LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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\SOM2VLM040219S.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	1.299	56	65	78	rBV2	146892	234360	1.54%	0.294%
2	1.528	114	136	143	rBV	619264	696613	4.59%	0.875%
3	1.566	143	148	158	rVV	160362	186756	1.23%	0.235%
4	1.630	159	168	180	rVB	221558	279858	1.84%	0.352%
5	1.807	215	223	235	rVB	185389	243453	1.60%	0.306%
6	2.116	306	319	335	rVV2	253570	473982	3.12%	0.596%
7	2.544	430	452	462	rBV2	316644	768228	5.06%	0.965%
8	2.592	462	467	480	rVB5	64479	122605	0.81%	0.154%
9	2.782	511	526	546	rVB2	223797	498973	3.29%	0.627%
10	3.064	597	614	638	rVB	245272	483847	3.19%	0.608%
11	3.302	679	688	705	rVB2	46114	94969	0.63%	0.119%
12	3.704	798	813	826	rBV3	30494	75867	0.50%	0.095%
13	3.801	826	843	860	rVV2	219368	562830	3.71%	0.707%
14	3.933	875	884	923	rVB2	27898	113876	0.75%	0.143%
15	4.396	1011	1028	1054	rBV2	156943	459869	3.03%	0.578%
16	4.714	1110	1127	1142	rBV3	303976	775064	5.10%	0.974%
17	4.804	1143	1155	1181	rVB4	90022	270929	1.78%	0.340%
18	4.949	1181	1200	1226	rBV2	224984	567726	3.74%	0.713%
19	5.090	1226	1244	1256	rBV2	338595	859507	5.66%	1.080%
20	5.219	1272	1284	1292	rBV3	84287	179279	1.18%	0.225%
21	5.280	1292	1303	1316	rVB4	120182	303397	2.00%	0.381%
22	5.531	1365	1381	1392	rBV	204991	411868	2.71%	0.518%
23	5.659	1409	1421	1432	rBV	315239	685562	4.51%	0.861%
24	5.981	1501	1521	1534	rBV6	42611	114314	0.75%	0.144%
25	6.116	1546	1563	1570	rBV2	197613	414411	2.73%	0.521%
26	6.170	1572	1580	1593	rVV5	313657	666882	4.39%	0.838%
27	6.296	1610	1619	1629	rVB2	48748	84086	0.55%	0.106%
28	6.434	1643	1662	1673	rBV5	137962	370118	2.44%	0.465%
29	6.498	1675	1682	1698	rVB5	34920	75064	0.49%	0.094%
30	6.611	1698	1717	1728	rBV10	19755	68691	0.45%	0.086%
31	6.695	1728	1743	1761	rVB3	105897	251053	1.65%	0.315%
32	6.820	1761	1782	1796	rBV4	131774	416682	2.74%	0.524%
33	6.958	1816	1825	1832	rBV2	95321	158684	1.04%	0.199%
34	7.000	1832	1838	1841	rVV3	49980	74934	0.49%	0.094%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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\SOM2VLM040219S.M
Title : VOC Analysis

35	7.026	1842	1846	1856	rVB2	70715	104277	0.69%	0.131%
36	7.122	1866	1876	1894	rVB	115068	218631	1.44%	0.275%
37	7.212	1894	1904	1916	rVB6	43311	95608	0.63%	0.120%
38	7.306	1916	1933	1939	rBV6	85370	183650	1.21%	0.231%
39	7.357	1939	1949	1962	rVB	390459	687871	4.53%	0.864%
40	7.431	1962	1972	1981	rBV	122131	210634	1.39%	0.265%
41	7.608	2017	2027	2039	rBV3	102636	203428	1.34%	0.256%
42	7.833	2088	2097	2105	rBV4	39722	67427	0.44%	0.085%
43	8.132	2178	2190	2210	rBV4	121778	254283	1.67%	0.320%
44	8.270	2220	2233	2243	rVB4	40134	111107	0.73%	0.140%
45	8.707	2361	2369	2379	rVB3	72046	115353	0.76%	0.145%
46	8.830	2398	2407	2416	rVB	59760	97091	0.64%	0.122%
47	8.894	2416	2427	2447	rBV	428198	728940	4.80%	0.916%
48	9.055	2465	2477	2492	rBV	2555159	3964850	26.11%	4.982%
49	9.180	2505	2516	2529	rVV	1273338	2045251	13.47%	2.570%
50	9.244	2529	2536	2561	rVB3	78739	178048	1.17%	0.224%
51	9.588	2630	2643	2665	rBV	1042781	1685608	11.10%	2.118%
52	9.974	2748	2763	2780	rBV	483507	785187	5.17%	0.987%
53	10.161	2816	2821	2835	rVV4	32536	60826	0.40%	0.076%
54	10.260	2836	2852	2869	rVB	184113	329593	2.17%	0.414%
55	10.399	2883	2895	2913	rBV	1245466	1909631	12.57%	2.400%
56	10.492	2913	2924	2929	rBV	2045996	3266223	21.51%	4.104%
57	10.585	2942	2953	2986	rVB	1819022	2860078	18.83%	3.594%
58	10.781	3003	3014	3036	rVB	1749369	2692822	17.73%	3.384%
59	10.961	3049	3070	3094	rVB	10211957	15186152	100.00%	19.083%
60	11.100	3099	3113	3118	rBV	110070	183447	1.21%	0.231%
61	11.135	3118	3124	3134	rVB	131034	201498	1.33%	0.253%
62	11.238	3149	3156	3164	rVV	168840	242755	1.60%	0.305%
63	11.292	3164	3173	3190	rVV3	517203	831001	5.47%	1.044%
64	11.383	3190	3201	3216	rVV	2452251	3666650	24.14%	4.608%
65	11.575	3249	3261	3270	rBV3	1051934	2157950	14.21%	2.712%
66	11.620	3270	3275	3283	rVV	857081	1216346	8.01%	1.528%
67	11.685	3283	3295	3311	rVB3	1501820	3201336	21.08%	4.023%
68	11.791	3319	3328	3335	rBV2	96640	150958	0.99%	0.190%
69	11.865	3335	3351	3368	rVB	449692	803564	5.29%	1.010%
70	11.958	3369	3380	3385	rBV	900709	1427587	9.40%	1.794%
71	11.987	3385	3389	3399	rVB	842080	1105723	7.28%	1.389%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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\SOM2VLM040219S.M
Title : VOC Analysis

72	12.061	3401	3412	3433	rVB	1526795	2471335	16.27%	3.105%
73	12.164	3434	3444	3475	rVB3	396081	960800	6.33%	1.207%
74	12.305	3475	3488	3495	rBV6	40389	81341	0.54%	0.102%
75	12.363	3495	3506	3516	rVB	339401	519474	3.42%	0.653%
76	12.460	3517	3536	3544	rBV	958933	1483259	9.77%	1.864%
77	12.511	3544	3552	3569	rVB	1416967	2111576	13.90%	2.653%
78	12.598	3570	3579	3584	rBV2	115558	166562	1.10%	0.209%
79	12.633	3584	3590	3594	rBV	84290	96758	0.64%	0.122%
80	12.662	3595	3599	3609	rVB	90717	108531	0.71%	0.136%
81	12.772	3625	3633	3647	rVB	510936	761146	5.01%	0.956%
82	12.842	3647	3655	3663	rBV2	84861	120293	0.79%	0.151%
83	12.929	3663	3682	3700	rBV2	1163841	2169166	14.28%	2.726%
84	13.048	3712	3719	3726	rBV	105137	150244	0.99%	0.189%
85	13.093	3726	3733	3755	rVB2	111007	238786	1.57%	0.300%
86	13.212	3762	3770	3778	rBV3	103515	159111	1.05%	0.200%
87	13.263	3778	3786	3794	rVB	109916	161674	1.06%	0.203%
88	13.318	3794	3803	3809	rBV2	240709	376443	2.48%	0.473%
89	13.418	3828	3834	3839	rBV2	61167	72880	0.48%	0.092%
90	13.447	3839	3843	3857	rVB	80989	112896	0.74%	0.142%
91	13.550	3859	3875	3884	rBV	375979	602004	3.96%	0.756%
92	13.665	3901	3911	3915	rBV7	40863	73670	0.49%	0.093%
93	13.759	3930	3940	3951	rBV7	73550	168196	1.11%	0.211%
94	13.952	3991	4000	4015	rVB3	155330	285064	1.88%	0.358%
95	14.144	4049	4060	4072	rBV6	95734	215898	1.42%	0.271%
96	14.283	4095	4103	4113	rBV2	52726	86854	0.57%	0.109%
97	14.344	4115	4122	4134	rVB3	54768	96100	0.63%	0.121%
98	14.685	4217	4228	4241	rBV3	144650	271639	1.79%	0.341%
99	14.868	4277	4285	4289	rBV	76678	115455	0.76%	0.145%
100	15.466	4464	4471	4480	rBV2	45882	66947	0.44%	0.084%

Sum of corrected areas: 79579823

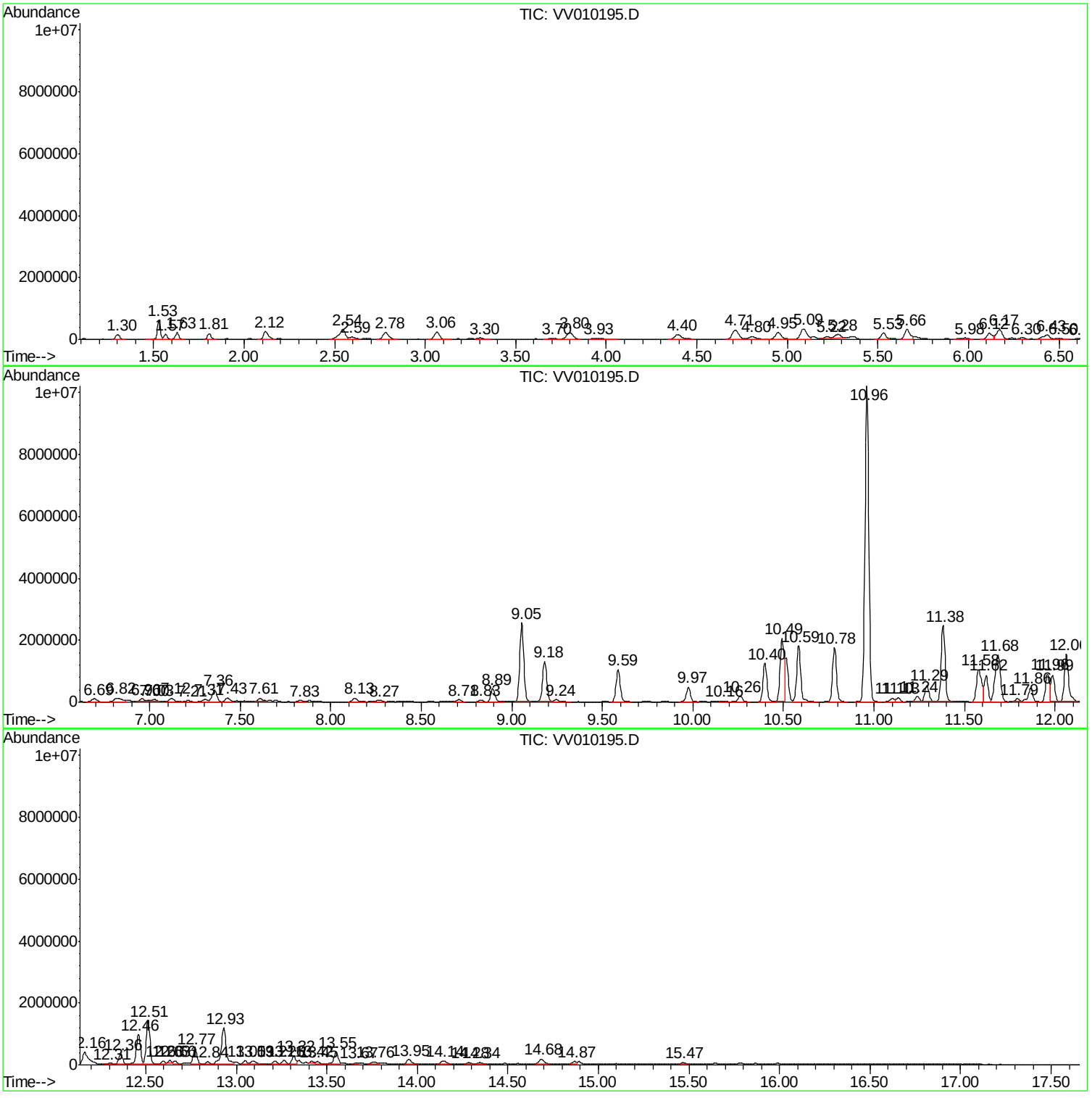
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

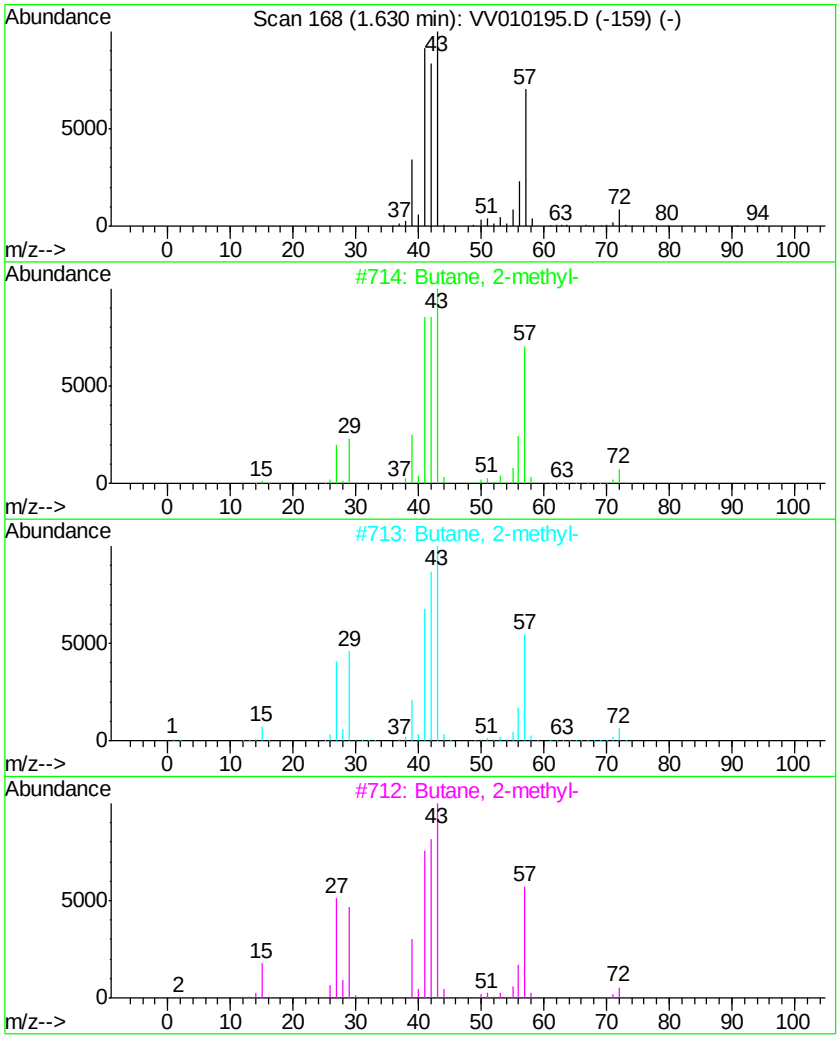
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

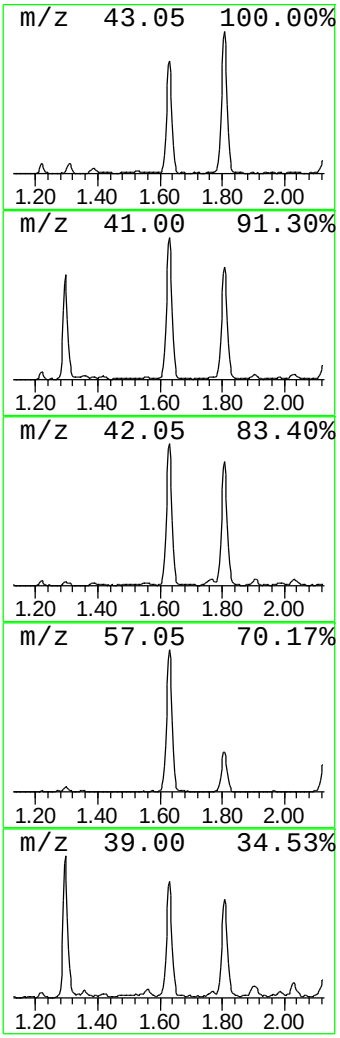
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.63	10.21 ug/L	279858	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	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

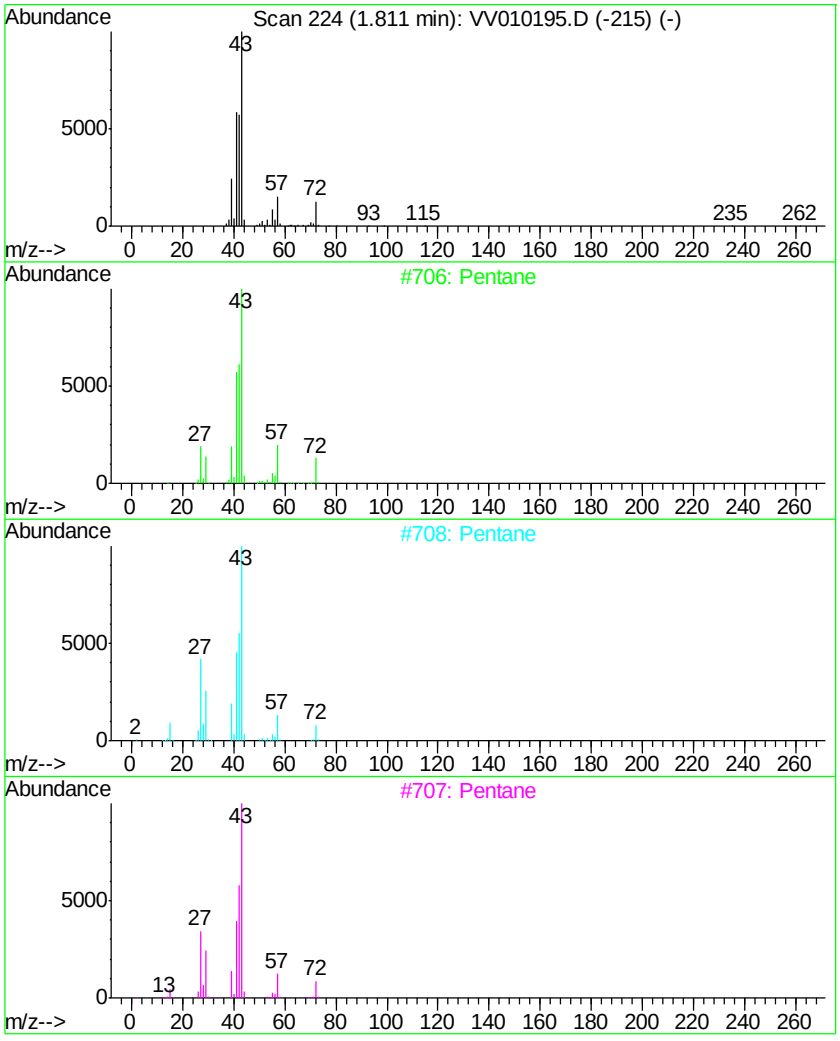
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

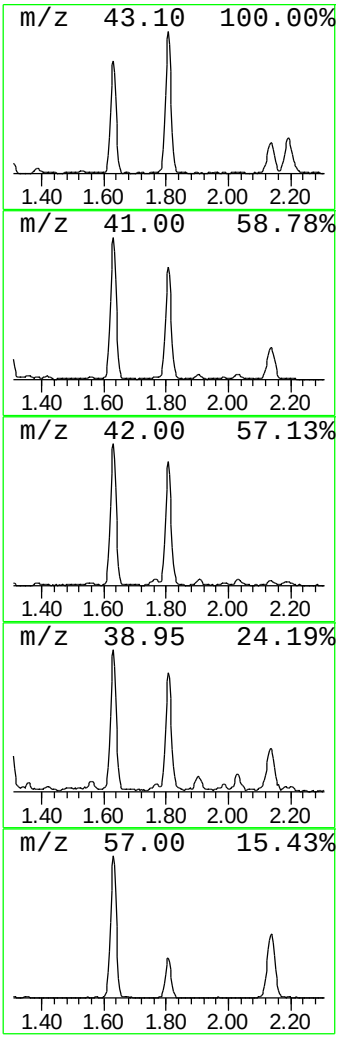
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	8.88 ug/L	243453	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	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	Butane, 2-methyl-	72	C5H12	000078-78-4	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

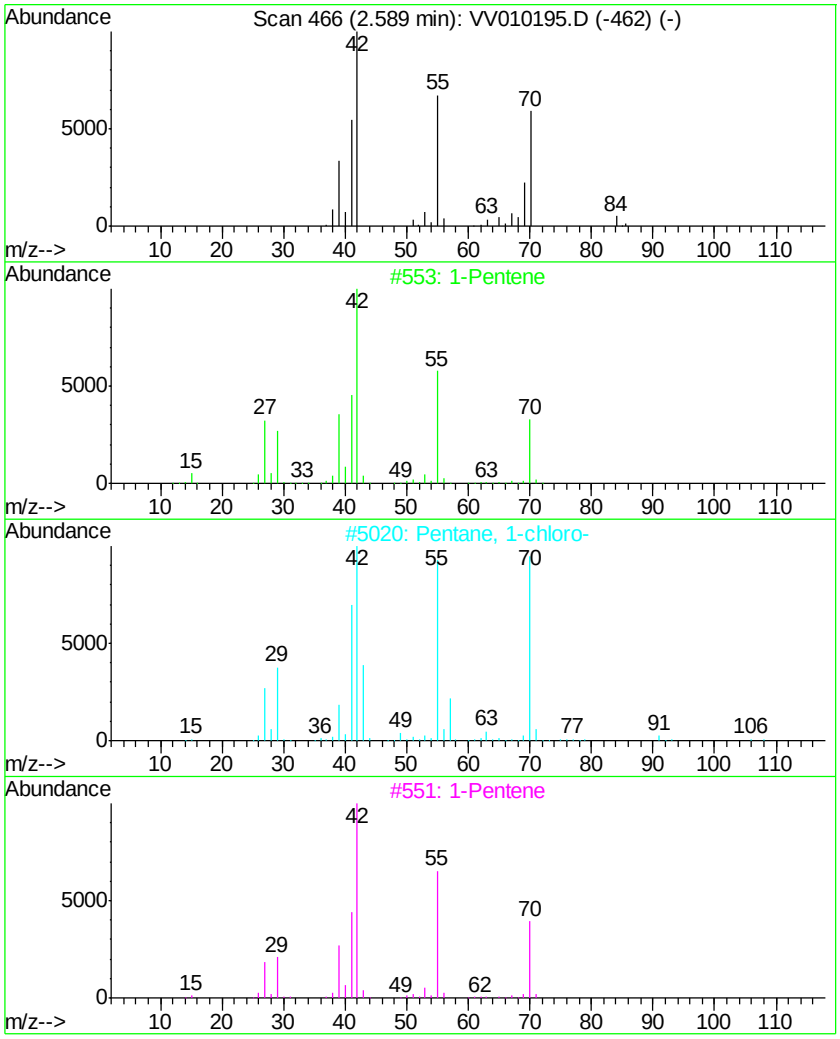
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

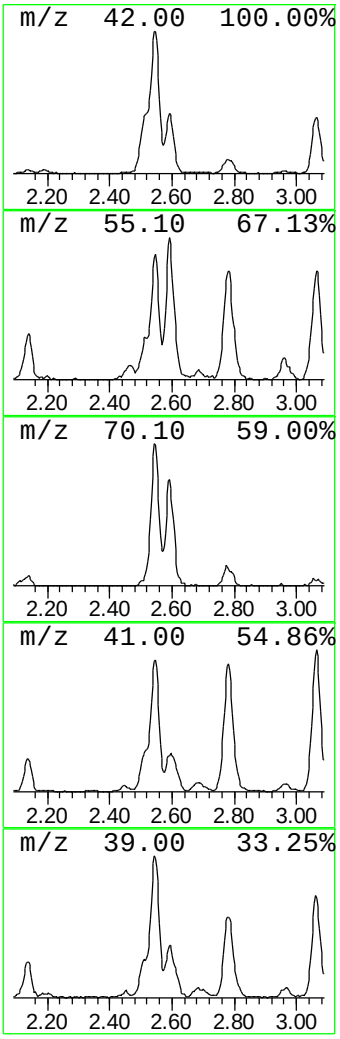
****

Peak Number 3 (DEL) Alkane: Cyclic2.59 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	4.47 ug/L	122605	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Pentane, 1-chloro-	106	C5H11Cl	000543-59-9	72
3	1-Pentene	70	C5H10	000109-67-1	72
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

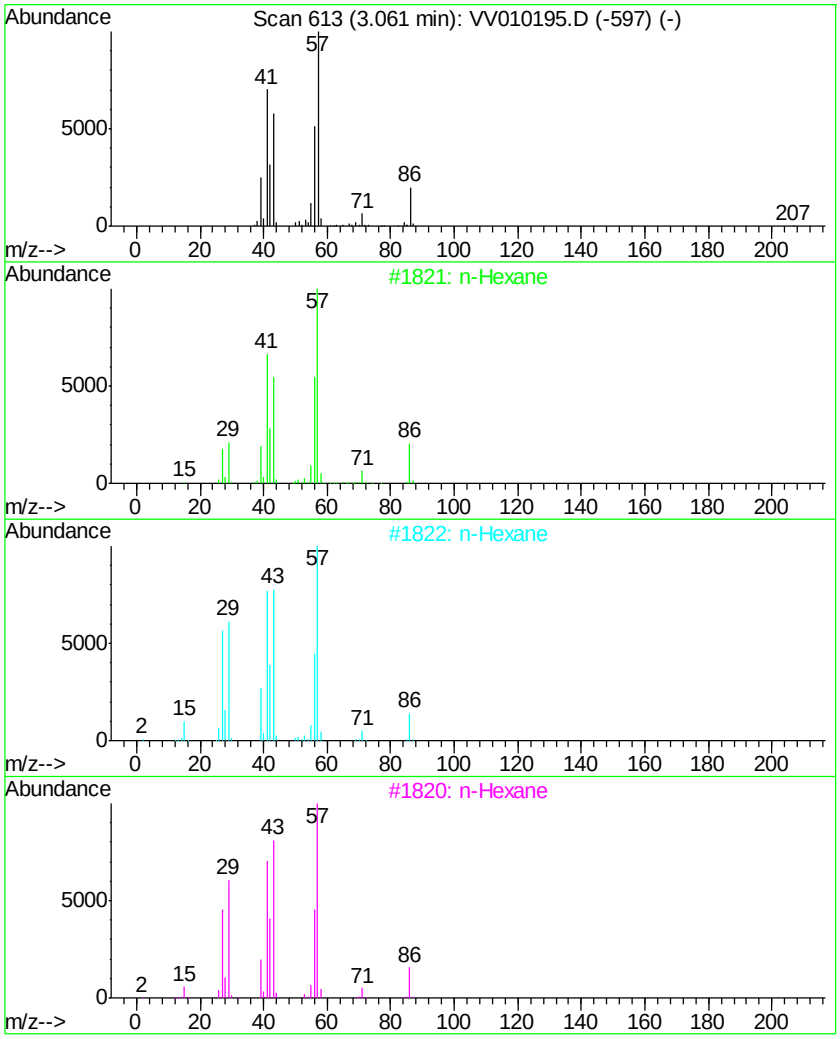
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

