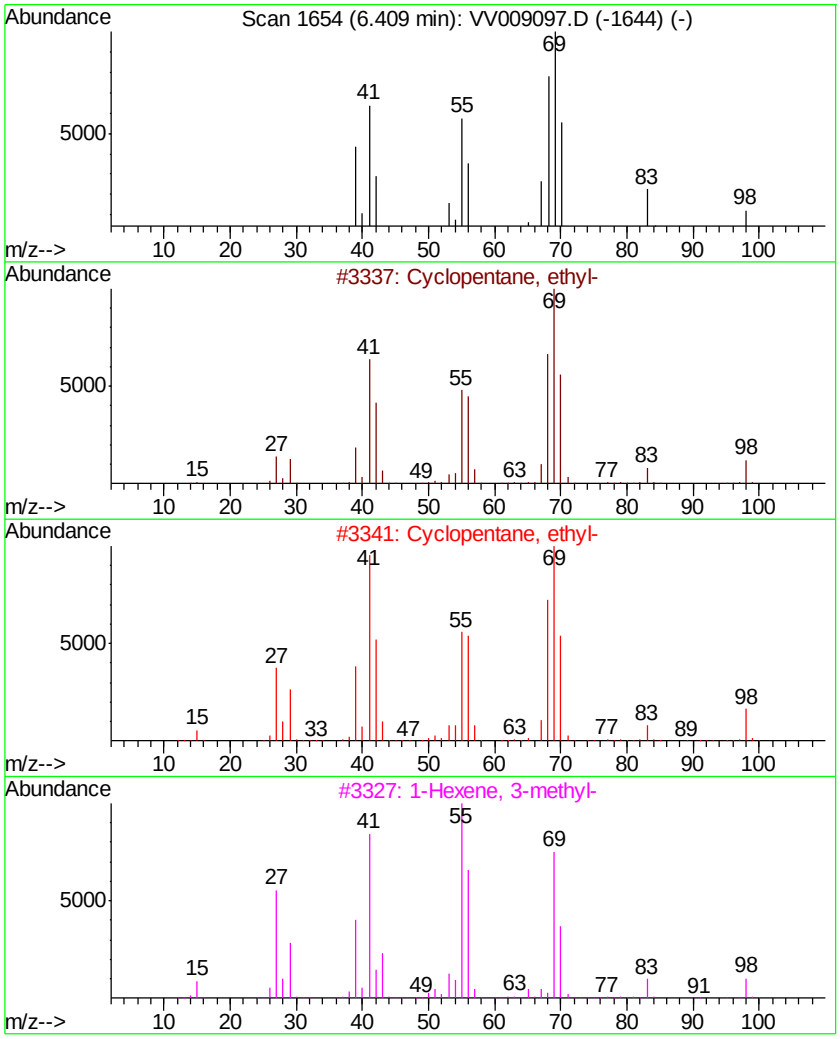
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

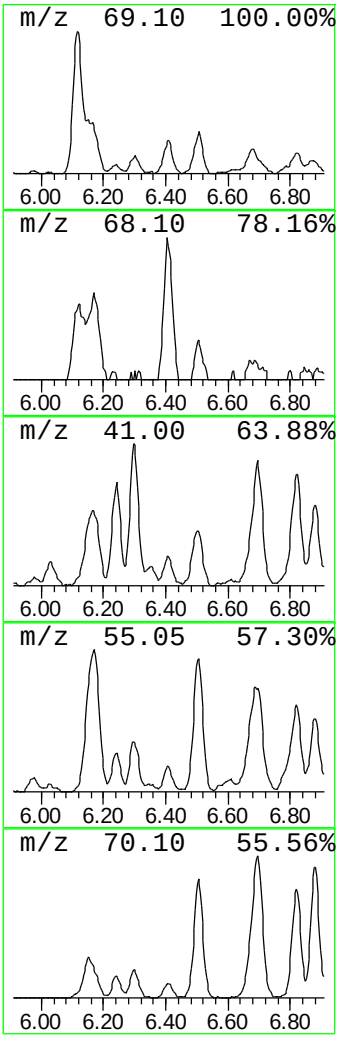
****

Peak Number 15 (DEL) Alkane: Cyclic6.41 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	1.33 ug/L	31618	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	64
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	58
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

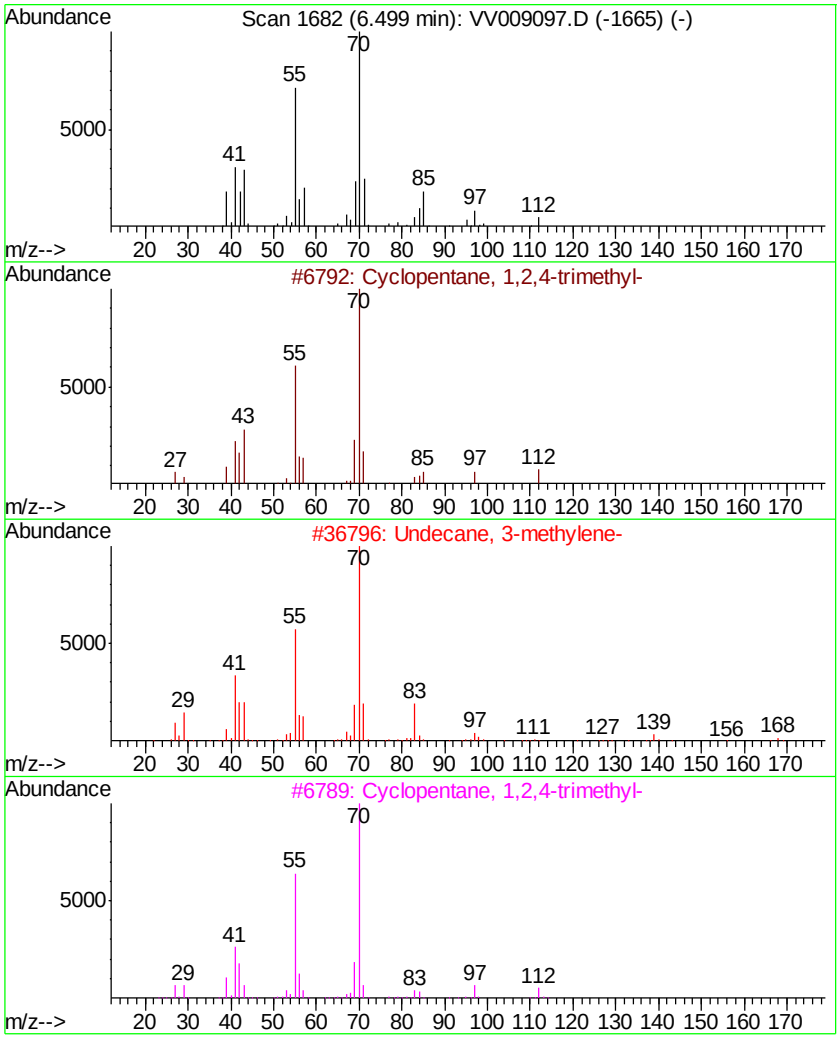
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

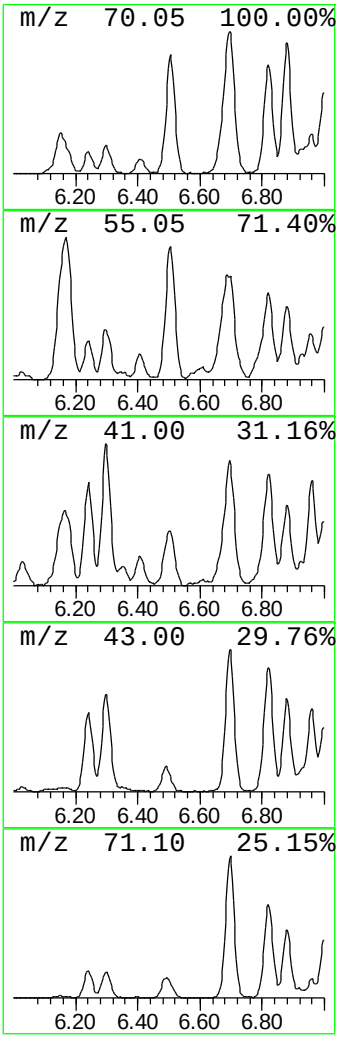
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic6.50 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	5.12 ug/L	121579	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Undecane, 3-methylene-	168	C12H24	071138-64-2	72
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	68
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

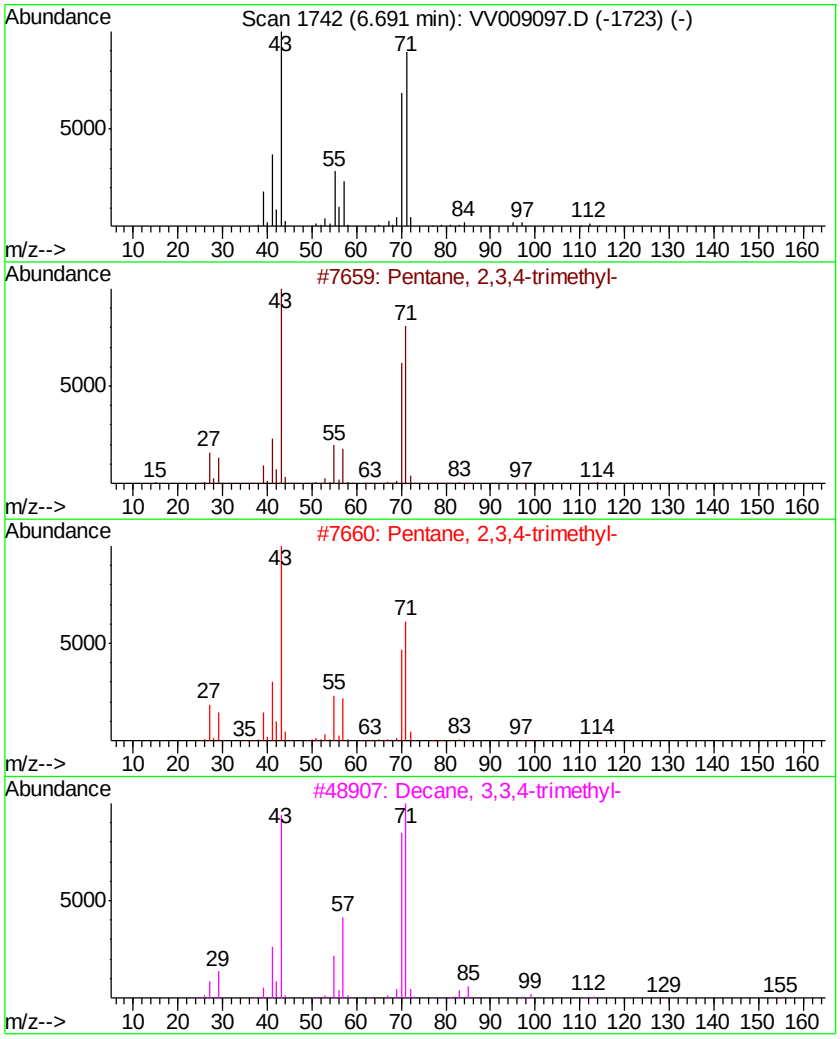
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

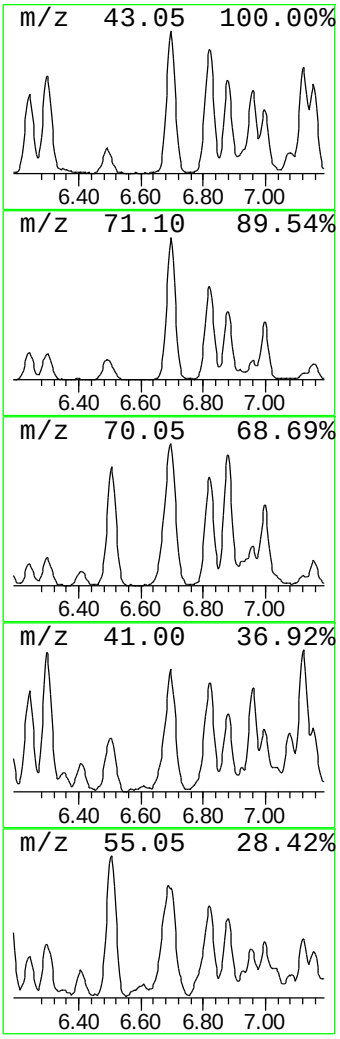
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	10.43 ug/L	247615	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	78





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

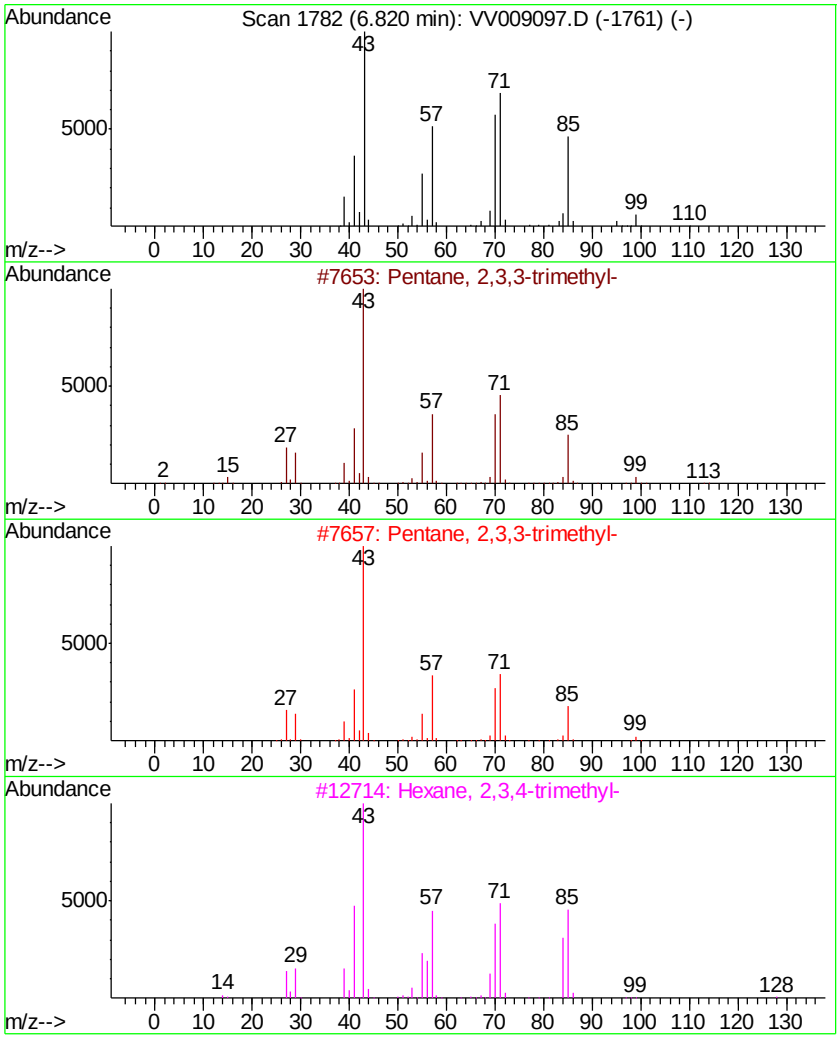
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

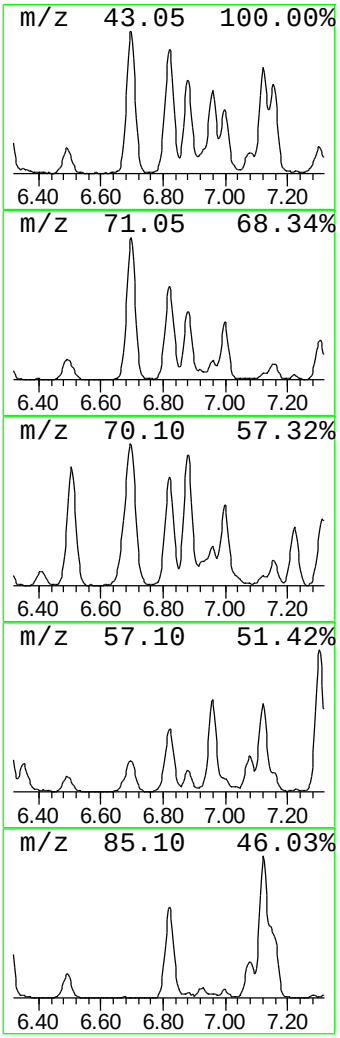
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	9.16 ug/L	217613	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

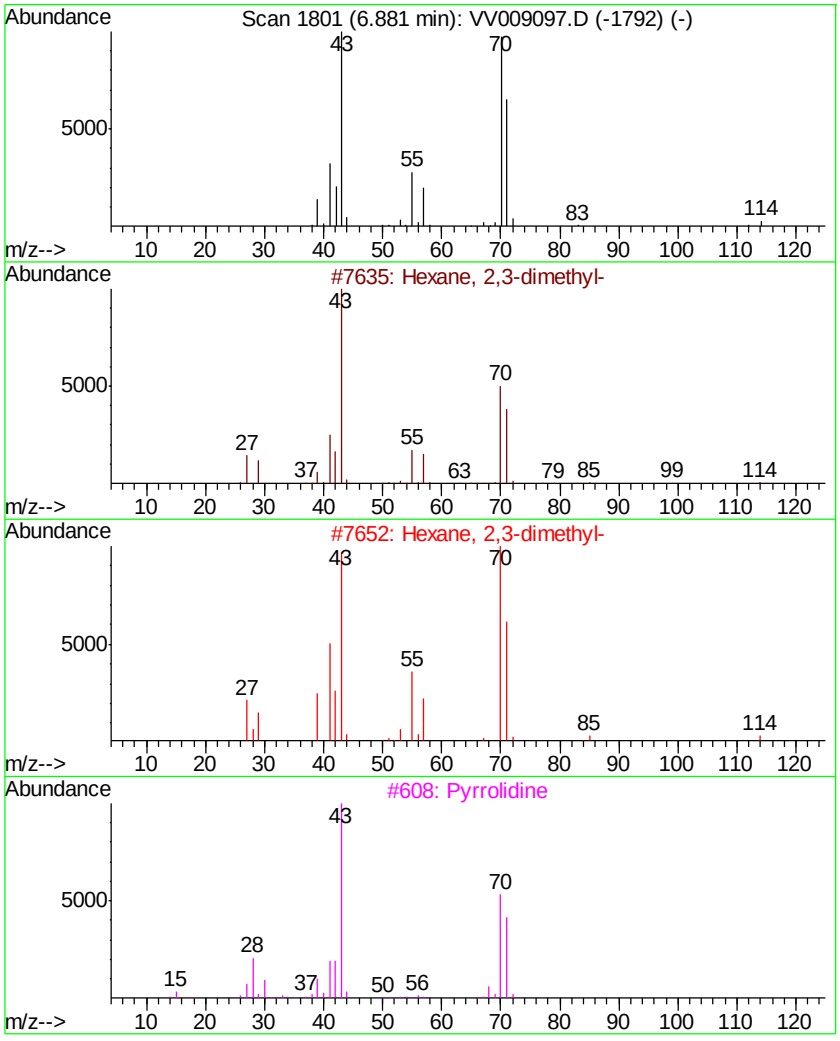
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

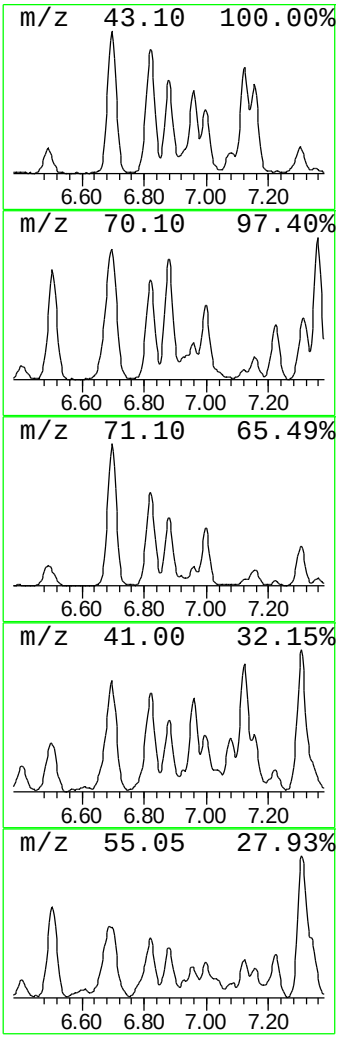
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	3.64 ug/L	86412	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
3	Pyrrolidine	71	C4H9N	000123-75-1	78
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	76
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	74





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

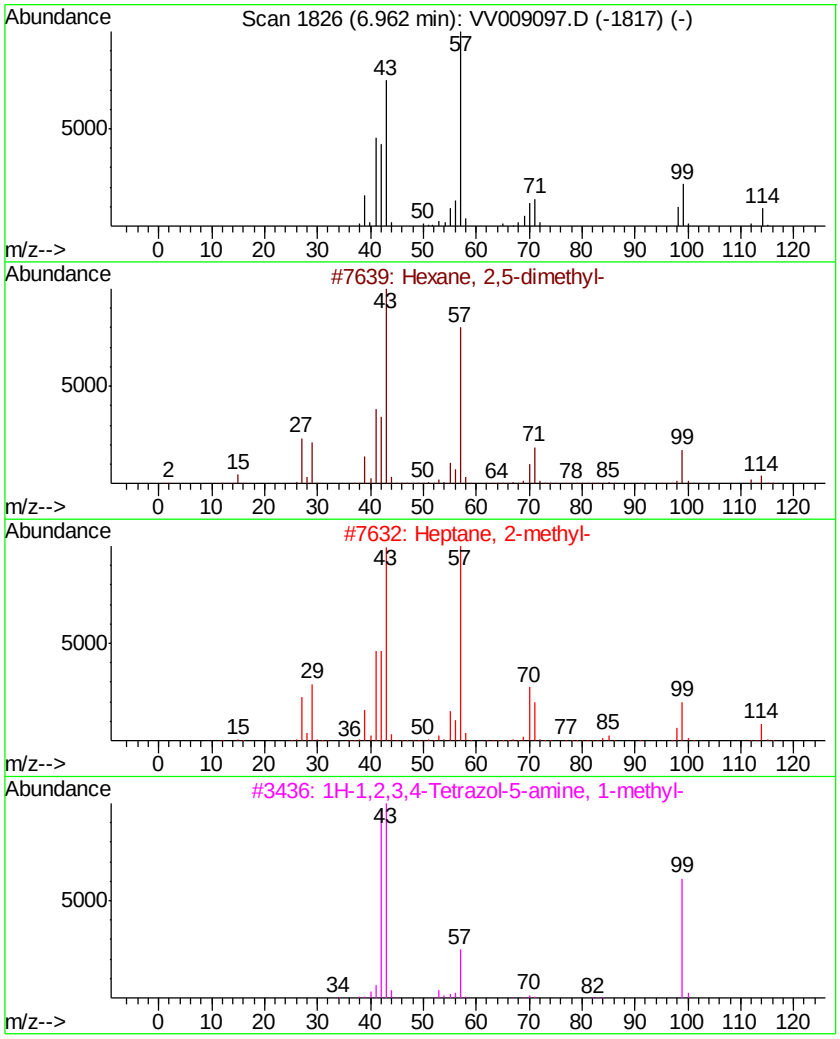
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

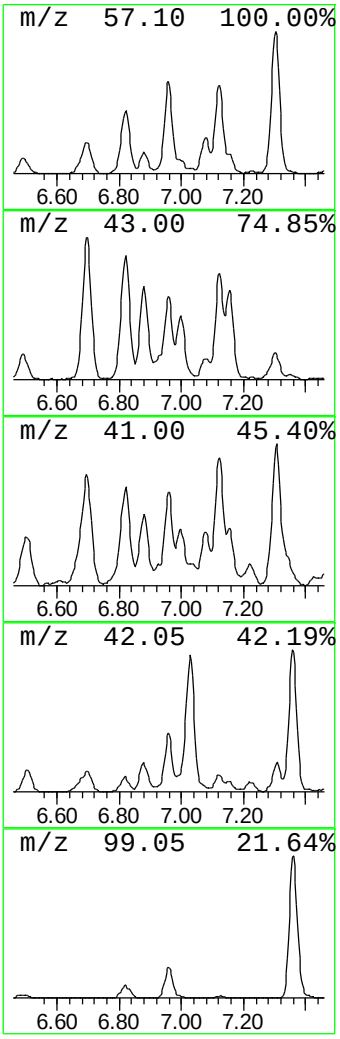
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	3.28 ug/L	77829	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	81
3	1H-1,2,3,4-Tetrazol-5-amine, 1-m...	99	C2H5N5	1000338-04-0	59
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	50





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

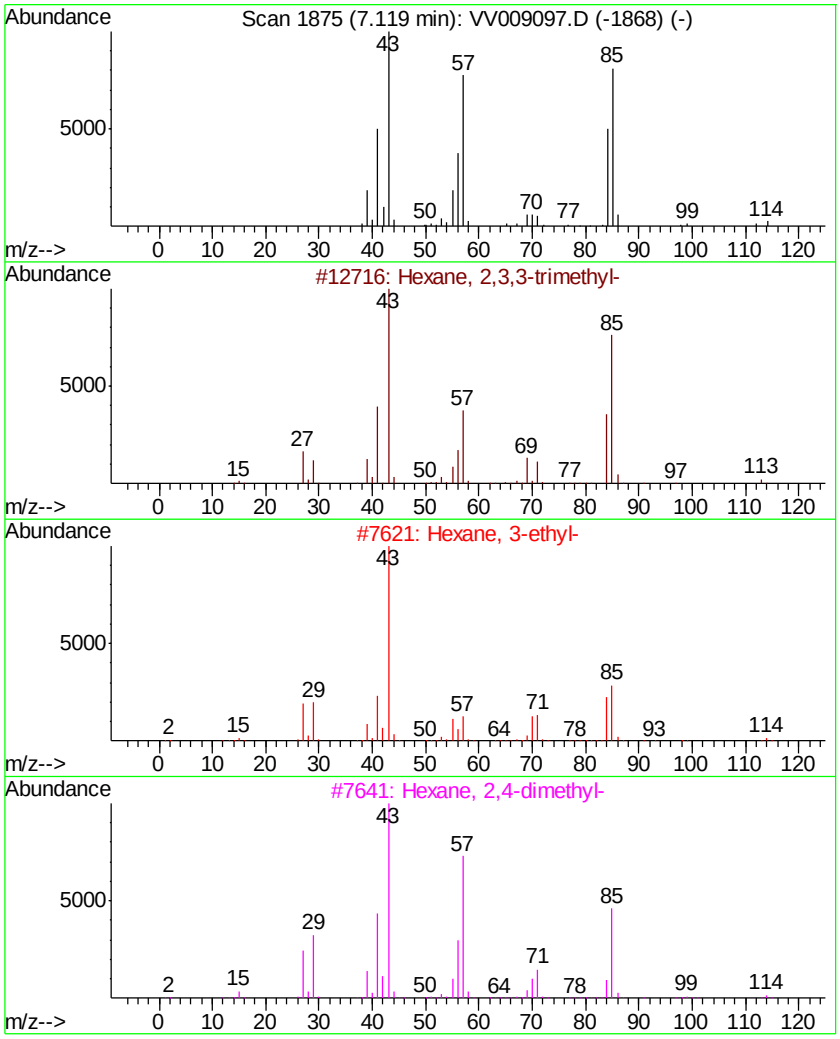
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

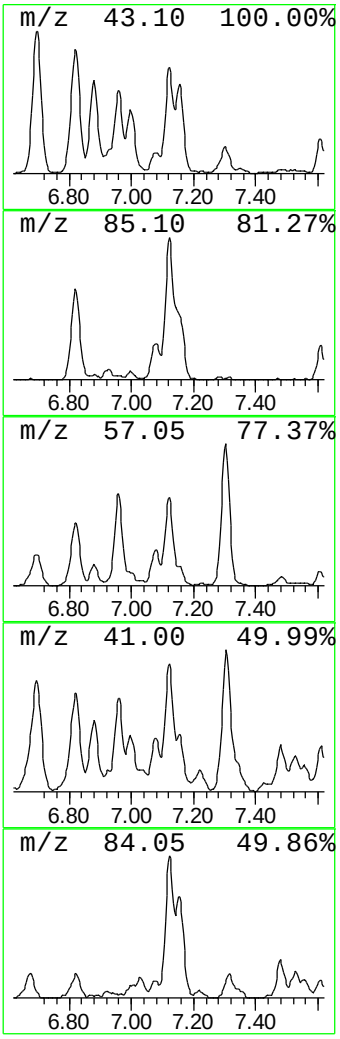
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	4.79 ug/L	113785	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	78
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	64