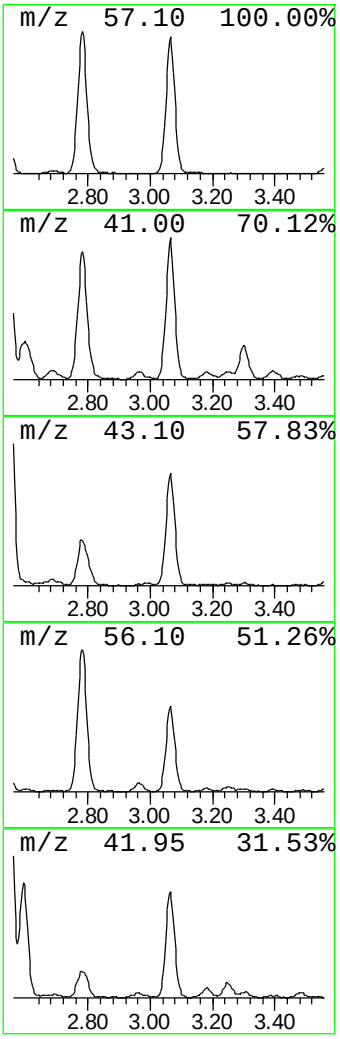
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	17.64 ug/L	483847	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	53
3	n-Hexane	86	C6H14	000110-54-3	53
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47
5	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

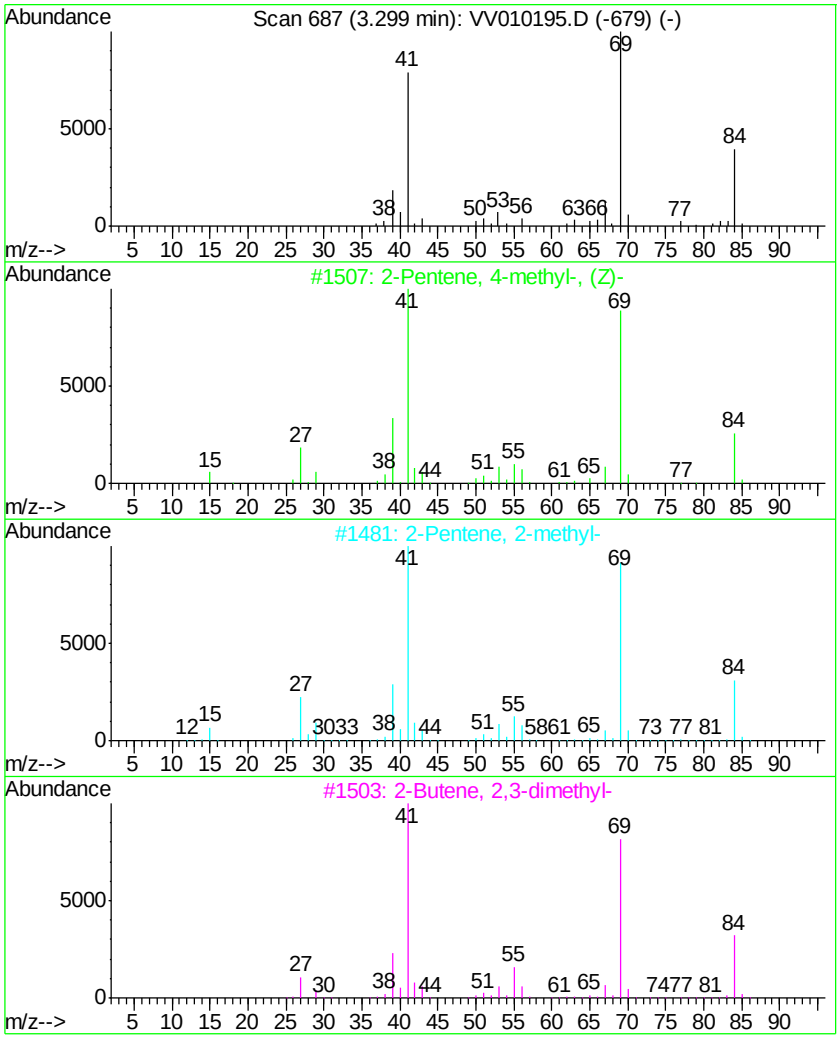
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

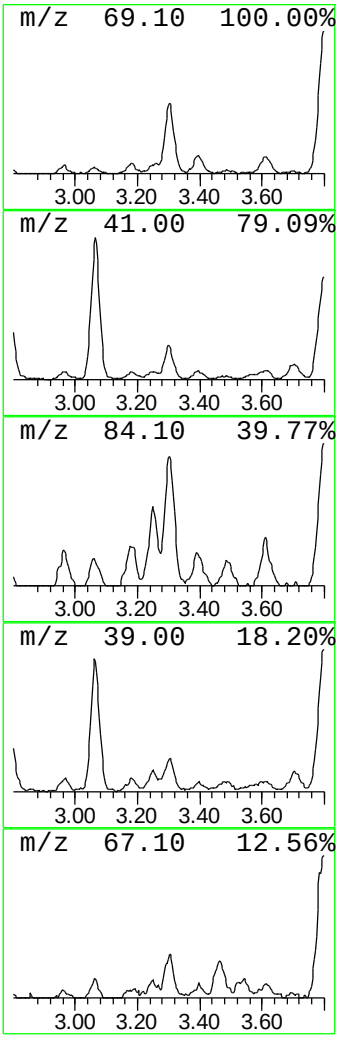
****

Peak Number 5 (DEL) Alkane: Cyclic3.30 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	3.46 ug/L	94969	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	78
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	78
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	78
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	78
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

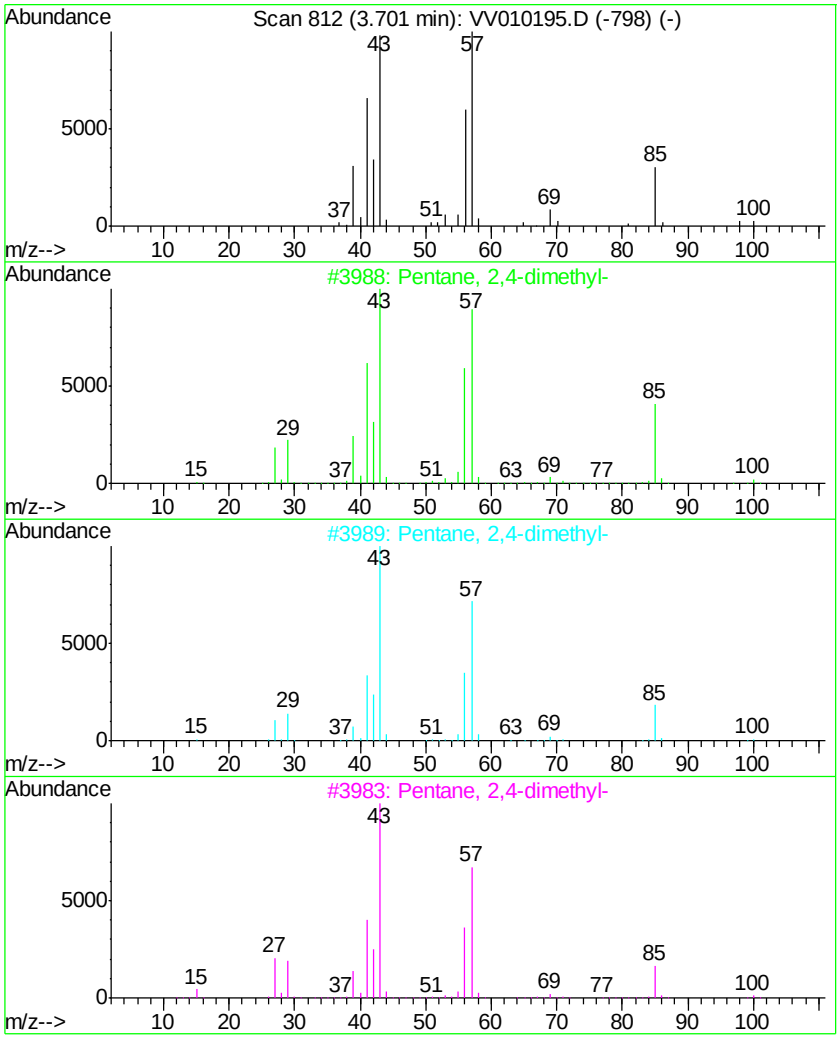
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

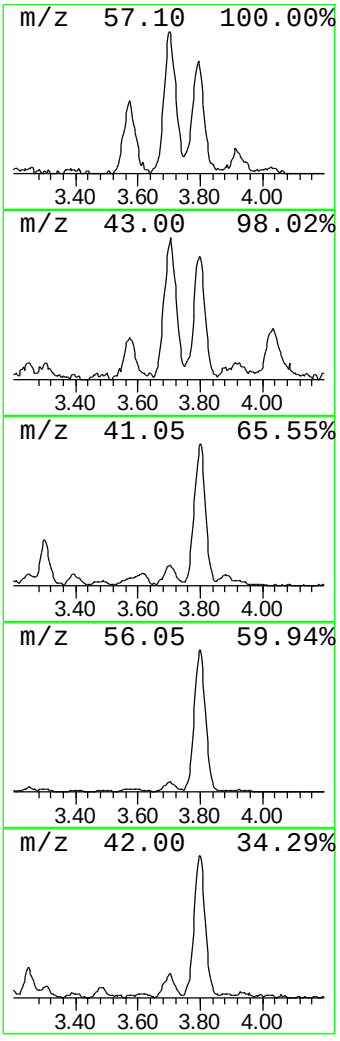
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	2.77 ug/L	75867	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	83
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

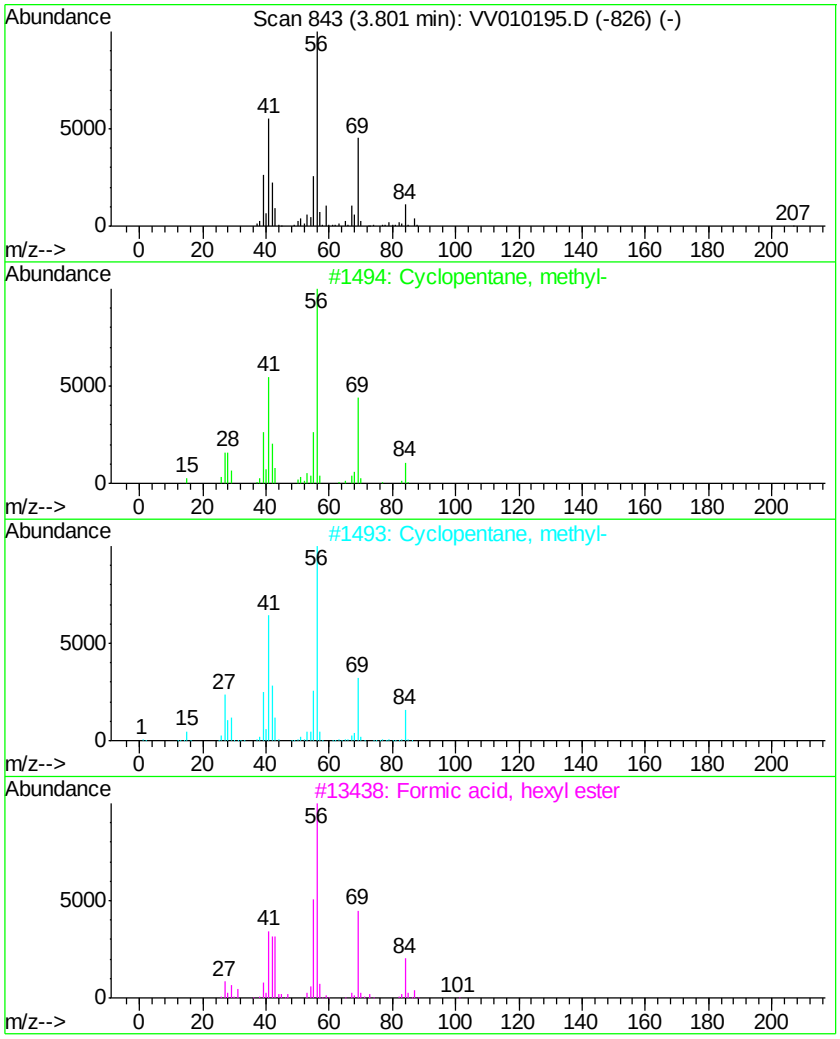
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

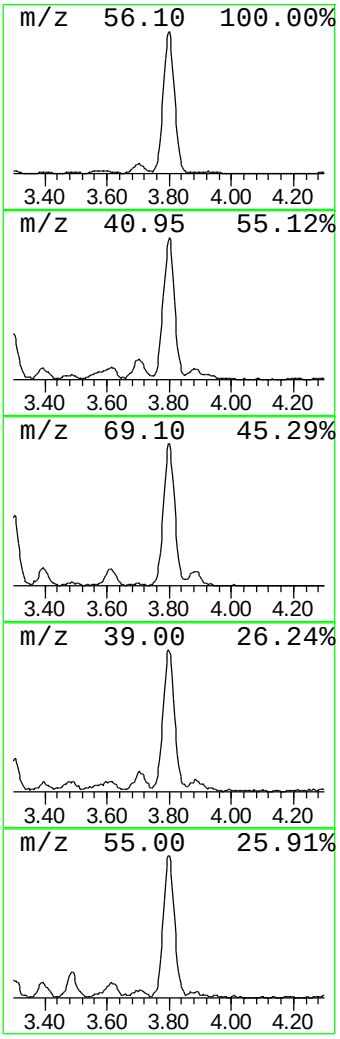
****

Peak Number 7 (DEL) Alkane: Cyclic3.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	20.52 ug/L	562830	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
3	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	64
4	Tetramethylene diisocyanate	140	C6H8N2O2	004538-37-8	64
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

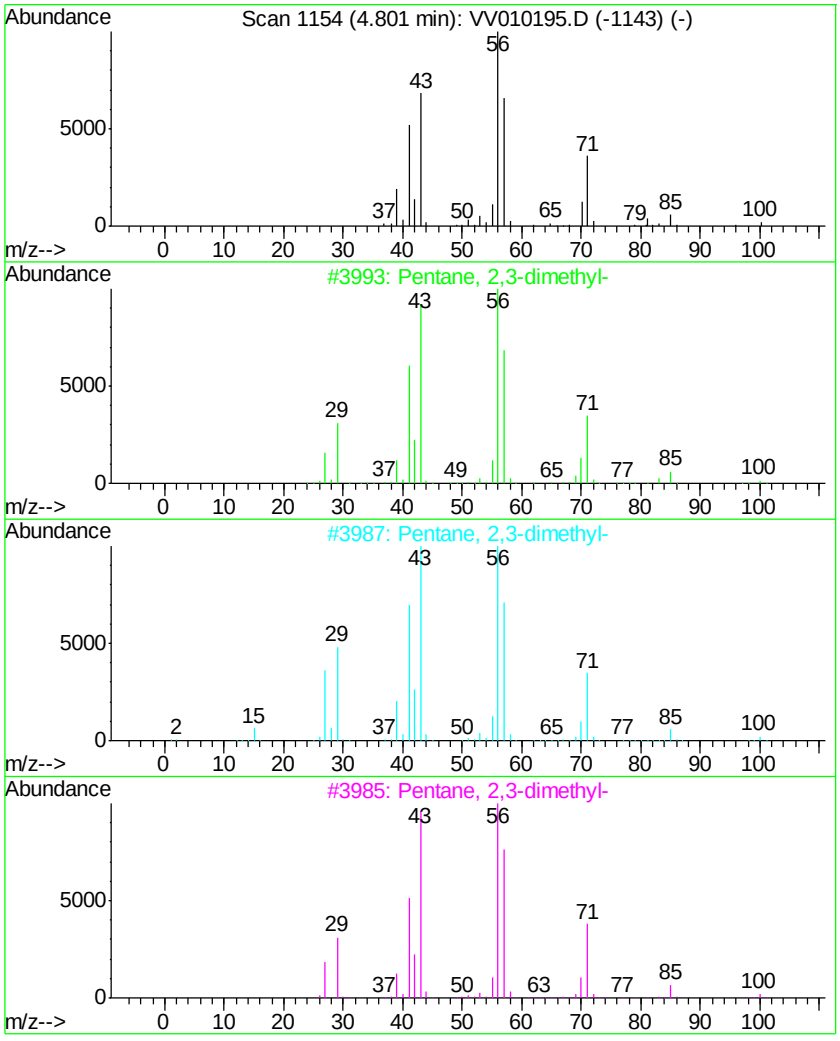
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

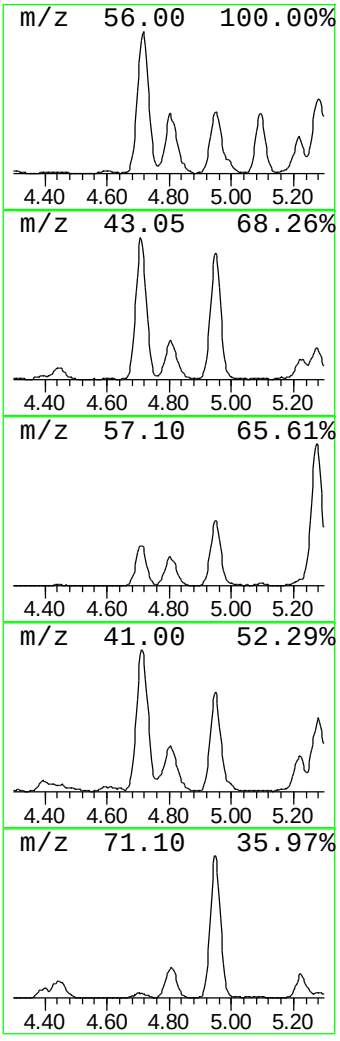
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	9.88 ug/L	270929	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	52
4	2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	50
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

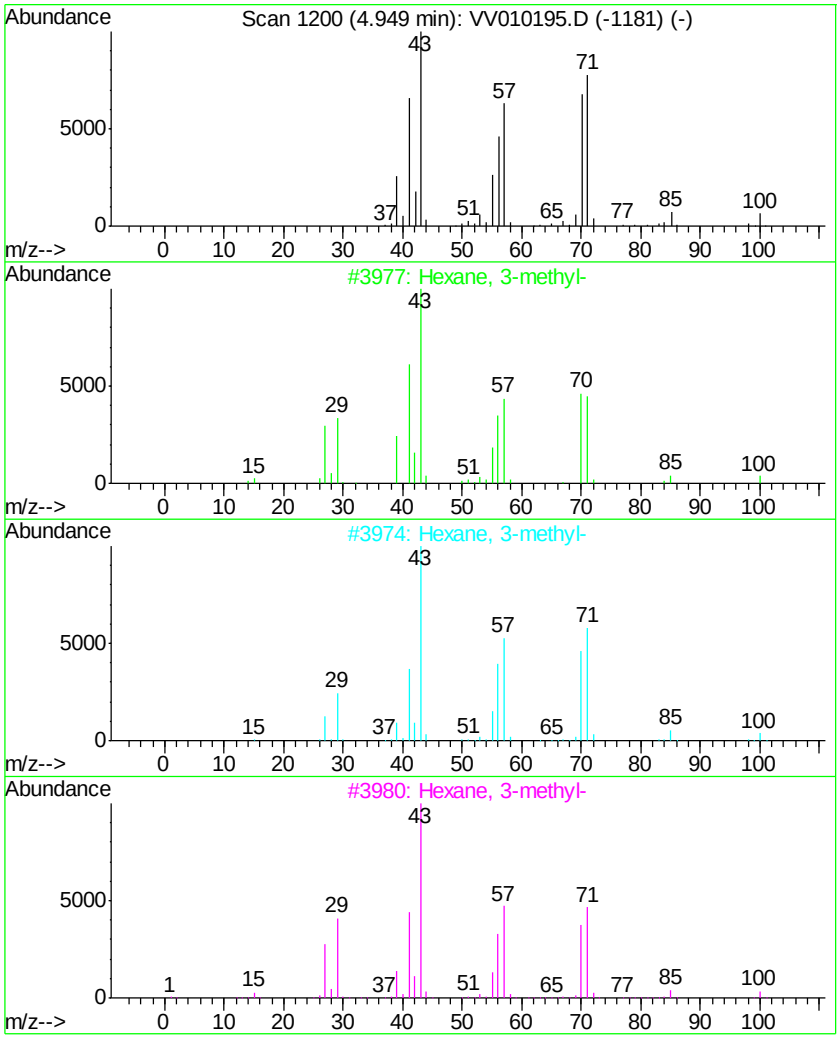
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

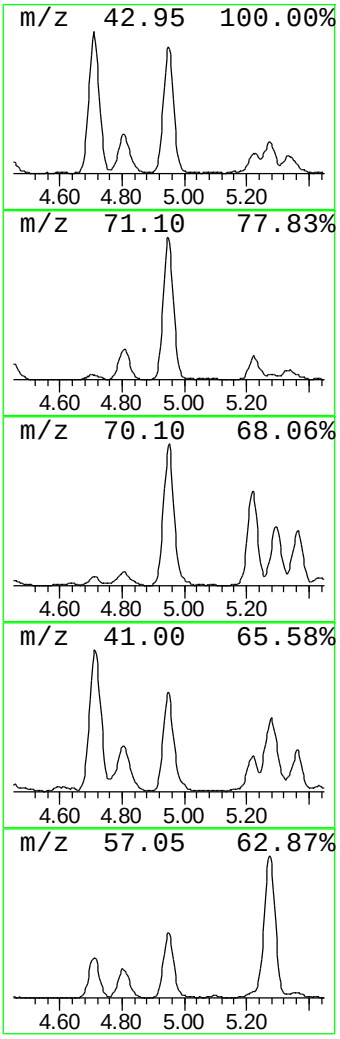
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	20.70 ug/L	567726	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	96
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

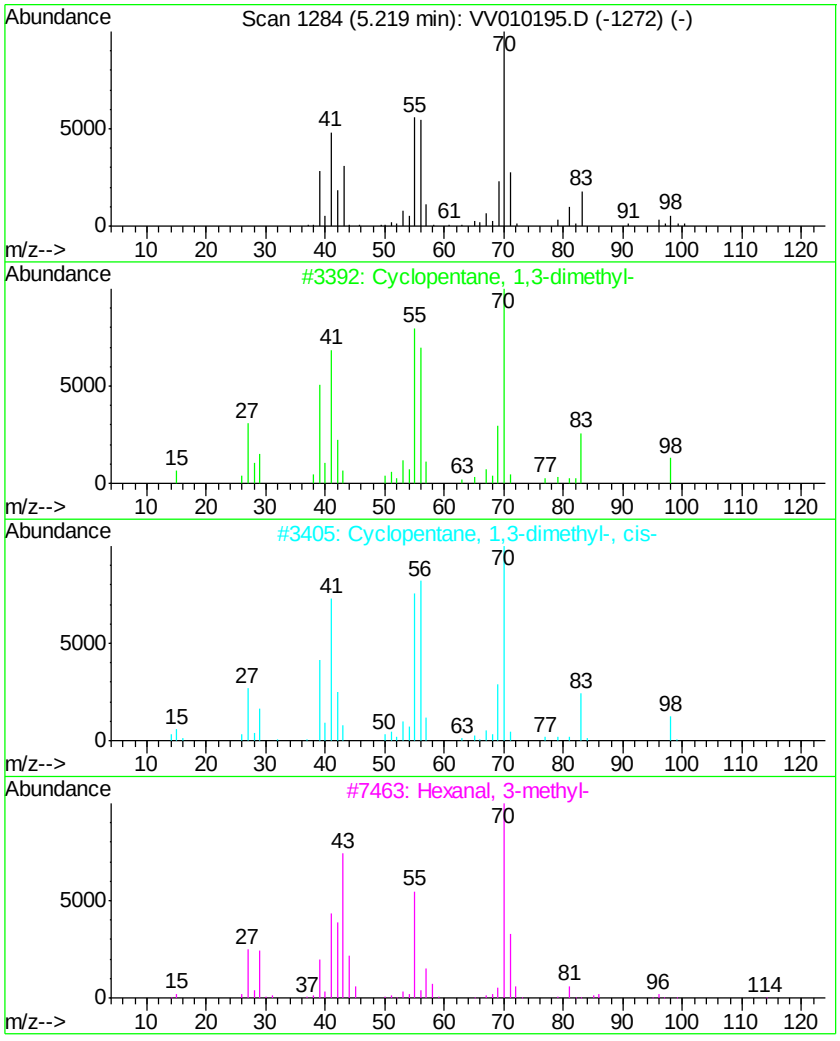
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

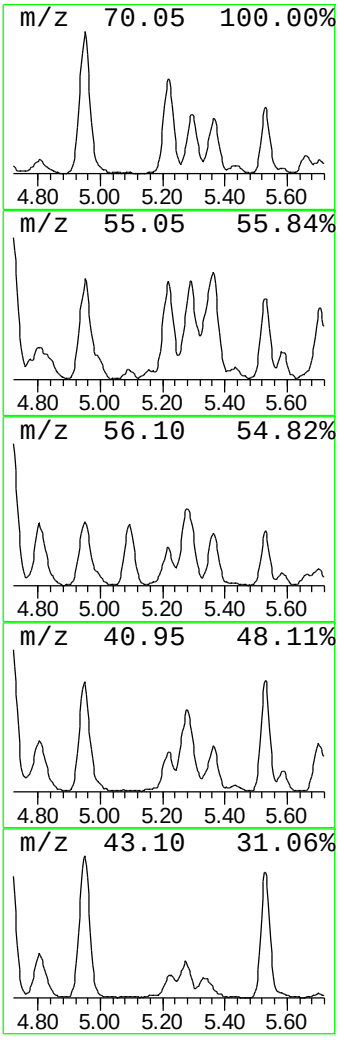
****

Peak Number 10 (DEL) Alkane: Cyclic5.22 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	6.54 ug/L	179279	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
3	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	53
4	Isopropylcyclobutane	98	C7H14	000872-56-0	53
5	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