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

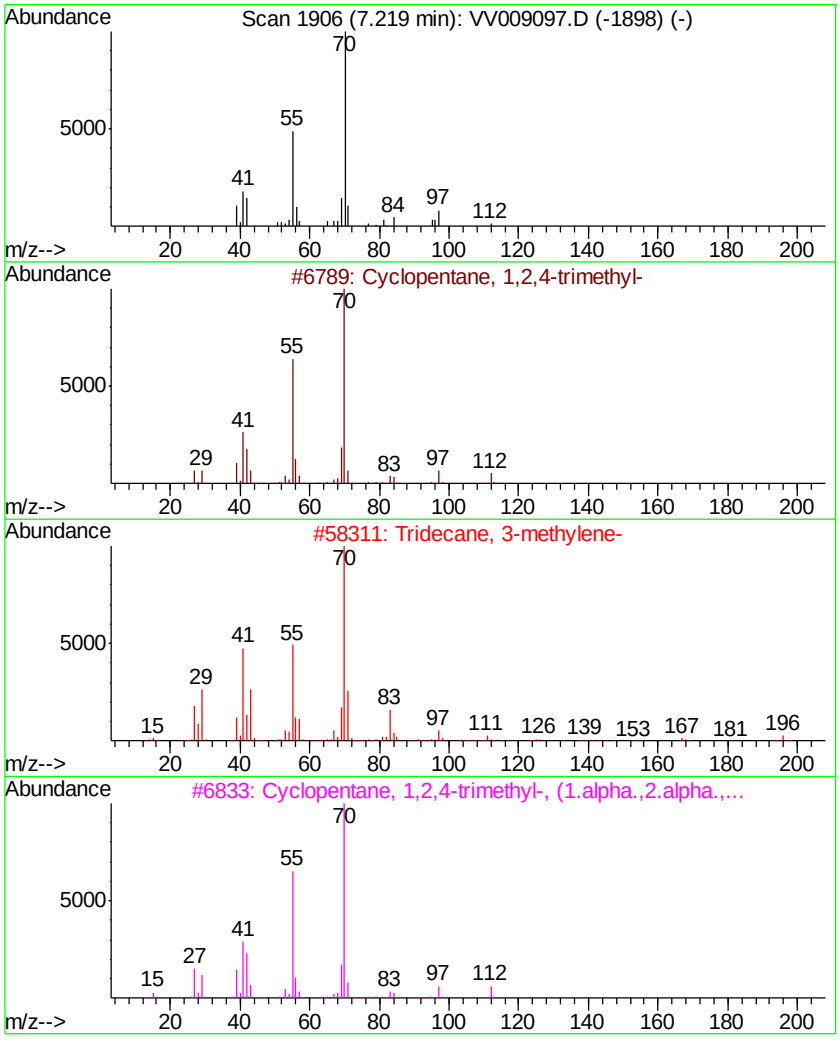
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

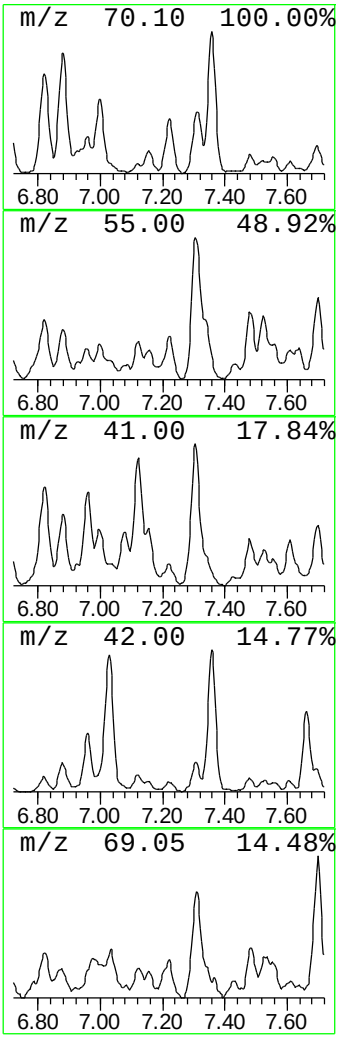
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic7.22 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	1.98 ug/L	46955	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
2	Tridecane, 3-methylene-	196	C14H28	019780-34-8	72
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	56
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	50





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

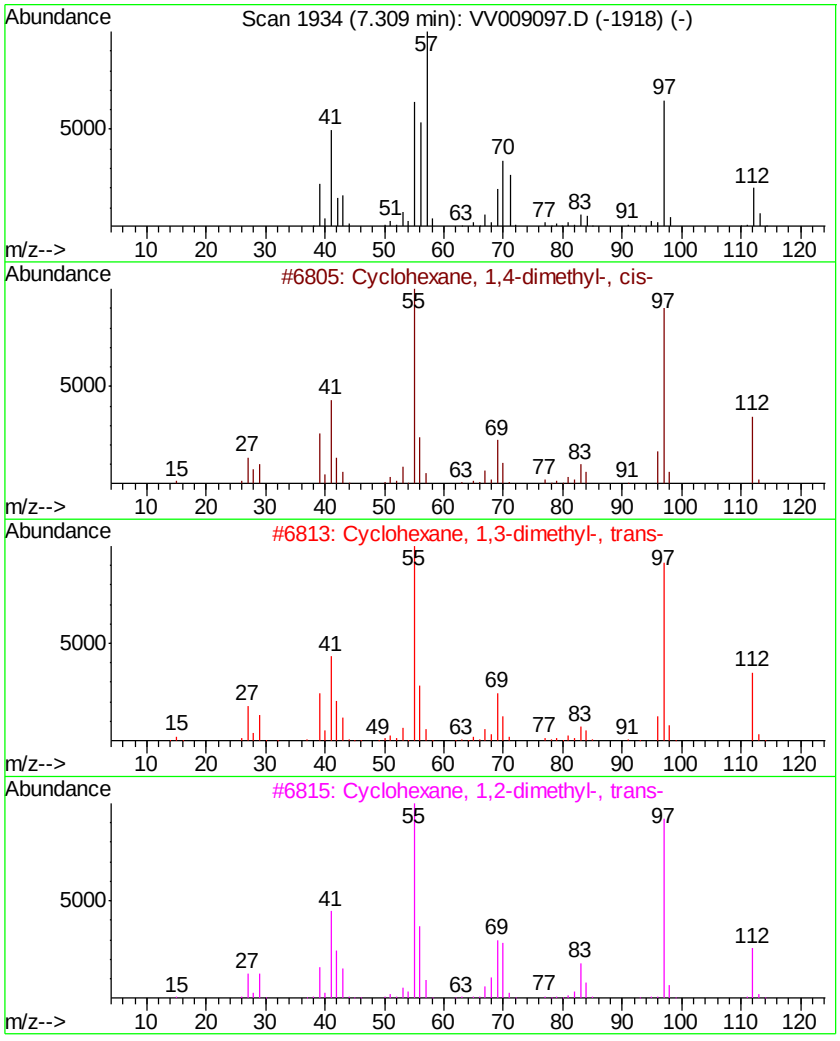
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

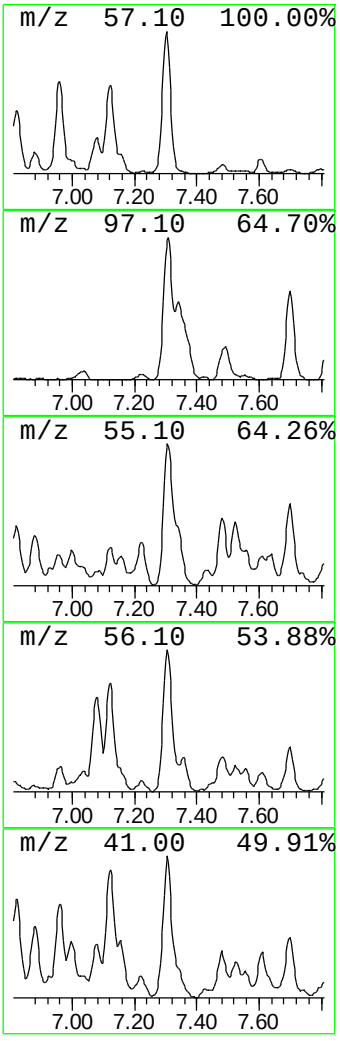
****

Peak Number 24 (DEL) Alkane: Cyclic7.31 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	9.39 ug/L	243648	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	50
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	49
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	45





Library Search Compound Report

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Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

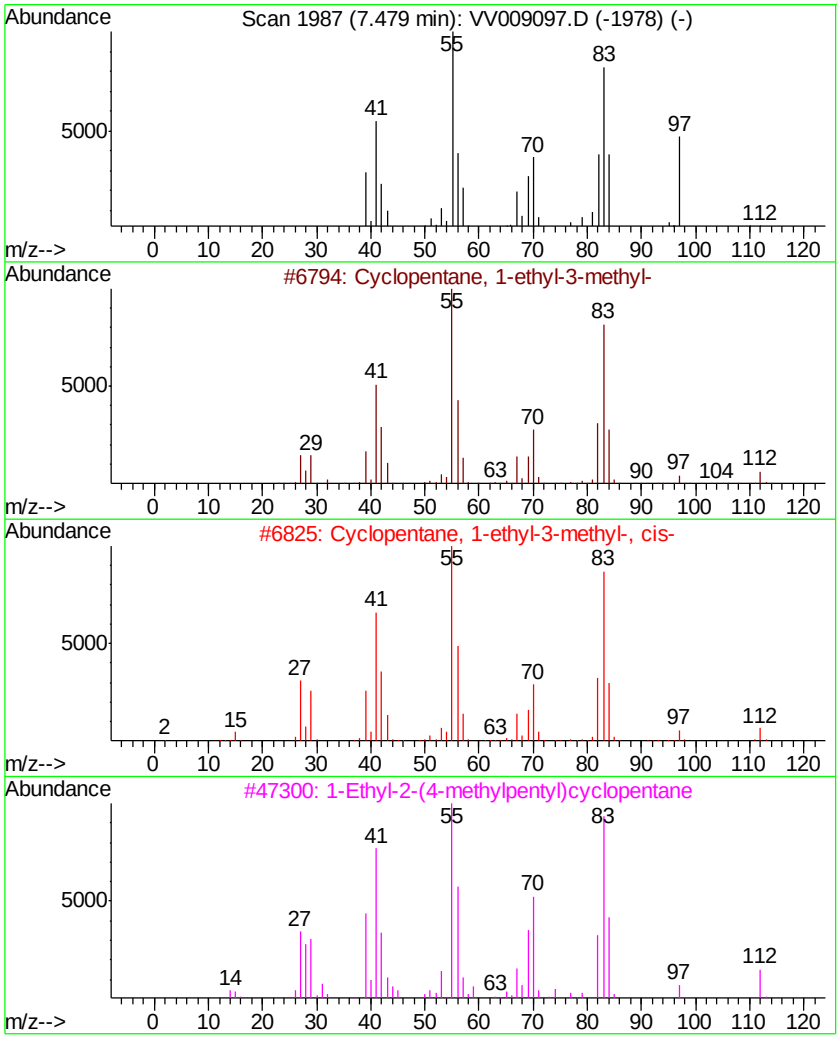
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

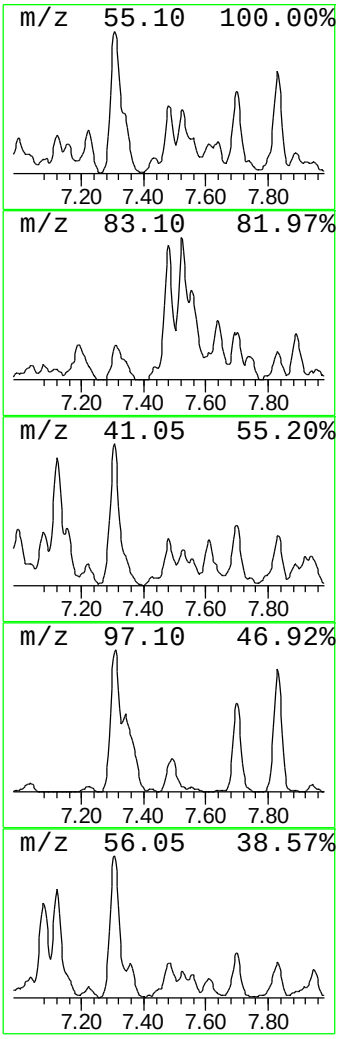
****

Peak Number 25 (DEL) Alkane: Cyclic7.48 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	2.36 ug/L	61307	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	87
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	72
3	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	59
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	49





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Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

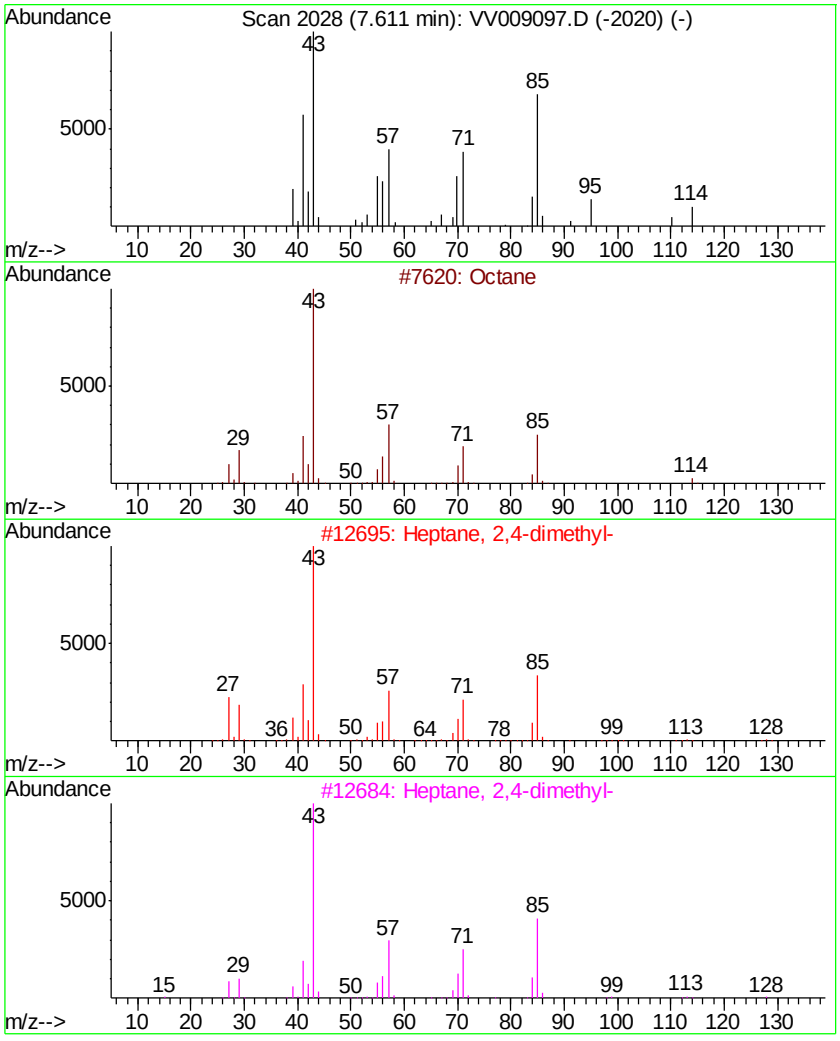
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

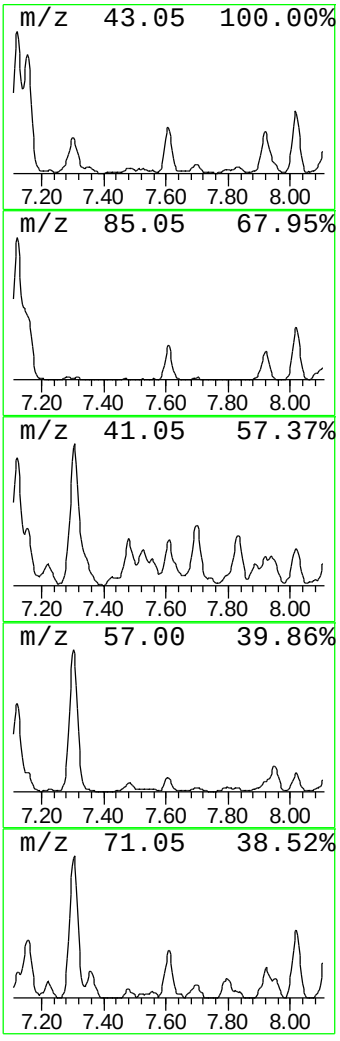
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	1.66 ug/L	43021	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	80
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
5	Octane	114	C8H18	000111-65-9	58





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

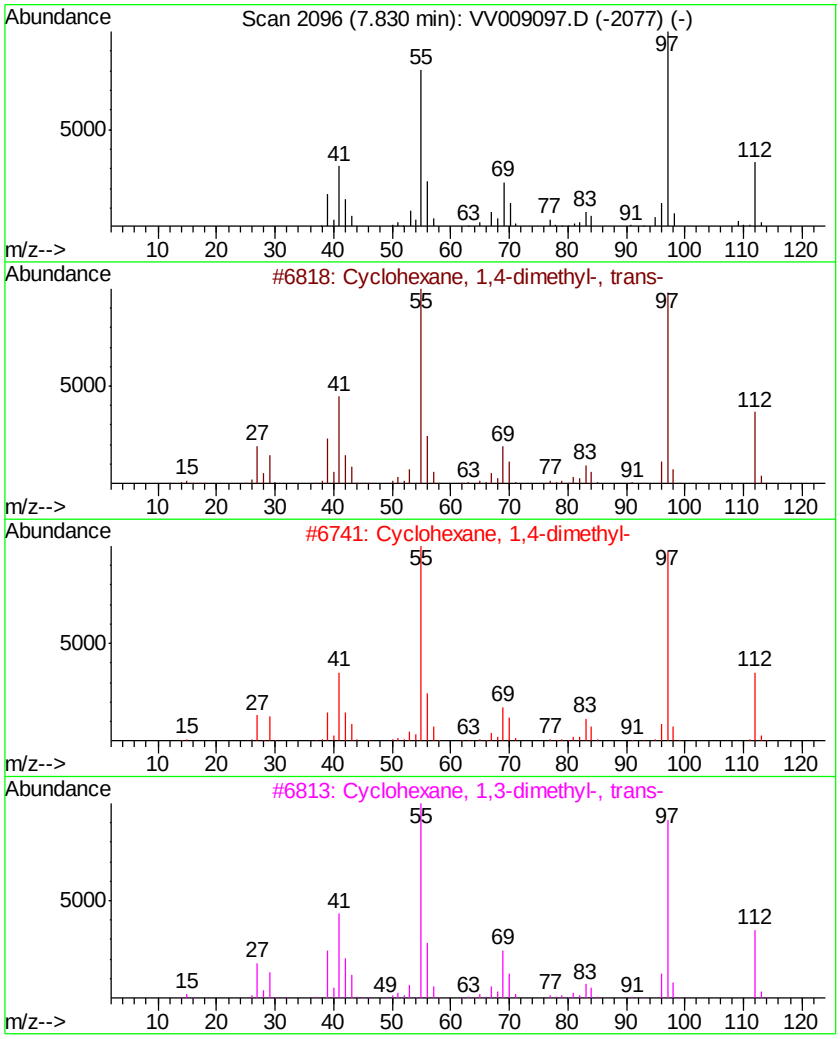
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

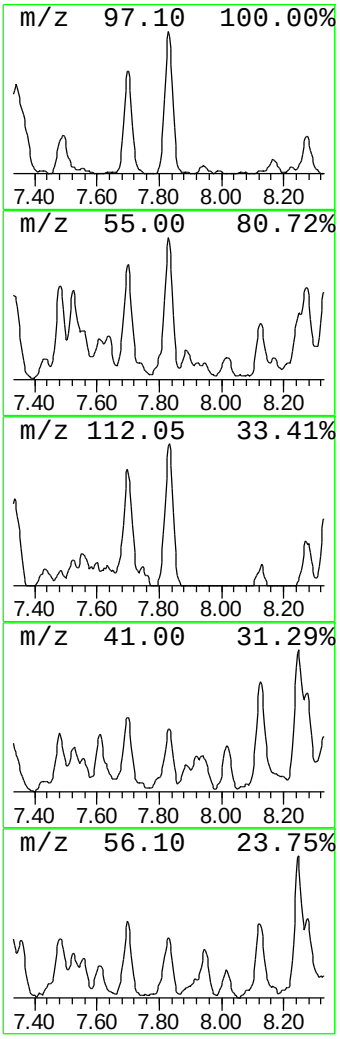
****

Peak Number 27 (DEL) Alkane: Cyclic7.83 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	4.20 ug/L	109014	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

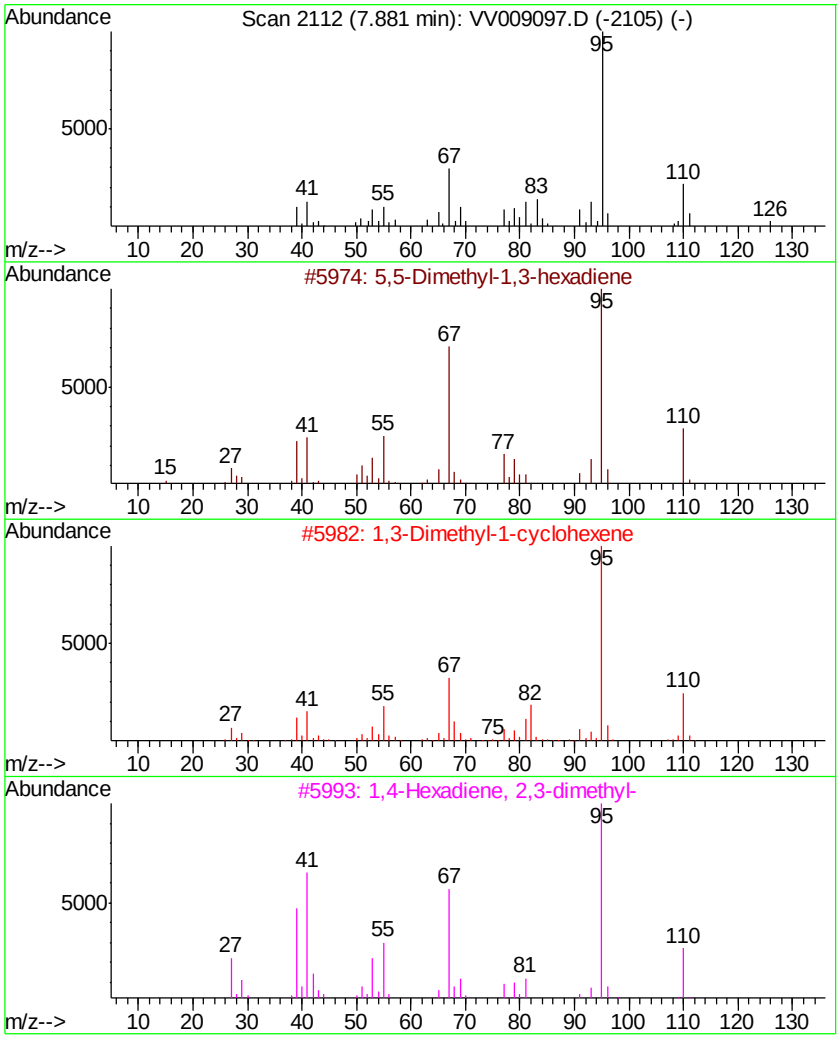
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

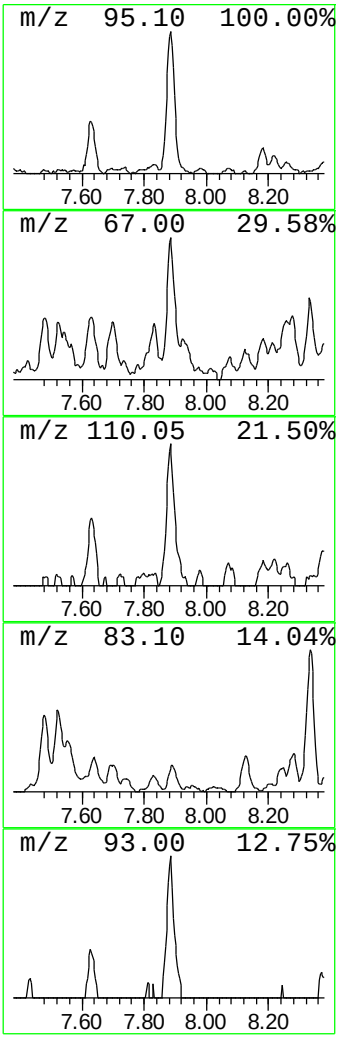
****

Peak Number 28 5,5-Dimethyl-1,3-hexadiene Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	1.94 ug/L	50251	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	83
3	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	83
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	76
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

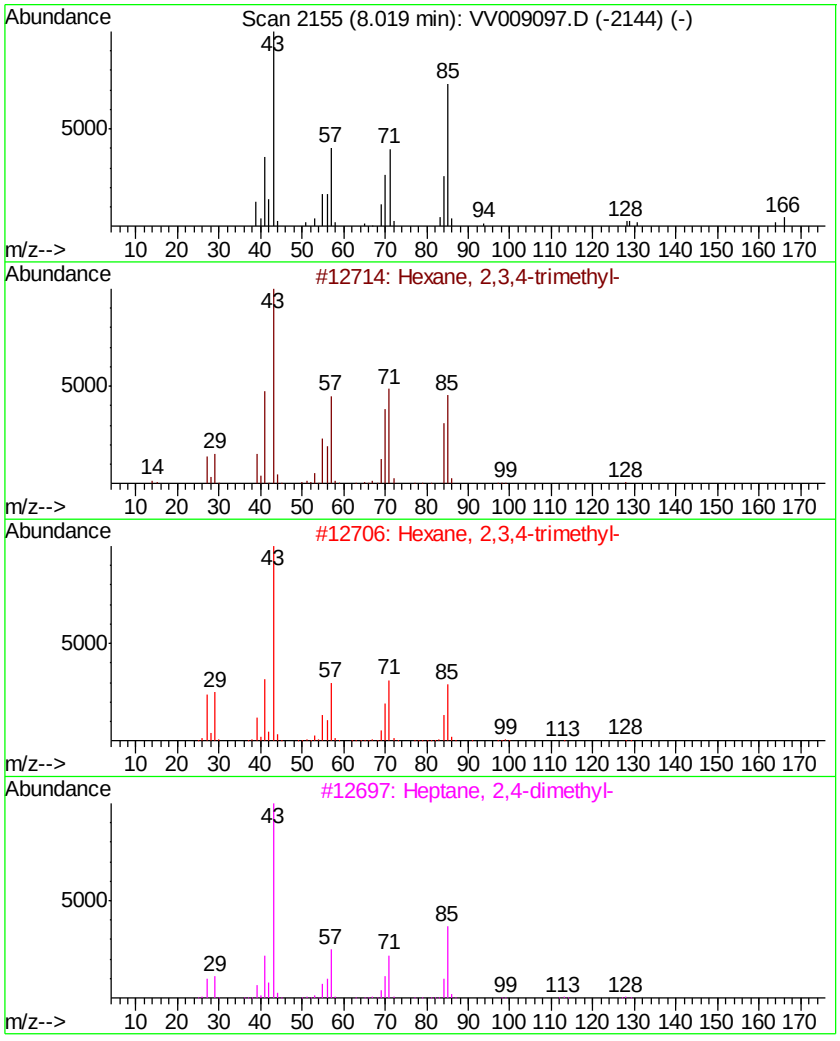
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

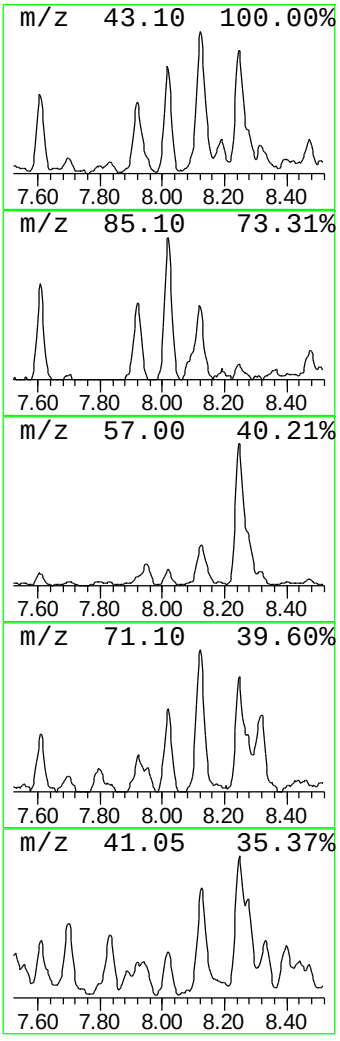
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	2.20 ug/L	57091	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	83
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	68
4	Octane, 4-methyl-	128	C9H20	002216-34-4	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

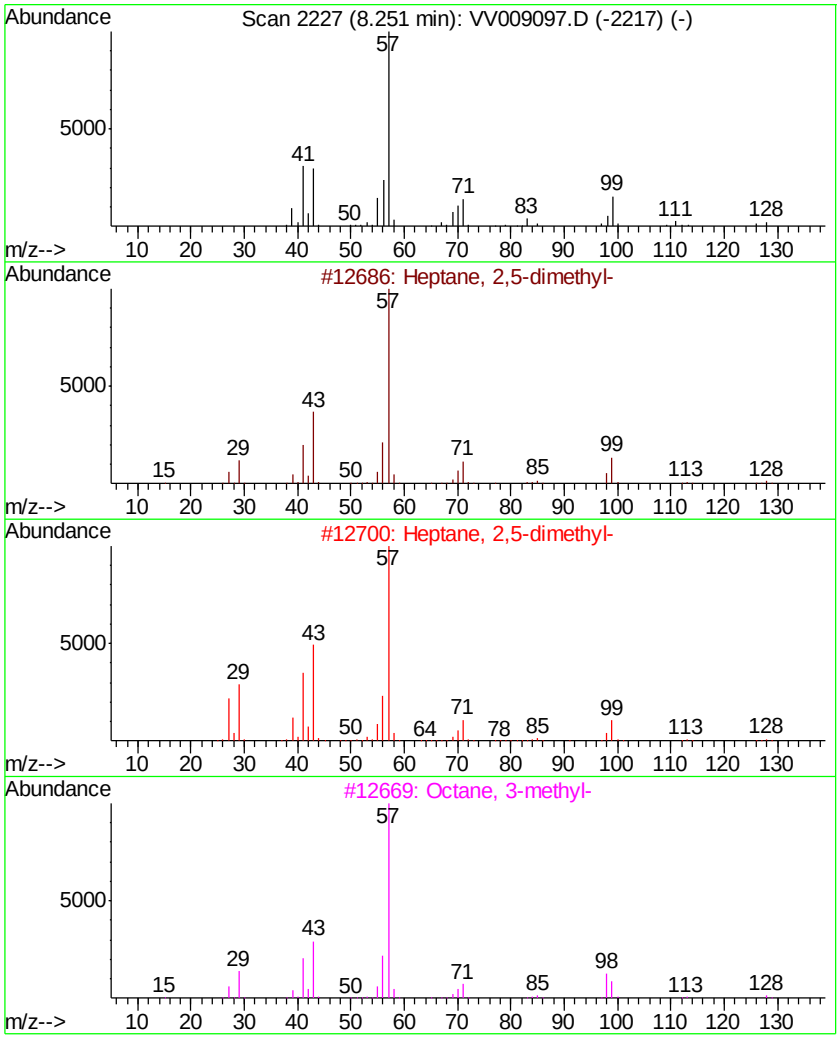
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

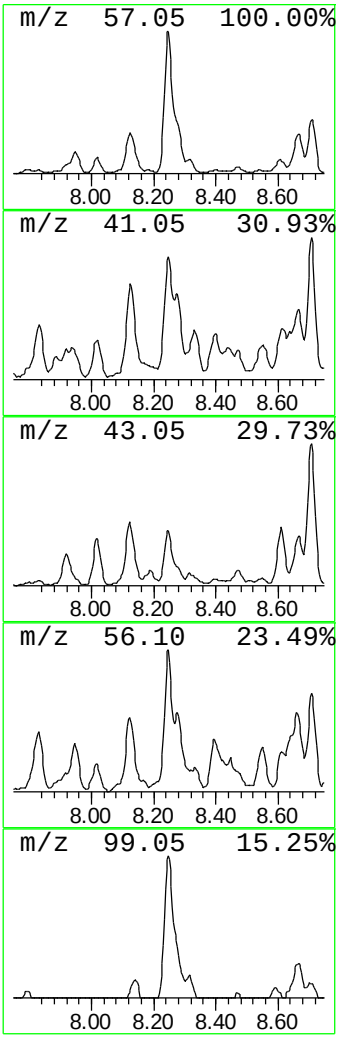
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	5.22 ug/L	135366	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
3	Octane, 3-methyl-	128	C9H20	002216-33-3	80
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	74





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

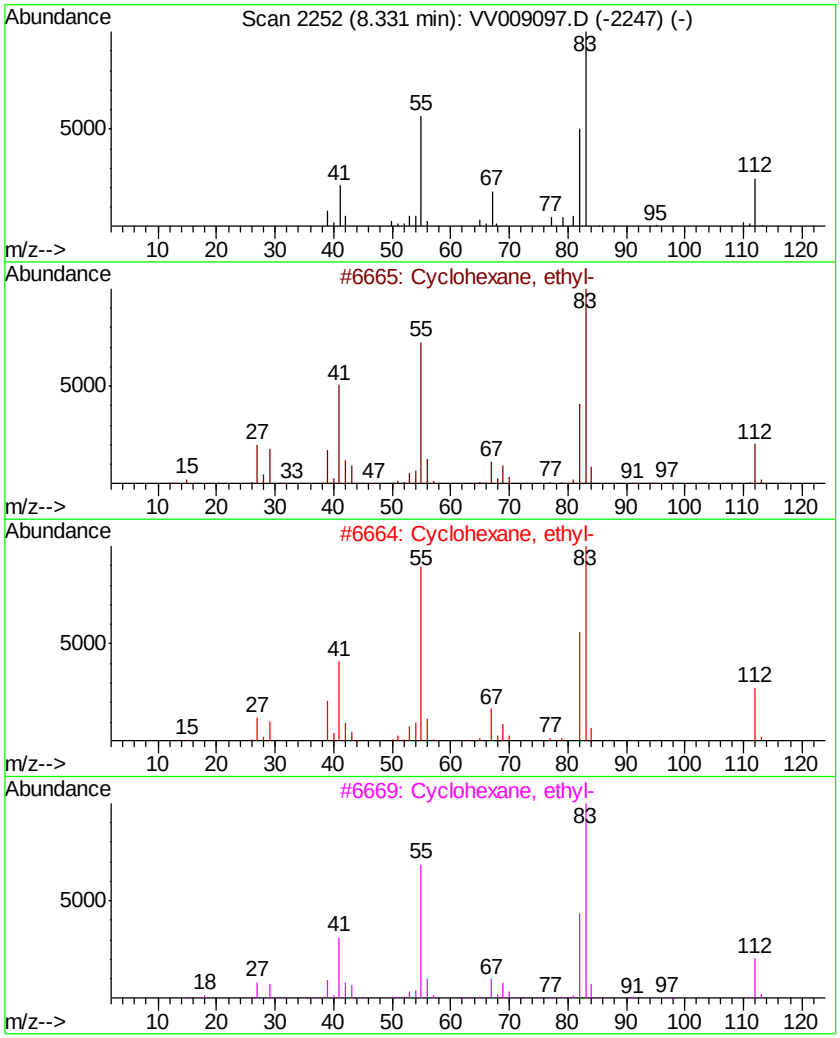
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

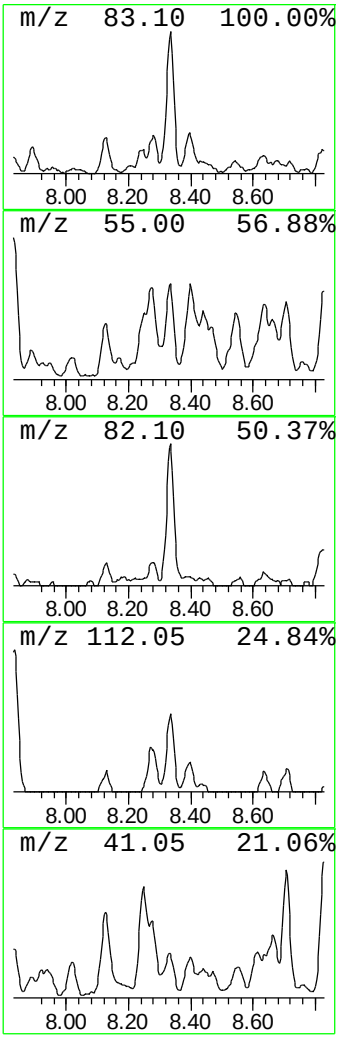
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic8.33 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	1.96 ug/L	50844	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	56





Library Search Compound Report

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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

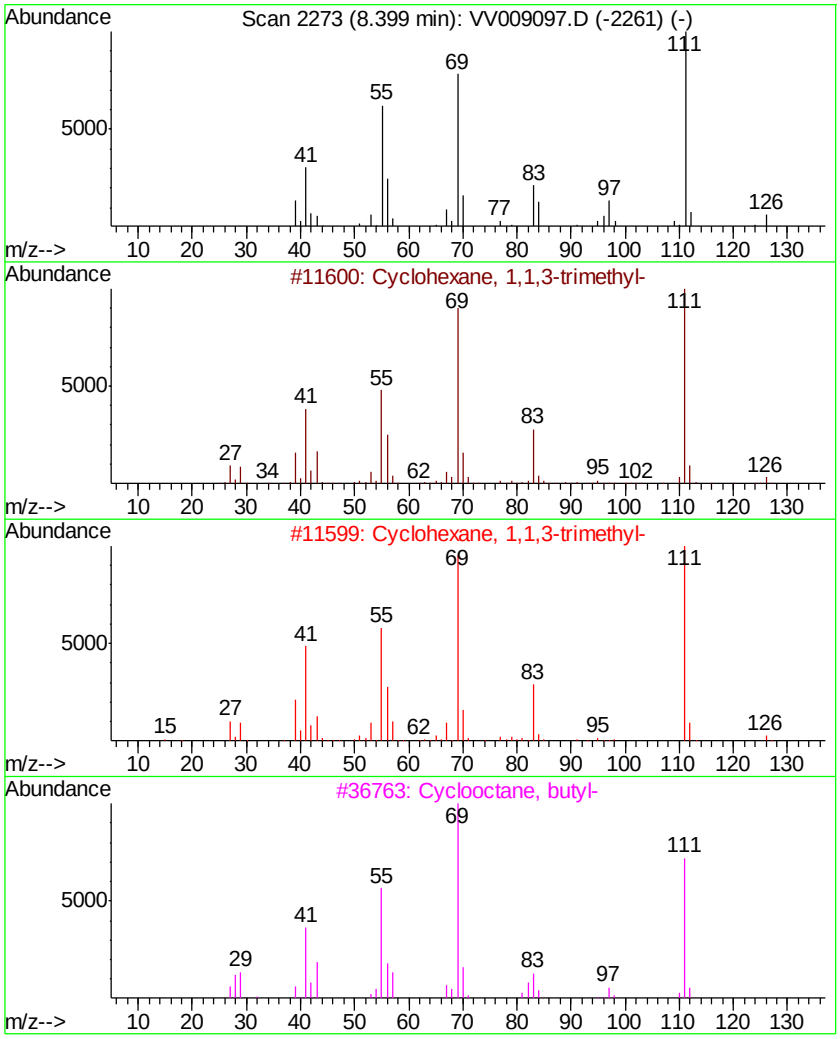
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

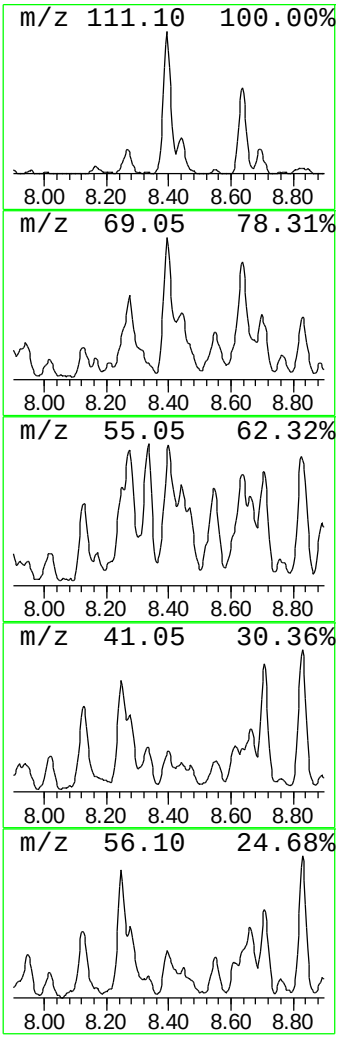
****

Peak Number 32 (DEL) Alkane: Cyclic8.40 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	3.17 ug/L	82275	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	72
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	59
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

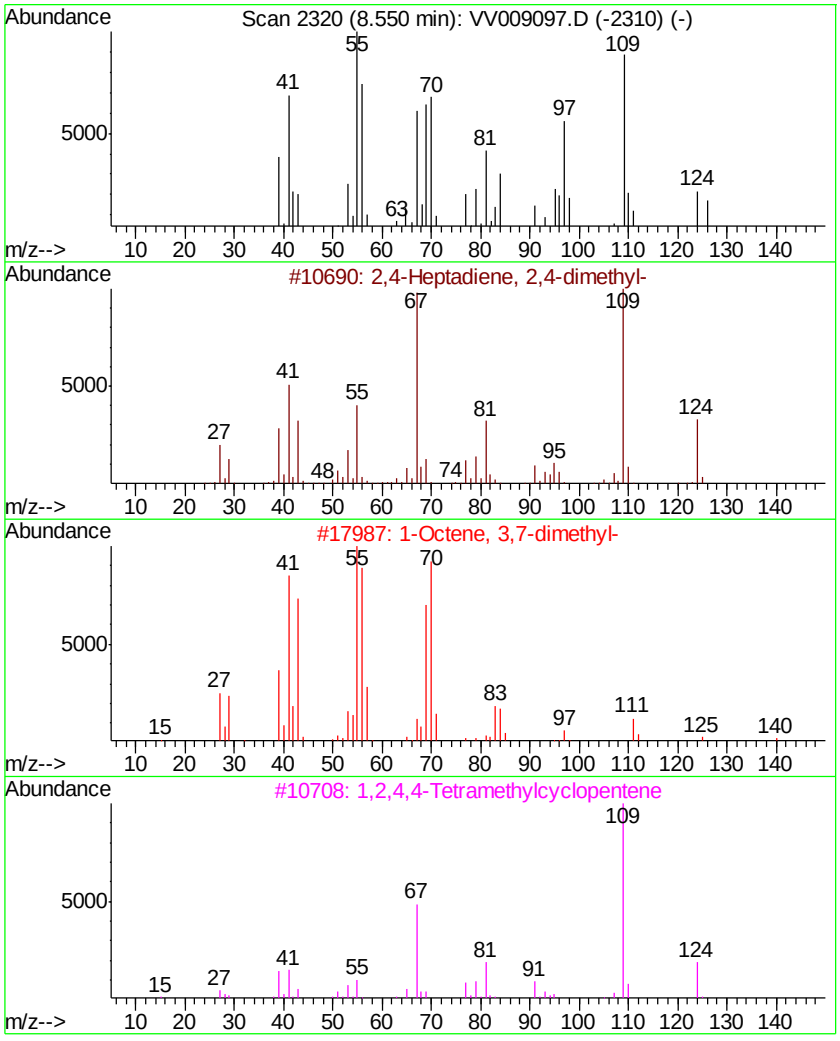
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

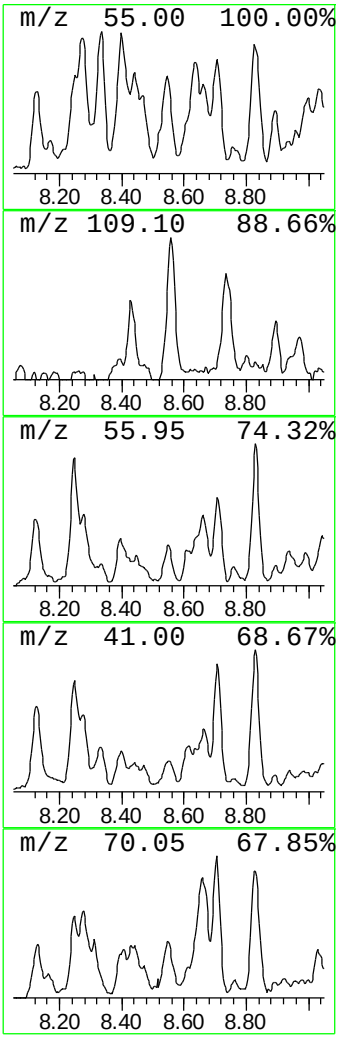
****

Peak Number 33 unknown-01 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	2.03 ug/L	52673	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	27
2	1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	22
3	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	22
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	20
5	Isopropylcyclobutane	98	C7H14	000872-56-0	18





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

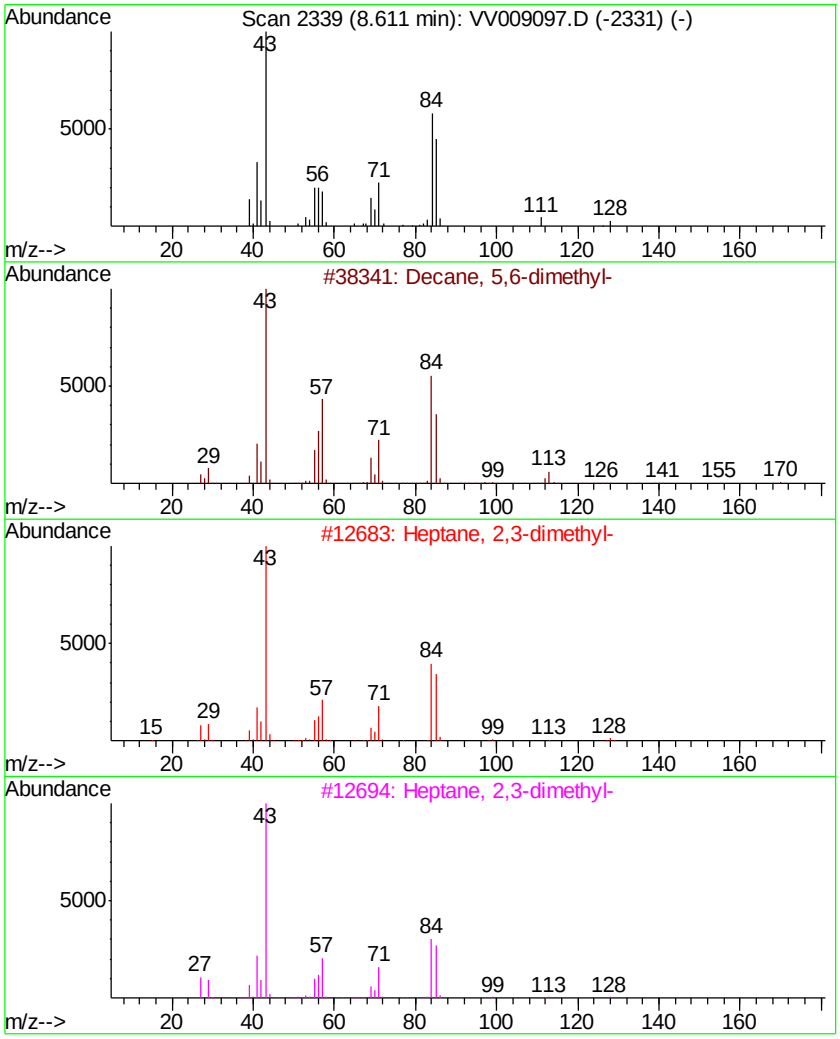
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

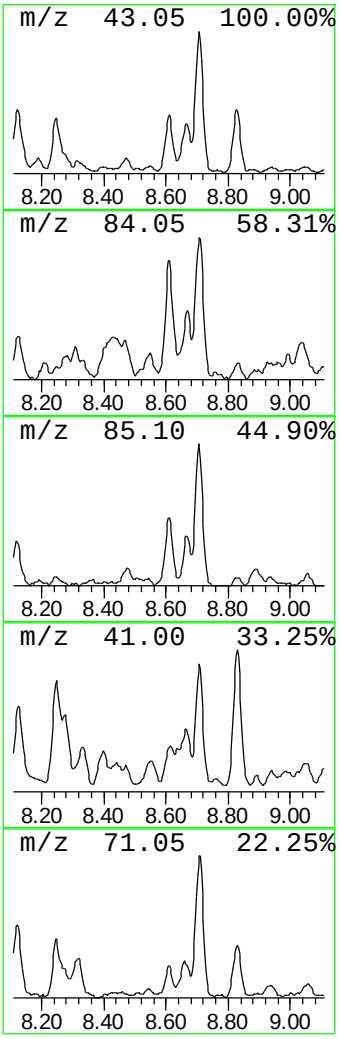
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	1.90 ug/L	49439	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	78
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

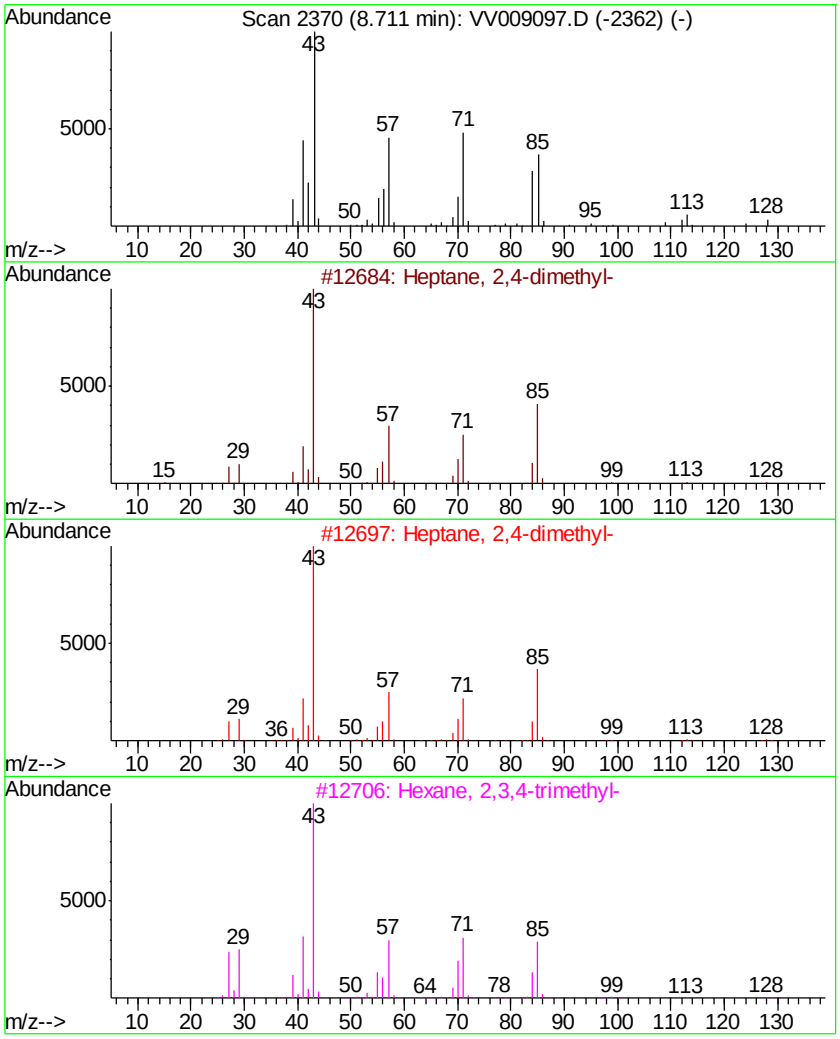
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

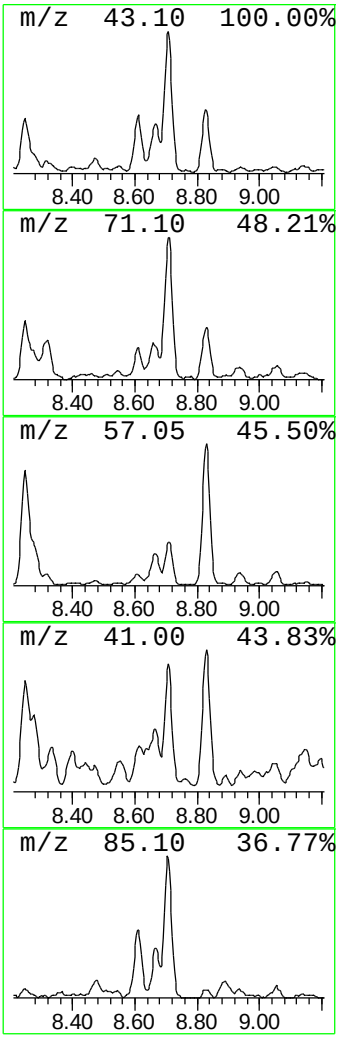
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	6.47 ug/L	168058	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4	Octane, 2-methyl-	128	C9H20	003221-61-2	59
5	Octane, 4-methyl-	128	C9H20	002216-34-4	59





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

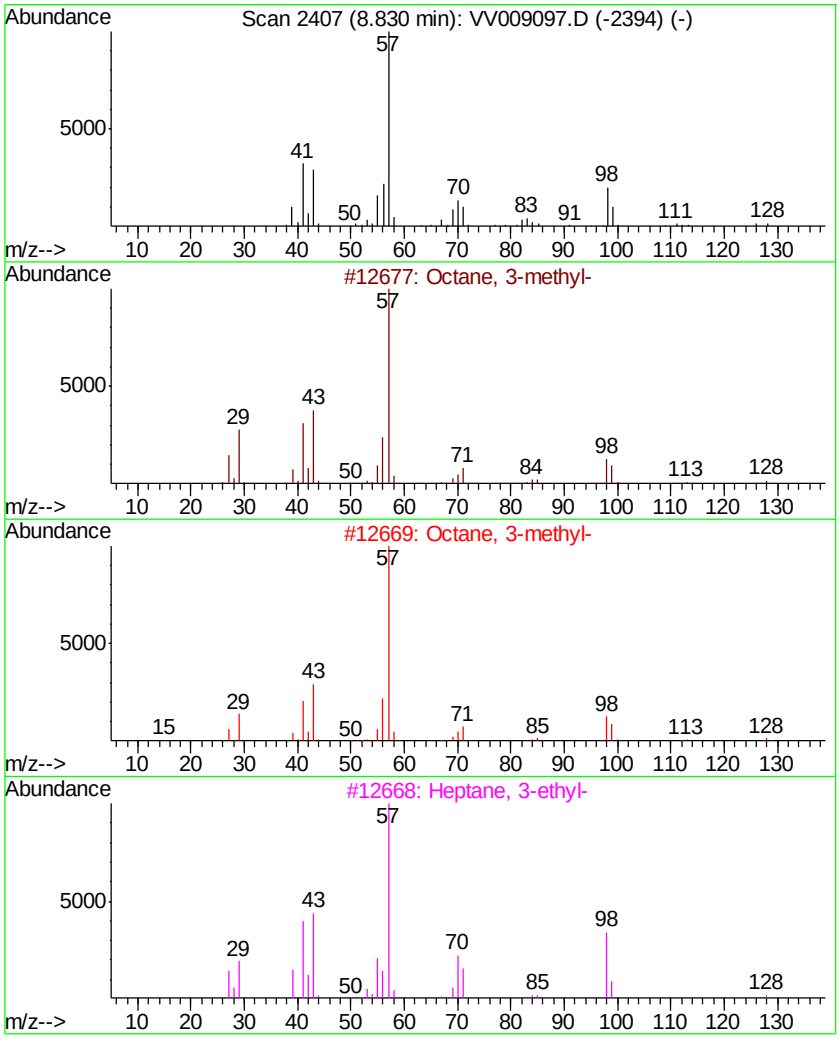
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

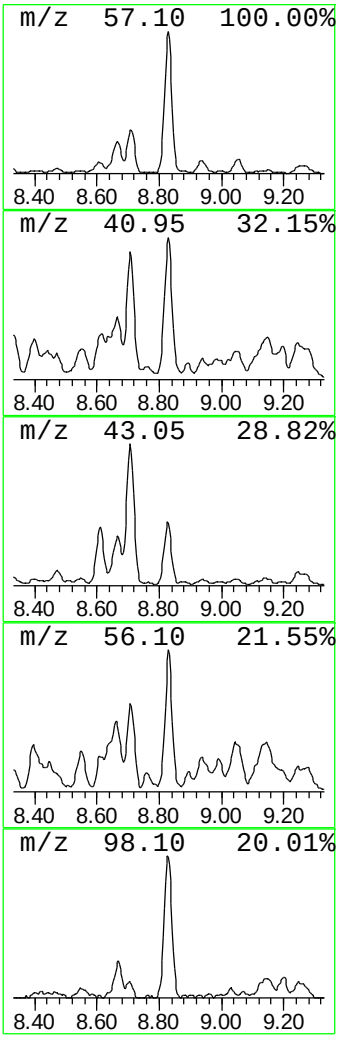
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	7.25 ug/L	188213	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	72
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	70
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

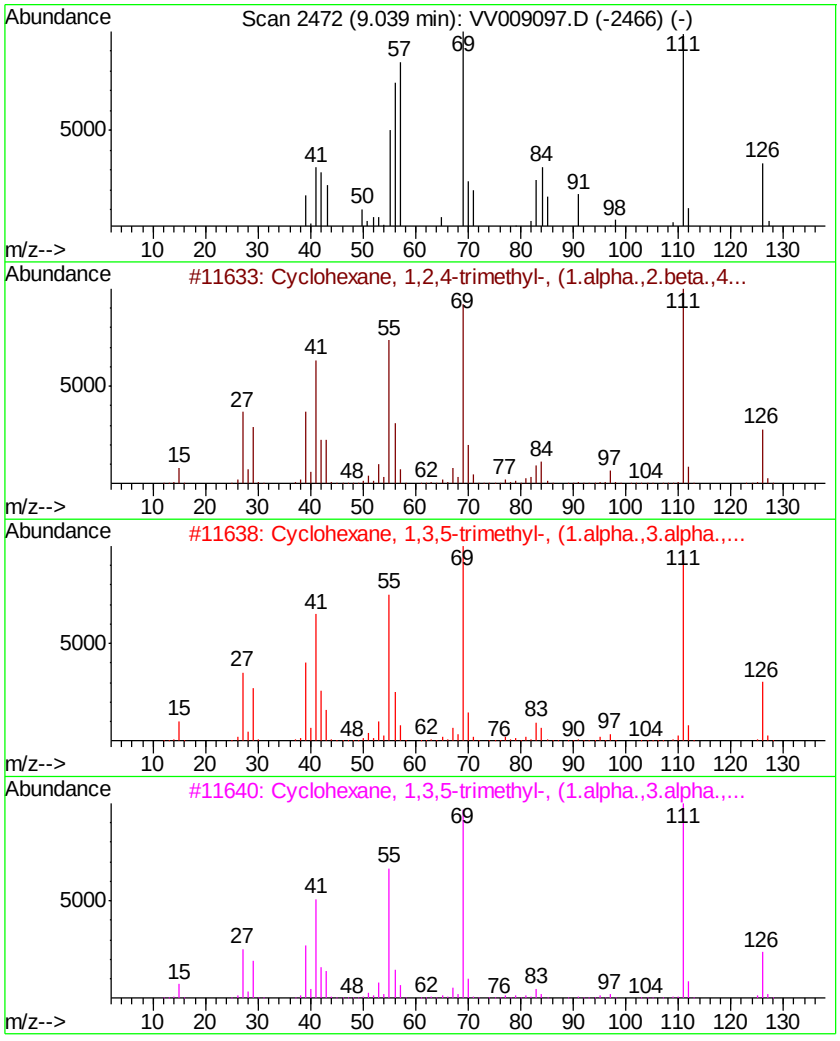
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