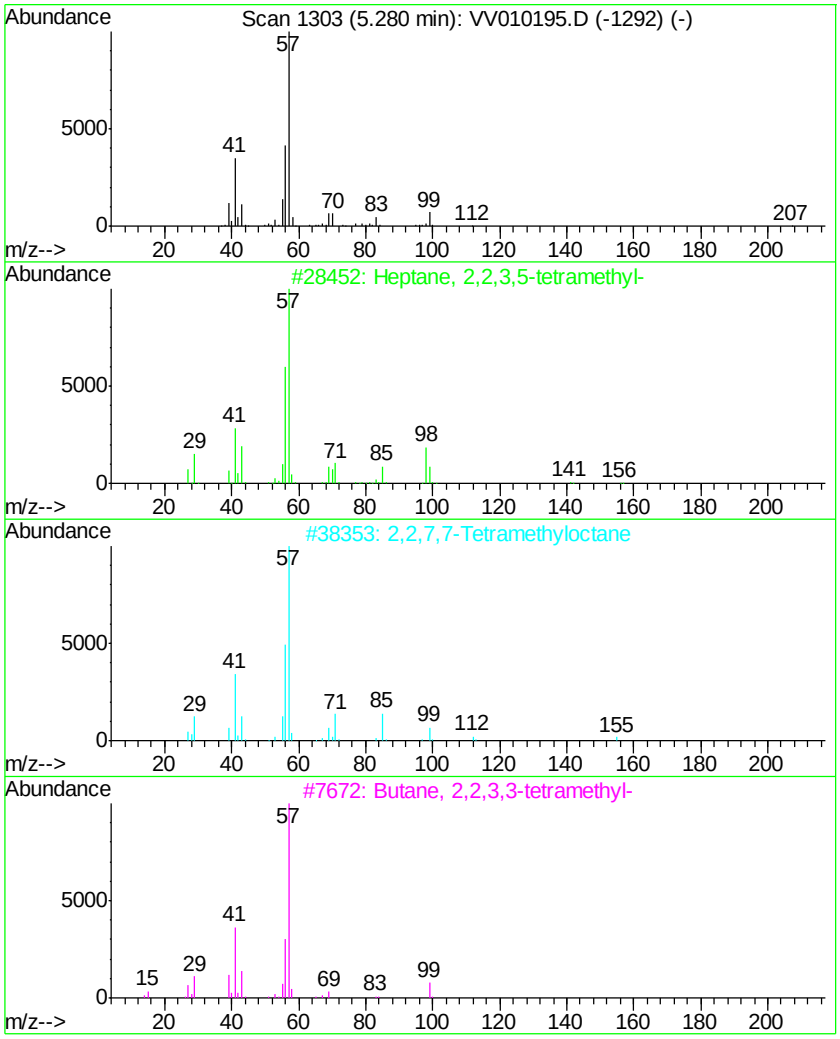
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

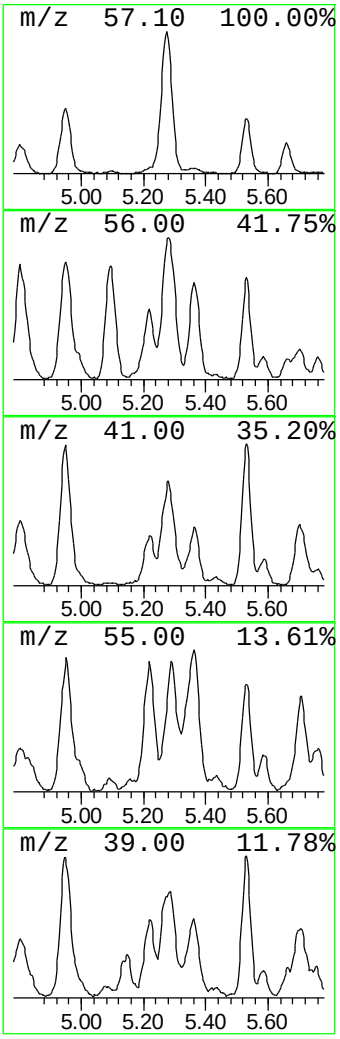
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	11.06 ug/L	303397	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	78
2	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

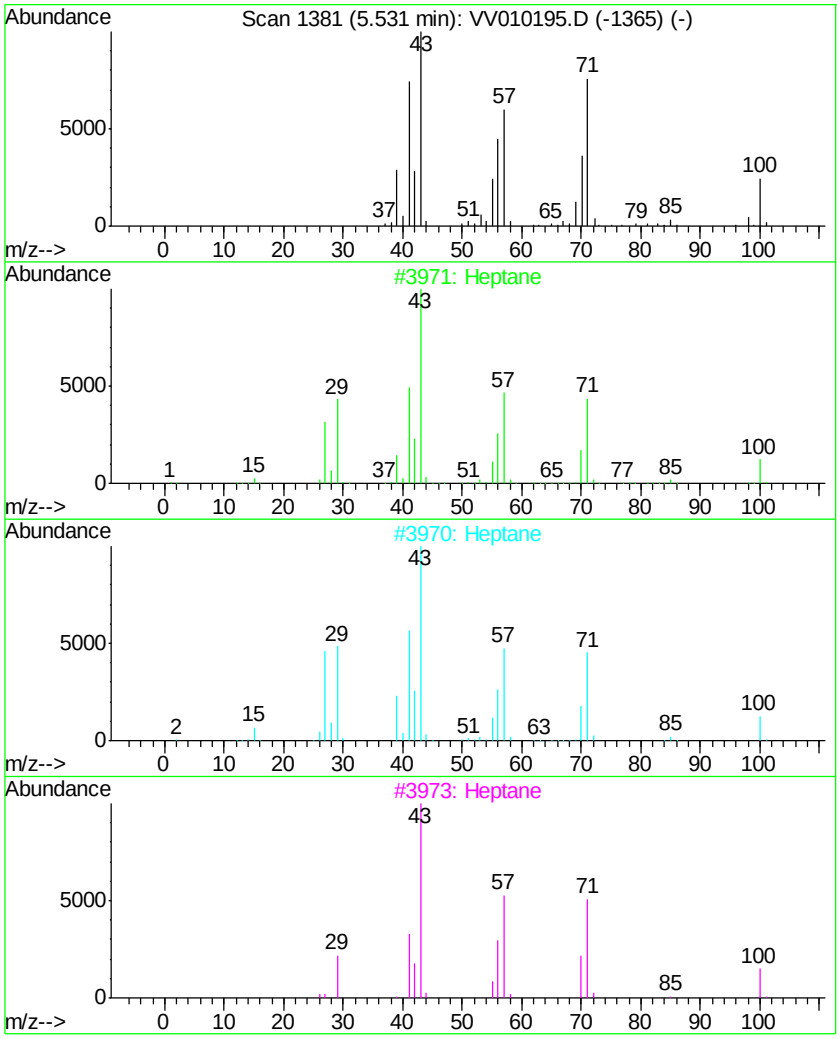
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

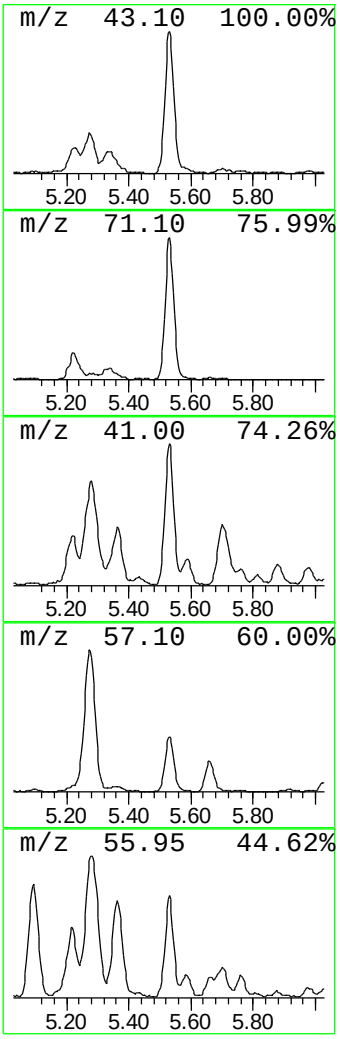
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	15.02 ug/L	411868	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	72
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	72
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

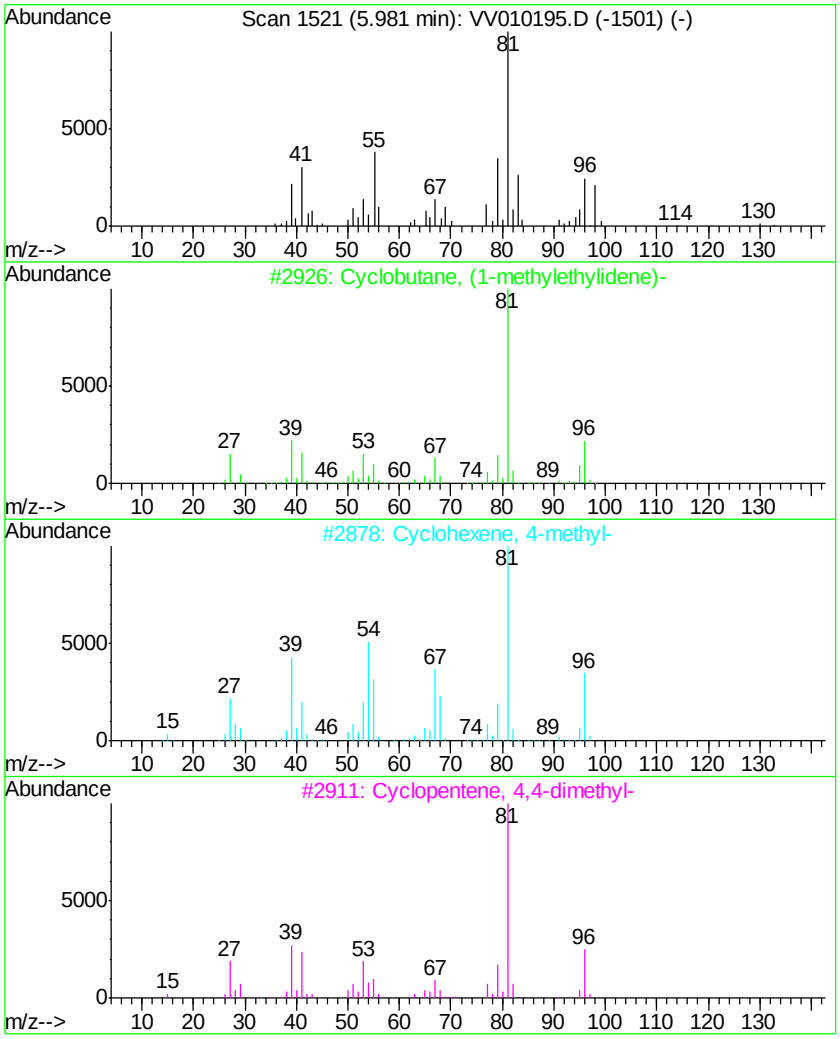
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

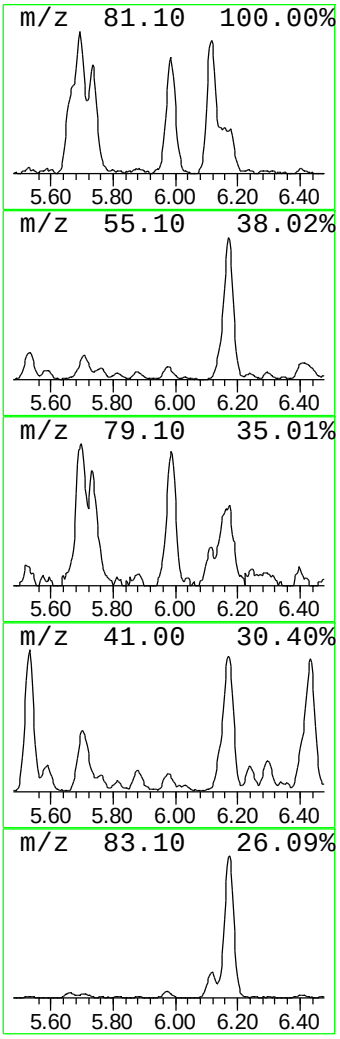
****

Peak Number 13 Cyclobutane, (1-methylethyl... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	4.17 ug/L	114314	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	58
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	52
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	52
4	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	52
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

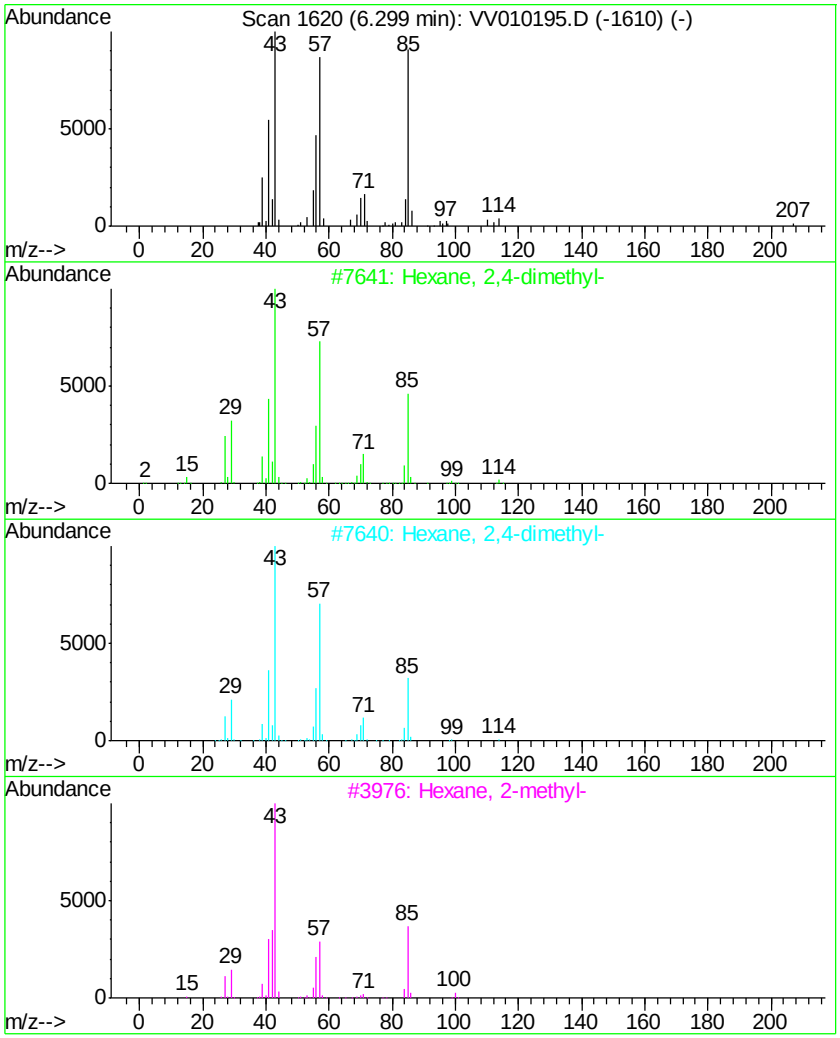
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

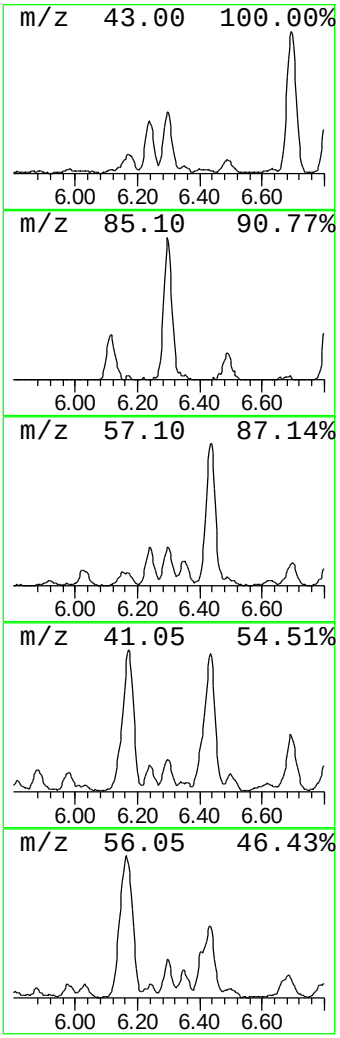
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	3.07 ug/L	84086	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	78
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	76
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

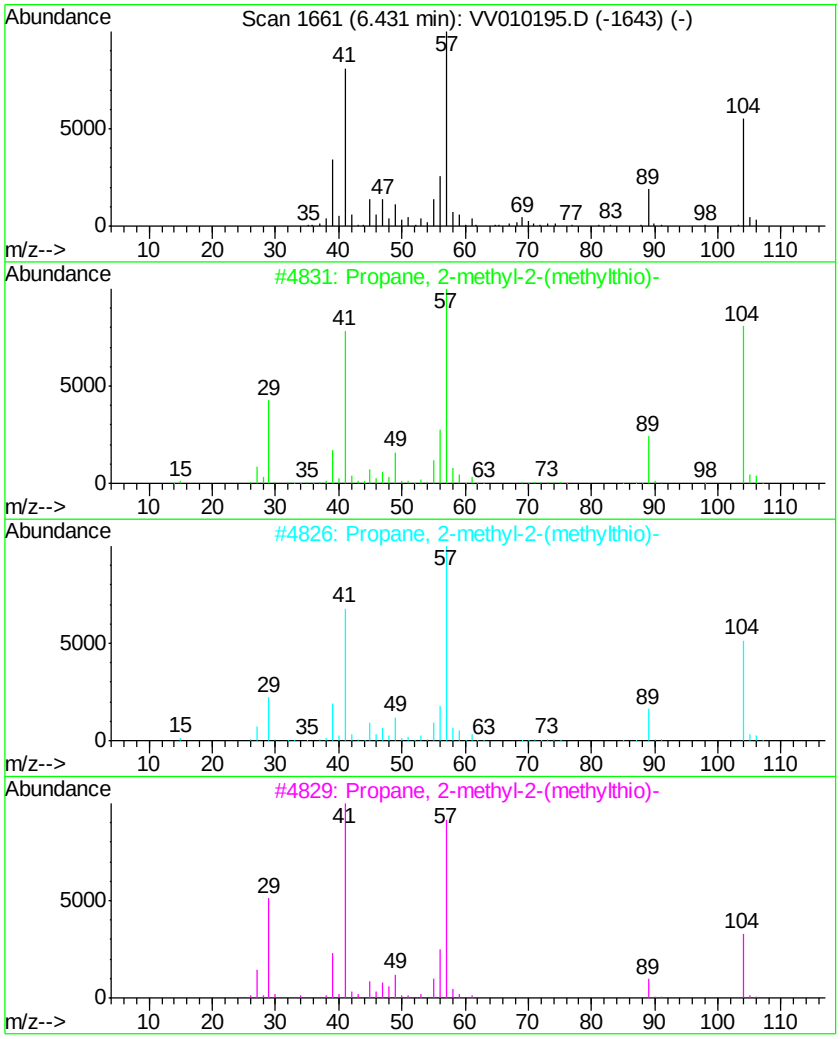
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

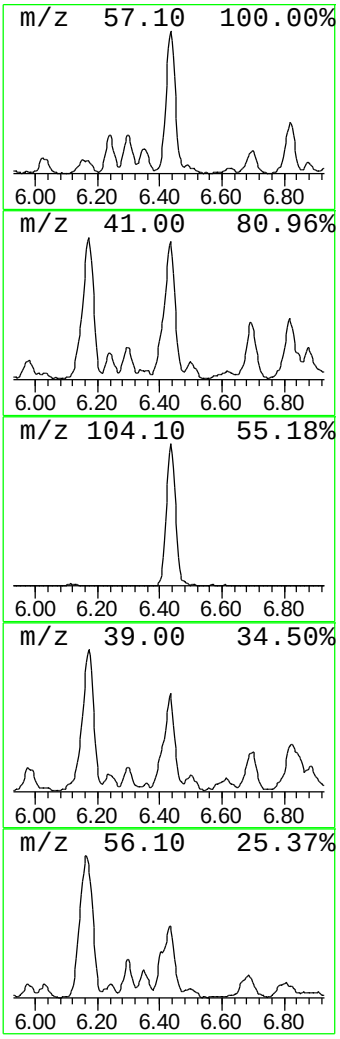
****

Peak Number 15 Propane, 2-methyl-2-(methyl... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	13.50 ug/L	370118	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	97
2	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	95
3	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	86
4	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	74
5	1-Propanethiol, 2,2-dimethyl-	104	C5H12S	001679-08-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

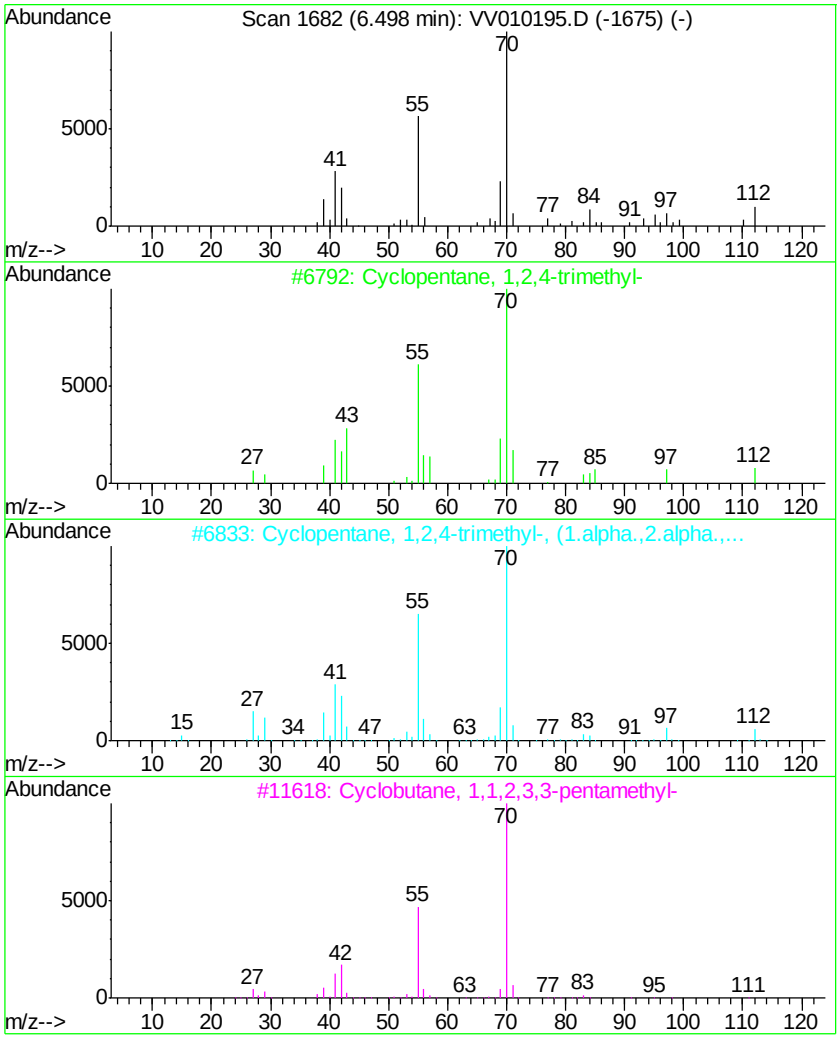
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

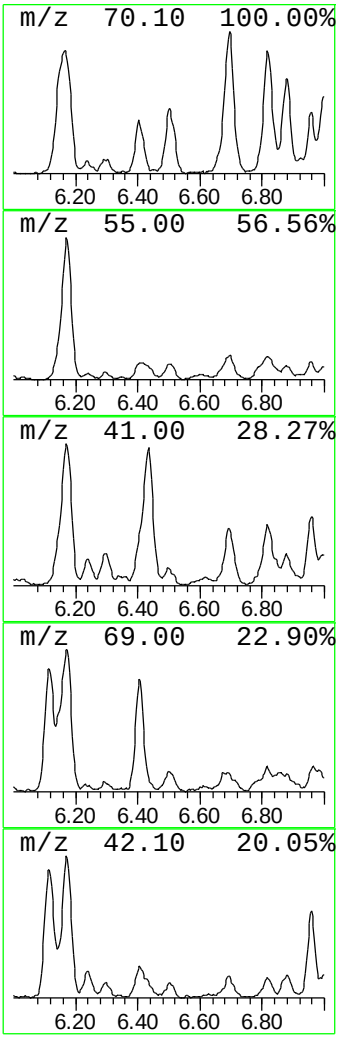
****

Peak Number 16 (DEL) Alkane: Cyclic6.50 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	2.74 ug/L	75064	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	80
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
3	Cyclobutane, 1,1,2,3,3-pentamethyl-	126	C9H18	057905-86-9	59
4	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	50
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

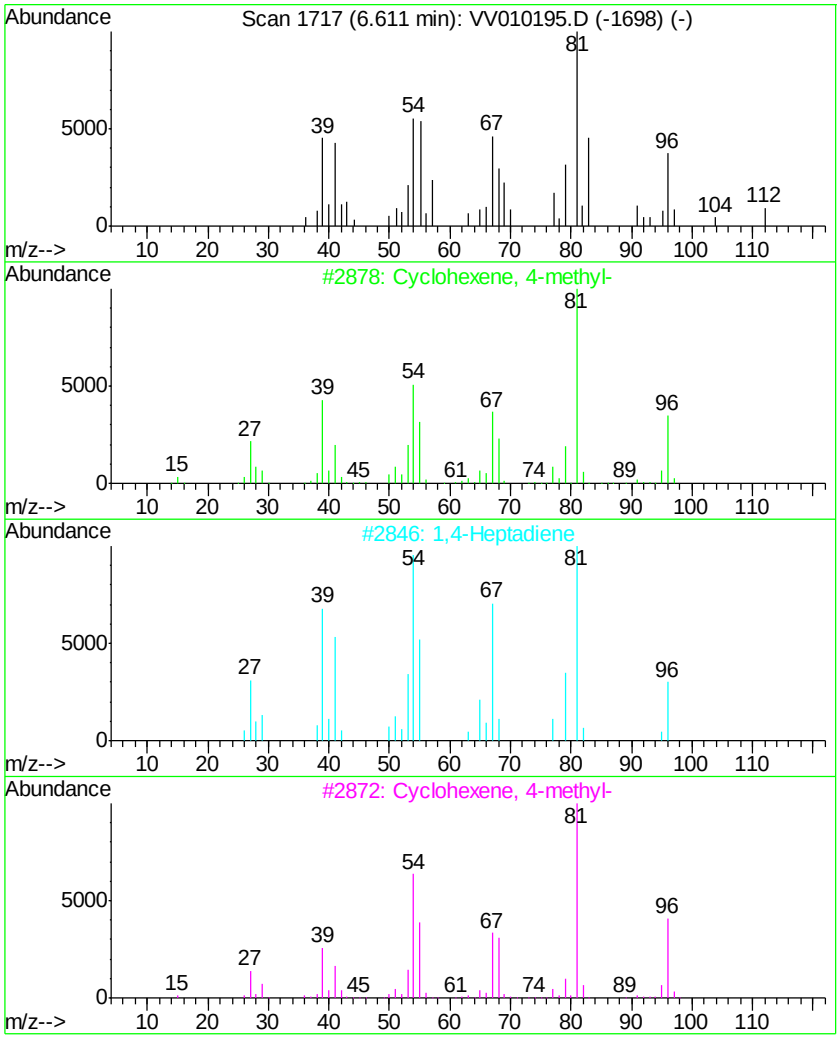
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