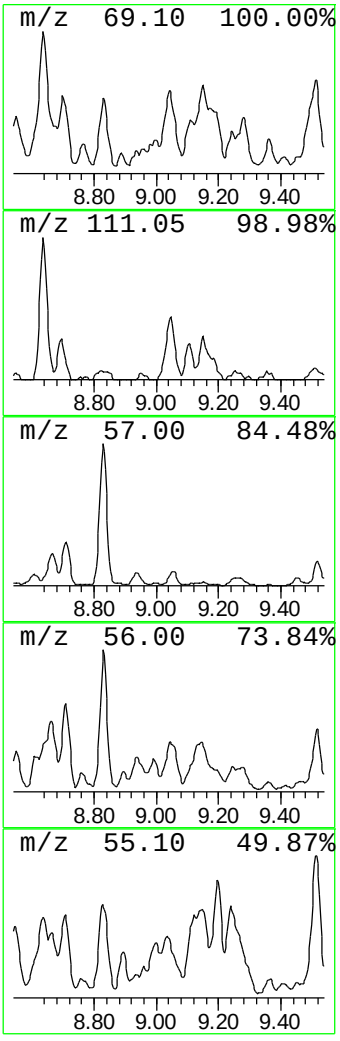
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic9.04 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	1.96 ug/L	50893	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	58
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	47
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	46
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	46





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

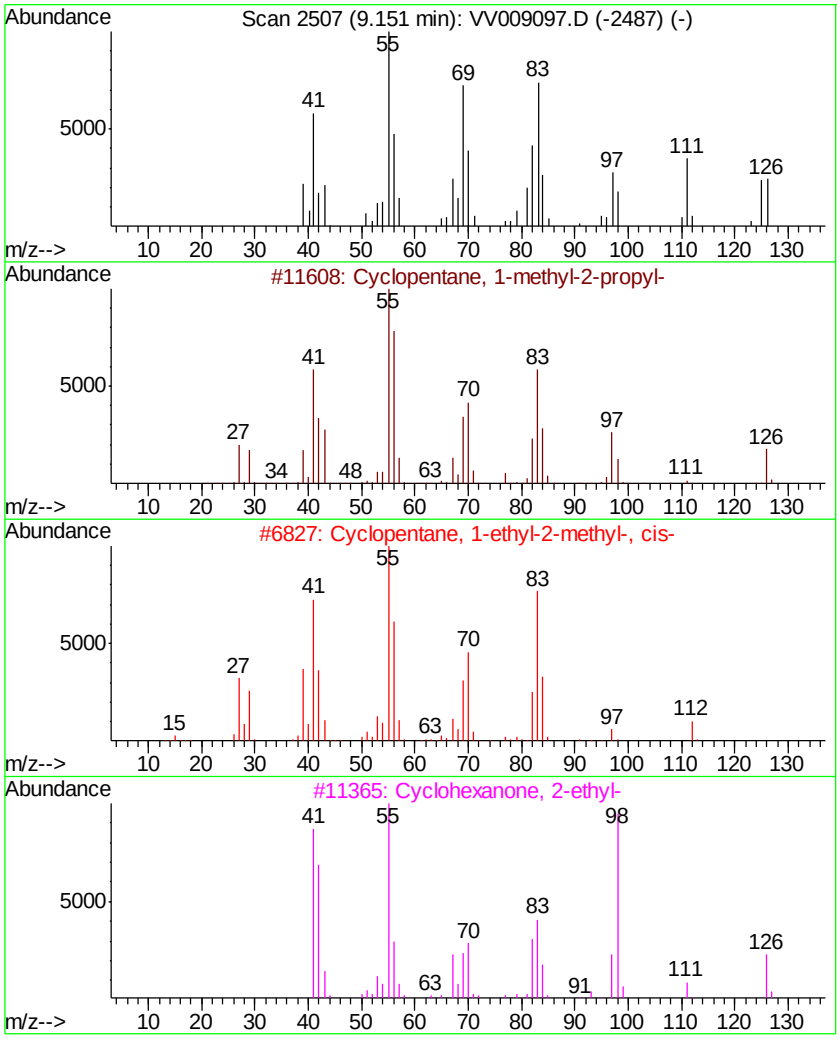
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

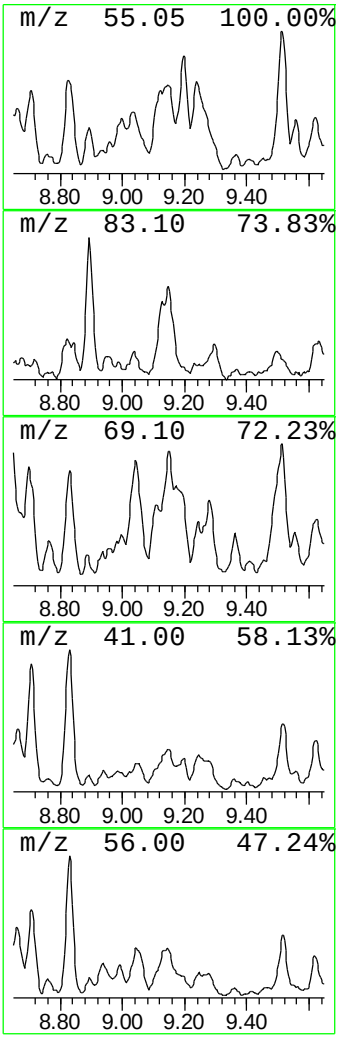
****

Peak Number 38 (DEL) Alkane: Cyclic9.15 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	3.84 ug/L	99707	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	90
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	60
3	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	53
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	49
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	49





Library Search Compound Report

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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

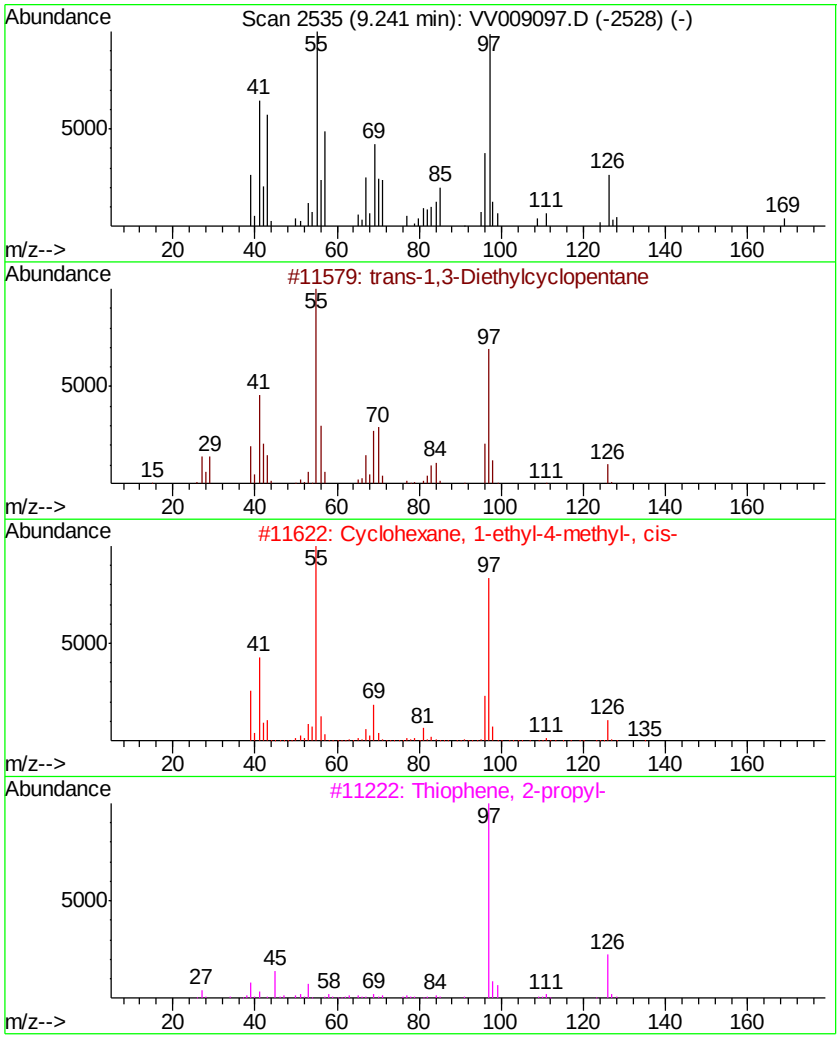
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

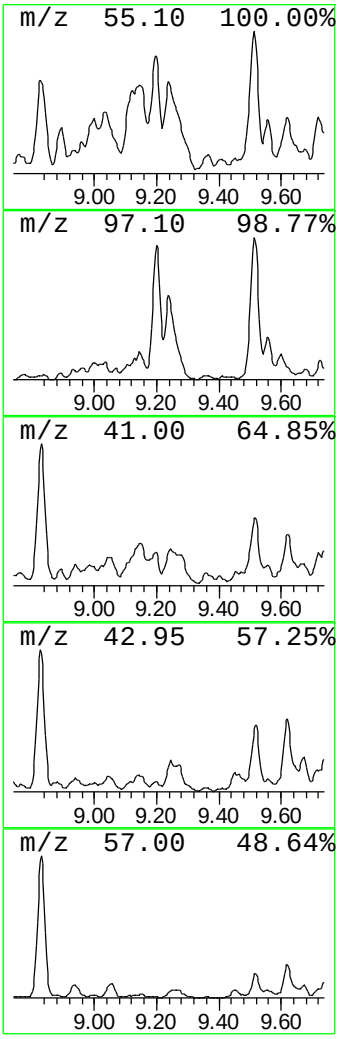
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Cyclic9.24 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	4.51 ug/L	117125	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	47
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
3	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	38
4	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	38
5	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	38





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

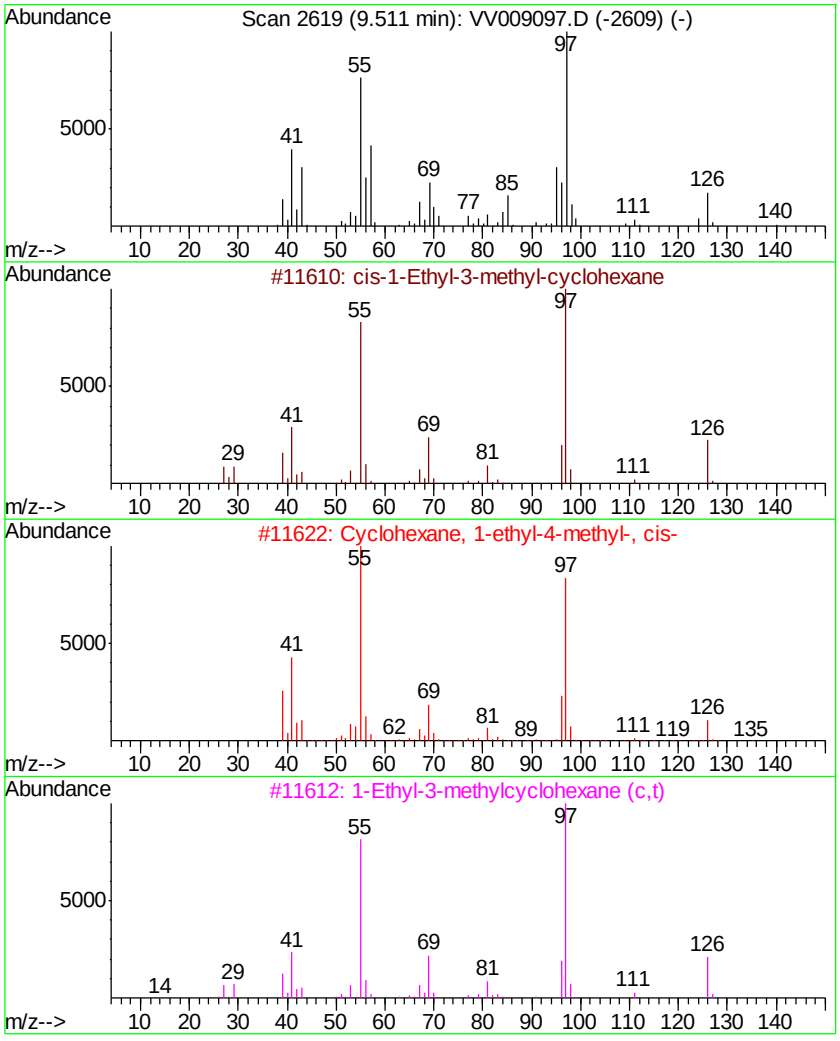
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

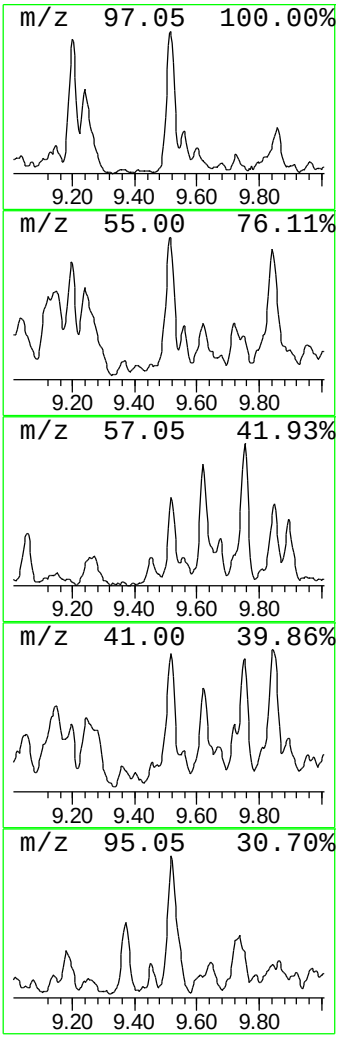
****

Peak Number 40 (DEL) Alkane: Cyclic9.51 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	4.59 ug/L	119119	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	70
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	70
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	70
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

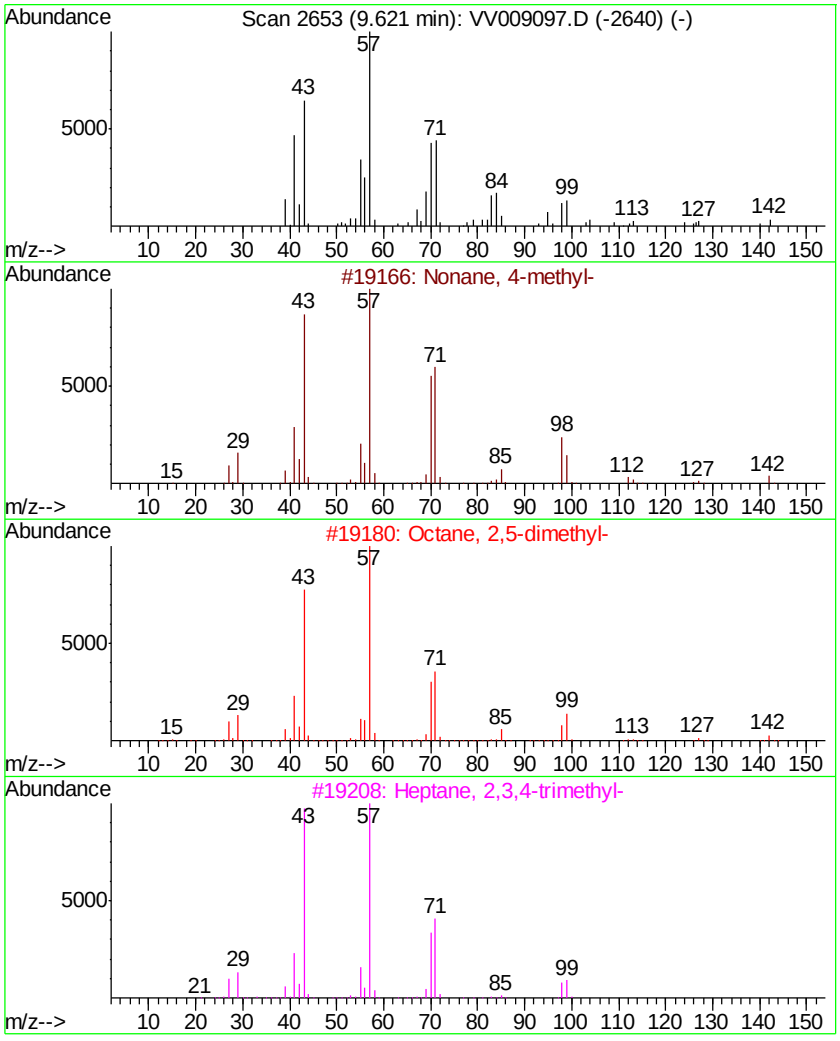
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

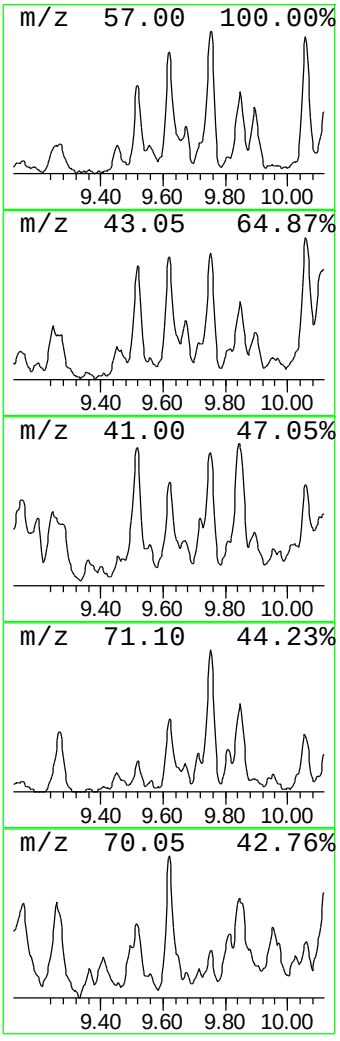
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	3.08 ug/L	80055	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	68
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	62
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	52
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	50





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

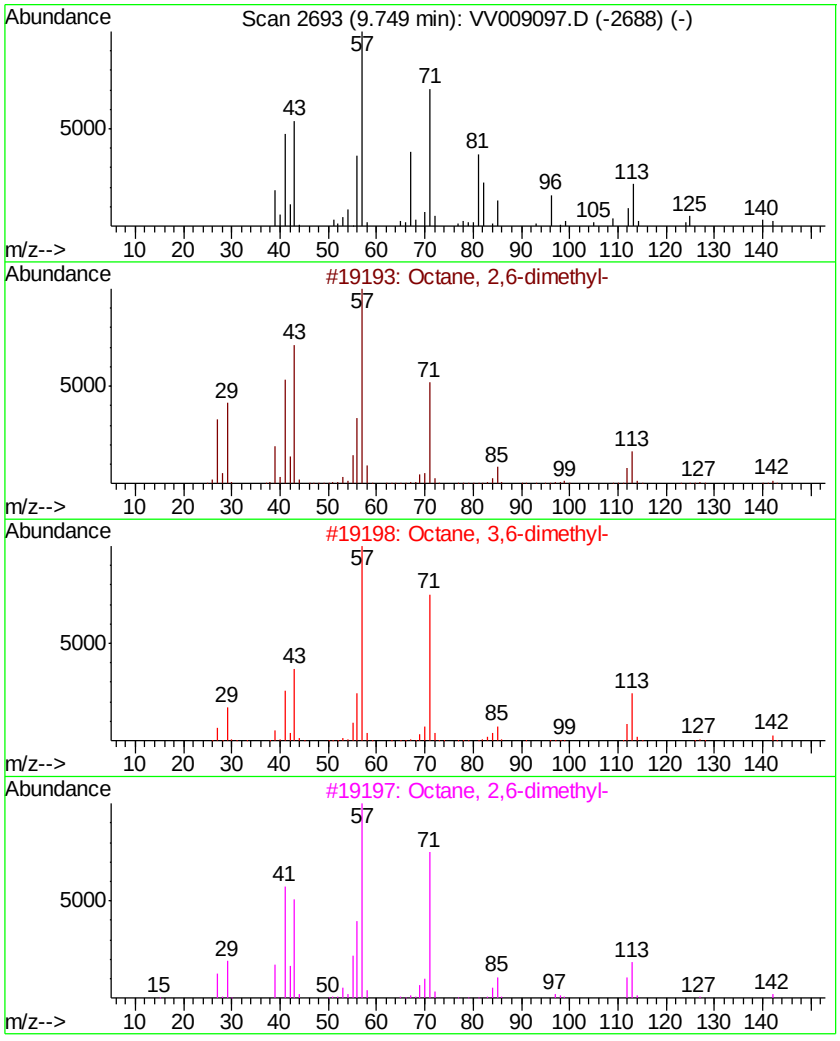
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

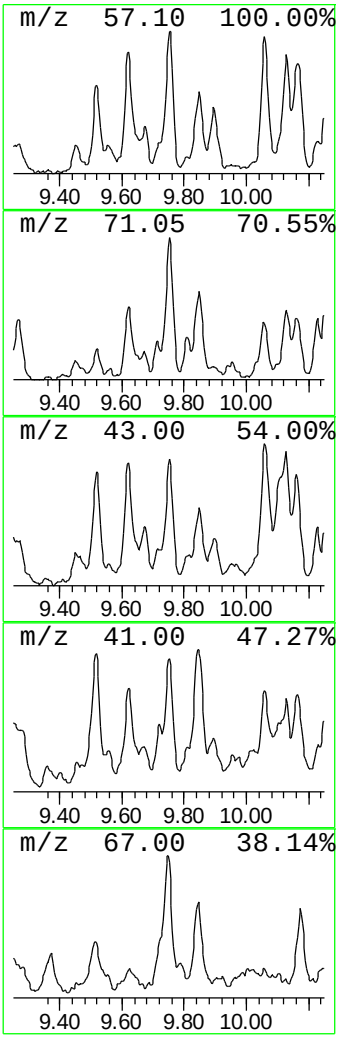
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	3.43 ug/L	89006	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	46





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

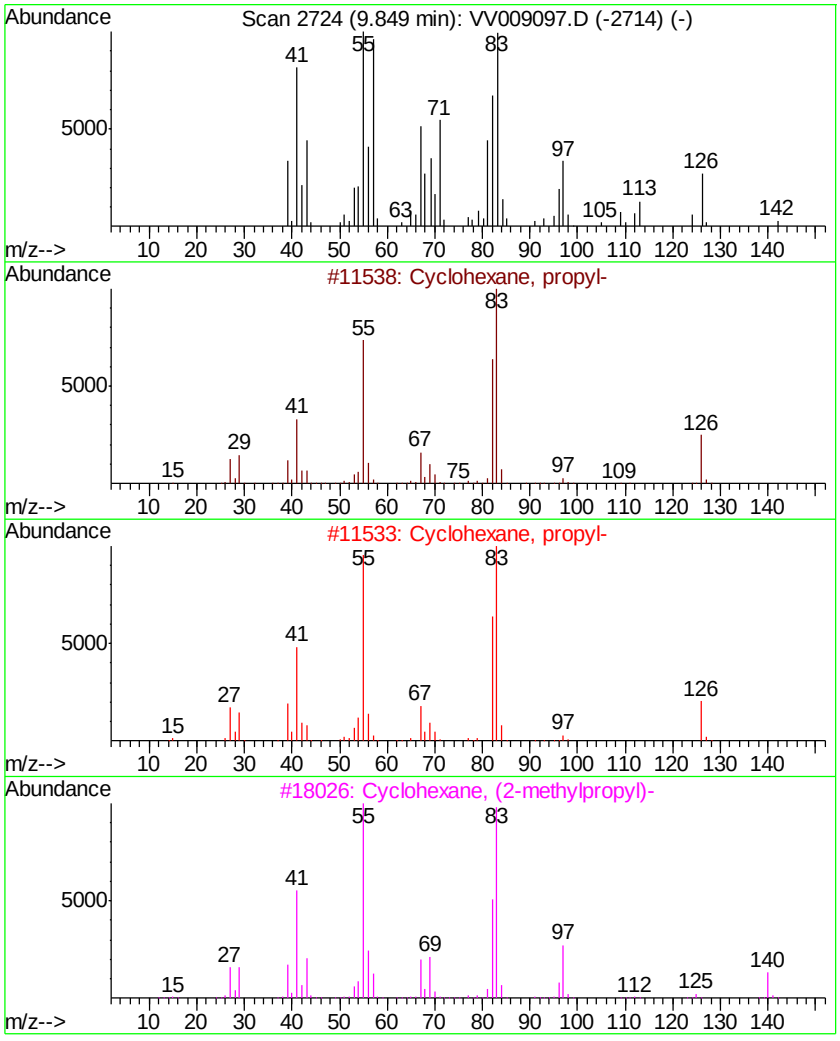
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

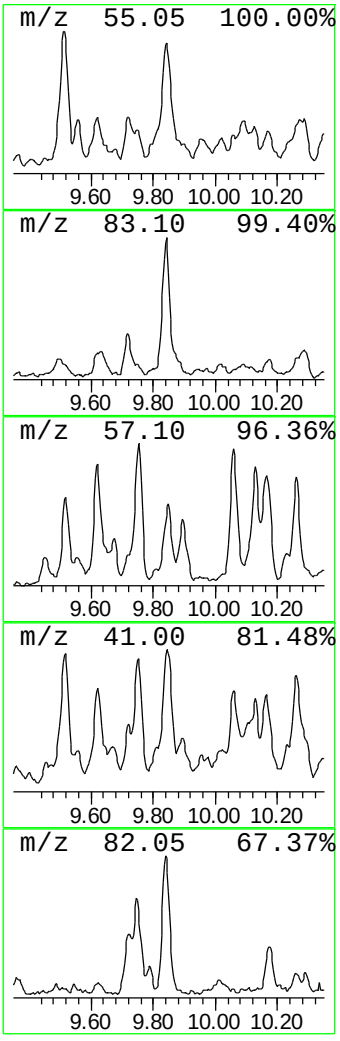
****

Peak Number 43 (DEL) Alkane: Cyclic9.85 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	3.54 ug/L	91944	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	46
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	46
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
4	trans-7-Oxabicyclo[4.3.0]nonane	126	C8H14O	027345-70-6	43
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	43





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

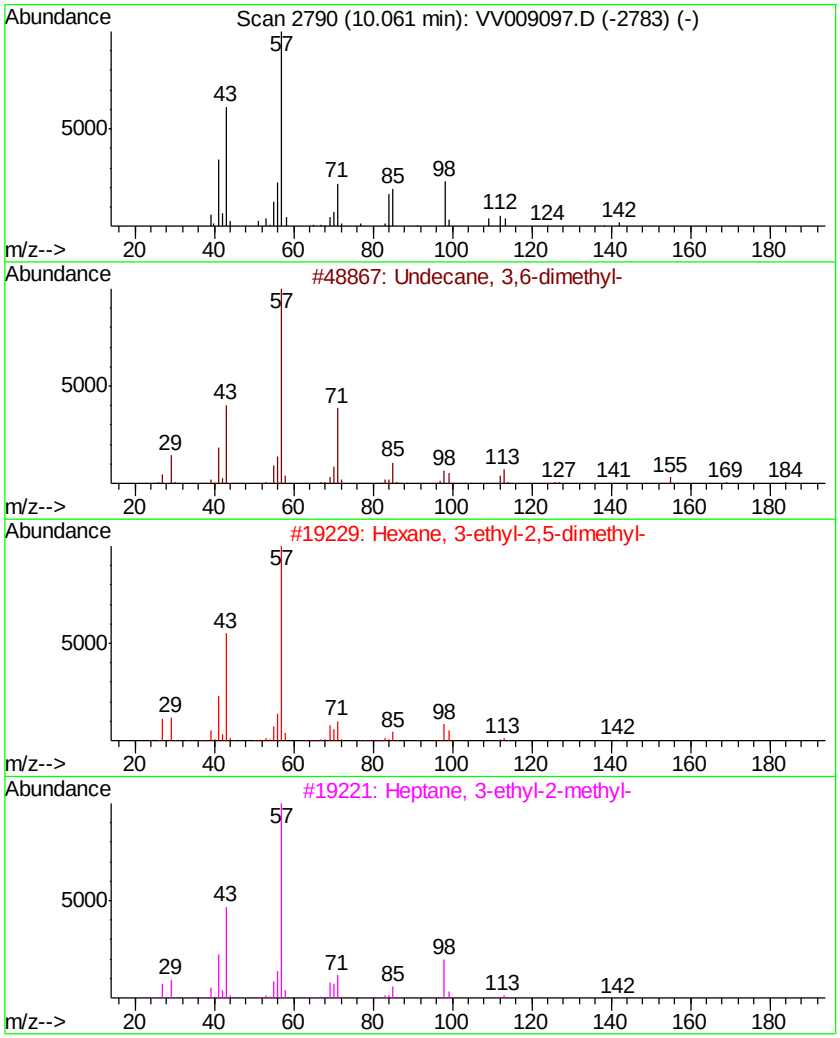
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