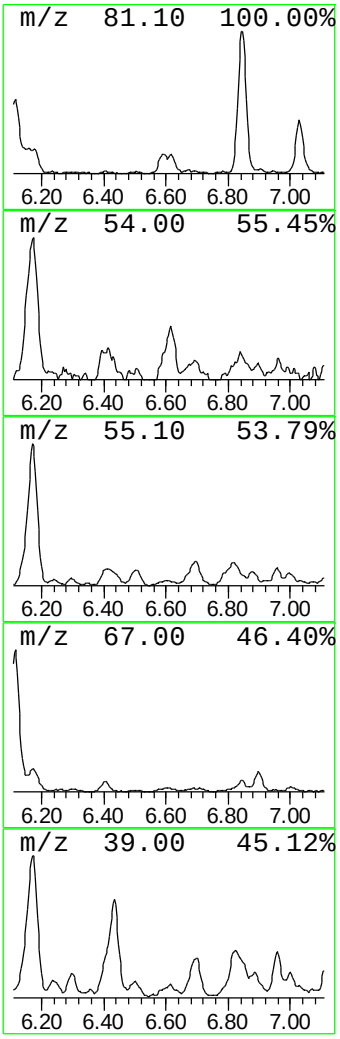
****

Peak Number 17 Cyclohexene, 4-methyl- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	2.50 ug/L	68691	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	94
2	1,4-Heptadiene	96	C7H12	005675-22-9	76
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	64
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	64
5	Cyclohexylmethyl formate	142	C8H14O2	002888-49-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

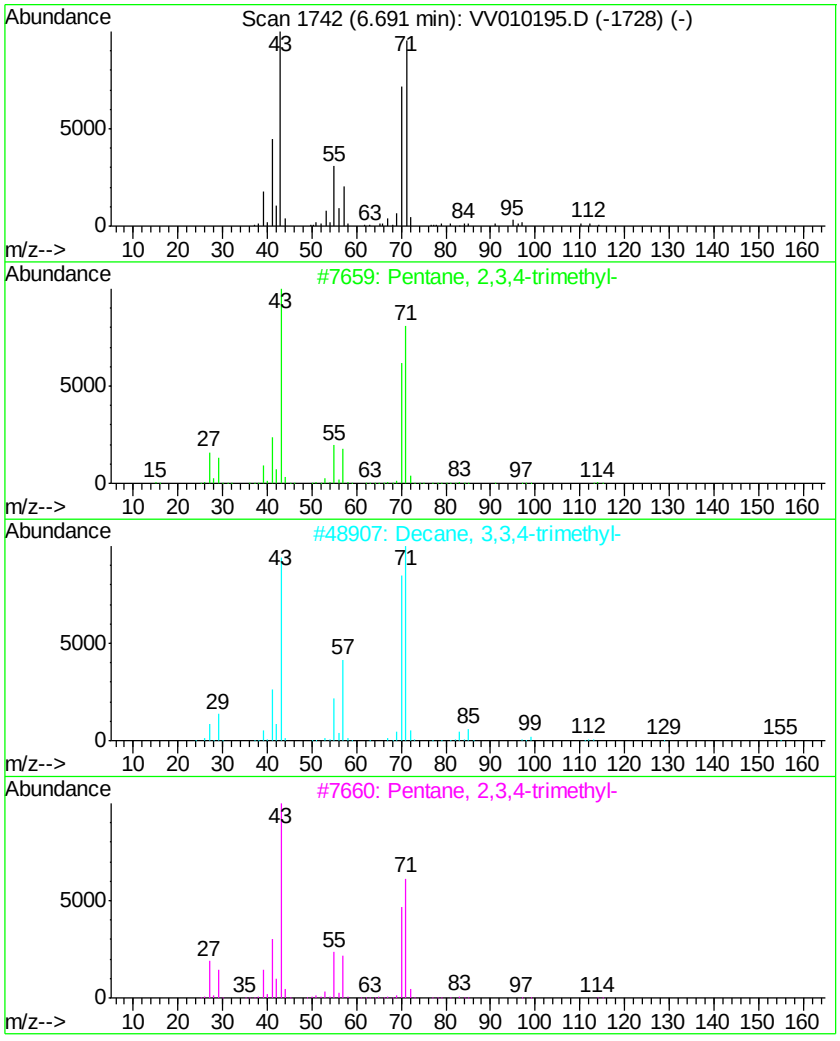
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

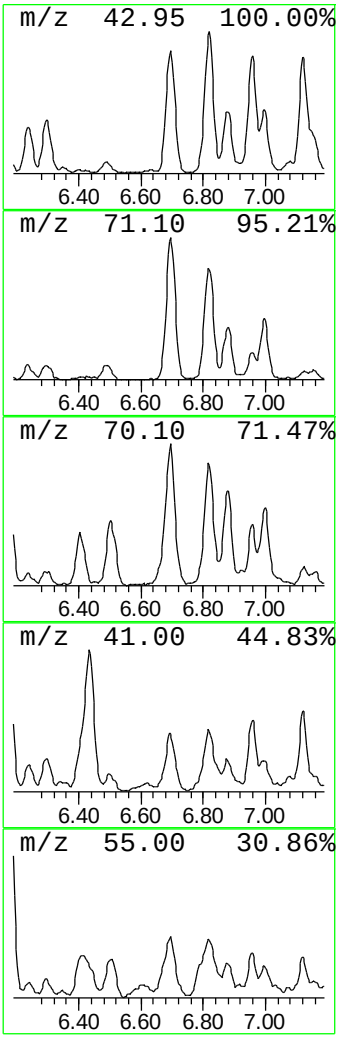
****

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	9.16 ug/L	251053	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	90
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	78
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

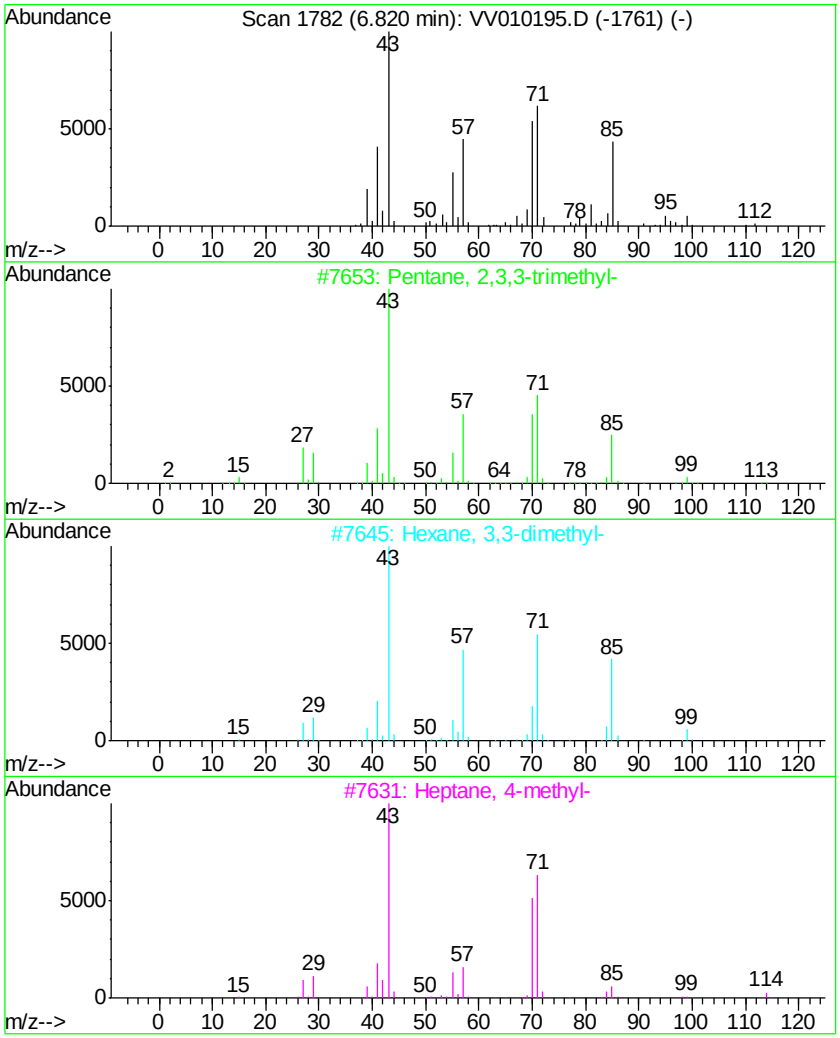
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

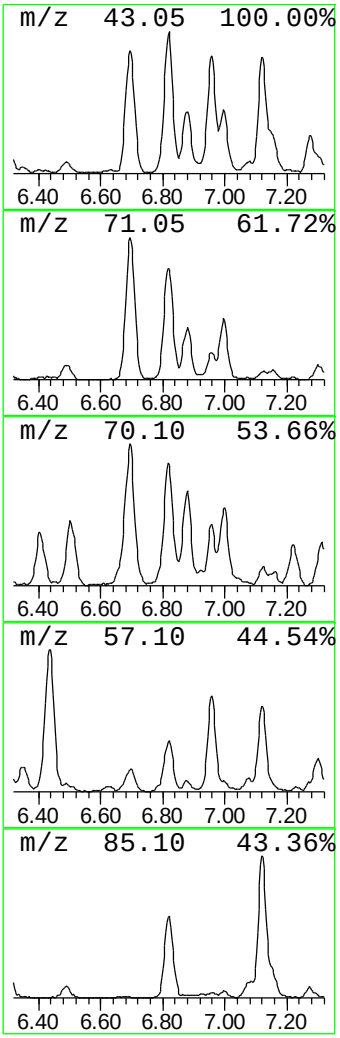
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	15.19 ug/L	416682	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	78
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

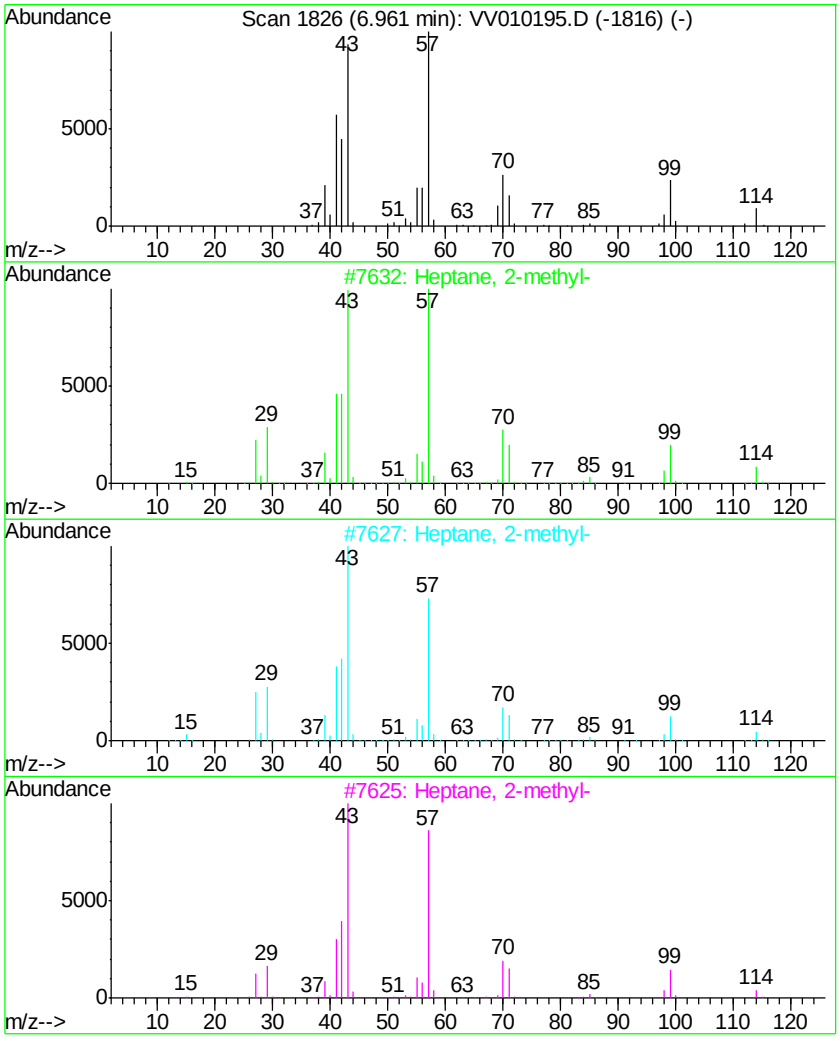
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

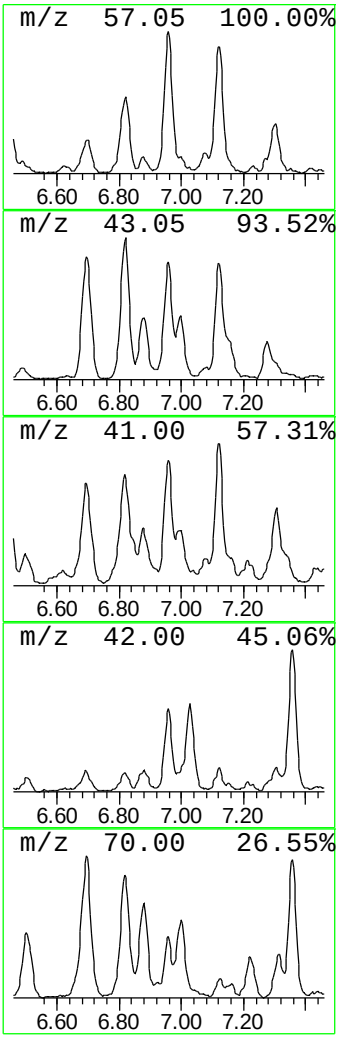
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	5.79 ug/L	158684	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	86
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	64
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

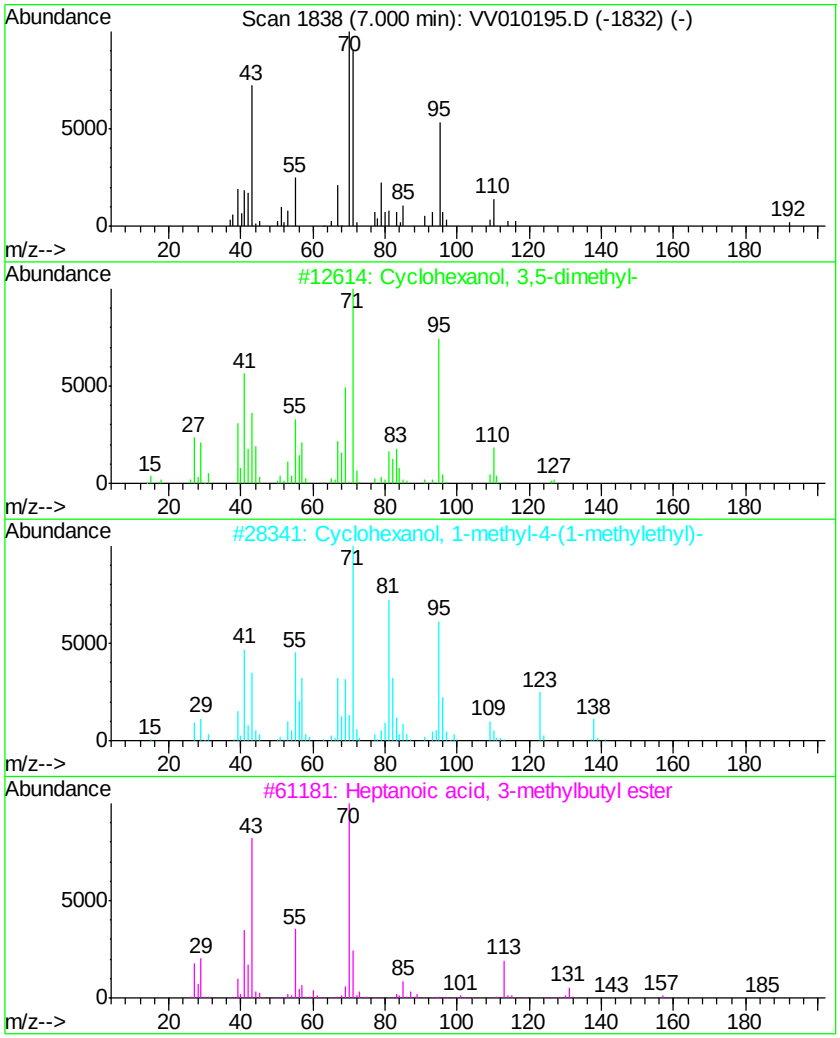
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

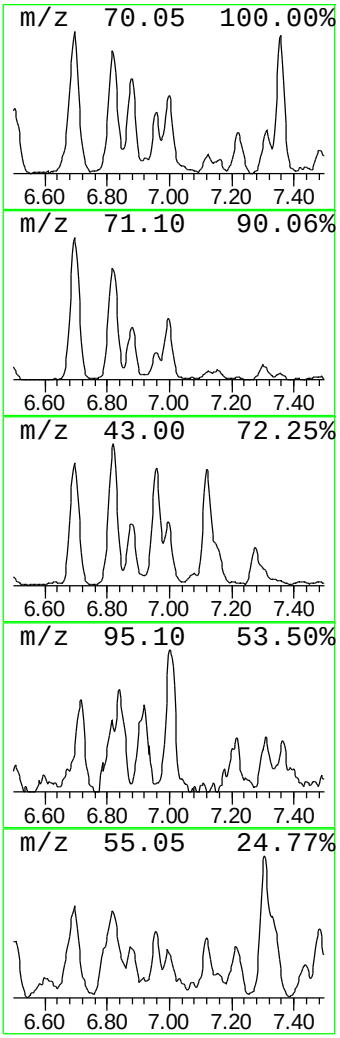
****

Peak Number 21 unknown-01 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	2.73 ug/L	74934	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,5-dimethyl-	128	C8H16O	005441-52-1	37
2	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	021129-27-1	37
3	Heptanoic acid, 3-methylbutyl ester	200	C12H24O2	000109-25-1	27
4	Heptanoic acid, 3-methylbutyl ester	200	C12H24O2	000109-25-1	27
5	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	18





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

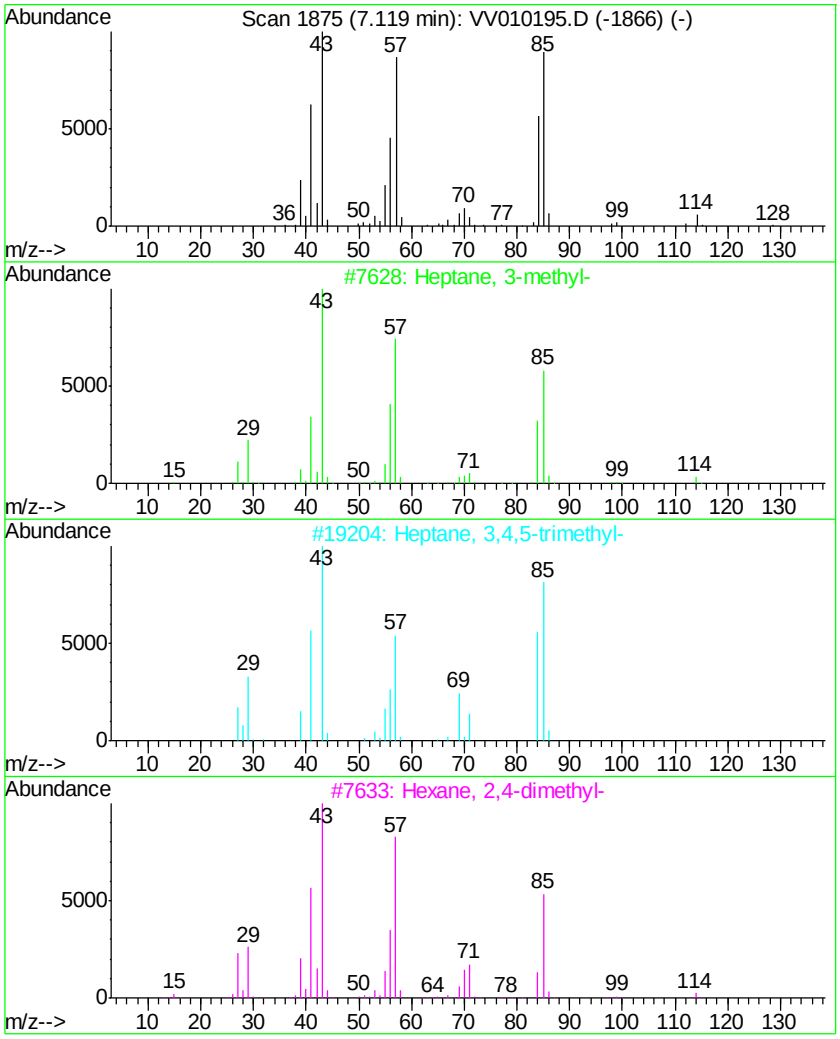
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

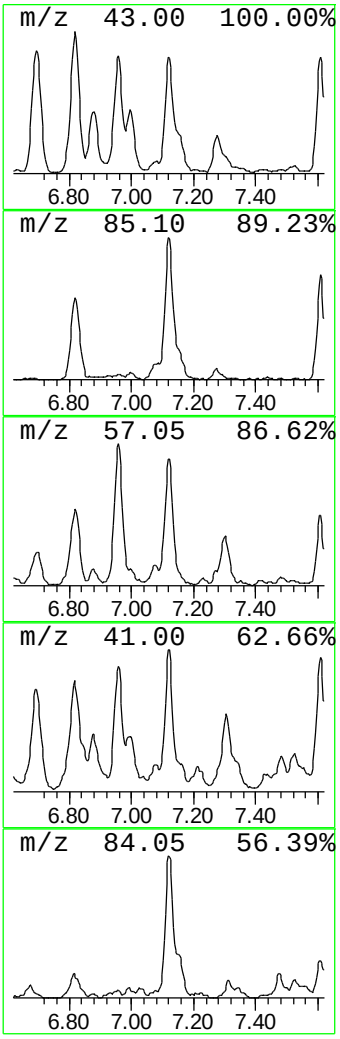
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	7.97 ug/L	218631	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

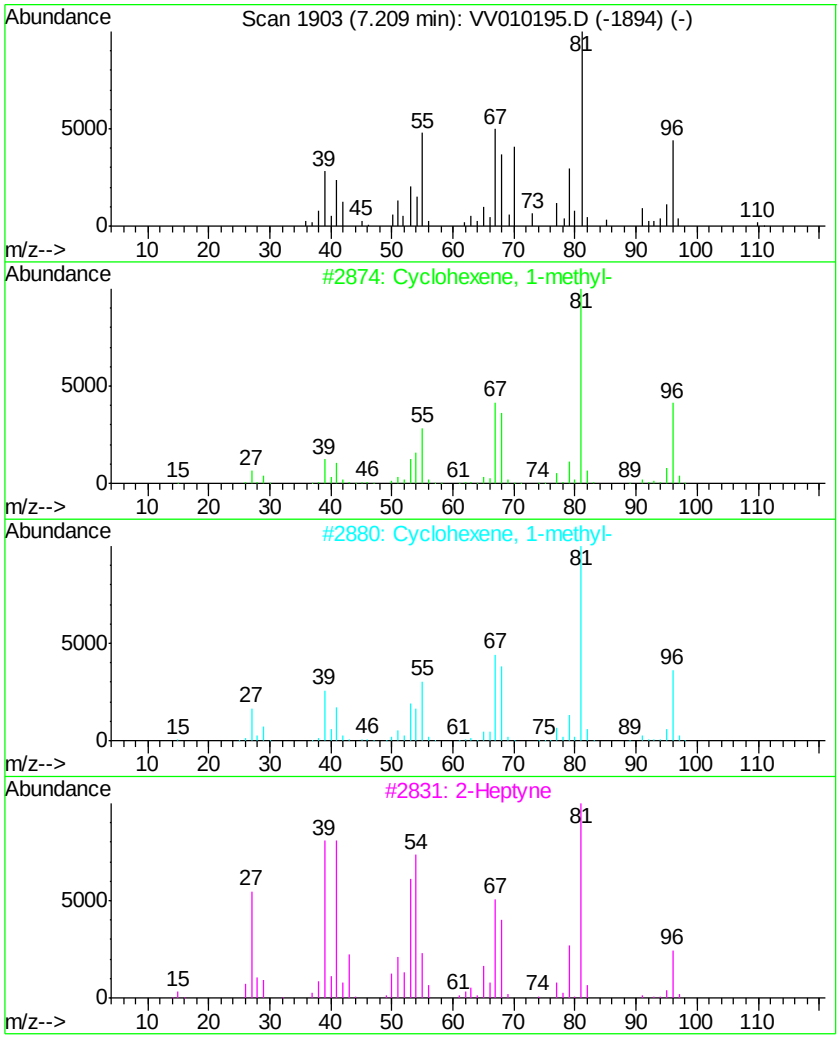
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

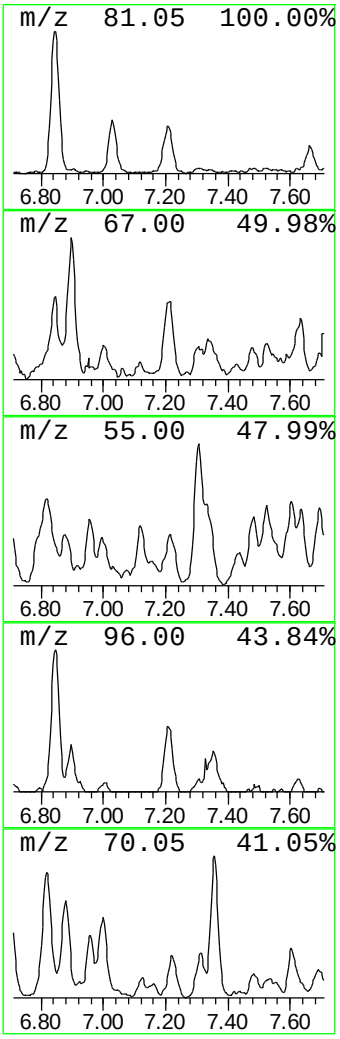
****

Peak Number 24 Cyclohexene, 1-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	3.49 ug/L	95608	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	68
3	2-Heptyne	96	C7H12	001119-65-9	62
4	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	60
5	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

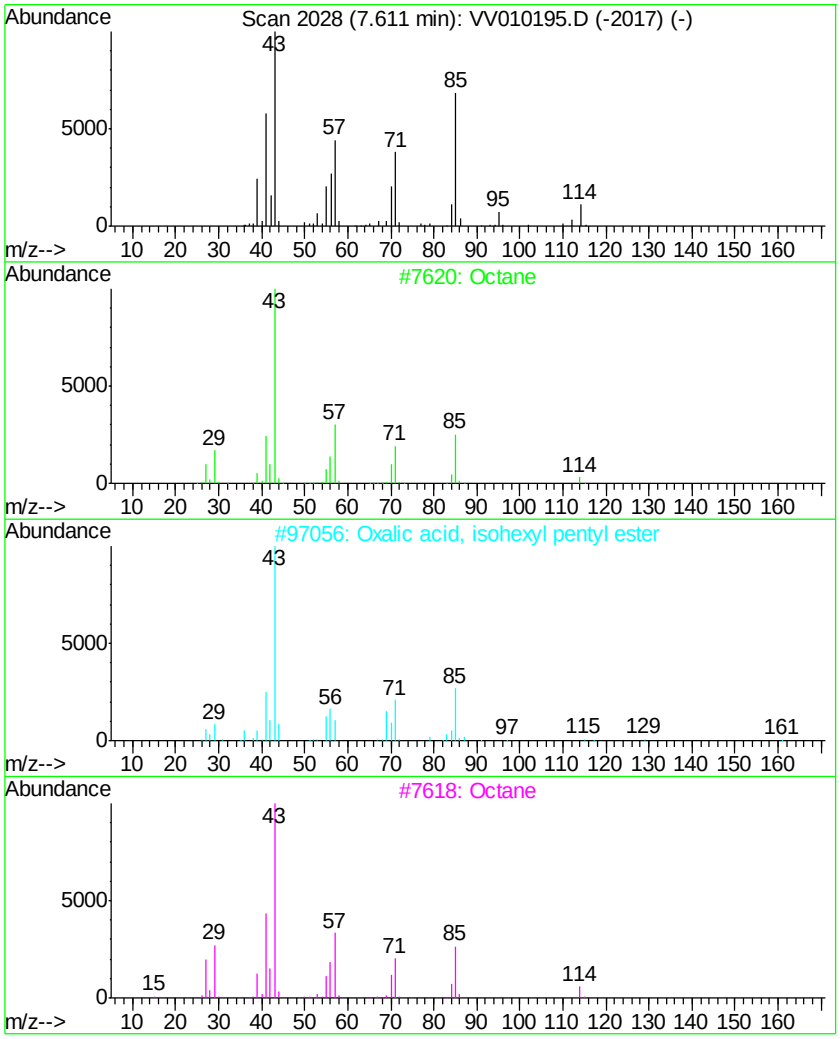
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

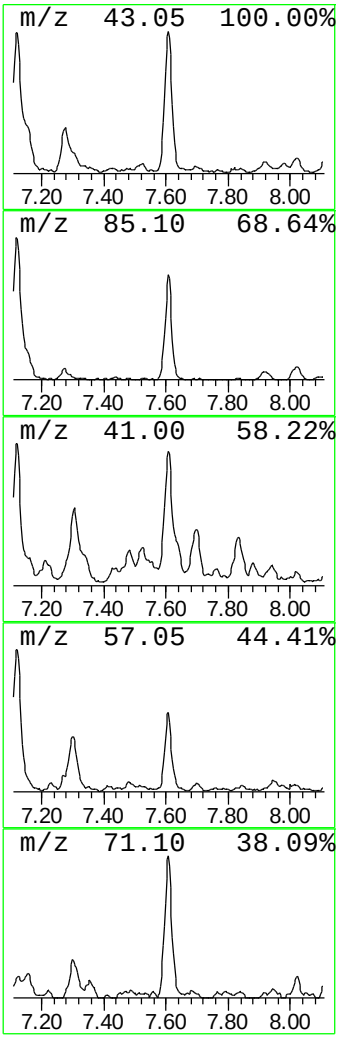
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	6.98 ug/L	203428	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	78
3	Octane	114	C8H18	000111-65-9	68
4	Octane	114	C8H18	000111-65-9	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

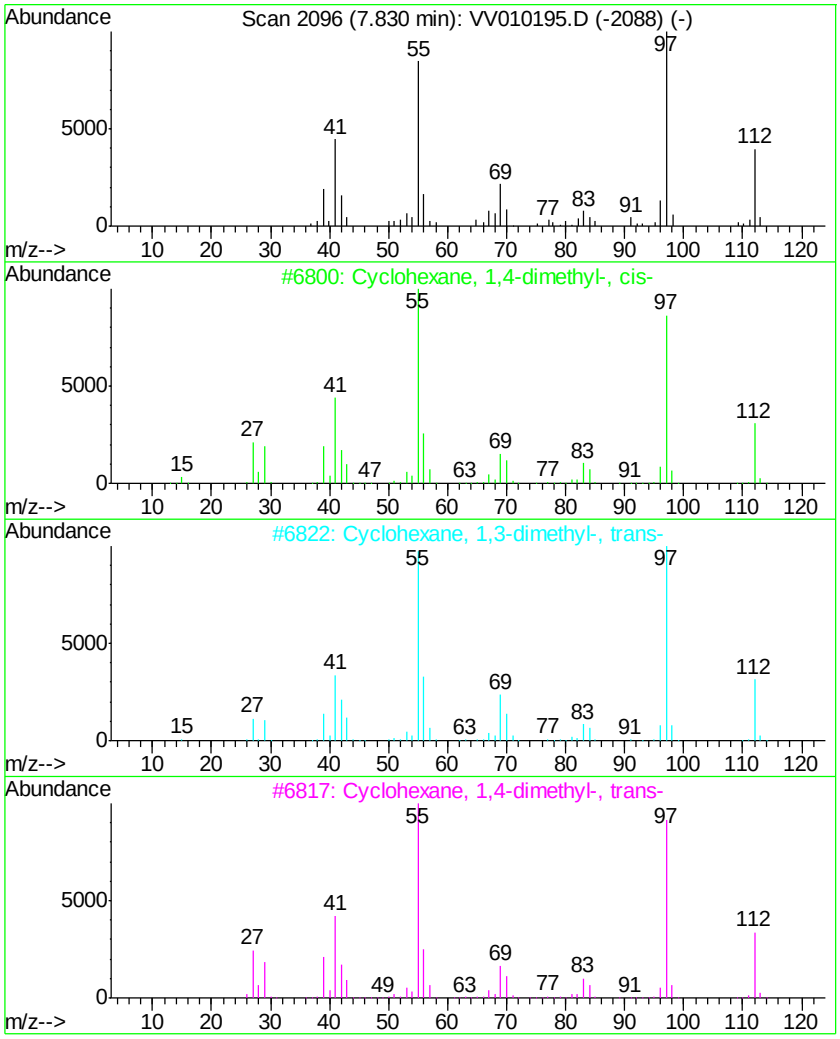
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

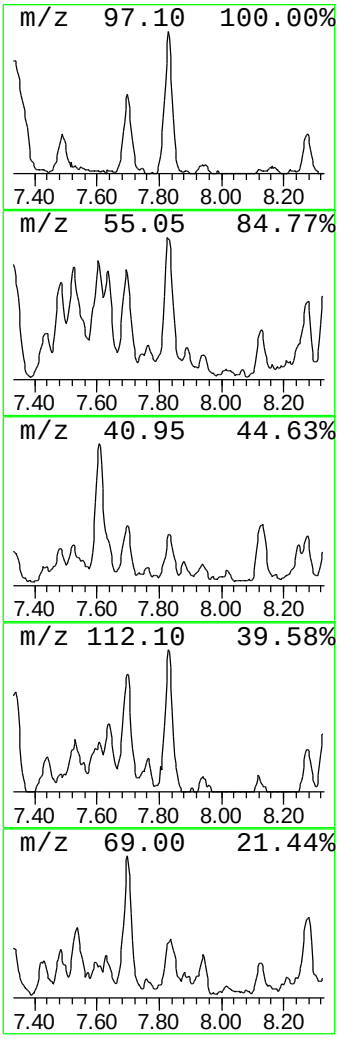
****

Peak Number 26 (DEL) Alkane: Cyclic7.83 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	2.31 ug/L	67427	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

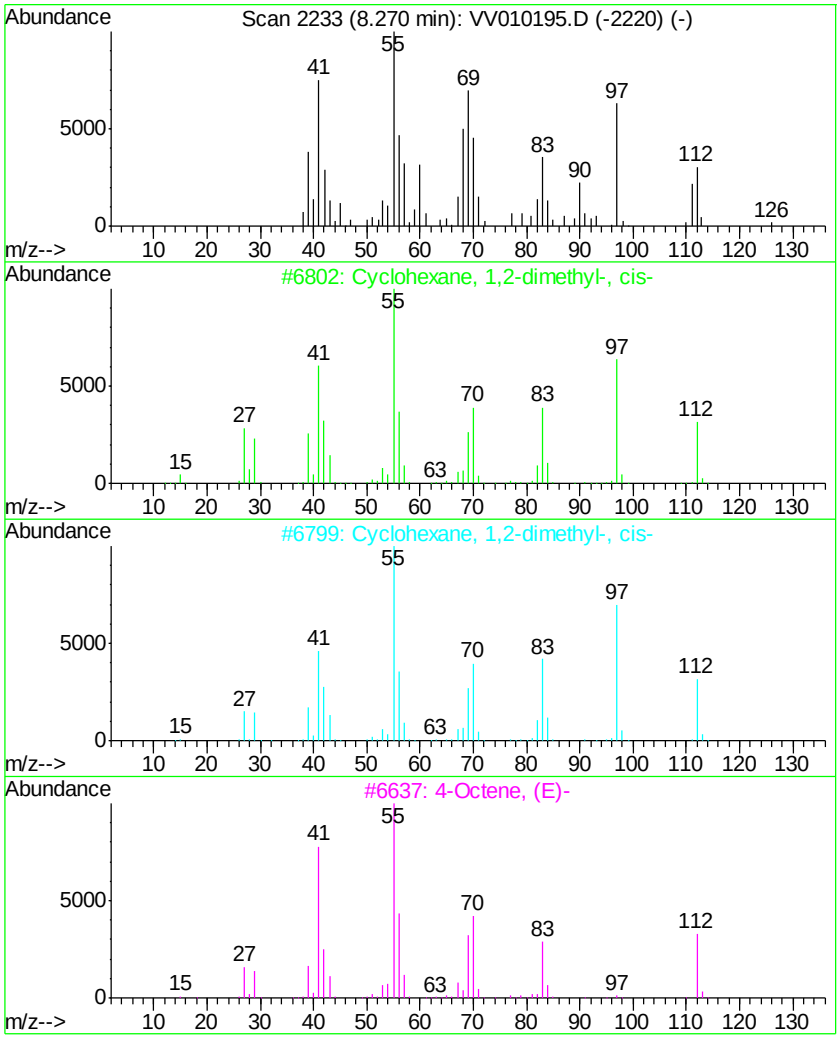
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

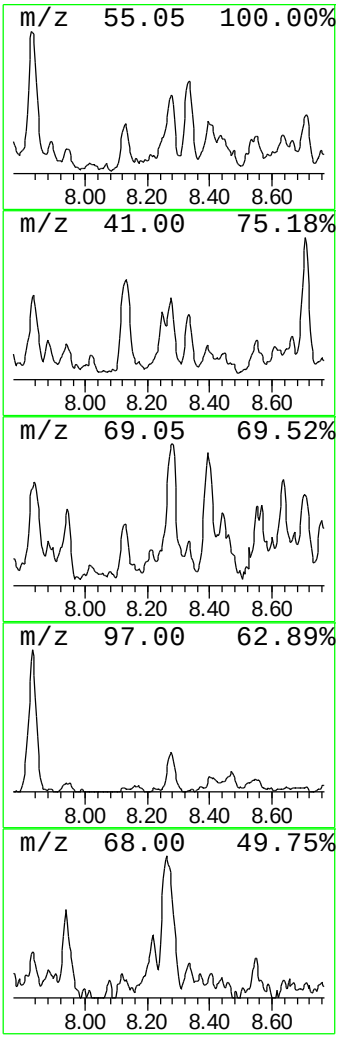
****

Peak Number 27 (DEL) Alkane: Cyclic8.27 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	3.81 ug/L	111107	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	60
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	55
3	4-Octene, (E)-	112	C8H16	014850-23-8	50
4	2-Octene, (E)-	112	C8H16	013389-42-9	50
5	4-Octene, (Z)-	112	C8H16	007642-15-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

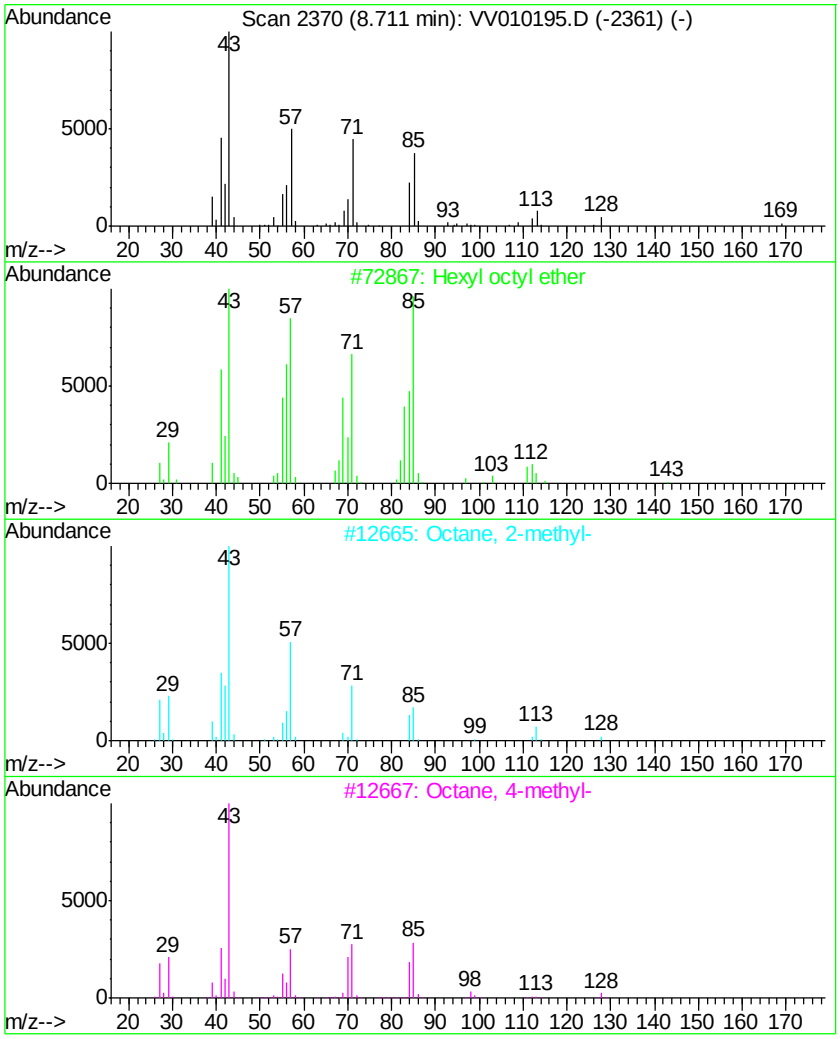
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

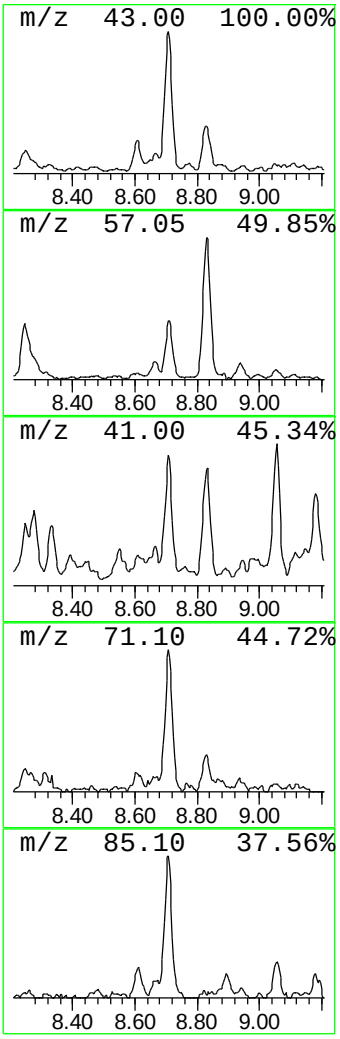
****

Peak Number 28 Hexyl octyl ether Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	3.96 ug/L	115353	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl octyl ether	214	C14H30O	017071-54-4	78
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Octane, 2-methyl-	128	C9H20	003221-61-2	62
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

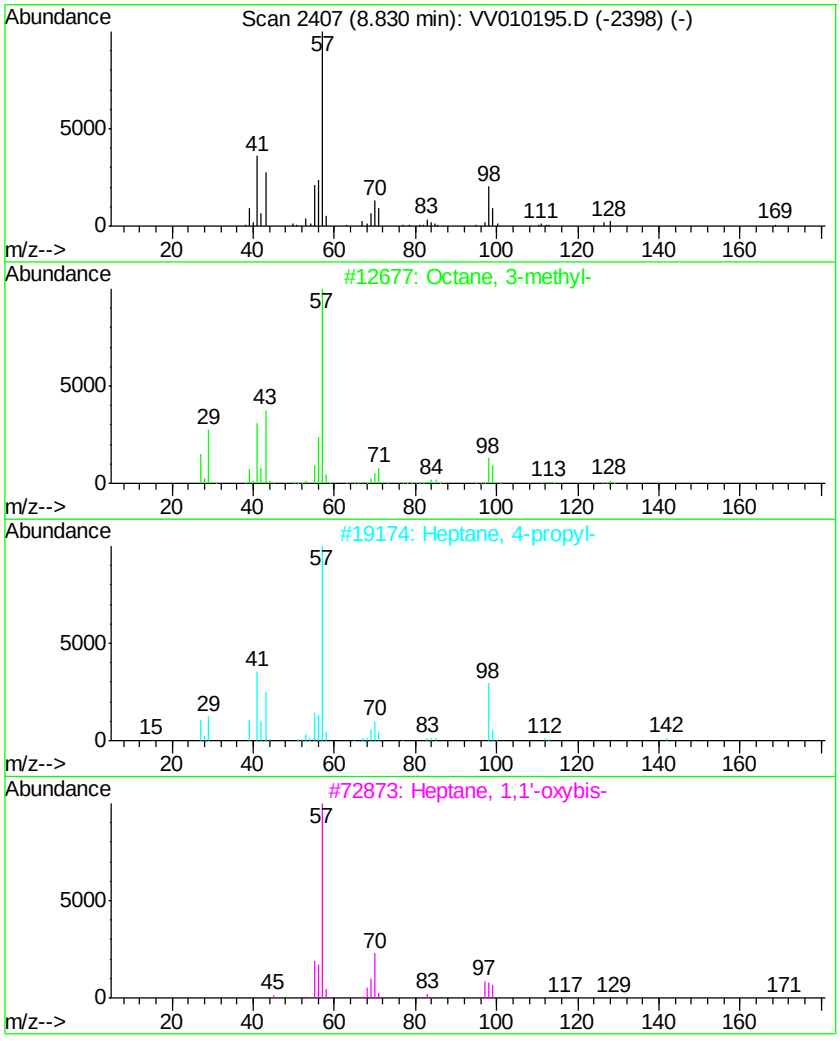
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

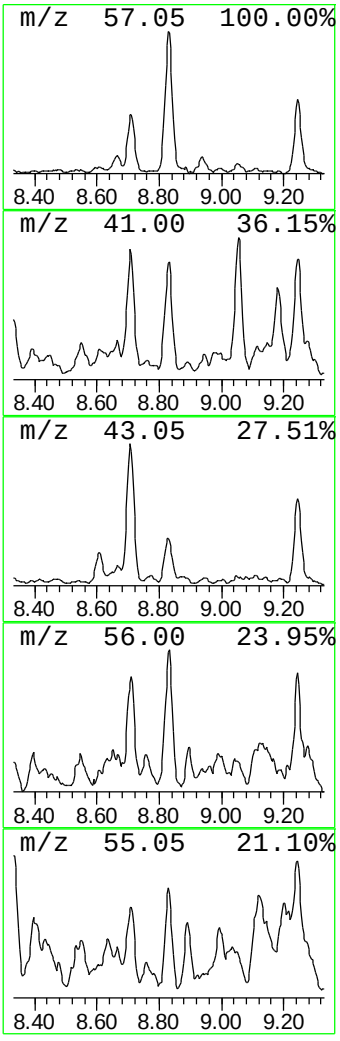
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	3.33 ug/L	97091	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	64
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	59
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52
5	Octane, 3-methyl-	128	C9H20	002216-33-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

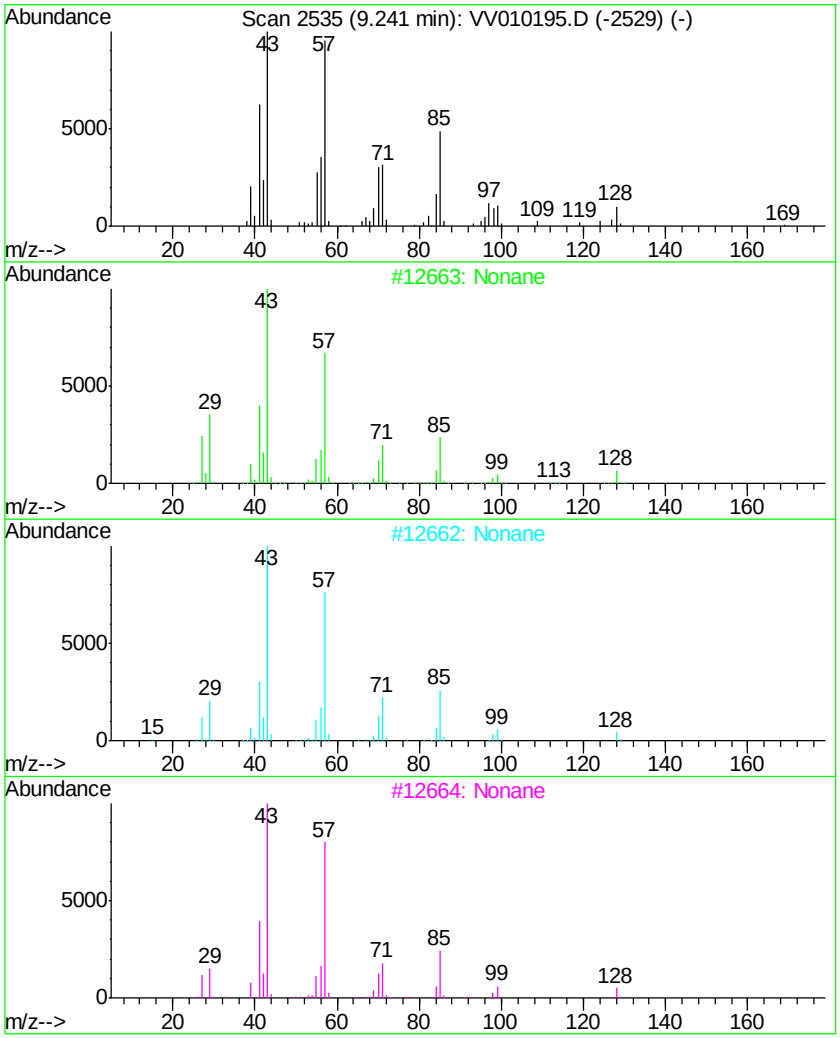
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

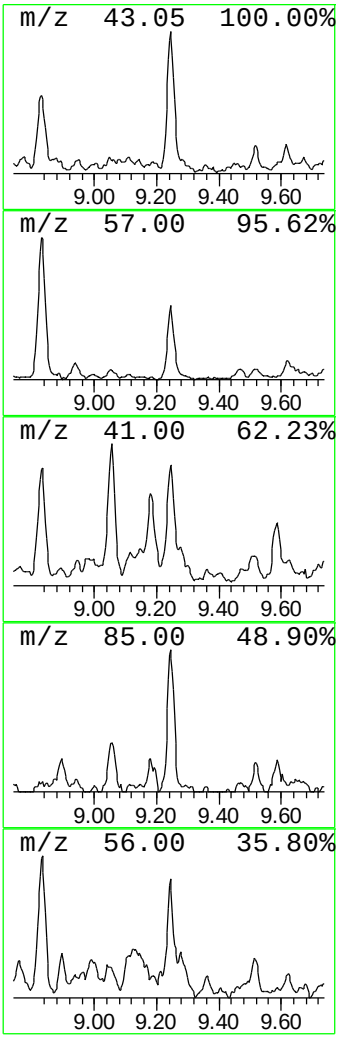
****

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	6.11 ug/L	178048	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	87
2	Nonane	128	C9H20	000111-84-2	83
3	Nonane	128	C9H20	000111-84-2	68
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