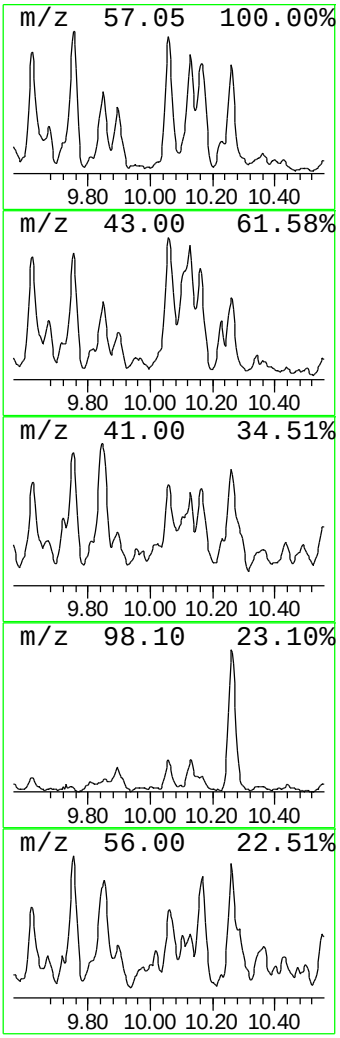
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	1.43 ug/L	37023	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	47
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	47





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

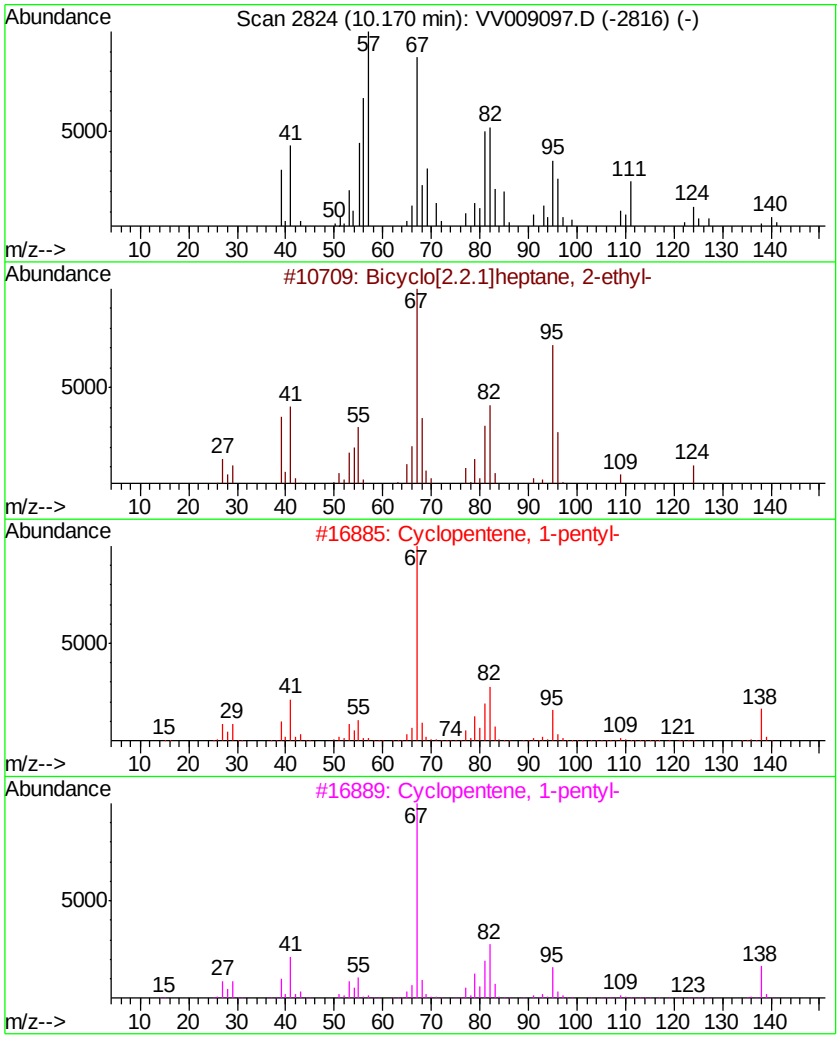
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

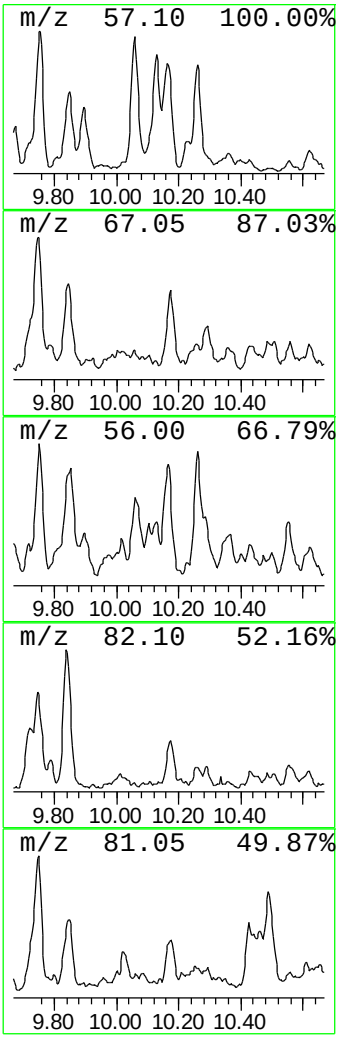
****

Peak Number 45 unknown-02 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.34 ug/L	70711	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	38
2	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	38
3	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	38
4	19,19-Dimethyl-eicosa-8,11-dieno...	336	C22H40O2	1000297-01-9	35
5	Ethylidenecycloheptane	124	C9H16	010494-87-8	30





Library Search Compound Report

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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

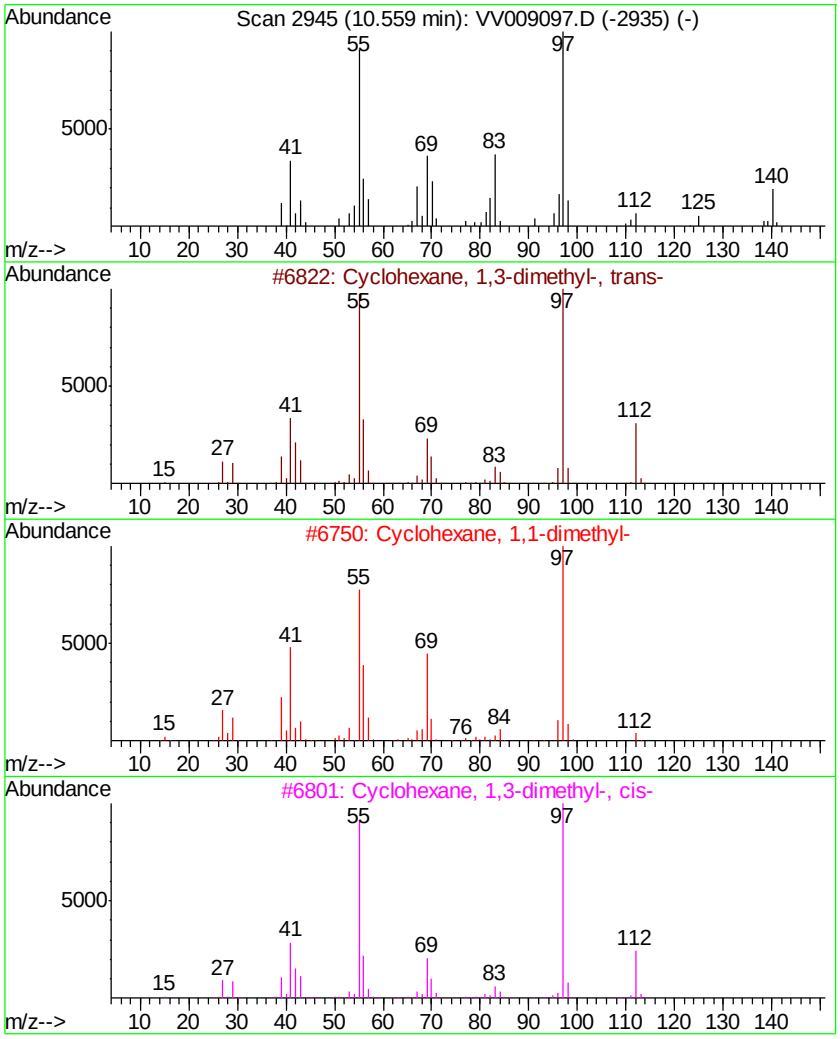
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

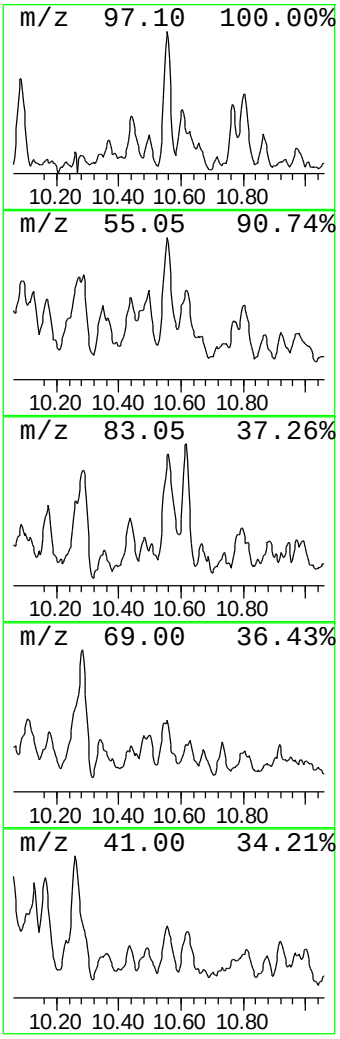
****

Peak Number 46 (DEL) Alkane: Cyclic10.56 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	1.89 ug/L	40056	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	52
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50





Library Search Compound Report

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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

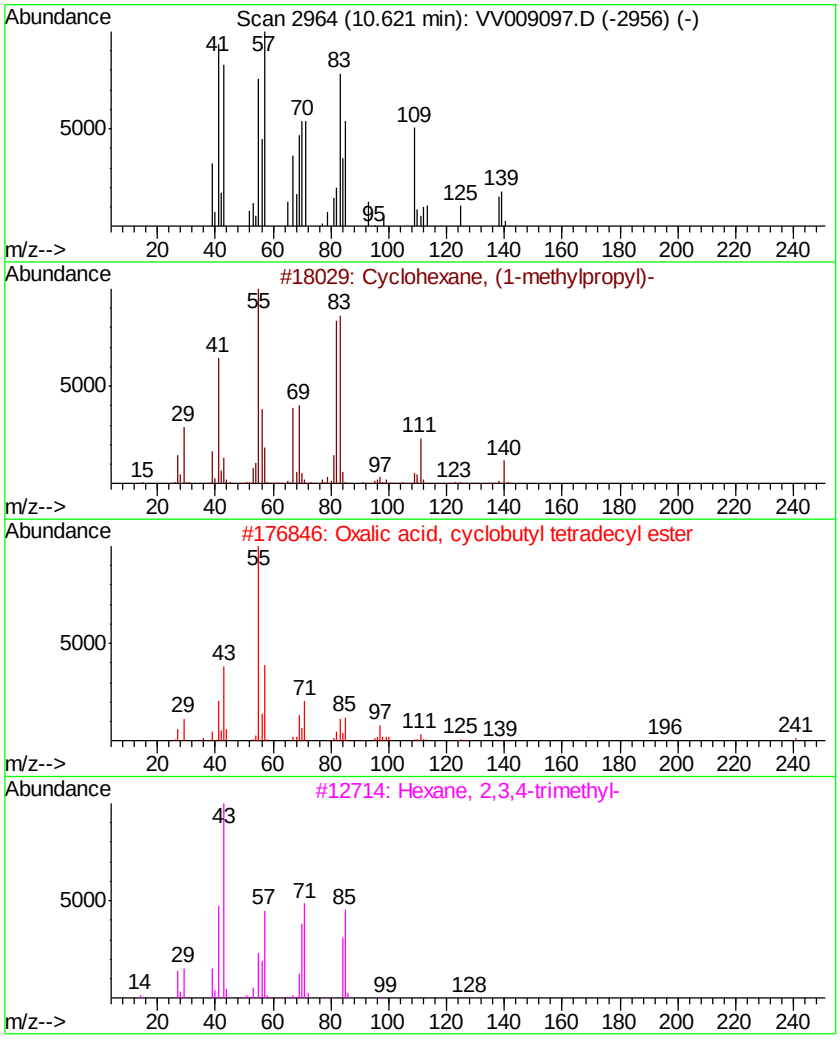
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

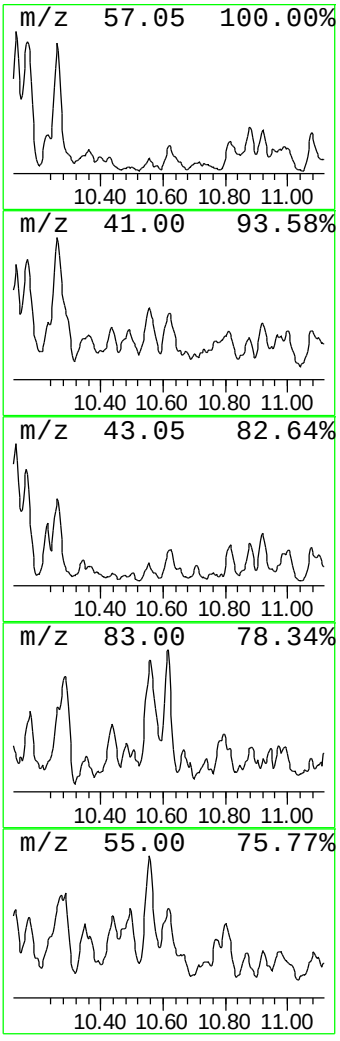
****

Peak Number 47 (DEL) Alkane: Cyclic10.62 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	1.31 ug/L	27705	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
2	Oxalic acid, cyclobutyl tetradec...	340	C20H36O4	1000309-70-9	35
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	35
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	30
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	25





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

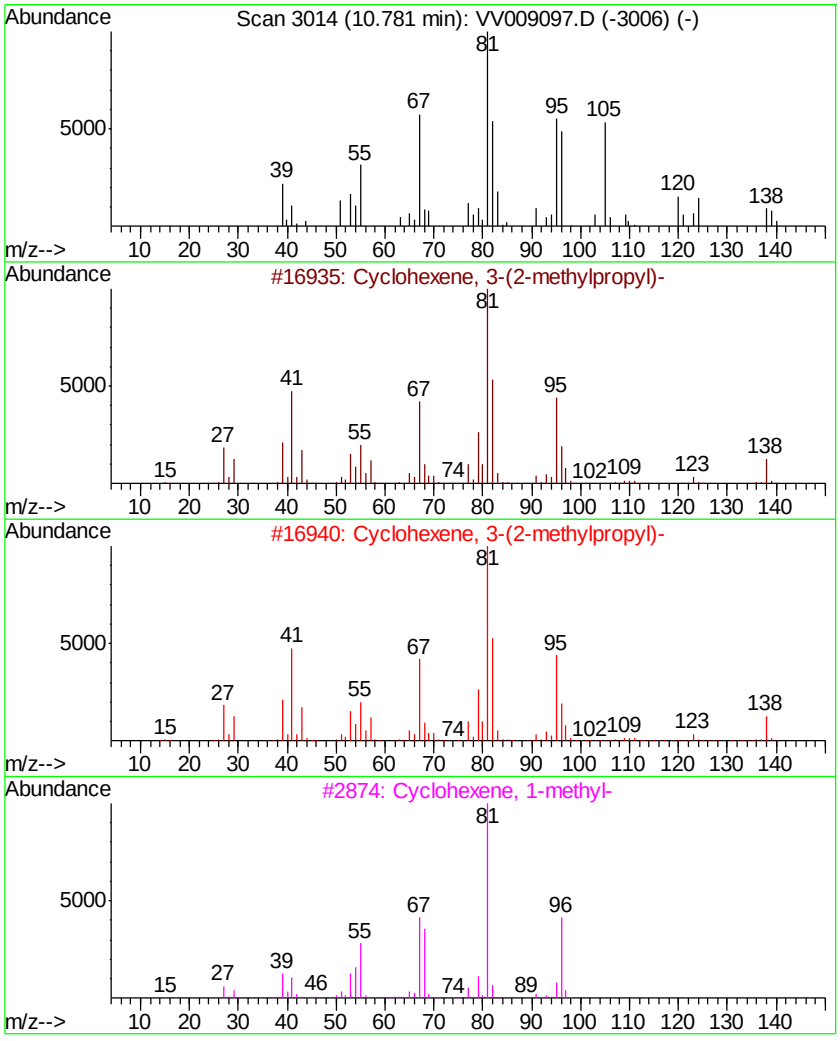
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

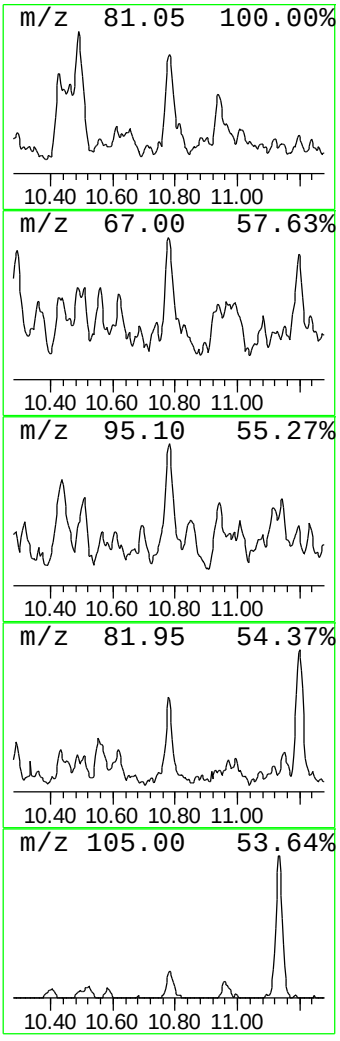
****

Peak Number 48 (DEL) Alkane: Cyclic10.78 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	1.31 ug/L	27698	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	52
2	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	52
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
4	Cyclopropene, 1-butyl-2-ethyl-	124	C9H16	050915-91-8	45
5	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	43





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Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

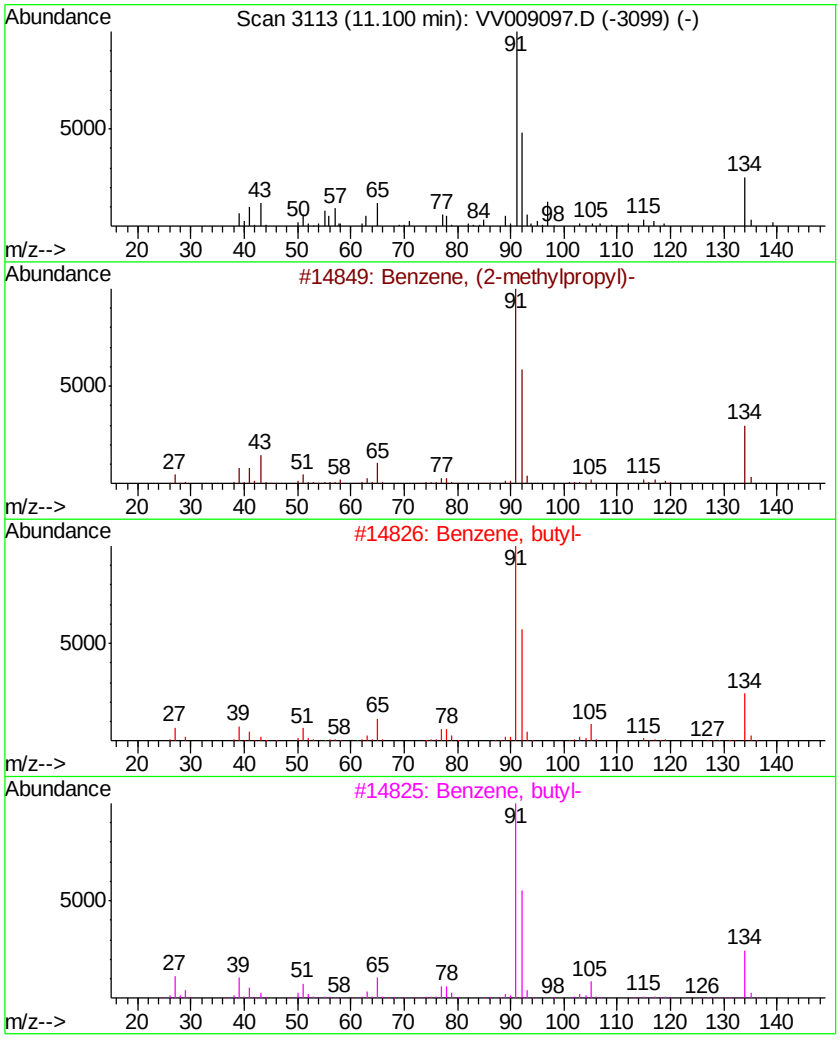
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

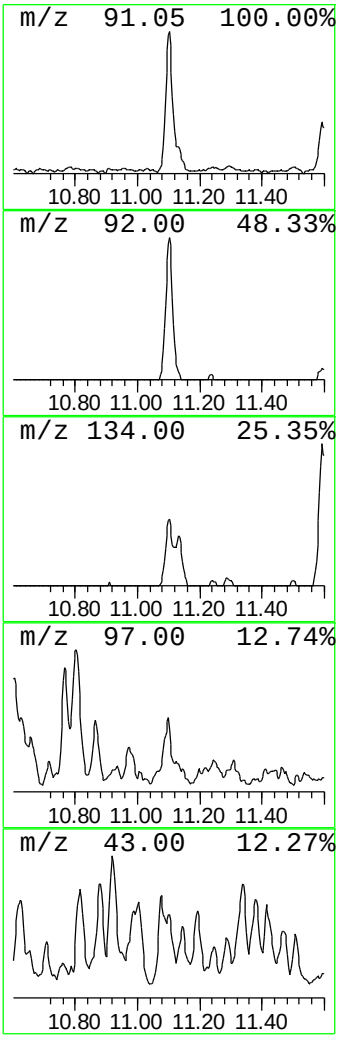
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, (2-methylpropyl)- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.02 ug/L	63948	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	81
2	Benzene, butyl-	134	C10H14	000104-51-8	76
3	Benzene, butyl-	134	C10H14	000104-51-8	76
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	74
5	Benzene, butyl-	134	C10H14	000104-51-8	74





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

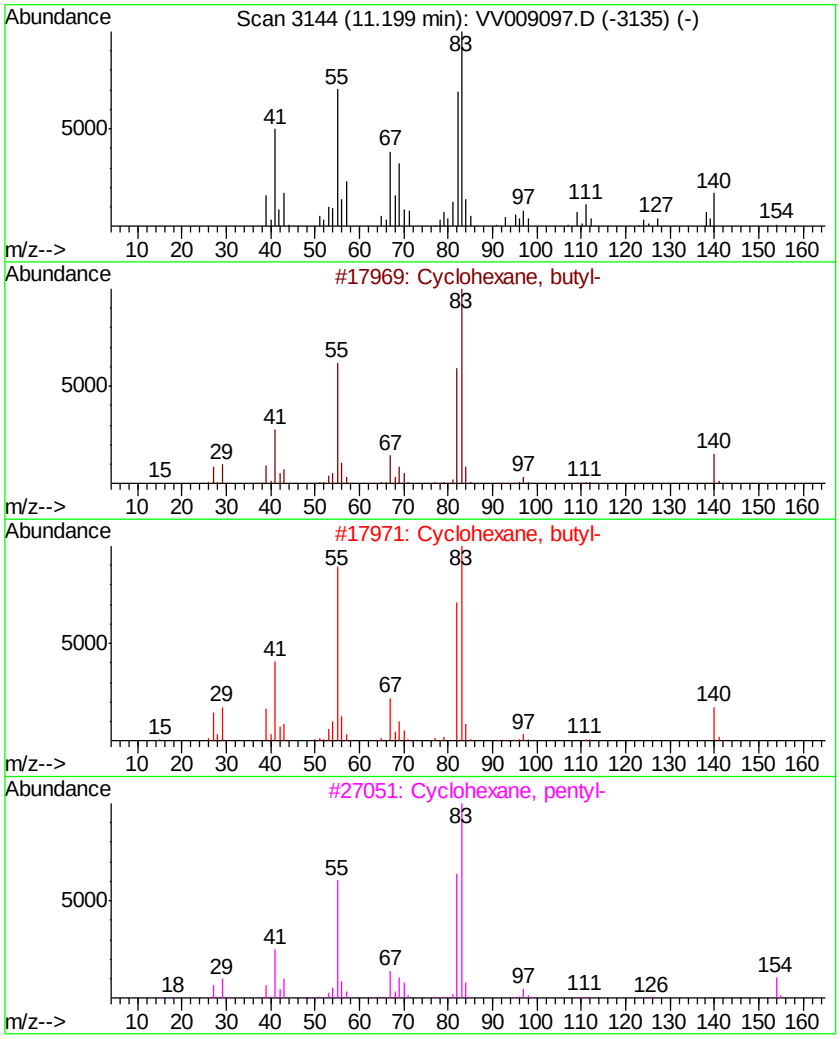
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

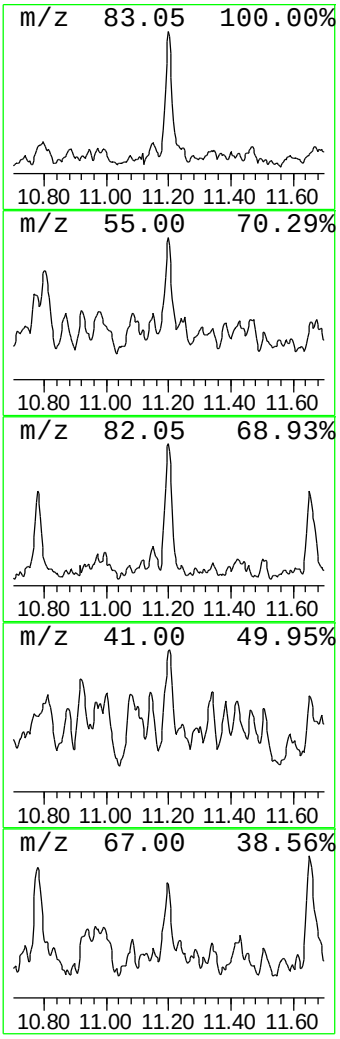
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Cyclic11.20 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.60 ug/L	33866	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	62
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	58
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50





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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

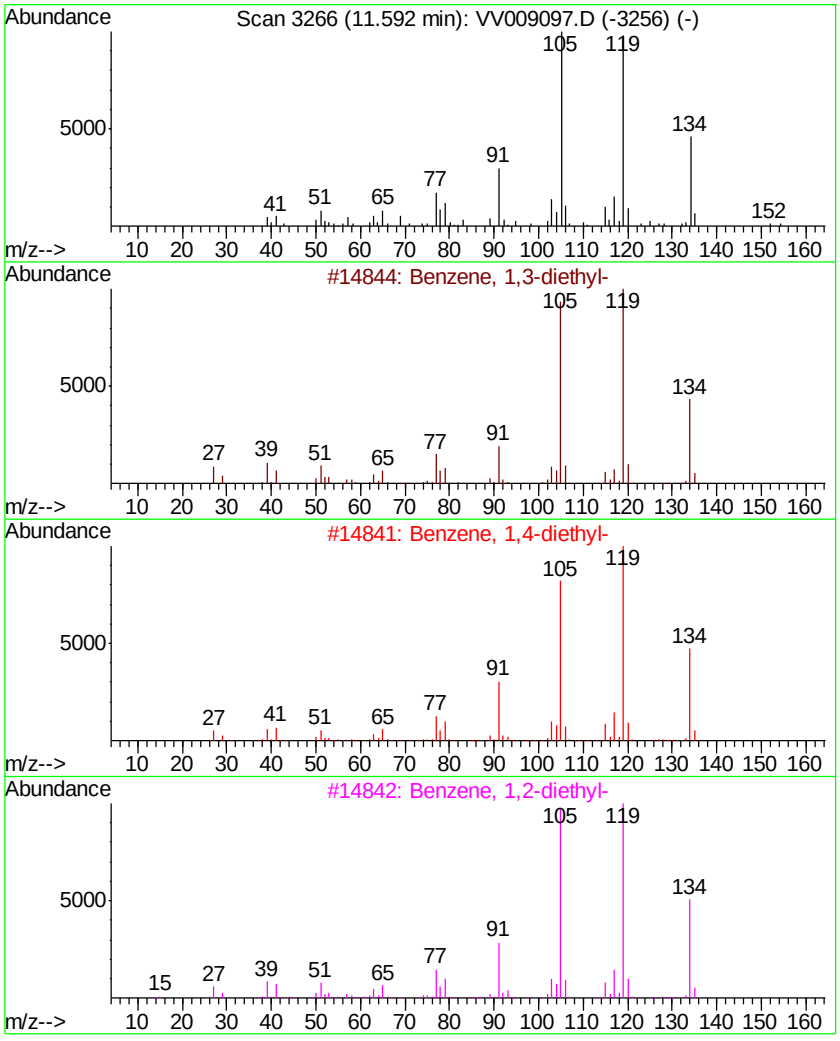
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