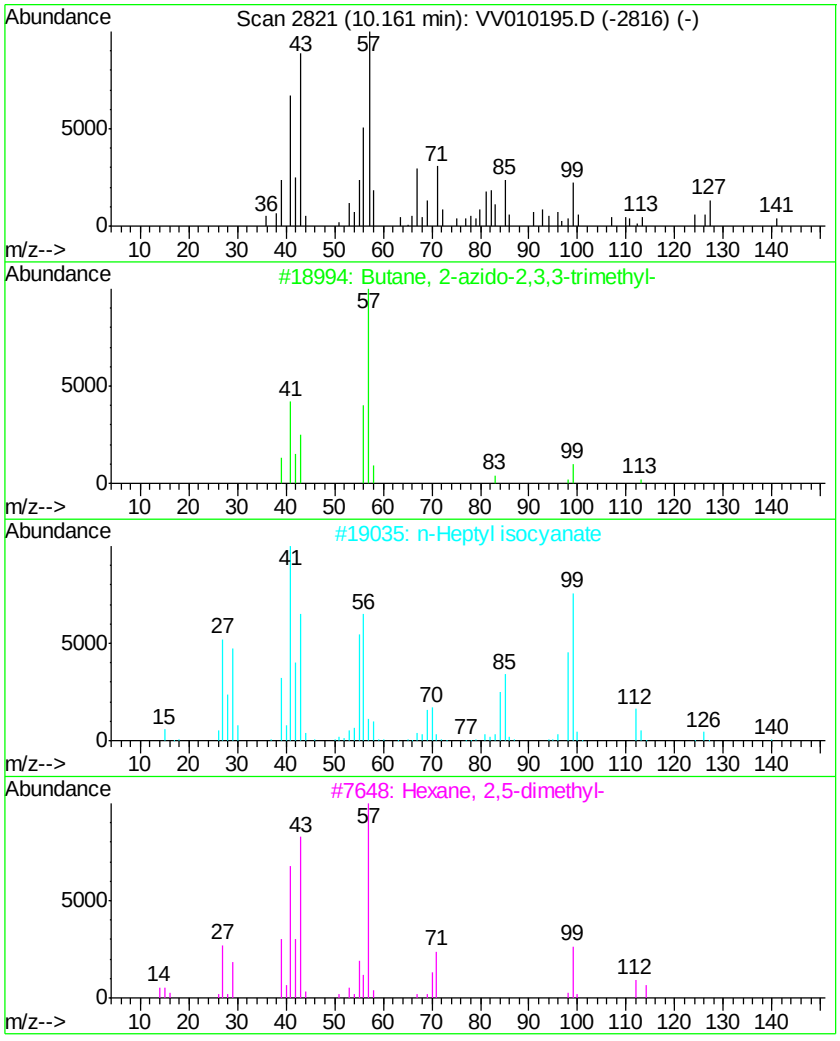
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

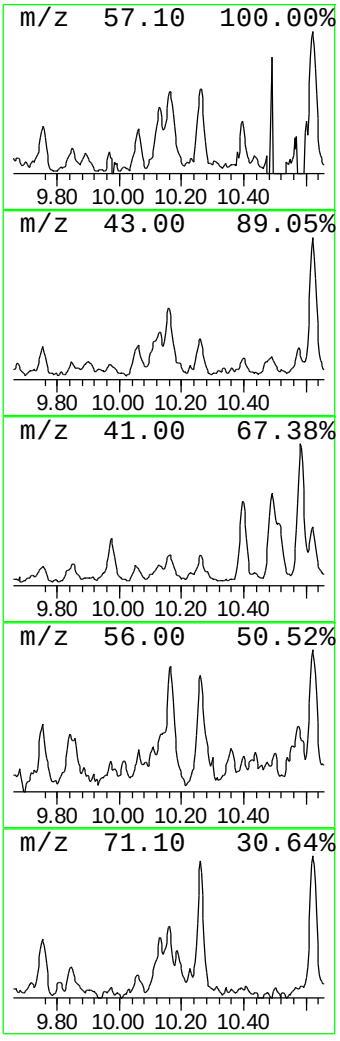
****

Peak Number 31 unknown-02 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	1.83 ug/L	60826	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-azido-2,3,3-trimethyl-	141	C7H15N3	051677-41-9	43
2	n-Heptyl isocyanate	141	C8H15NO	004747-81-3	43
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	38
4	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	35
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

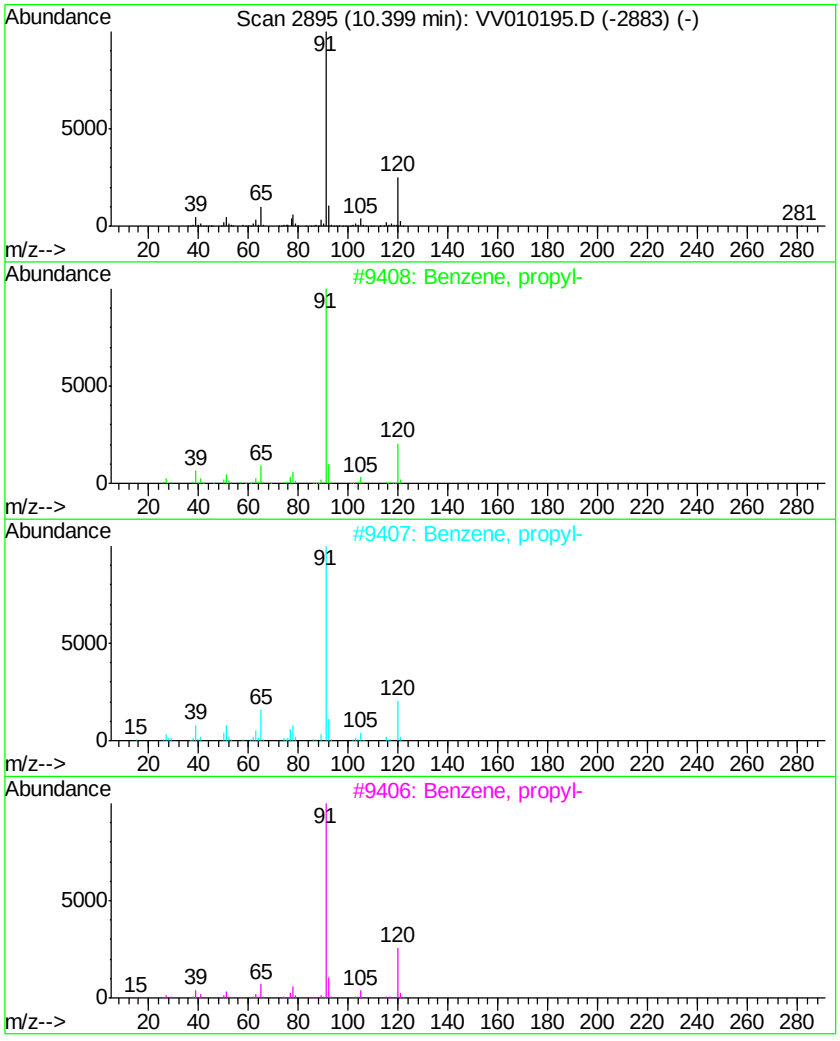
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

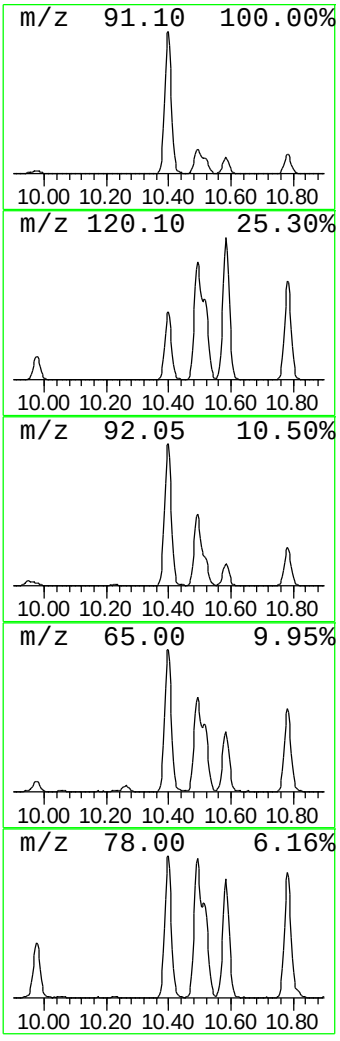
****

Peak Number 32 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	57.45 ug/L	1909630	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

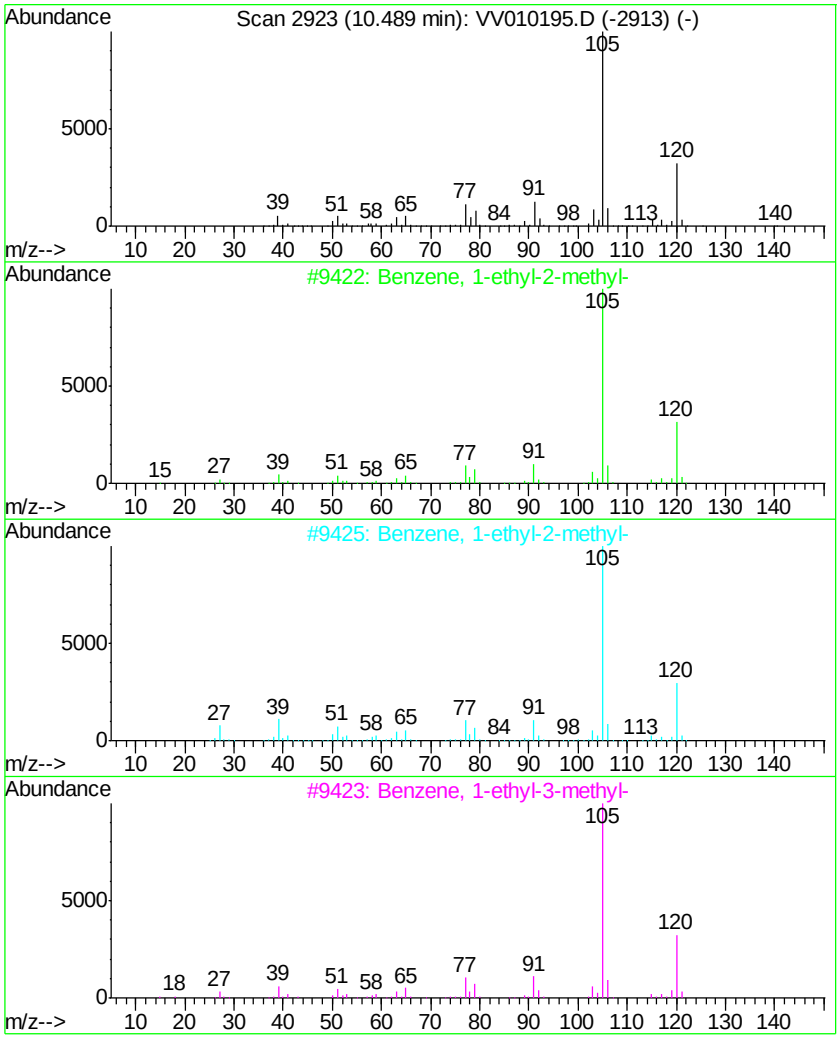
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

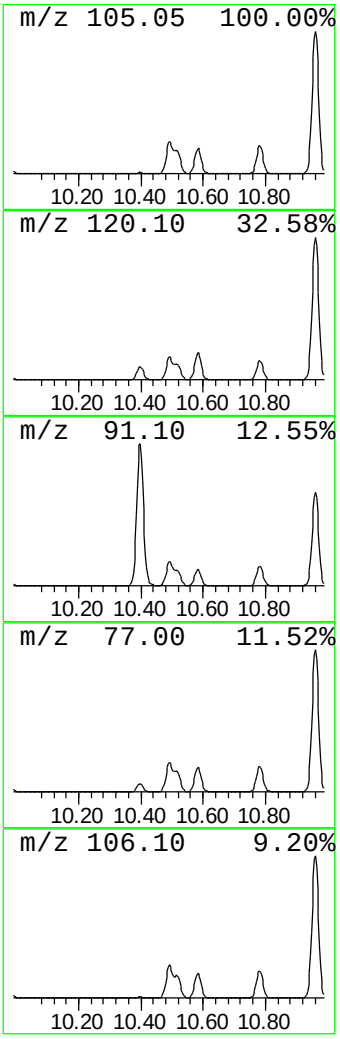
****

Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	98.26 ug/L	3266220	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

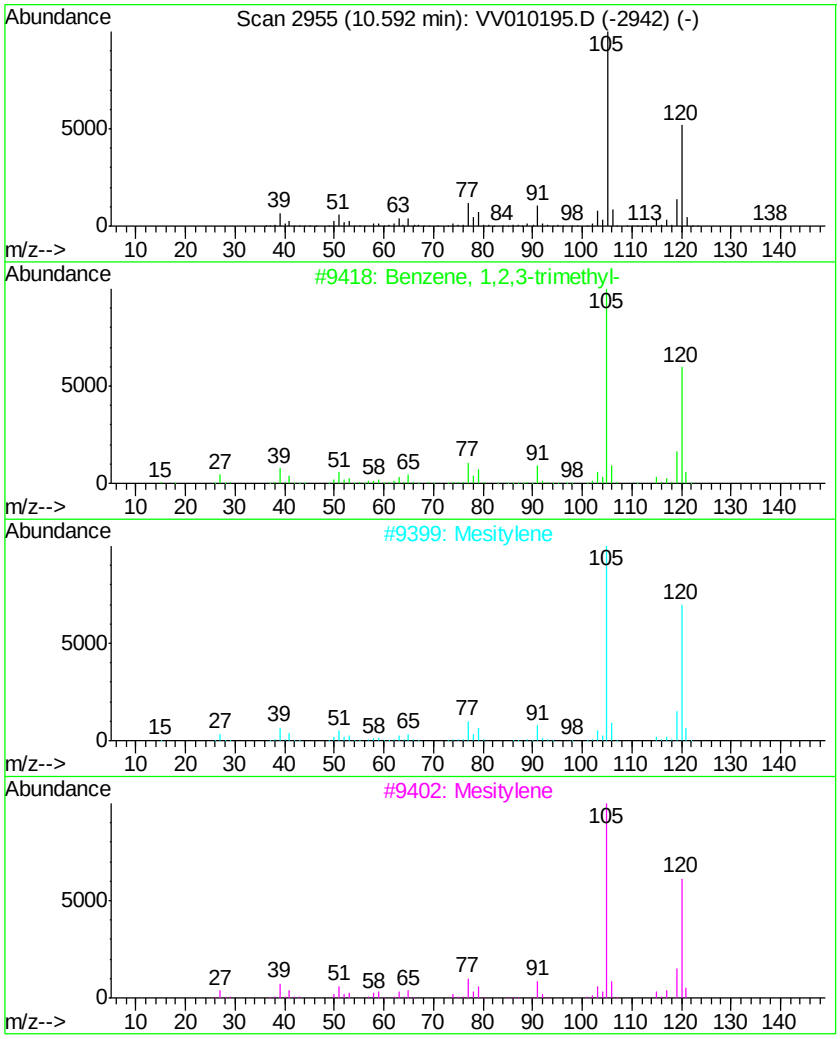
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

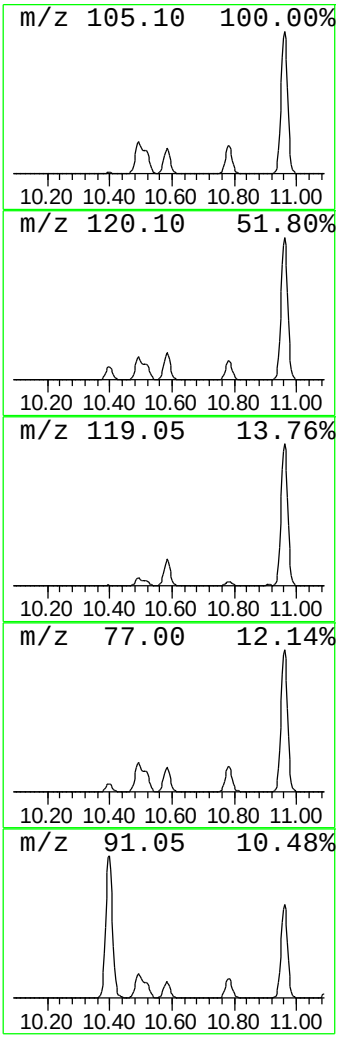
****

Peak Number 34 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	86.04 ug/L	2860080	1,4-Dichlorobenzene-d4	11.30

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

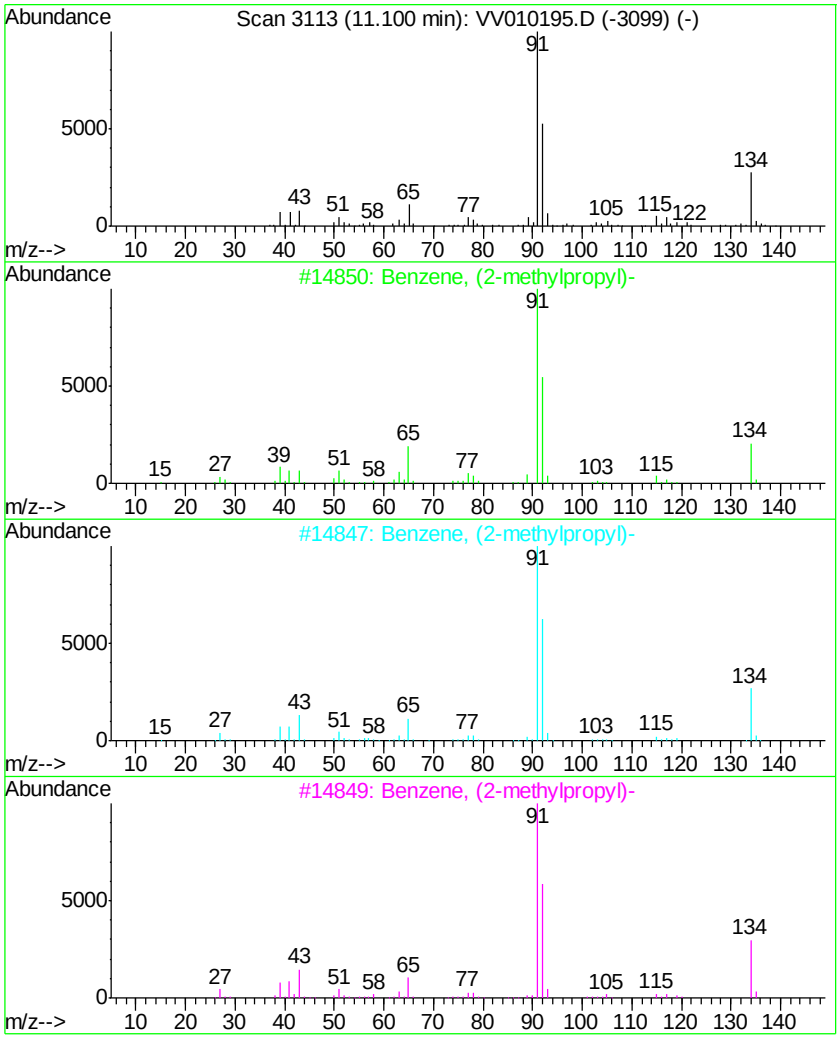
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

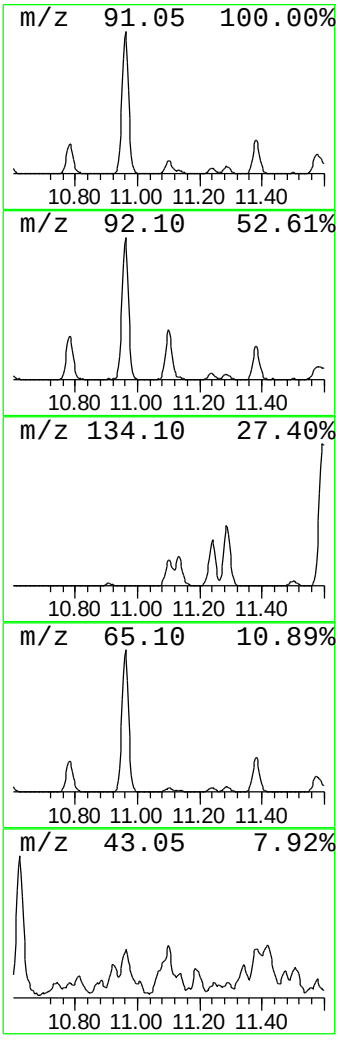
****

Peak Number 37 Benzene, (2-methylpropyl)- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.52 ug/L	183447	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Benzene, butyl-	134	C10H14	000104-51-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

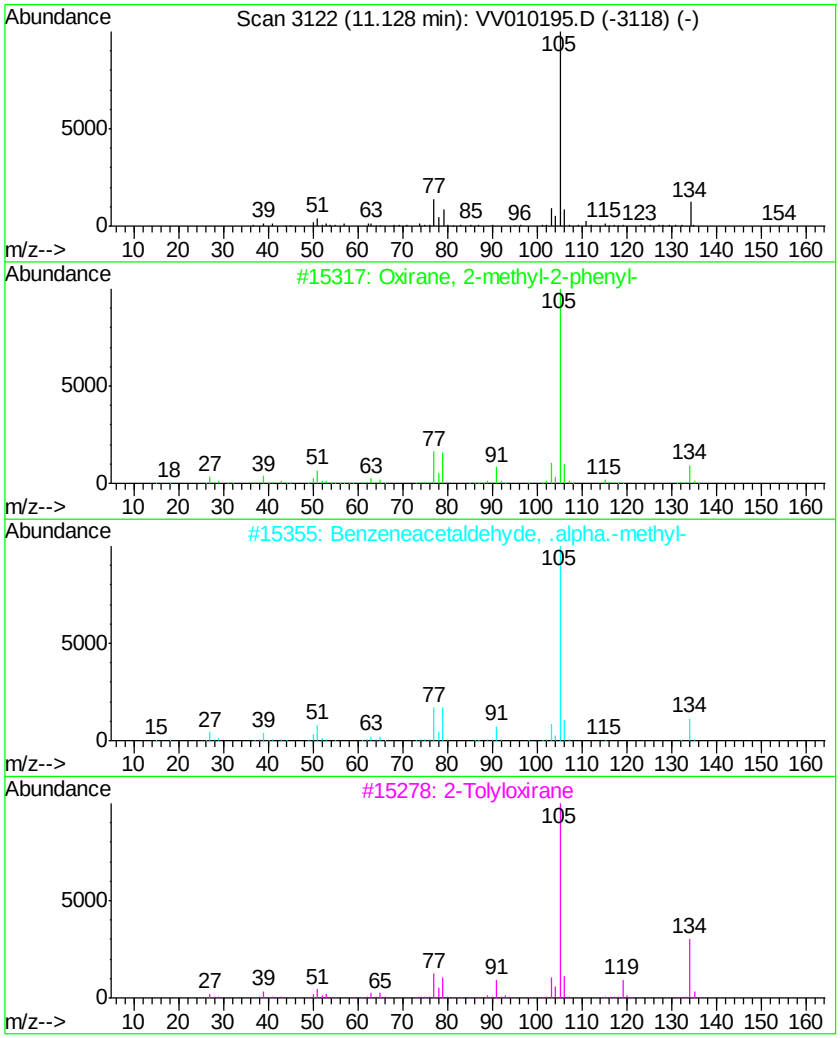
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

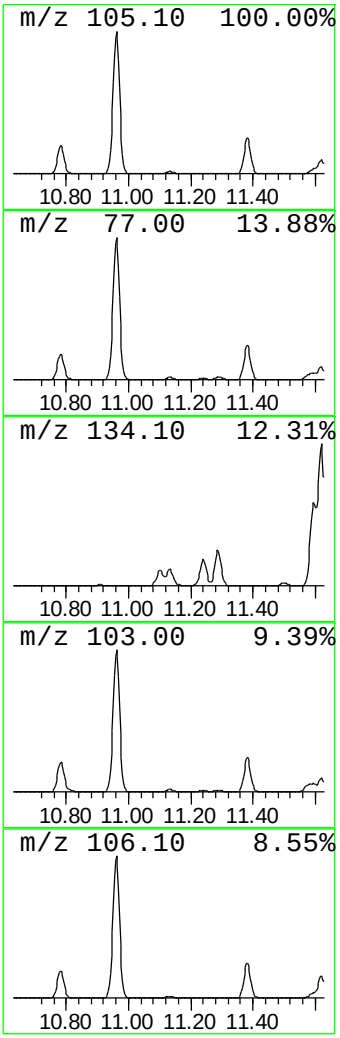
****

Peak Number 38 Oxirane, 2-methyl-2-phenyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	6.06 ug/L	201498	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	72
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
3	2-Tolyloxirane	134	C9H10O	002783-26-8	72
4	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	64
5	Benzene, (2-chloro-1-methylethyl)-	154	C9H11Cl	000824-47-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

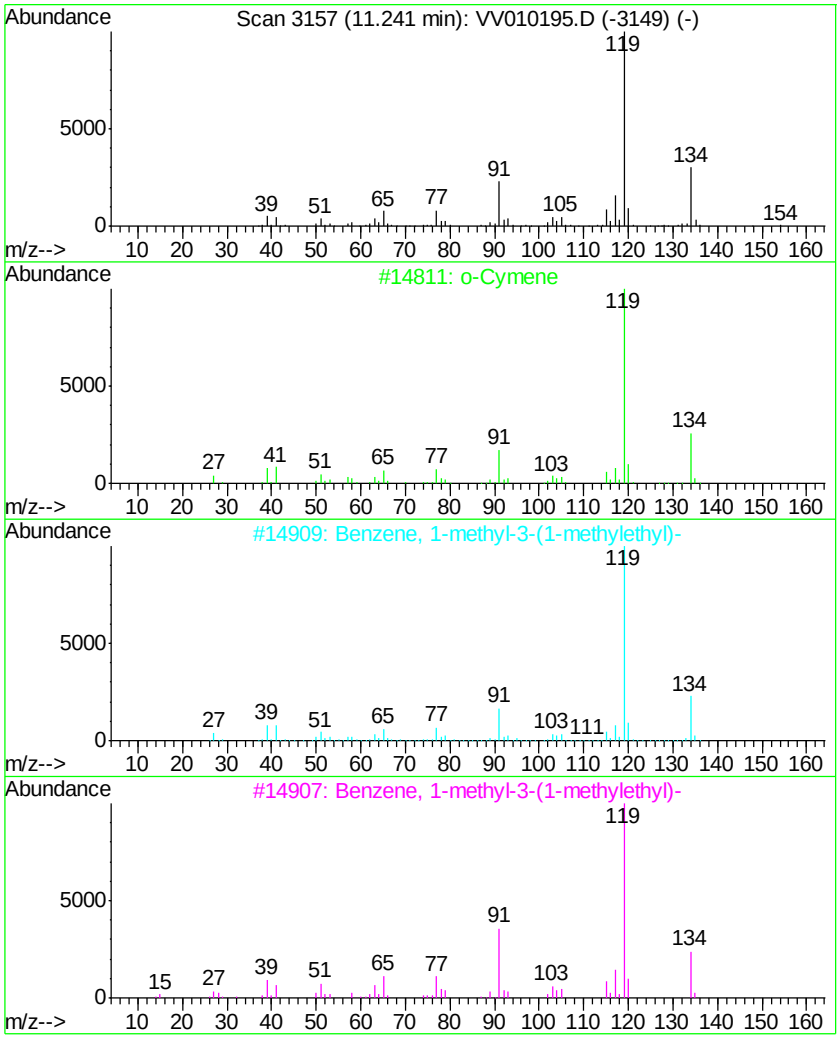
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

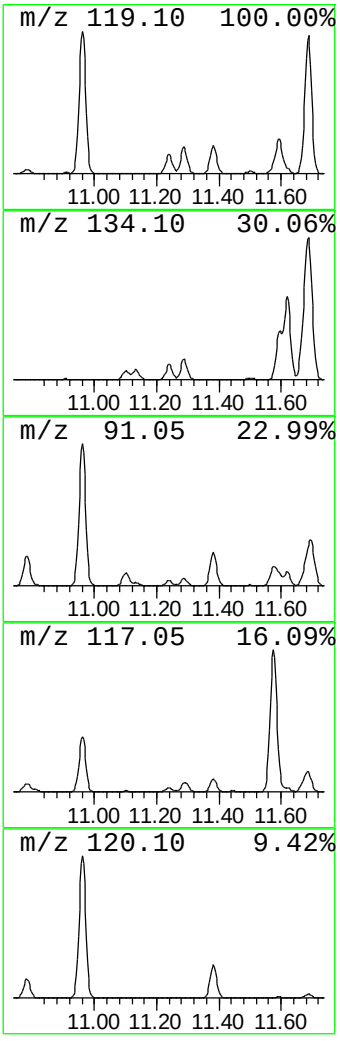
****

Peak Number 39 o-Cymene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	7.30 ug/L	242755	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	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	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

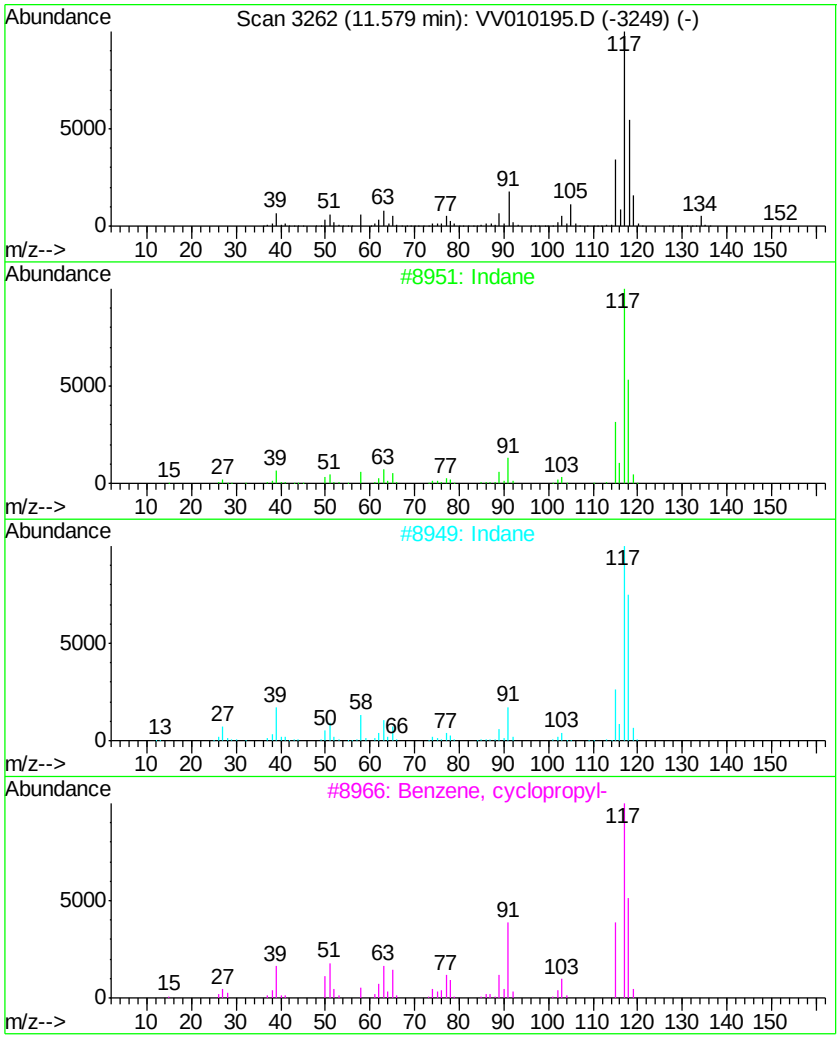
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

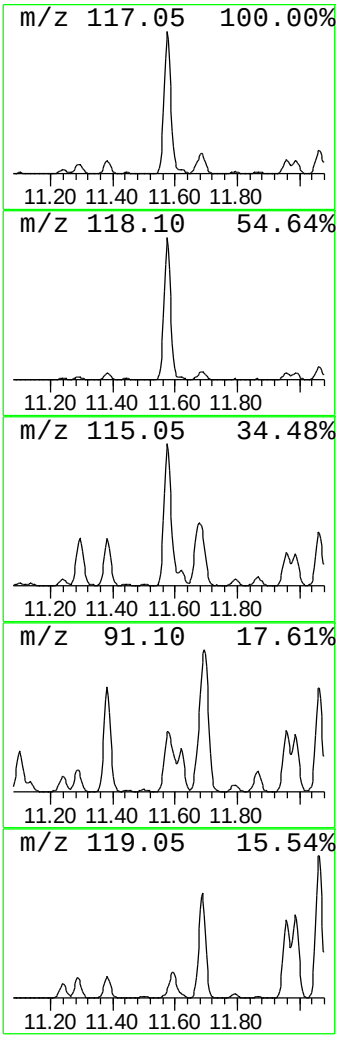
****

Peak Number 41 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	64.92 ug/L	2157950	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

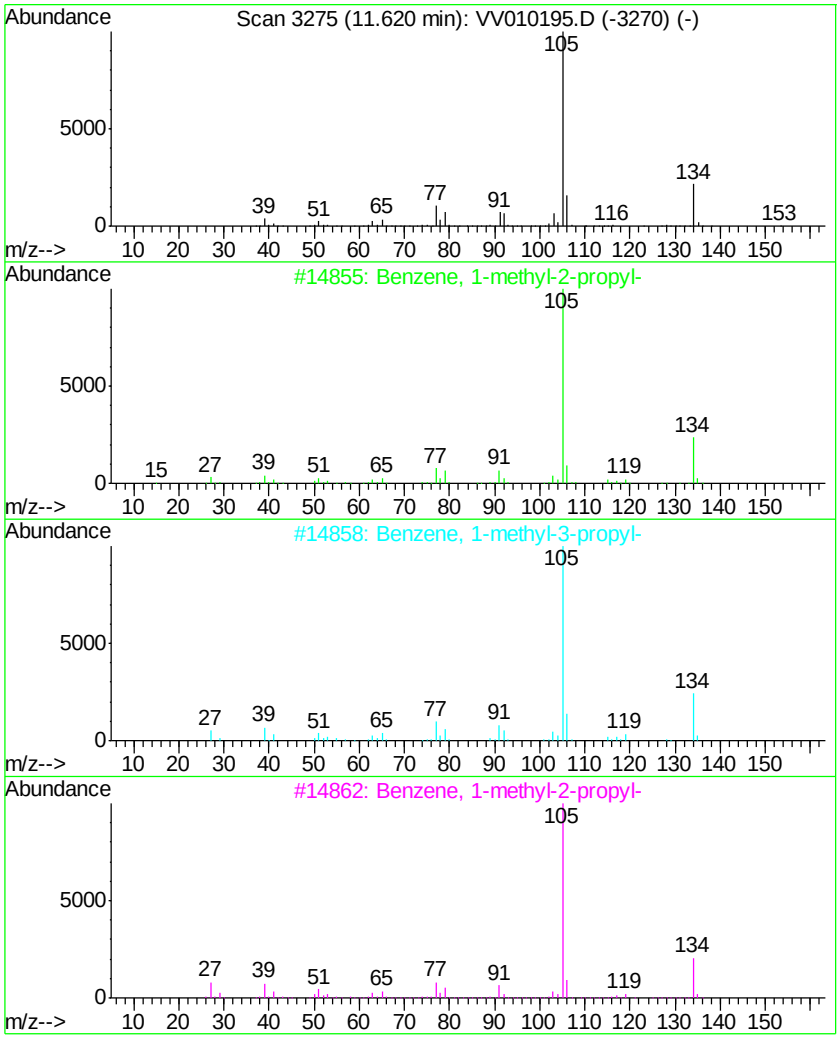
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

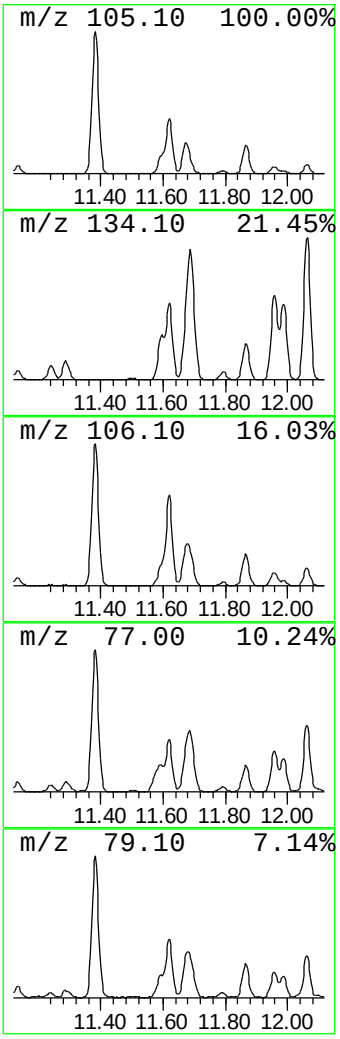
****

Peak Number 42 Benzene, 1-methyl-2-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	36.59 ug/L	1216350	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

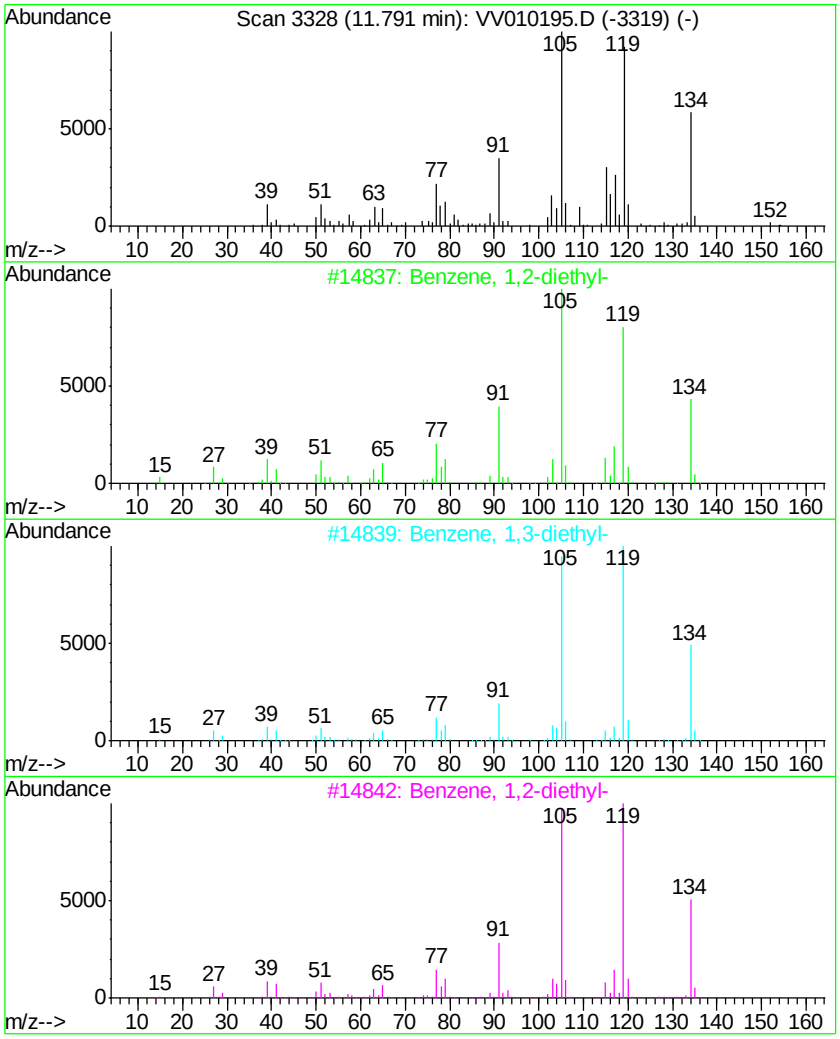
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

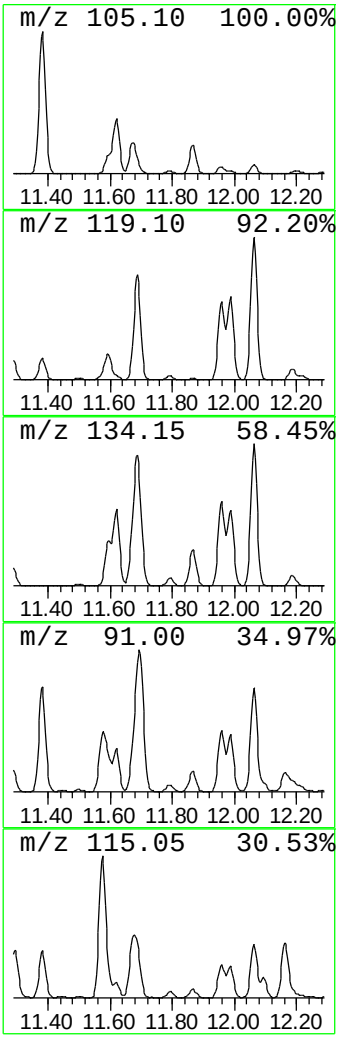
****

Peak Number 43 Benzene, 1,2-diethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.54 ug/L	150958	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	81
4	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	81
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

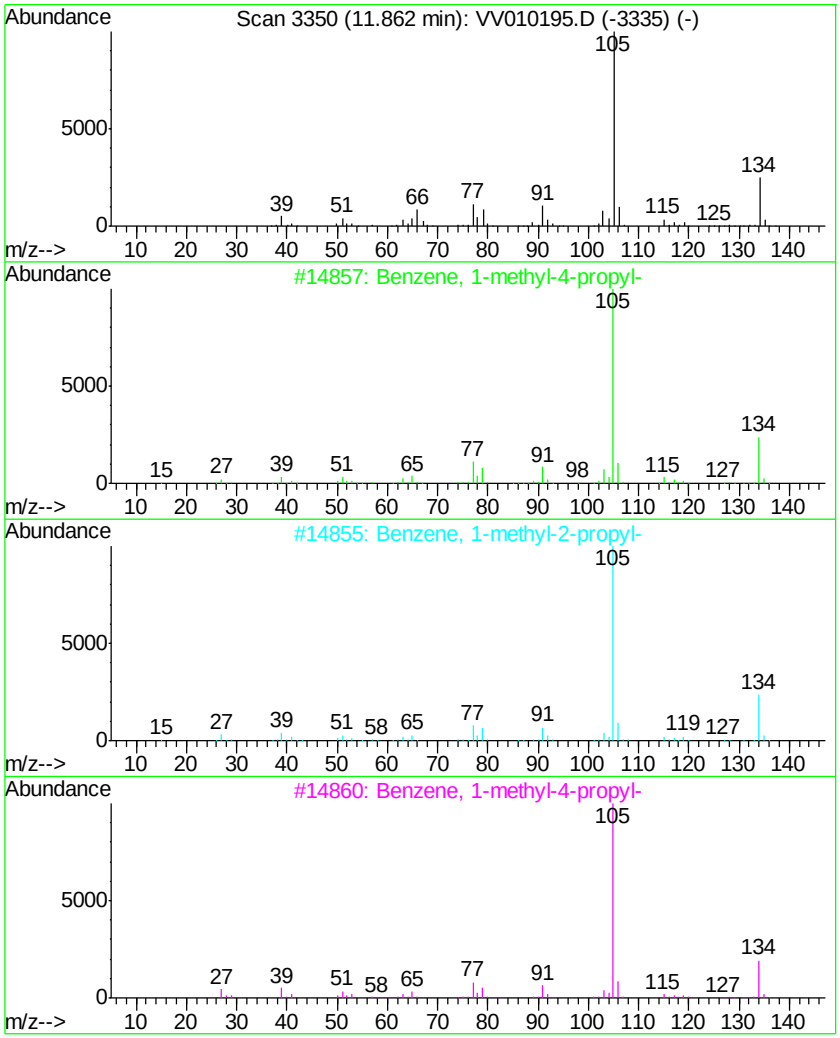
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

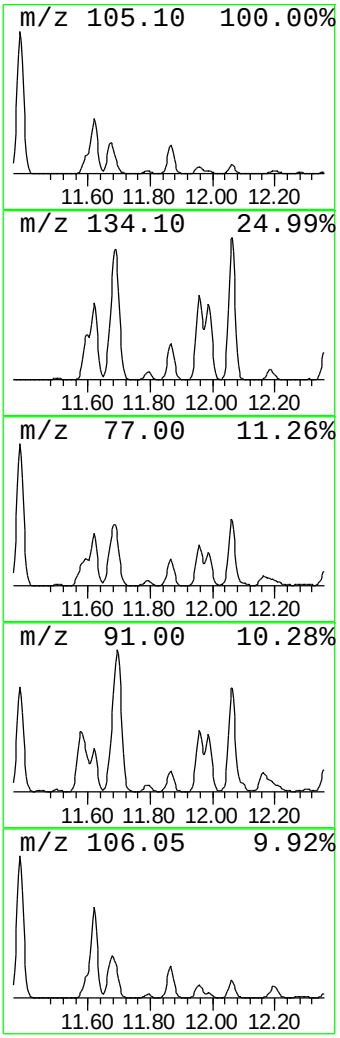
****

Peak Number 44 Benzene, 1-methyl-4-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	24.17 ug/L	803564	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

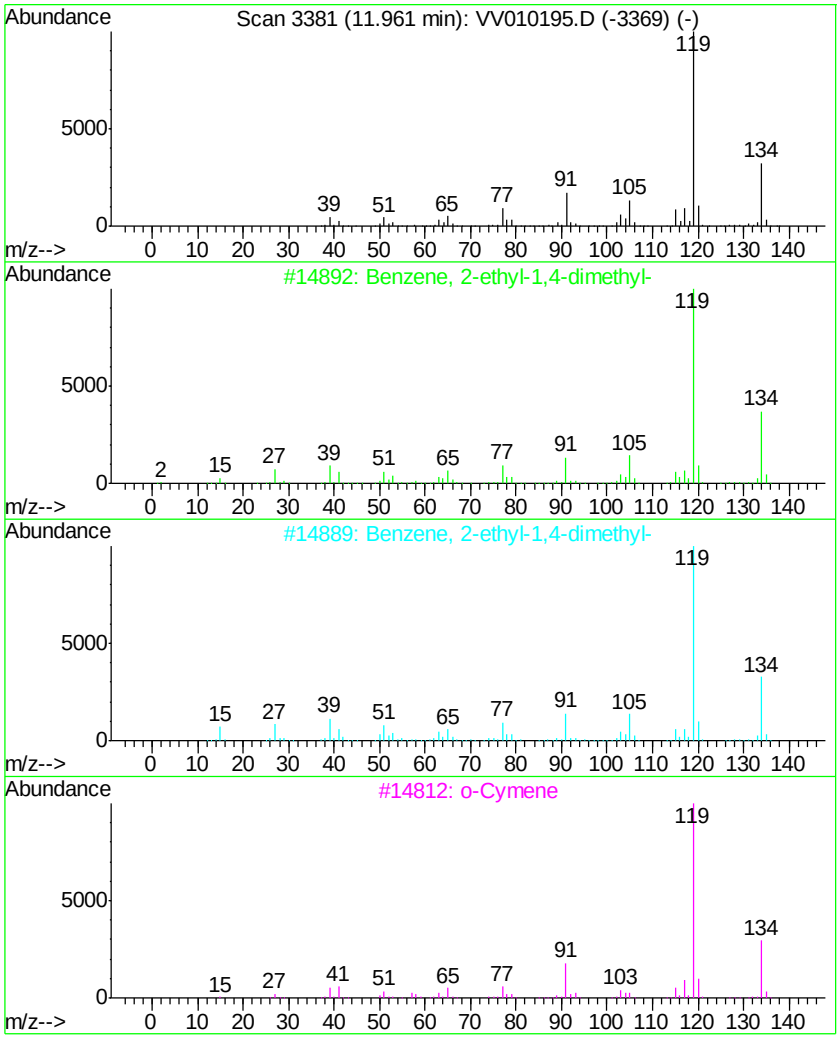
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

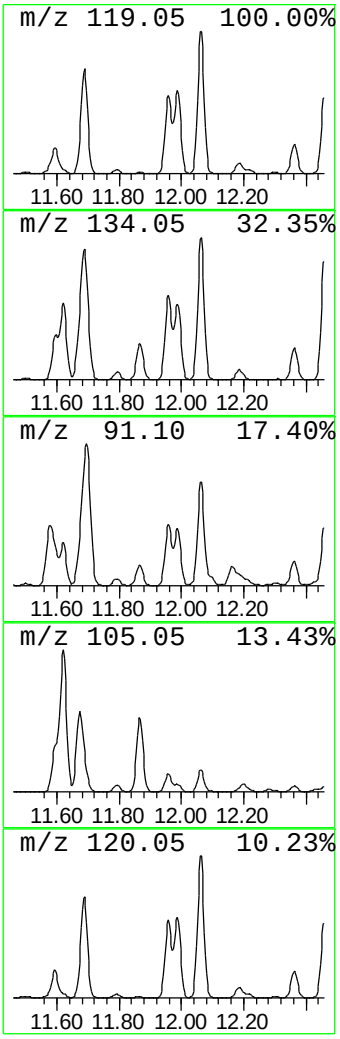
****

Peak Number 45 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	42.95 ug/L	1427590	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

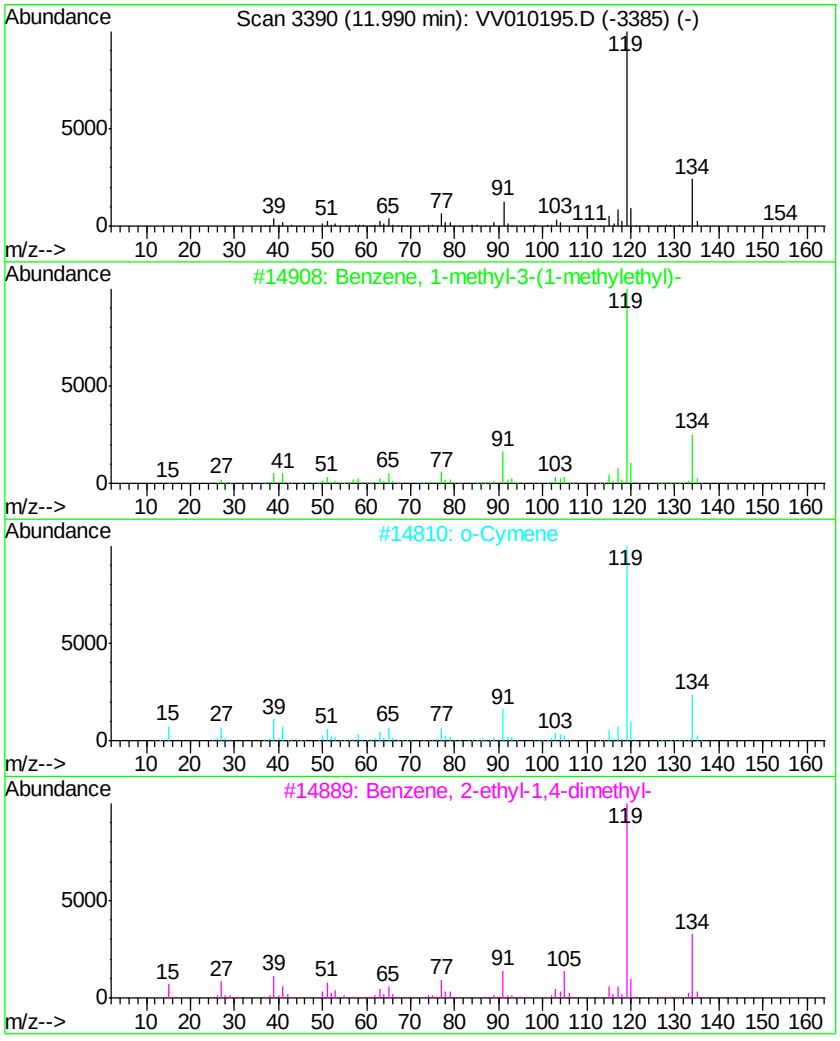
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

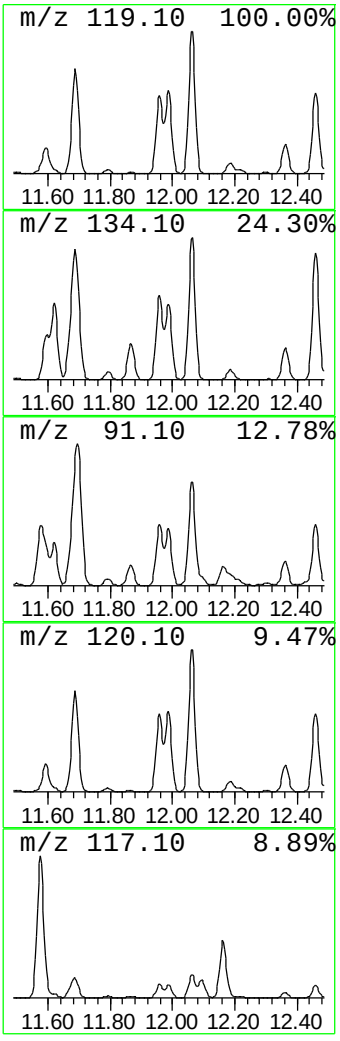
****

Peak Number 46 Benzene, 1-methyl-3-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	33.26 ug/L	1105720	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