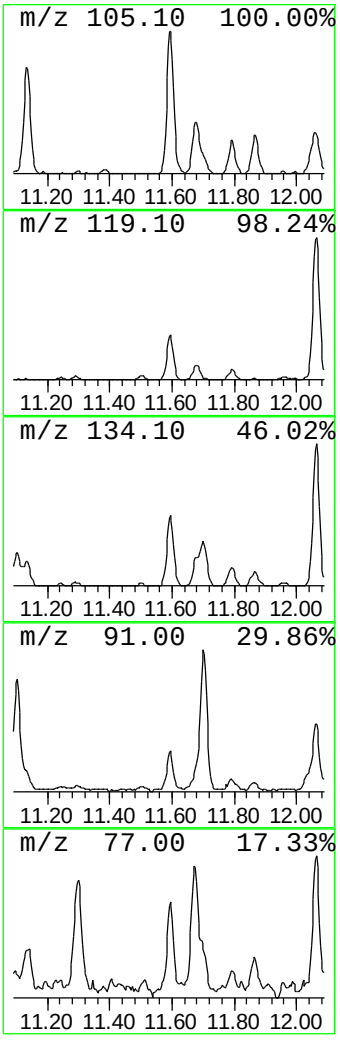
****

Peak Number 51 Benzene, 1,3-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	3.37 ug/L	71419	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

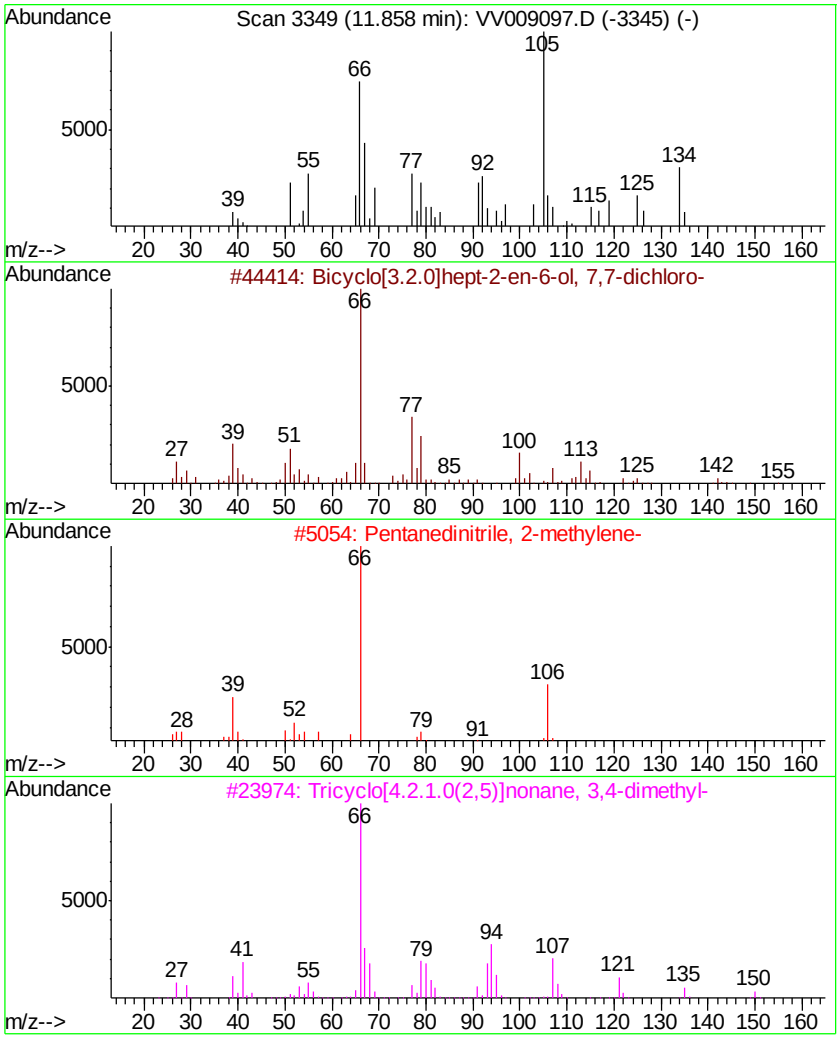
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

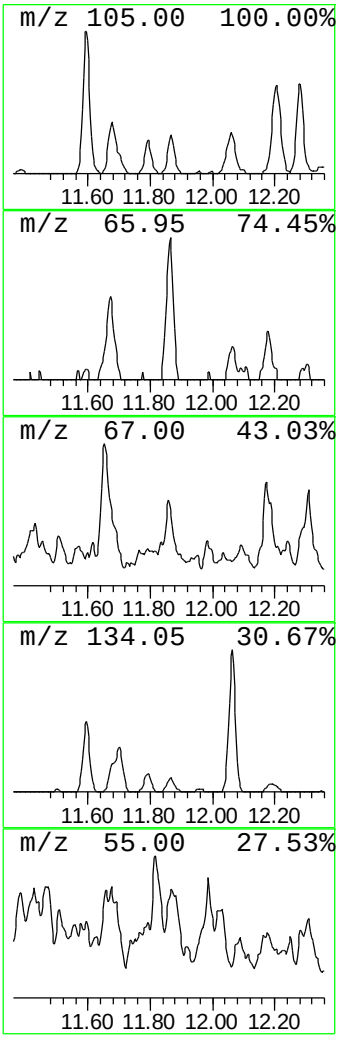
****

Peak Number 52 unknown-03 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	1.37 ug/L	29034	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.0]hept-2-en-6-ol, 7,...	178	C7H8Cl2O	092998-64-6	43
2	Pentanedinitrile, 2-methylene-	106	C6H6N2	001572-52-7	38
3	Tricyclo[4.2.1.0(2,5)]nonane, 3,...	150	C11H18	050333-74-9	38
4	Tricyclo[5.2.1.0(2,6)]dec-3-en-1...	150	C10H14O	039852-87-4	38
5	Pentanedinitrile, 2-methylene-	106	C6H6N2	001572-52-7	38





Library Search Compound Report

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Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

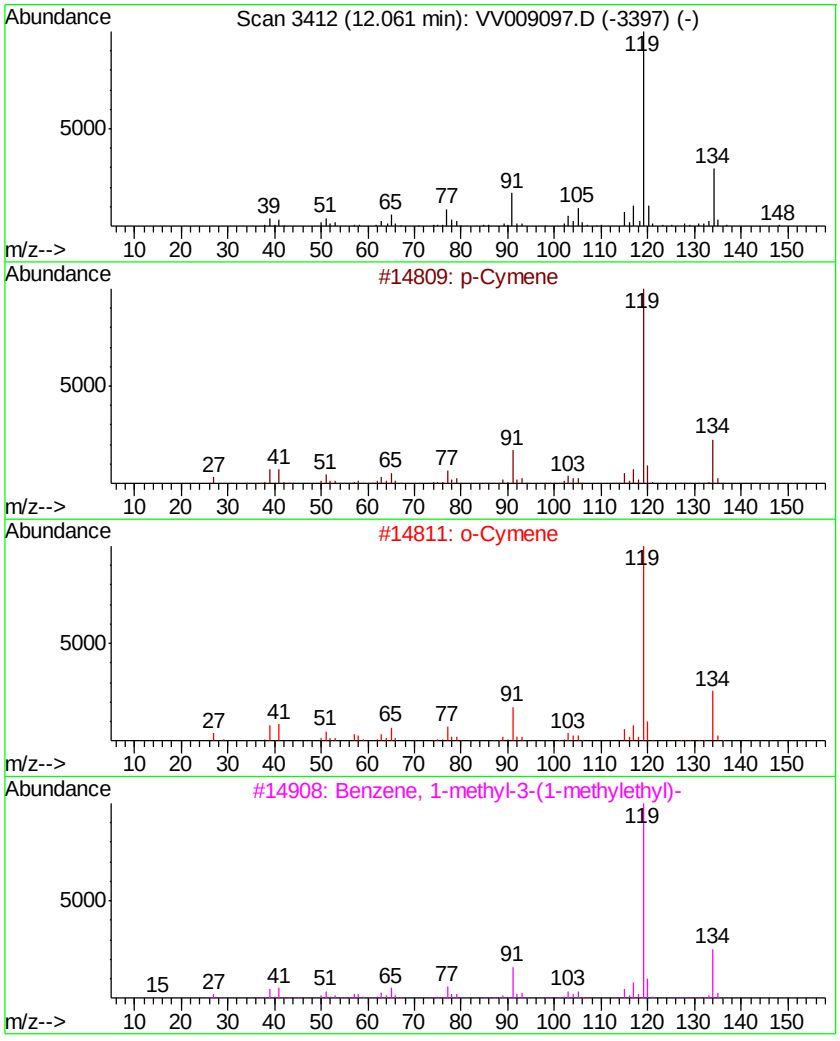
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

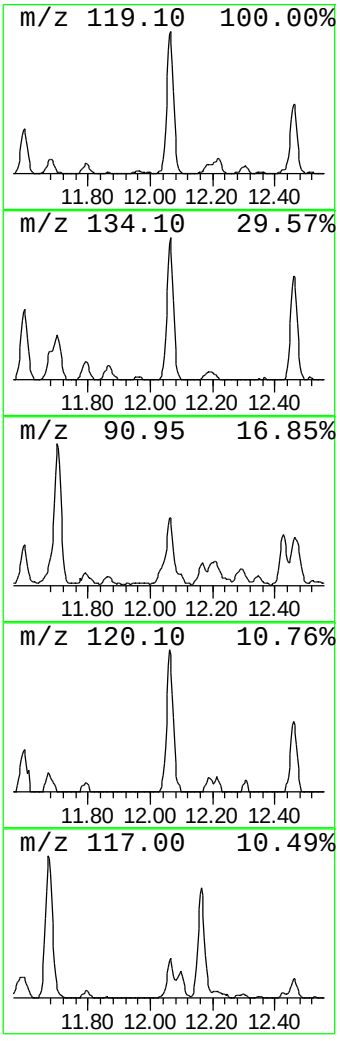
****

Peak Number 53 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	7.31 ug/L	154885	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

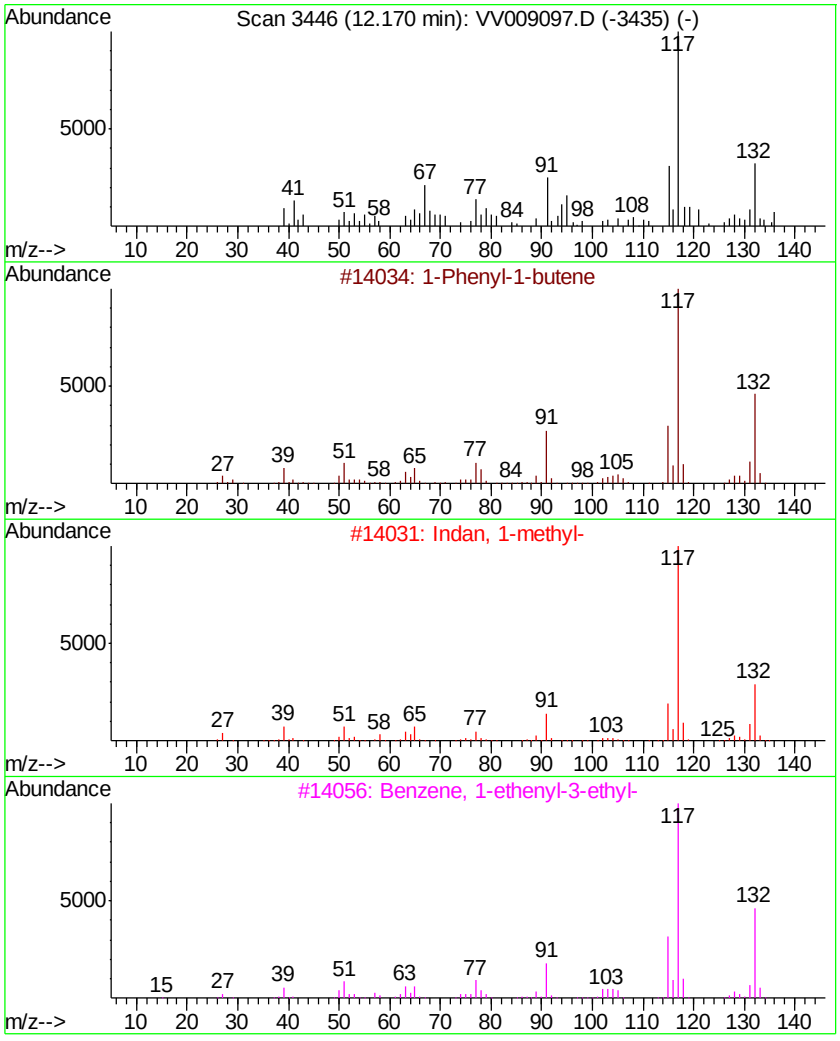
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

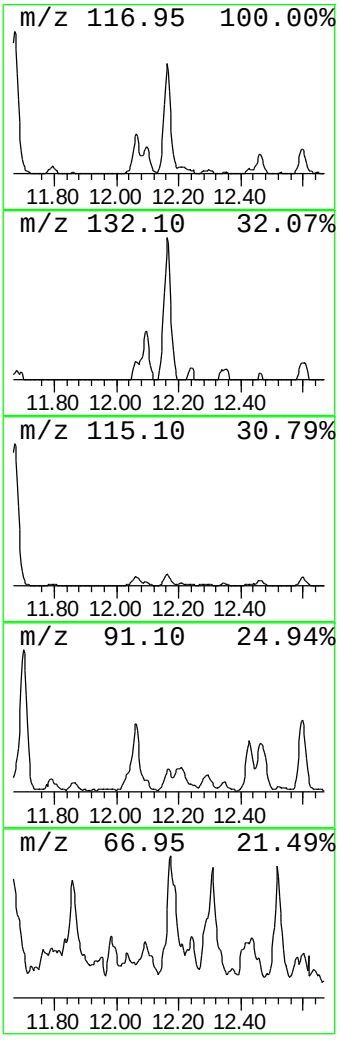
****

Peak Number 54 1-Phenyl-1-butene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.06 ug/L	64825	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Library Search Compound Report

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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

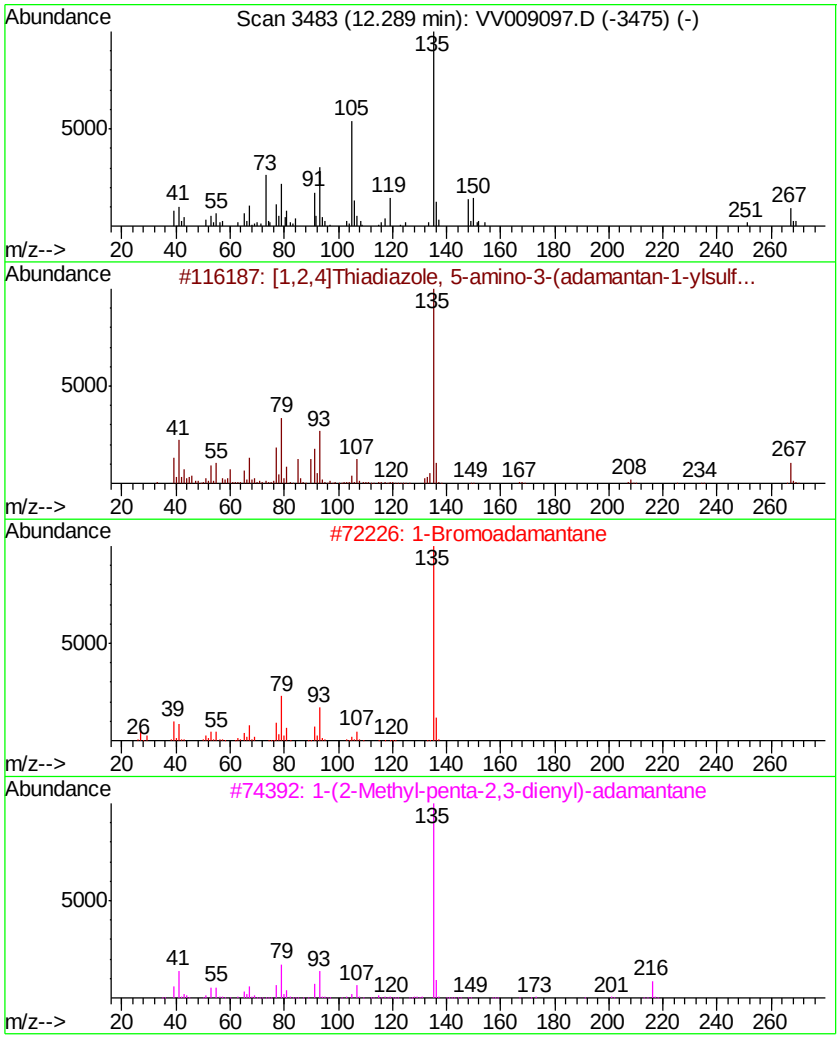
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

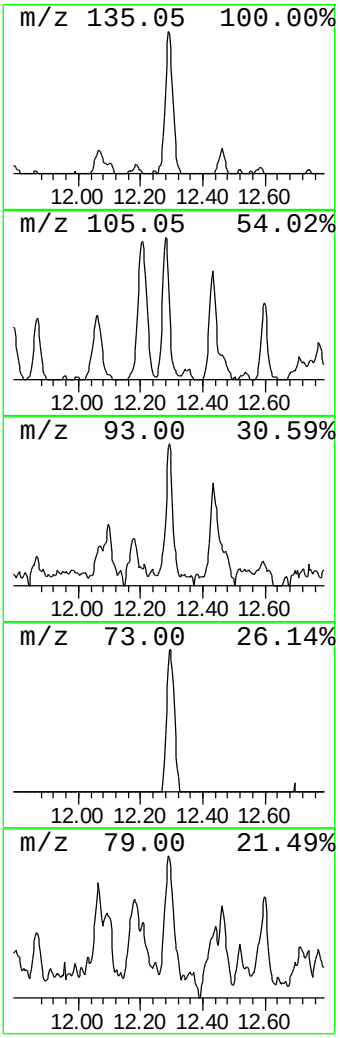
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 [1,2,4]Thiadiazole, 5-amino... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.79 ug/L	59010	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,2,4]Thiadiazole, 5-amino-3-(a...	267	C12H17N3S2	1000316-42-5	52
2	1-Bromoadamantane	214	C10H15Br	000768-90-1	49
3	1-(2-Methyl-penta-2,3-dienyl)-ad...	216	C16H24	063001-10-5	47
4	Adamantane-1-carboxylic acid, (4...	304	C15H20N4O3	1000305-04-4	47
5	1-Adamantanecarboxylic acid, 3,5...	292	C17H18F2O2	1000293-75-1	47





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Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

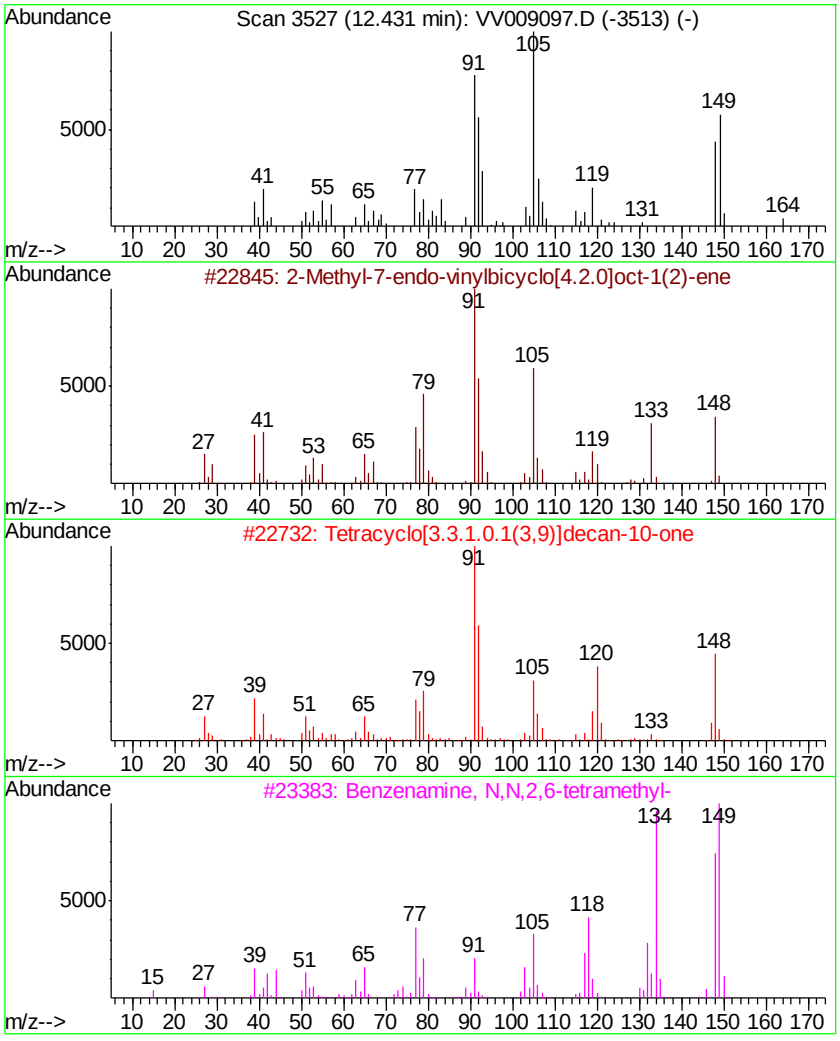
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

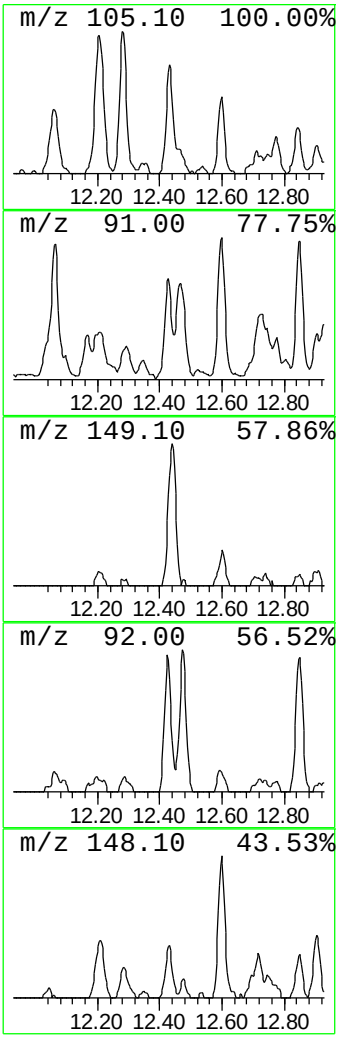
****

Peak Number 56 2-Methyl-7-endo-vinylbicycl... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.96 ug/L	62713	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	50
2	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	50
3	Benzenamine, N,N,2,6-tetramethyl-	149	C10H15N	000769-06-2	43
4	exo-7-(trans-1-Propenyl)bicyclo[...	148	C11H16	107983-42-6	43
5	exo-7-(trans-1-Propenyl)bicyclo[...	148	C11H16	107983-42-6	43





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Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

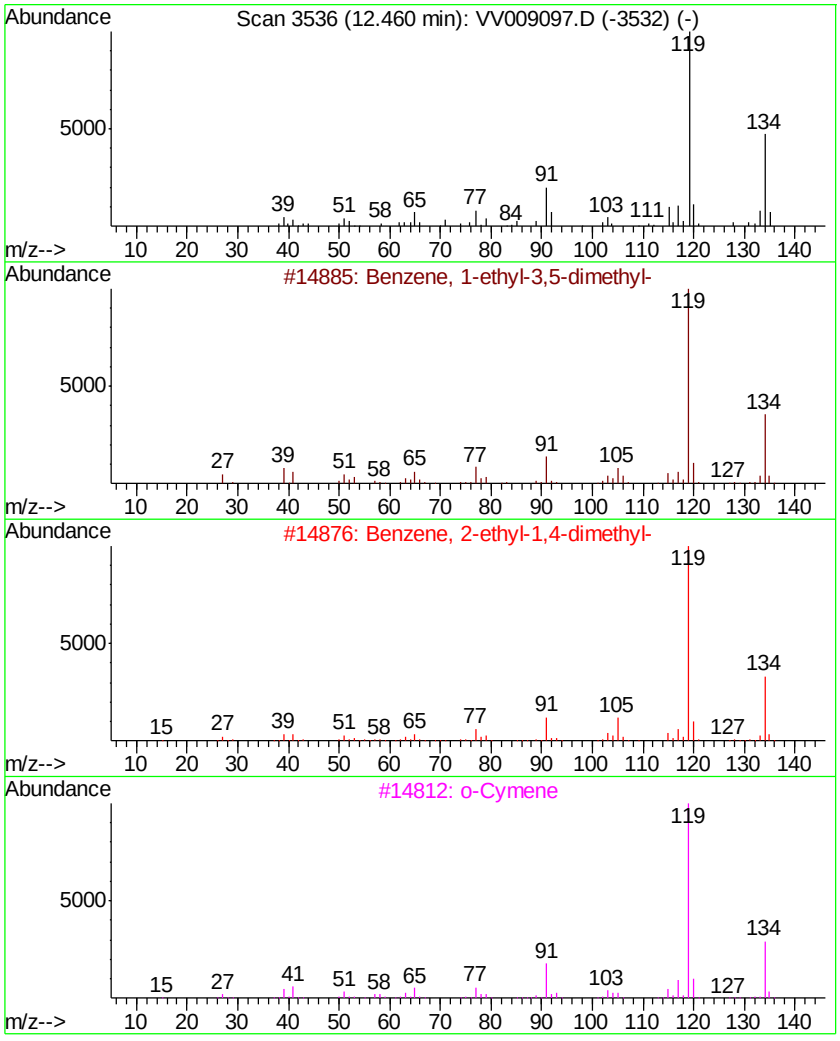
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

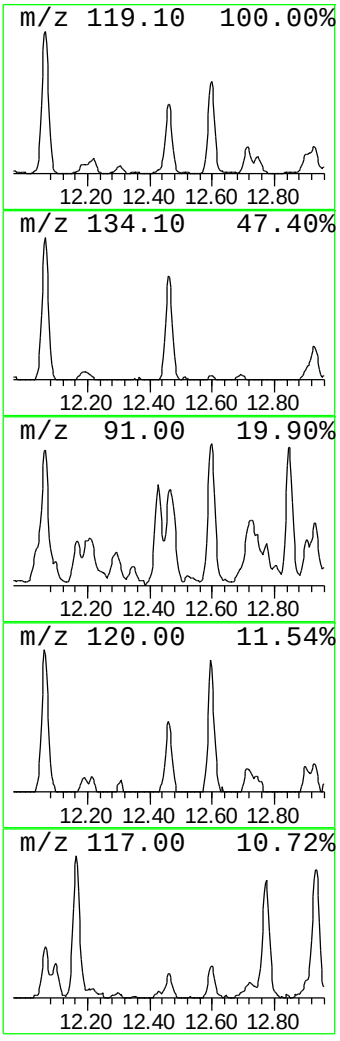
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.40 ug/L	71930	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

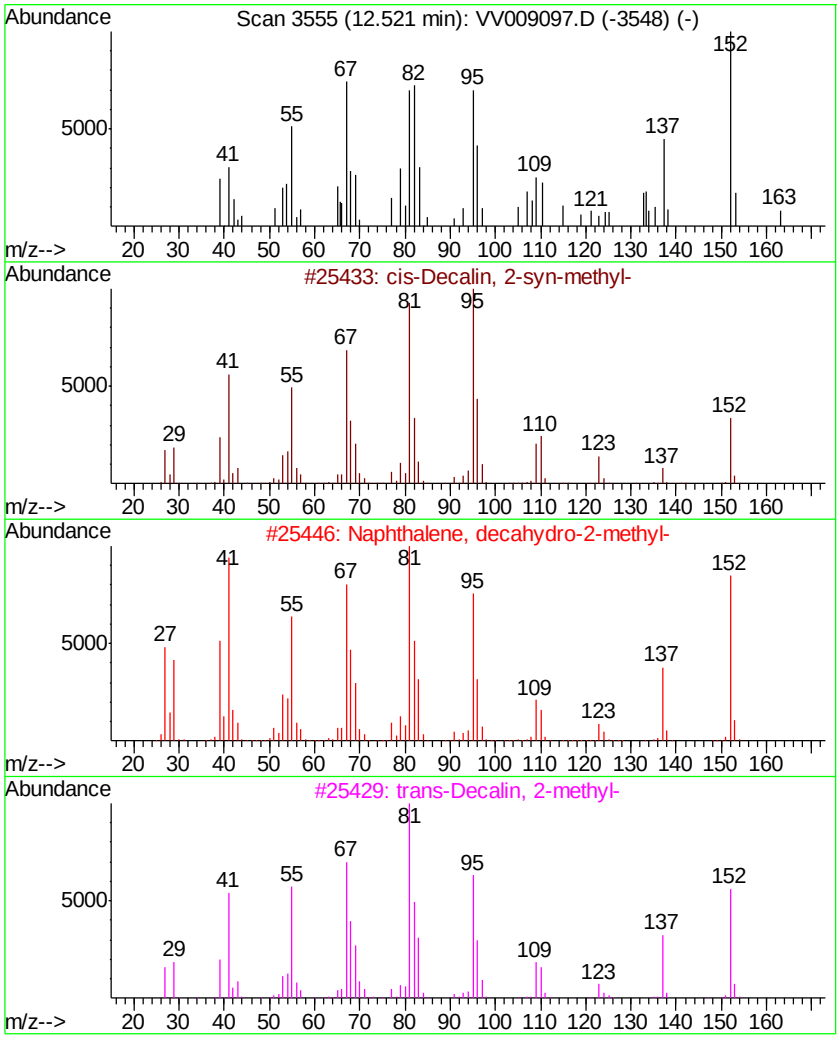
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

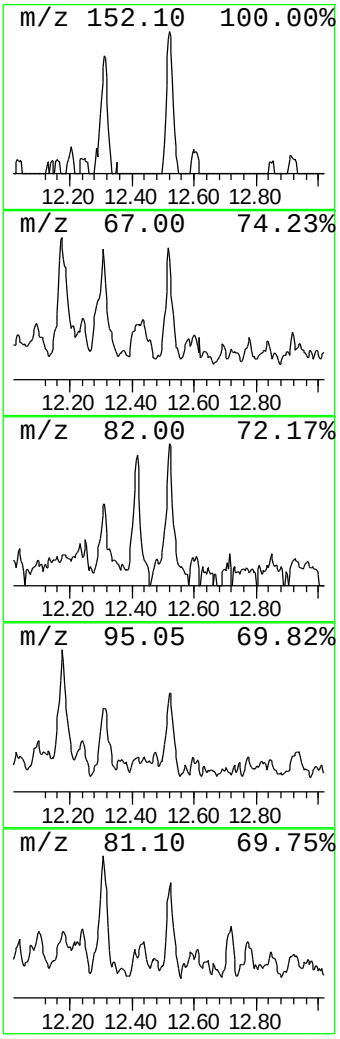
****

Peak Number 58 cis-Decalin, 2-syn-methyl- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	1.28 ug/L	27151	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
5	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	49





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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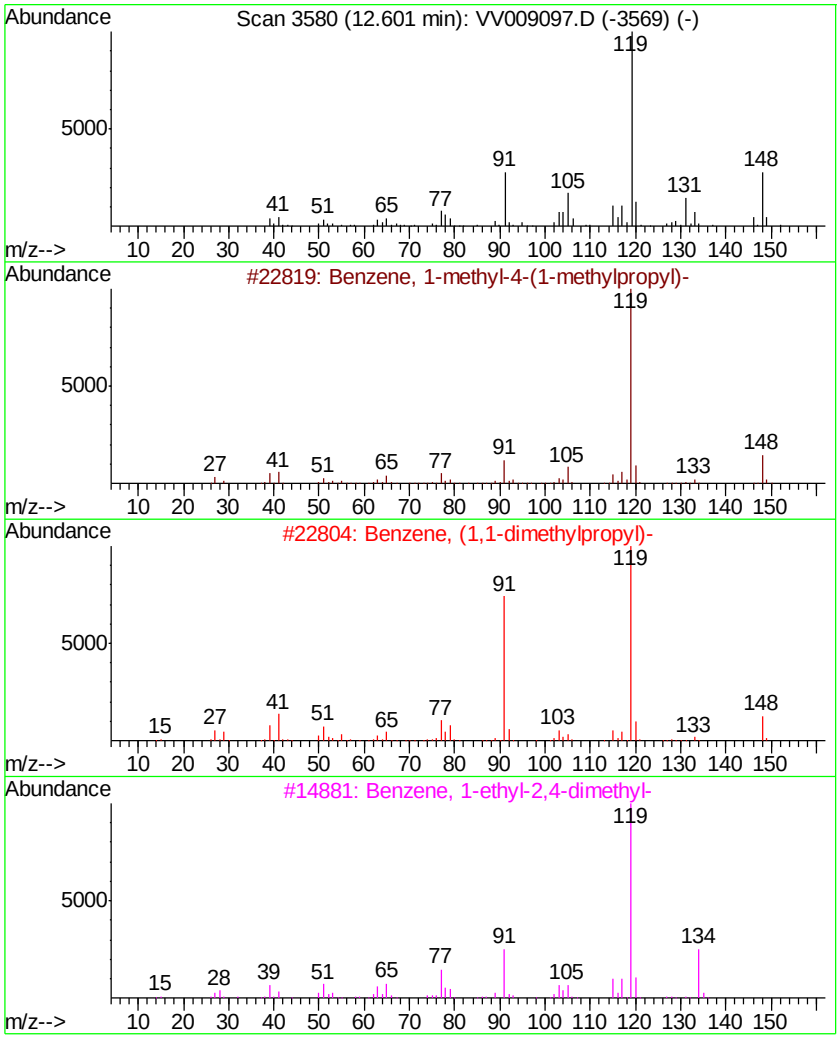
Quant Title : VOC Analysis

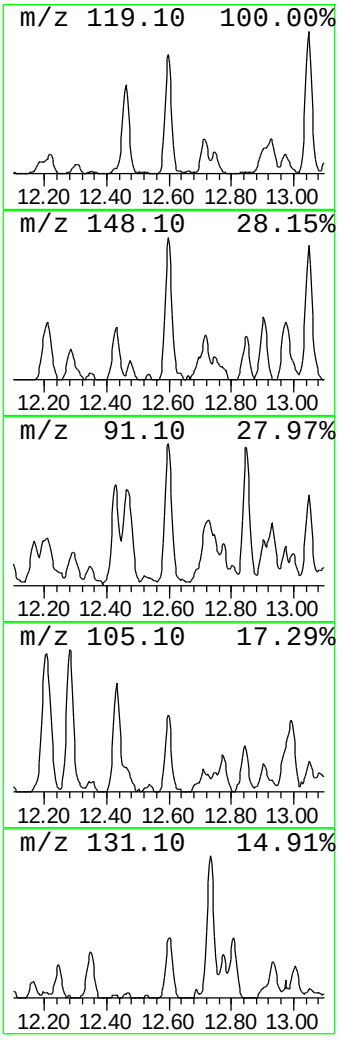
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	4.49 ug/L	95207	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
4	p-Cymene	134	C10H14	000099-87-6	70
5	o-Cymene	134	C10H14	000527-84-4	70





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

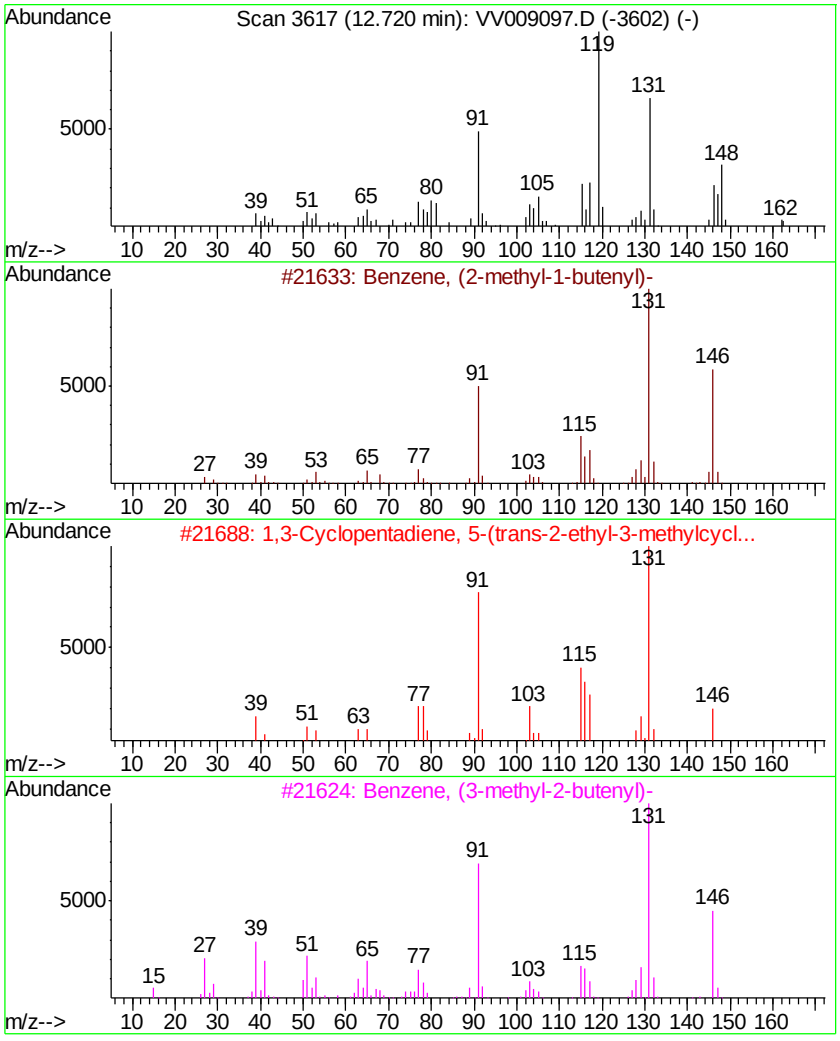
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

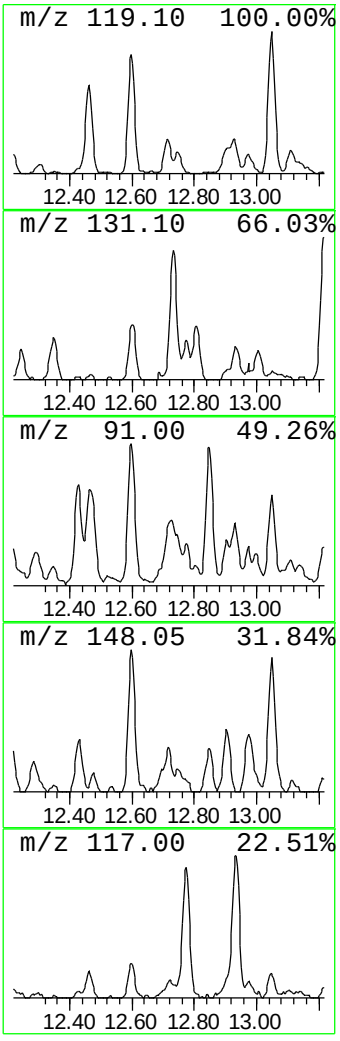
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Benzene, (2-methyl-1-butenyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	3.87 ug/L	82043	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
2	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	64
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

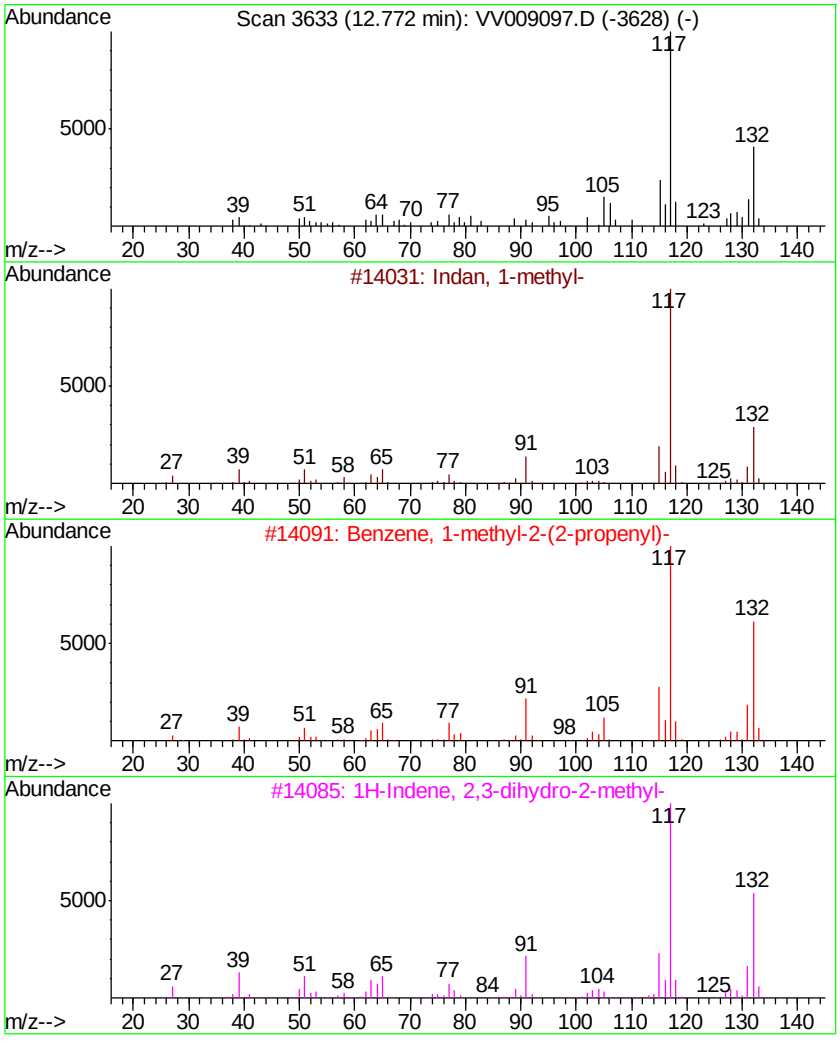
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

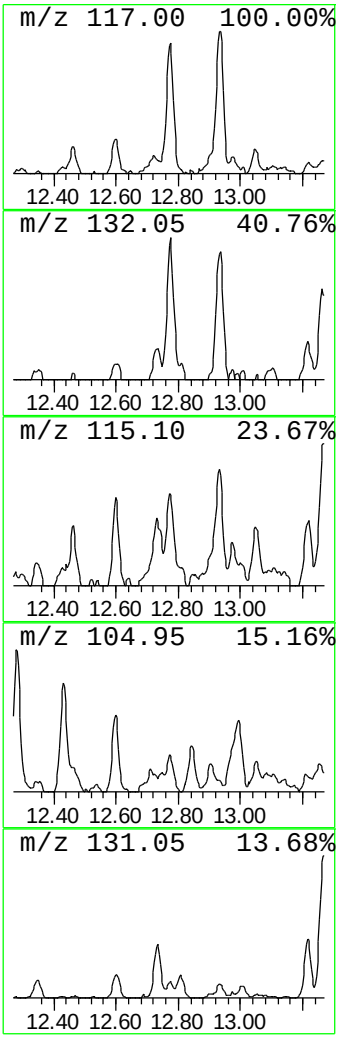
****

Peak Number 61 Indan, 1-methyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.66 ug/L	35091	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

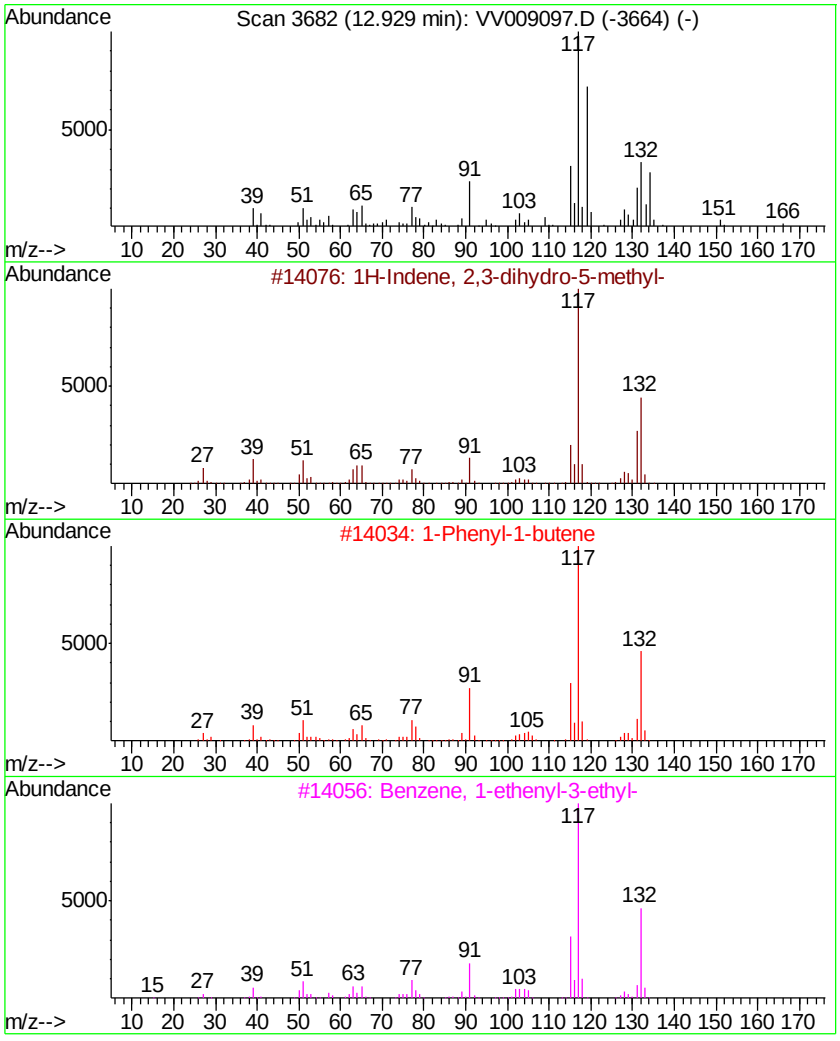
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

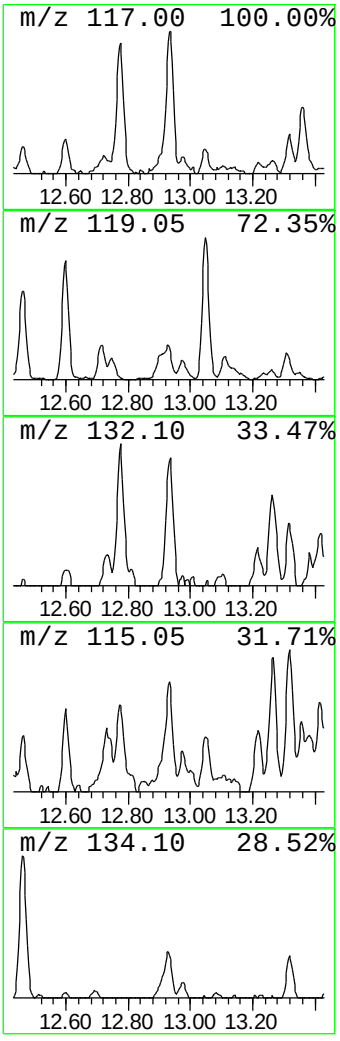
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	4.80 ug/L	101617	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	60
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	53





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Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId : C0JG1

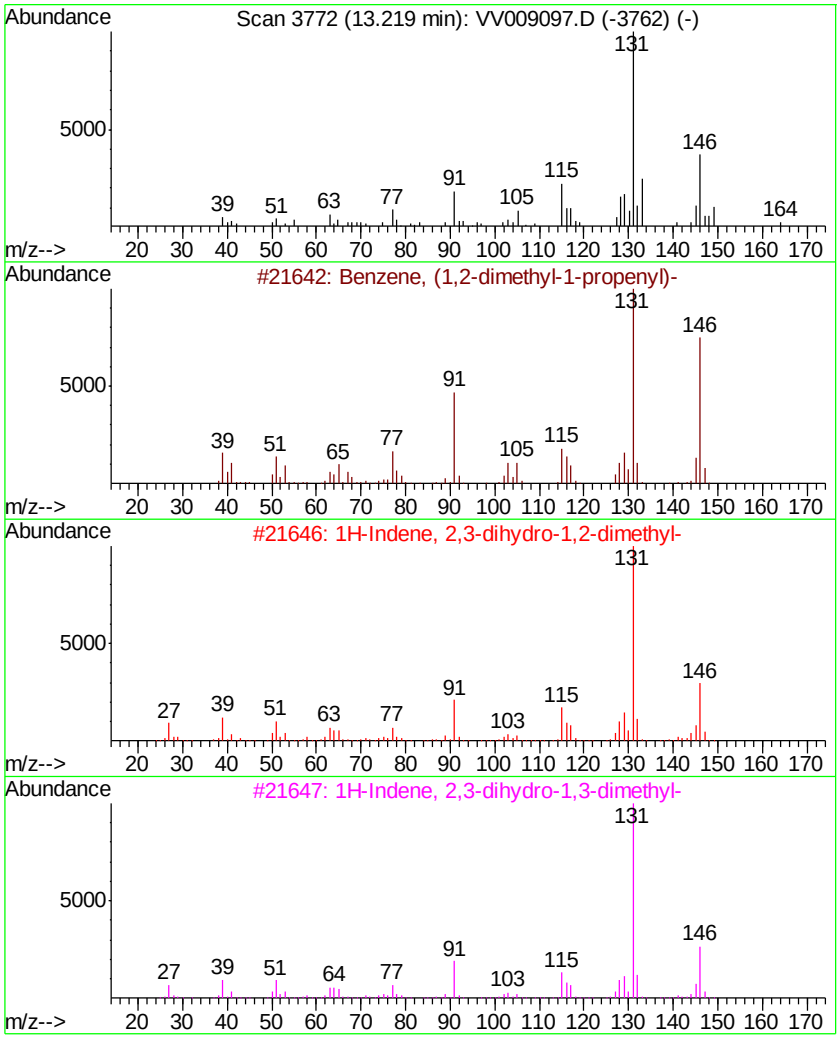
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

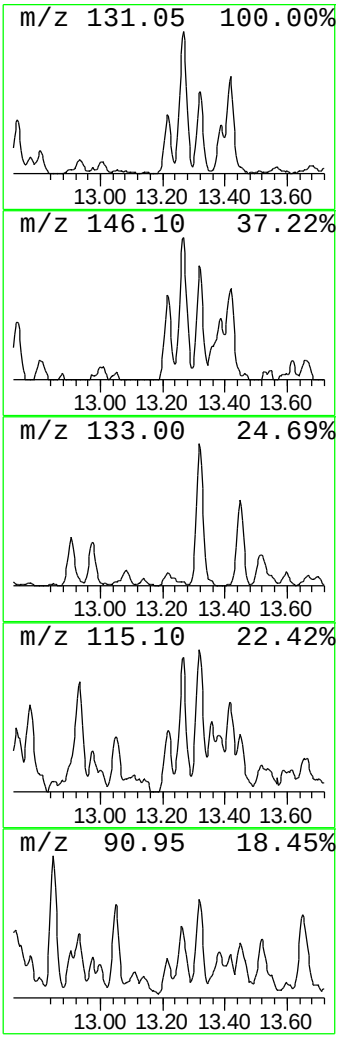
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.24 ug/L	47437	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

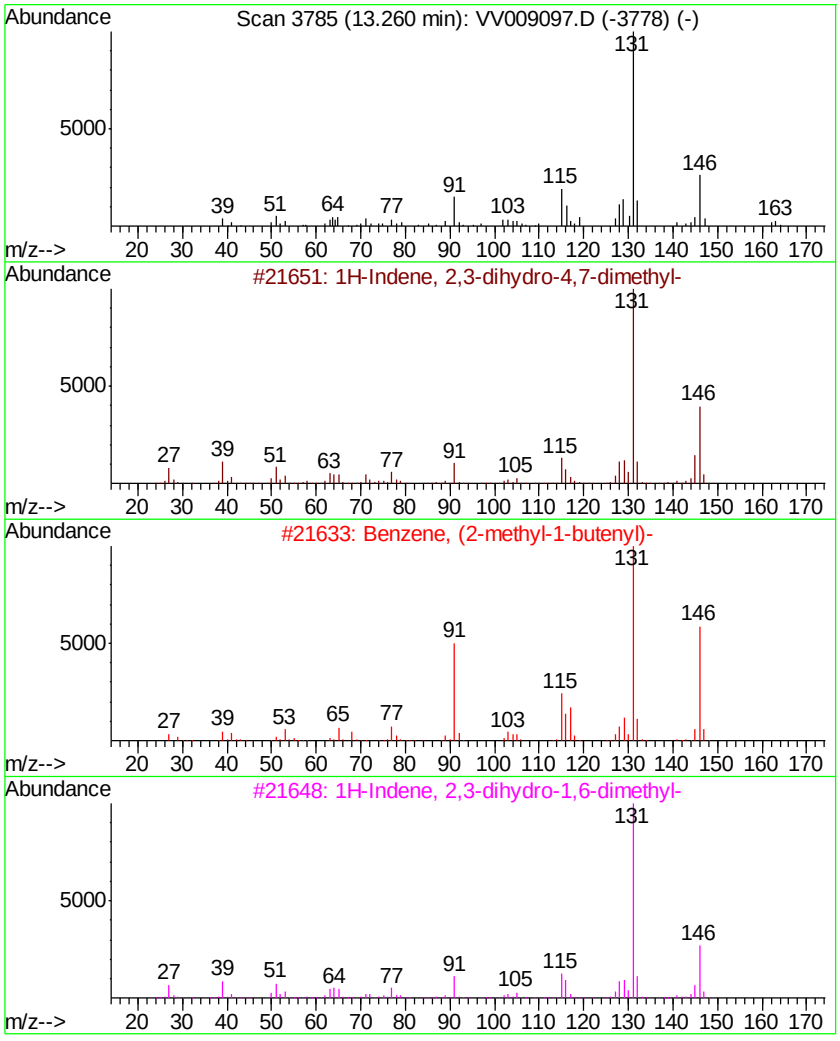
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

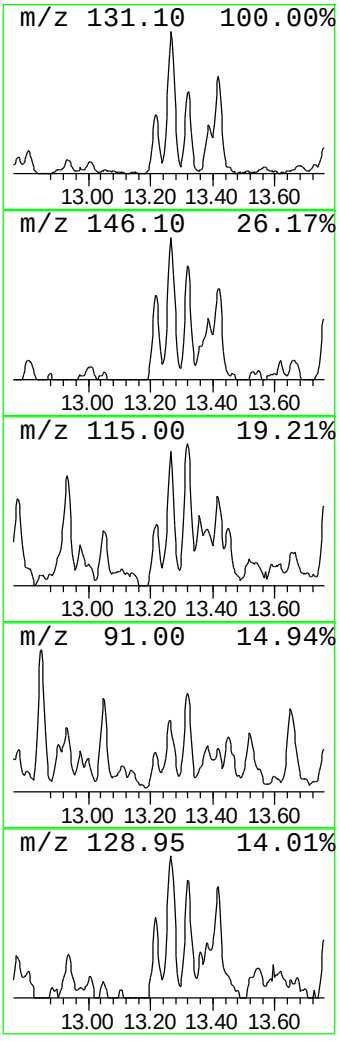
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.22 ug/L	68140	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

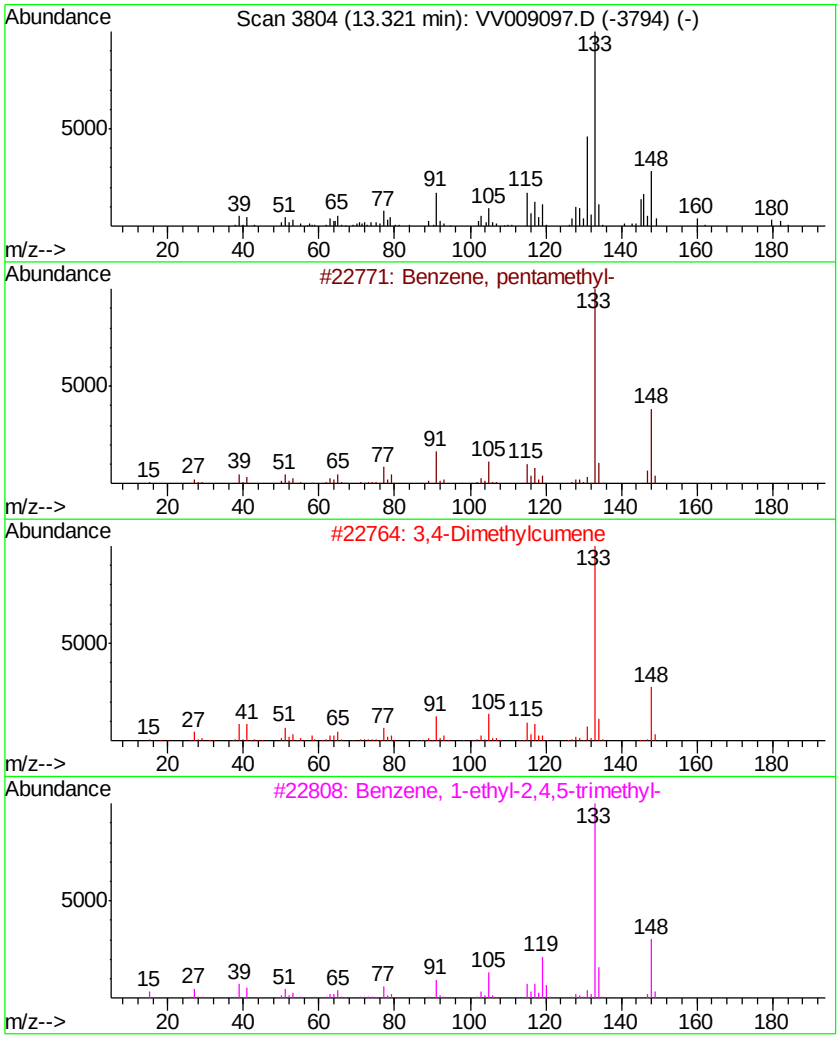
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

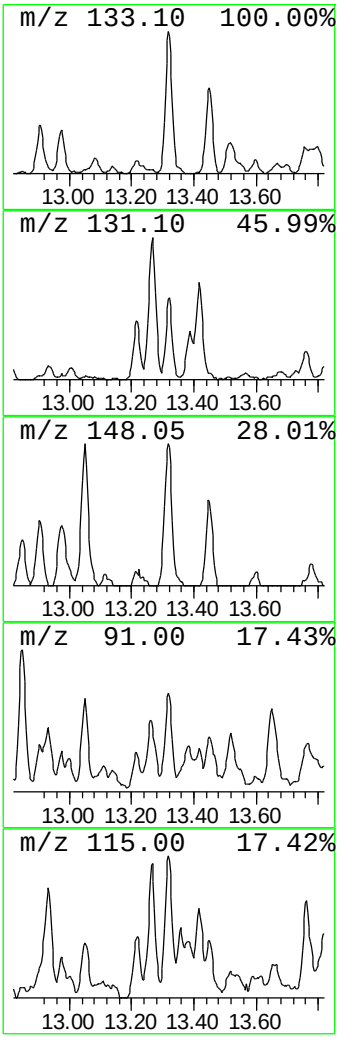
****

Peak Number 67 Benzene, pentamethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	5.43 ug/L	115022	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	53
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	49
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	47





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

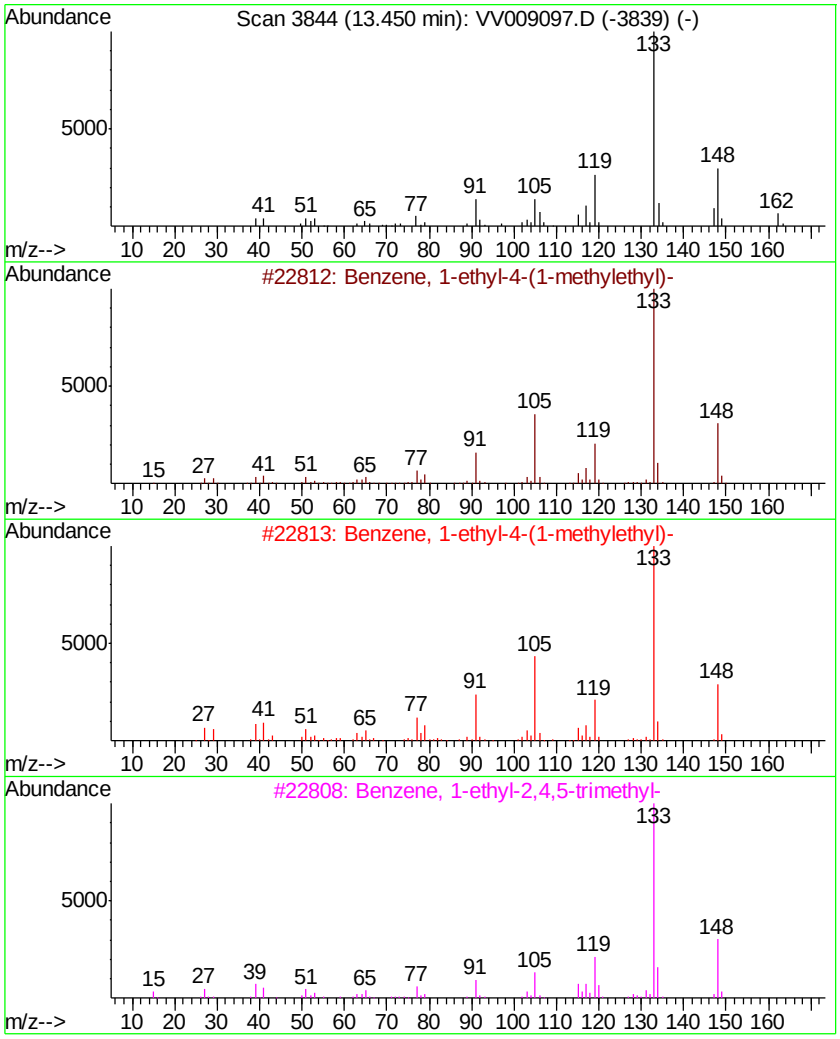
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

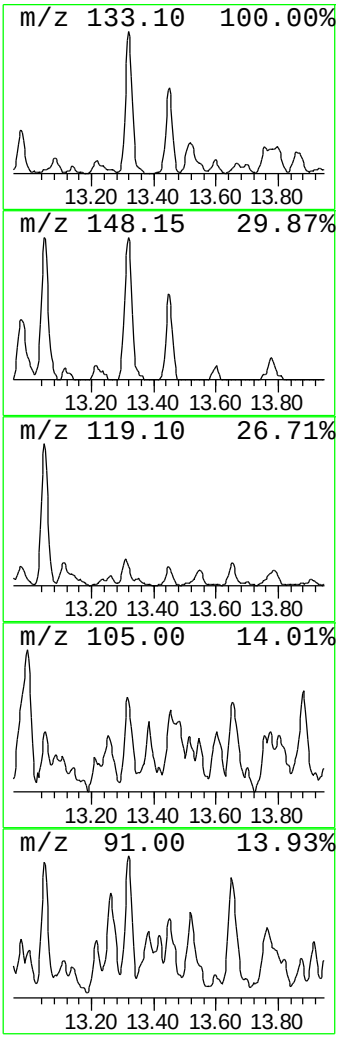
****

Peak Number 68 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.37 ug/L	50228	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	80
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	80
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	76
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

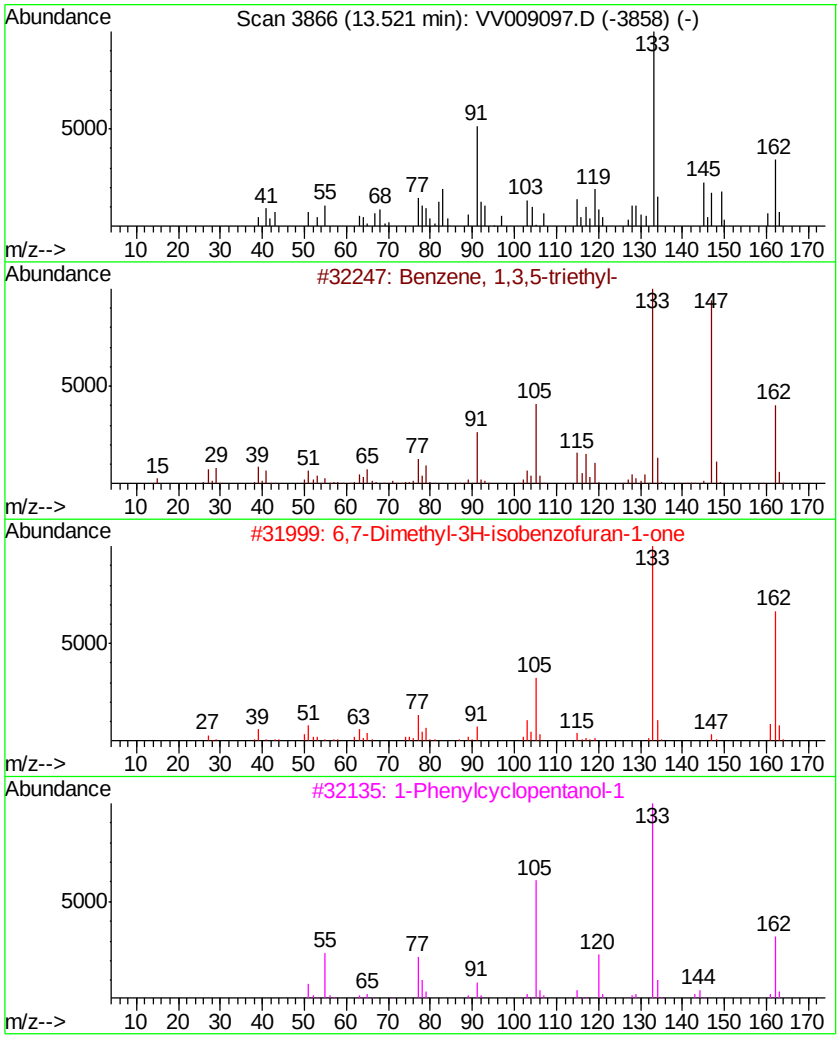
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

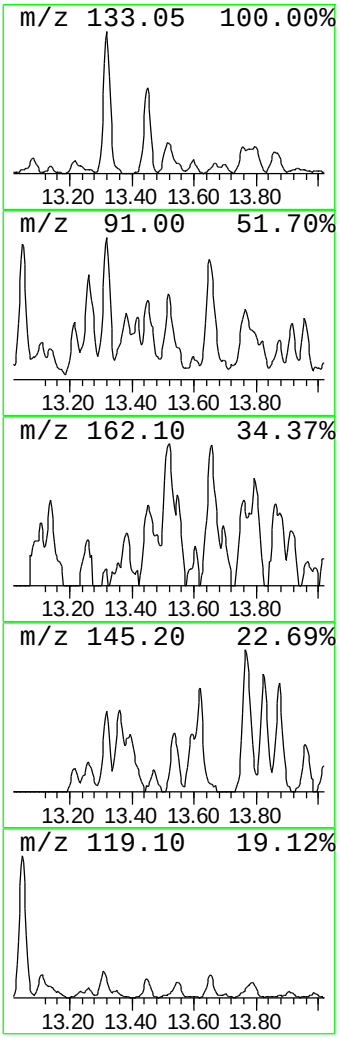
****

Peak Number 69 unknown-04 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	2.28 ug/L	48222	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-triethyl-	162	C12H18	000102-25-0	49
2	6,7-Dimethyl-3H-isobenzofuran-1-one	162	C10H10O2	343852-50-6	46
3	1-Phenylcyclopentanol-1	162	C11H14O	010487-96-4	46
4	Benzaldehyde, propylhydrazone	162	C10H14N2	022162-27-2	43
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

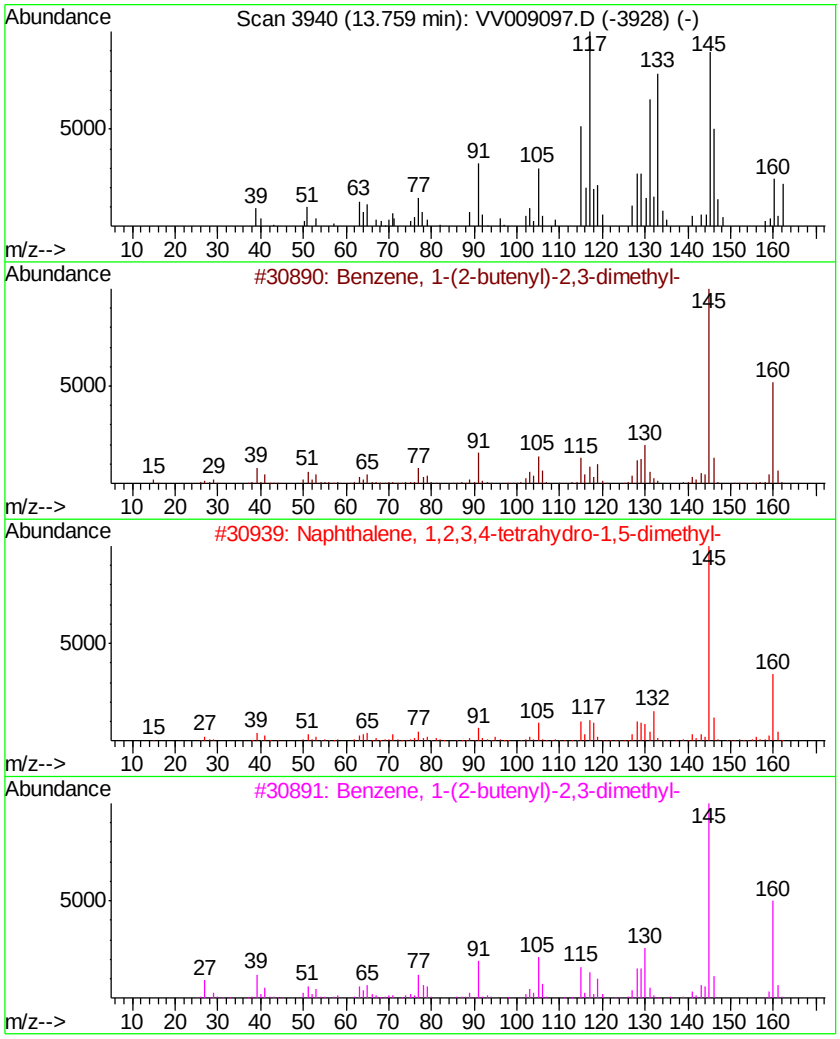
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

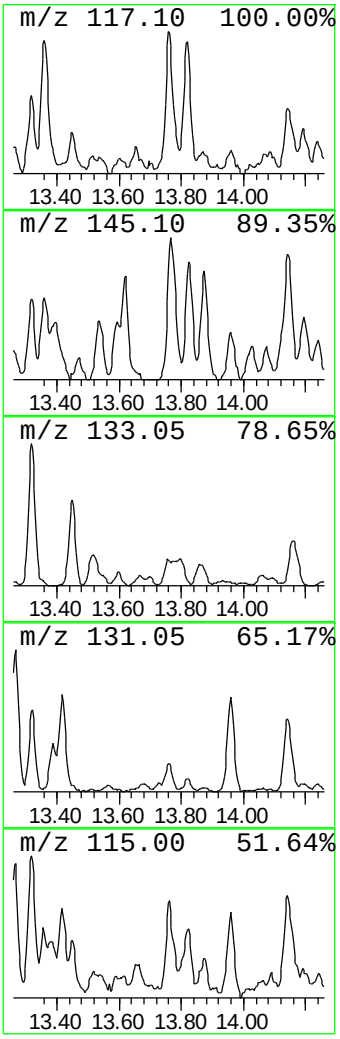
****

Peak Number 70 unknown-05 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.76 ug/L	79569	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	43
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	43
4	1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	38
5	Benzimidazole, 2-ethyl-, 3-oxide	162	C9H10N2O	016007-53-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

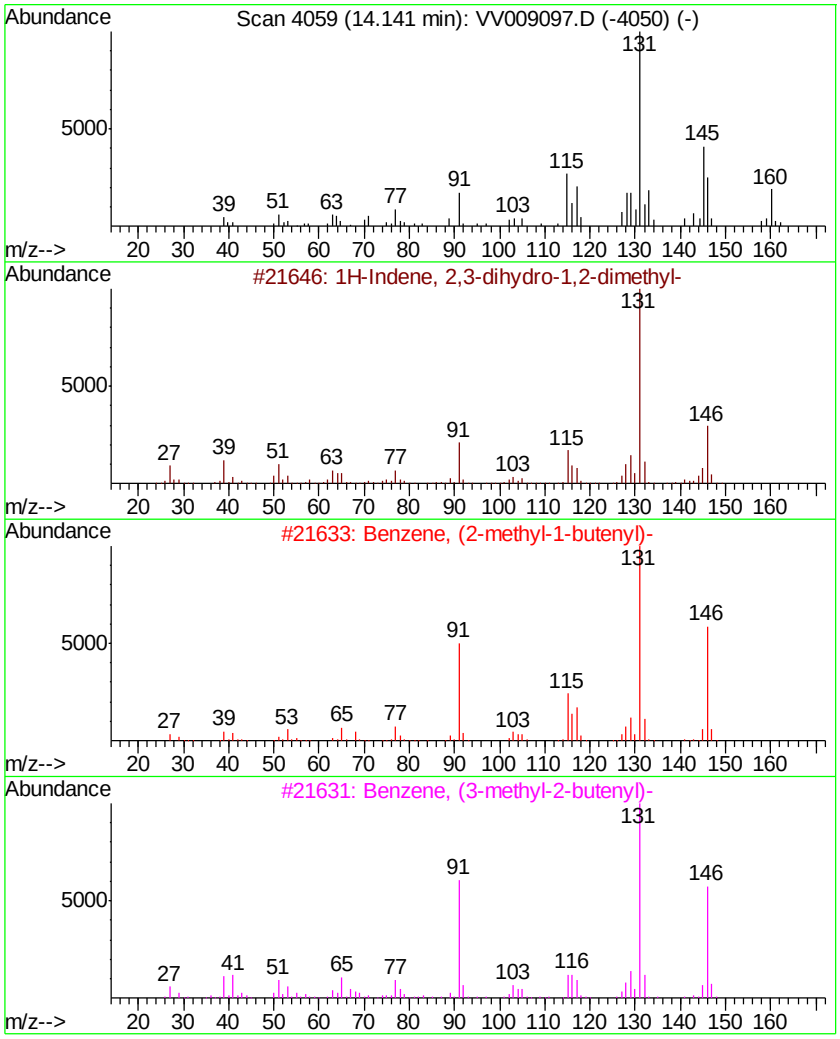
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

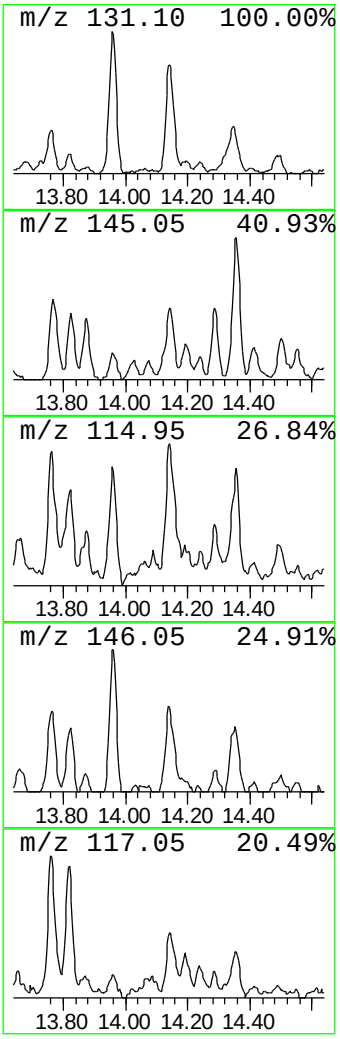
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 72 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	3.93 ug/L	83233	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	53
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

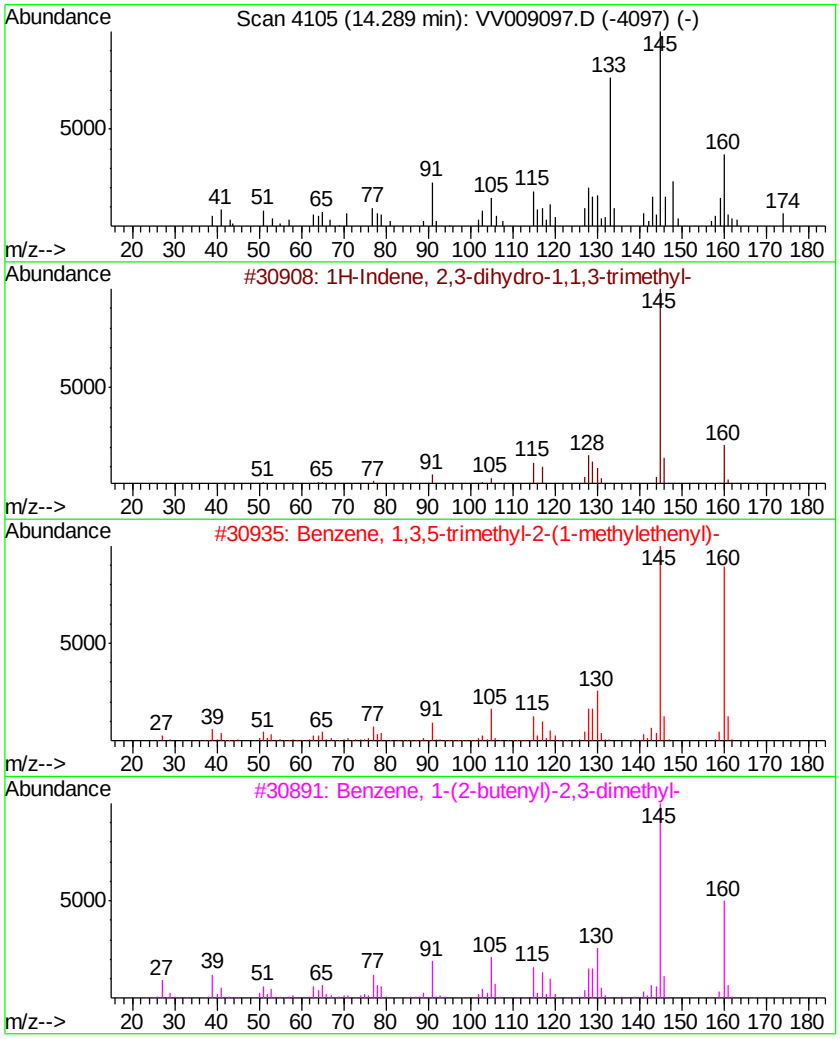
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

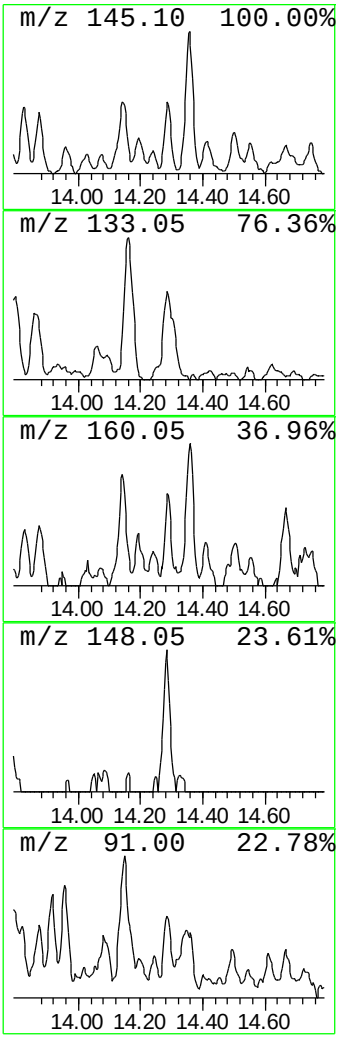
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	1.57 ug/L	33293	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	50
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122018\
Data File : VV009097.D
Acq On : 20 Dec 2018 22:11
Operator : SY/MD
Sample : J6468-03
Misc : 6.61 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.64	7.0	ug/L	165689	1	5.66	593708	25.0
(DEL) Alkane: Str...	1.82	1.8	ug/L	42371	1	5.66	593708	25.0
(DEL) Alkane: Str...	2.79	6.9	ug/L	163911	1	5.66	593708	25.0
(DEL) Alkane: Str...	3.07	1.5	ug/L	36127	1	5.66	593708	25.0
(DEL) Alkane: Str...	3.71	4.6	ug/L	108422	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	3.81	2.3	ug/L	54826	1	5.66	593708	25.0
(DEL) Alkane: Str...	4.81	10.1	ug/L	239073	1	5.66	593708	25.0
(DEL) Alkane: Str...	4.95	8.3	ug/L	197343	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	5.23	4.3	ug/L	102544	1	5.66	593708	25.0
(DEL) Alkane: Str...	5.28	15.2	ug/L	361323	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	5.37	2.8	ug/L	67112	1	5.66	593708	25.0
(DEL) Alkane: Str...	5.53	2.4	ug/L	55885	1	5.66	593708	25.0
(DEL) Alkane: Str...	6.24	4.8	ug/L	113457	1	5.66	593708	25.0
(DEL) Alkane: Str...	6.30	6.5	ug/L	155014	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	6.41	1.3	ug/L	31618	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	6.50	5.1	ug/L	121579	1	5.66	593708	25.0
(DEL) Alkane: Str...	6.69	10.4	ug/L	247615	1	5.66	593708	25.0
(DEL) Alkane: Str...	6.82	9.2	ug/L	217613	1	5.66	593708	25.0
(DEL) Alkane: Str...	6.88	3.6	ug/L	86412	1	5.66	593708	25.0
(DEL) Alkane: Str...	6.96	3.3	ug/L	77829	1	5.66	593708	25.0
(DEL) Alkane: Str...	7.12	4.8	ug/L	113785	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	7.22	2.0	ug/L	46955	1	5.66	593708	25.0
(DEL) Alkane: Cyc...	7.31	9.4	ug/L	243648	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	7.48	2.4	ug/L	61307	2	8.90	648877	25.0
(DEL) Alkane: Str...	7.61	1.7	ug/L	43021	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	7.83	4.2	ug/L	109014	2	8.90	648877	25.0
5,5-Dimethyl-1,3-...	7.88	1.9	ug/L	50251	2	8.90	648877	25.0
(DEL) Alkane: Str...	8.02	2.2	ug/L	57091	2	8.90	648877	25.0
(DEL) Alkane: Str...	8.25	5.2	ug/L	135366	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	8.33	2.0	ug/L	50844	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	8.40	3.2	ug/L	82275	2	8.90	648877	25.0
unknown-01	8.55	2.0	ug/L	52673	2	8.90	648877	25.0
(DEL) Alkane: Str...	8.61	1.9	ug/L	49439	2	8.90	648877	25.0
(DEL) Alkane: Str...	8.71	6.5	ug/L	168058	2	8.90	648877	25.0
(DEL) Alkane: Str...	8.83	7.3	ug/L	188213	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	9.04	2.0	ug/L	50893	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	9.15	3.8	ug/L	99707	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	9.24	4.5	ug/L	117125	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	9.51	4.6	ug/L	119119	2	8.90	648877	25.0
(DEL) Alkane: Str...	9.62	3.1	ug/L	80055	2	8.90	648877	25.0
(DEL) Alkane: Str...	9.75	3.4	ug/L	89006	2	8.90	648877	25.0
(DEL) Alkane: Cyc...	9.85	3.5	ug/L	91944	2	8.90	648877	25.0
(DEL) Alkane: Str...	10.06	1.4	ug/L	37023	2	8.90	648877	25.0
unknown-02	10.17	3.3	ug/L	70711	3	11.30	529640	25.0
(DEL) Alkane: Cyc...	10.56	1.9	ug/L	40056	3	11.30	529640	25.0
(DEL) Alkane: Cyc...	10.62	1.3	ug/L	27705	3	11.30	529640	25.0
(DEL) Alkane: Cyc...	10.78	1.3	ug/L	27698	3	11.30	529640	25.0
Benzene, (2-methy...	11.10	3.0	ug/L	63948	3	11.30	529640	25.0
(DEL) Alkane: Cyc...	11.20	1.6	ug/L	33866	3	11.30	529640	25.0

Benzene, 1,3-diet...	11.59	3.4	ug/L	71419	3	11.30	529640	25.0
unknown-03	11.86	1.4	ug/L	29034	3	11.30	529640	25.0
p-Cymene	12.06	7.3	ug/L	154885	3	11.30	529640	25.0
1-Phenyl-1-butene	12.17	3.1	ug/L	64825	3	11.30	529640	25.0
[1,2,4]Thiadiazol...	12.29	2.8	ug/L	59010	3	11.30	529640	25.0
2-Methyl-7-endo-v...	12.43	3.0	ug/L	62713	3	11.30	529640	25.0
Benzene, 1-ethyl-...	12.46	3.4	ug/L	71930	3	11.30	529640	25.0
cis-Decalin, 2-sy...	12.52	1.3	ug/L	27151	3	11.30	529640	25.0
Benzene, 1-methyl...	12.60	4.5	ug/L	95207	3	11.30	529640	25.0
Benzene, (2-methy...	12.72	3.9	ug/L	82043	3	11.30	529640	25.0
Indan, 1-methyl-	12.77	1.7	ug/L	35091	3	11.30	529640	25.0
1H-Indene, 2,3-di...	12.93	4.8	ug/L	101617	3	11.30	529640	25.0
Benzene, (1,2-dim...	13.22	2.2	ug/L	47437	3	11.30	529640	25.0
1H-Indene, 2,3-di...	13.26	3.2	ug/L	68140	3	11.30	529640	25.0
Benzene, pentamet...	13.32	5.4	ug/L	115022	3	11.30	529640	25.0
Benzene, 1-ethyl-...	13.45	2.4	ug/L	50228	3	11.30	529640	25.0
unknown-04	13.52	2.3	ug/L	48222	3	11.30	529640	25.0
unknown-05	13.76	3.8	ug/L	79569	3	11.30	529640	25.0
1H-Indene, 2,3-di...	14.14	3.9	ug/L	83233	3	11.30	529640	25.0
1H-Indene, 2,3-di...	14.29	1.6	ug/L	33293	3	11.30	529640	25.0

Instrument :
MSVOA_V
ClientSampleId :
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