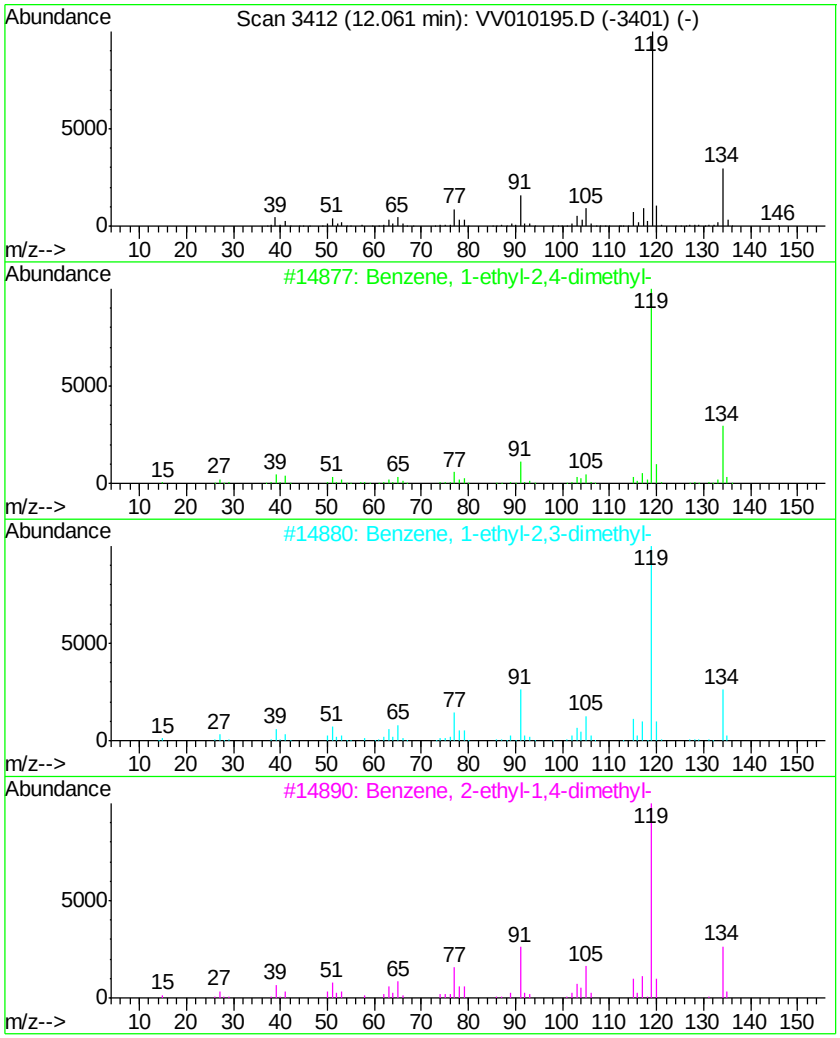
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

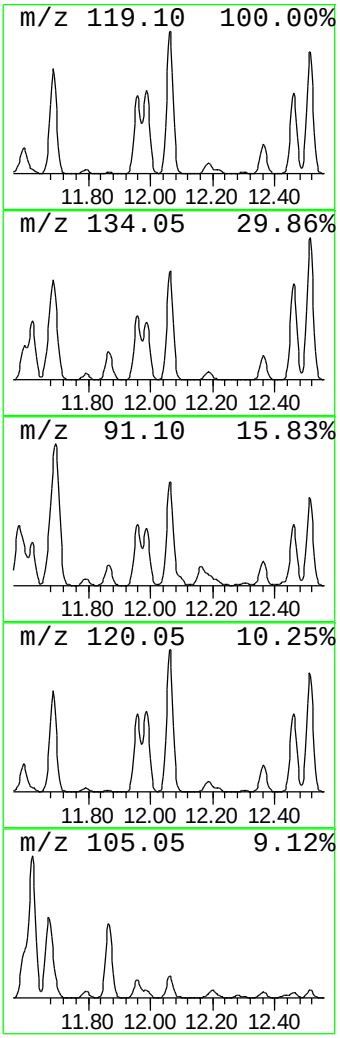
****

Peak Number 47 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	74.35 ug/L	2471340	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

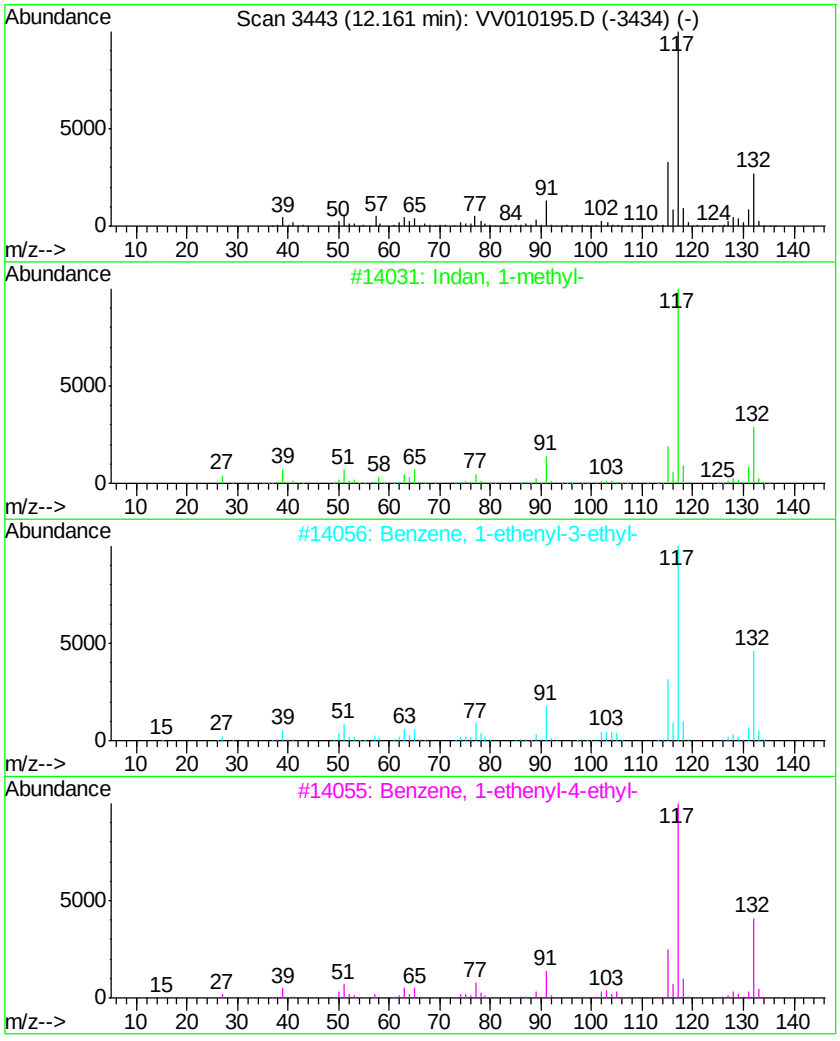
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

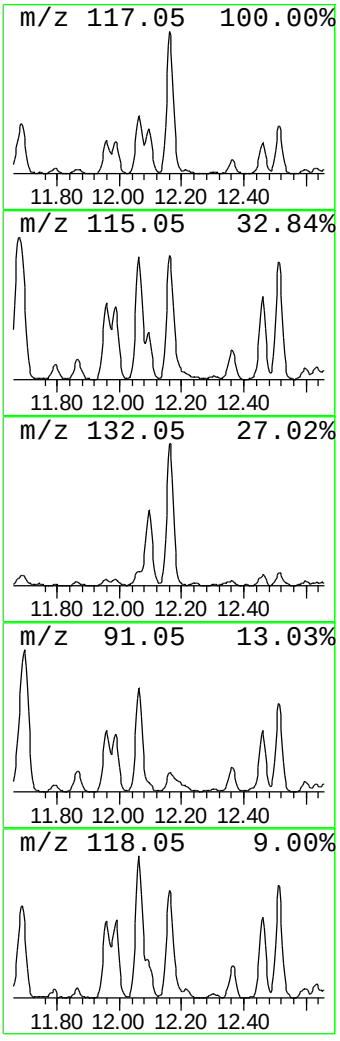
****

Peak Number 48 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	28.90 ug/L	960800	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-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

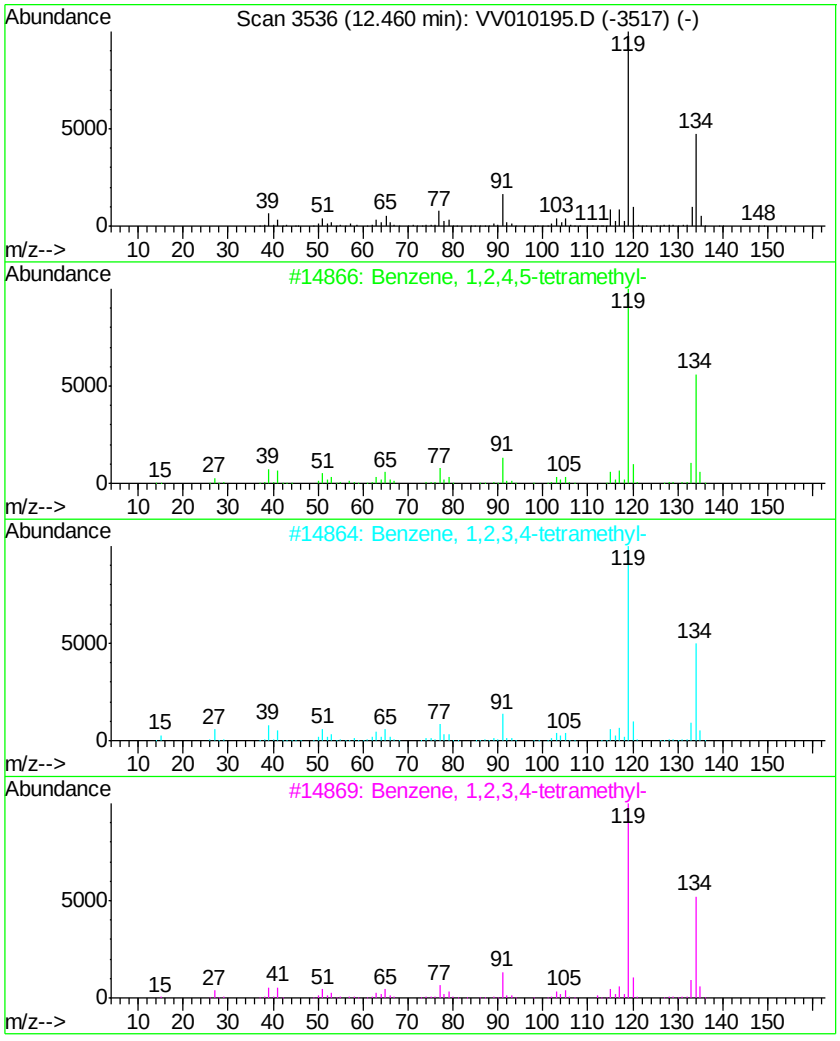
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

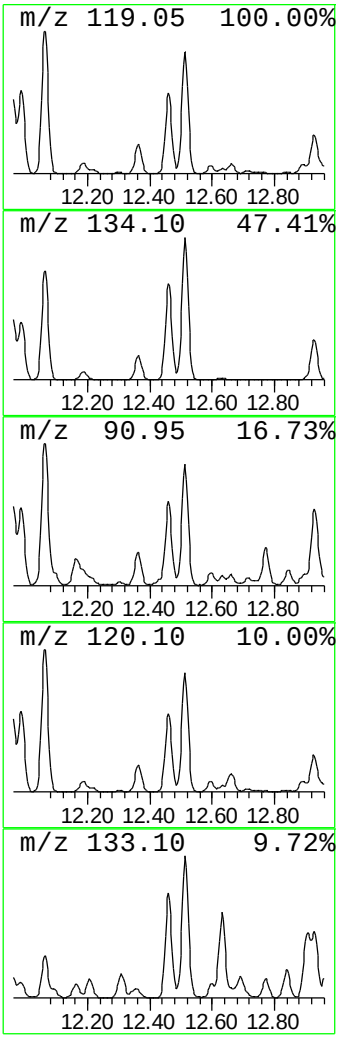
****

Peak Number 51 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	44.62 ug/L	1483260	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

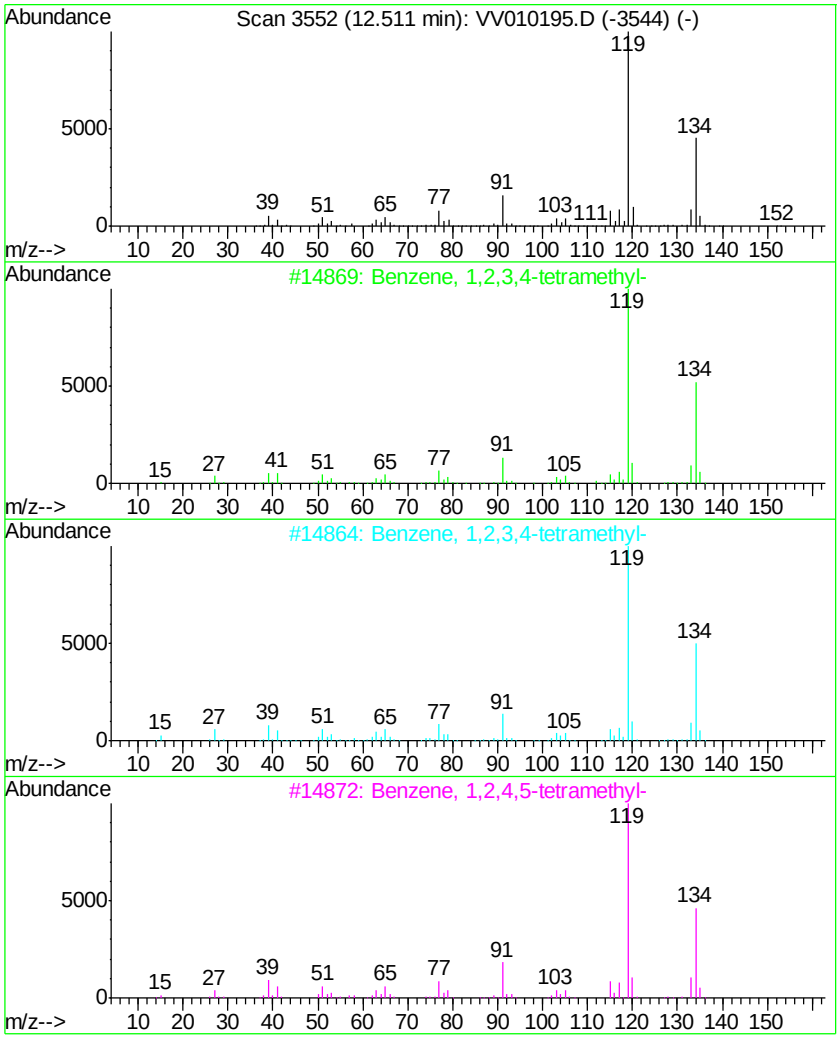
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

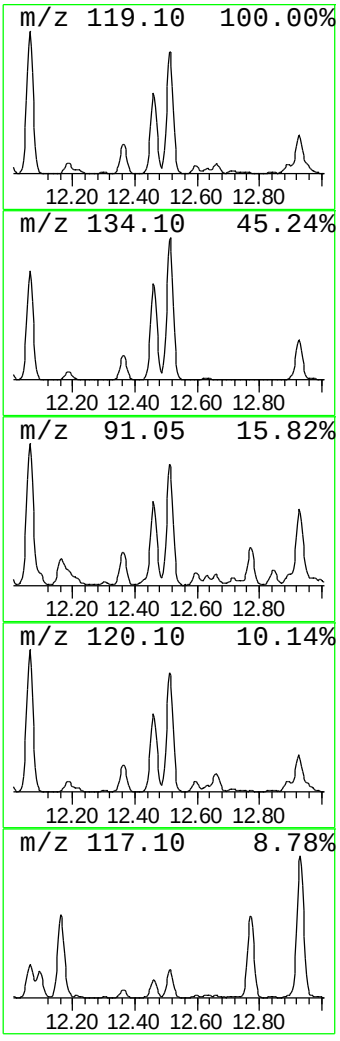
****

Peak Number 52 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	63.53 ug/L	2111580	1,4-Dichlorobenzene-d4	11.30

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

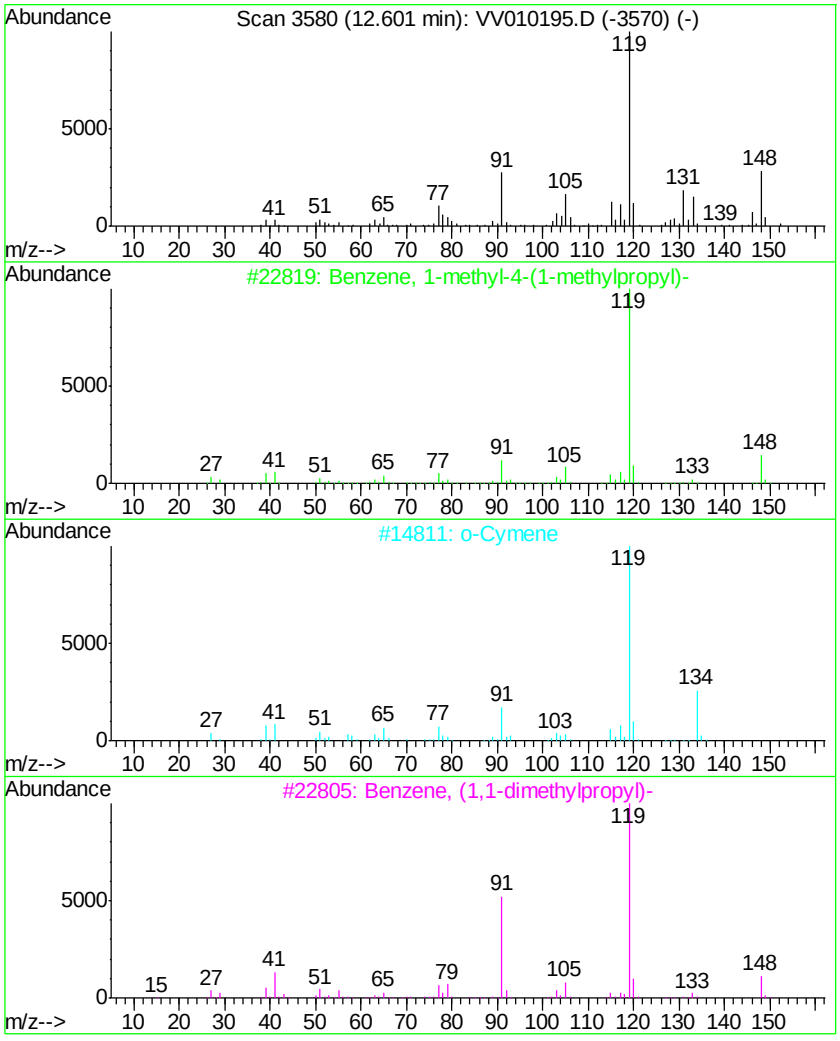
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

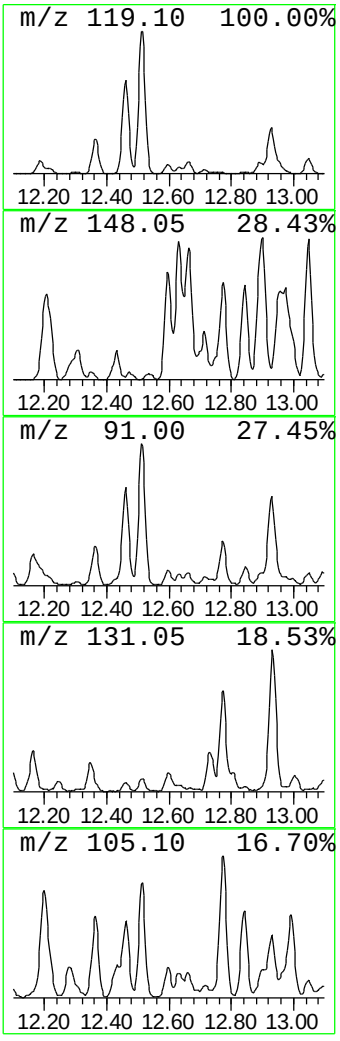
****

Peak Number 53 Benzene, 1-methyl-4-(1-meth... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	5.01 ug/L	166562	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	81
2	o-Cymene	134	C10H14	000527-84-4	64
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	59
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

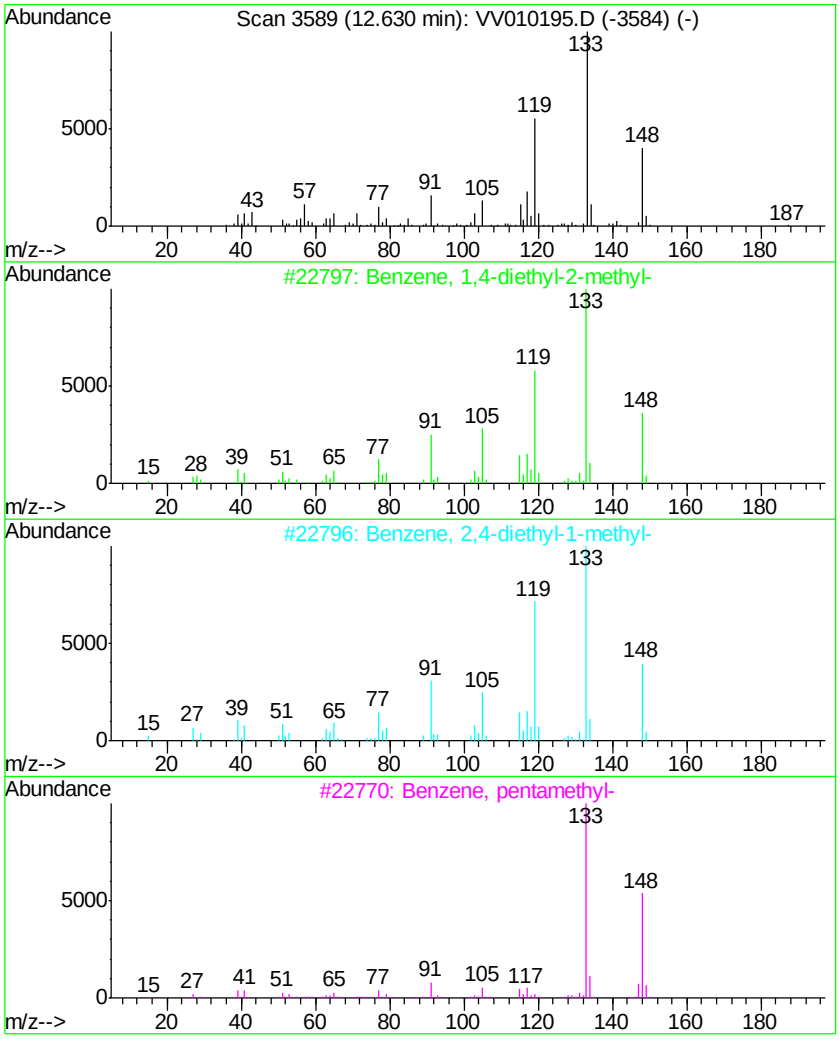
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

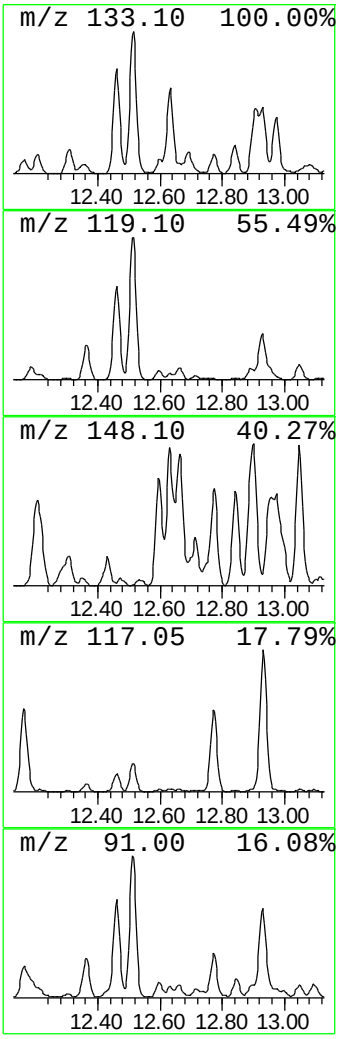
****

Peak Number 54 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.91 ug/L	96758	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	68
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

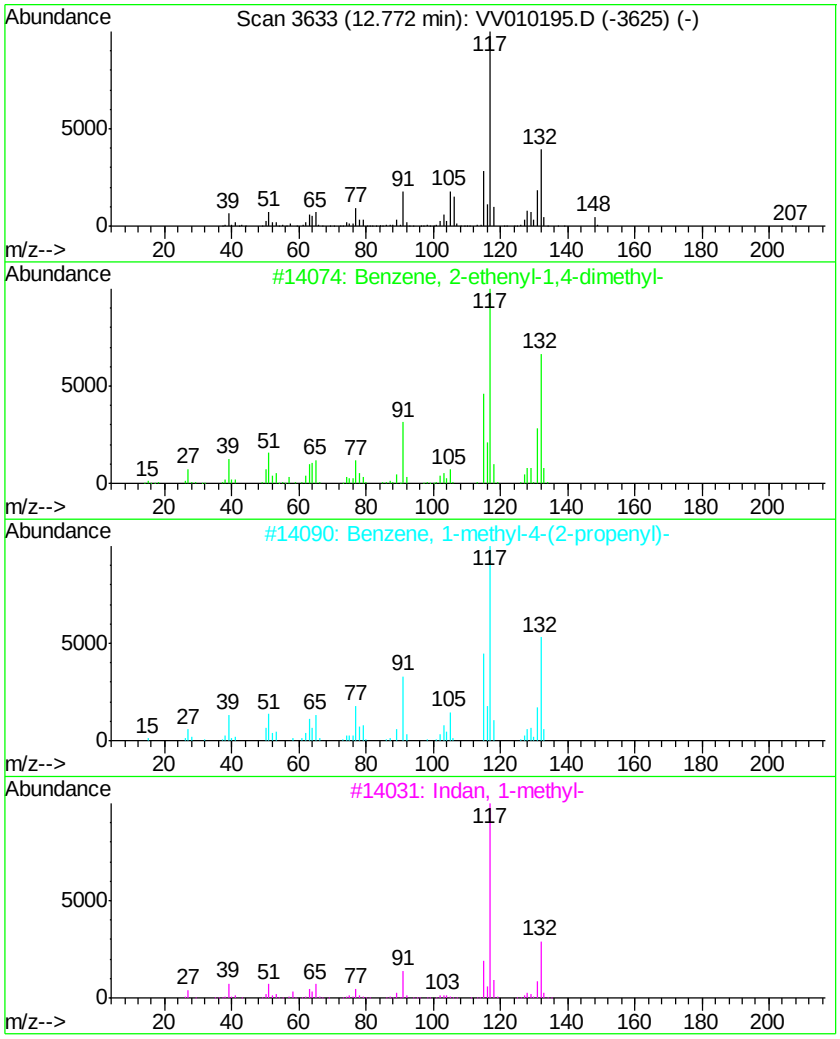
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

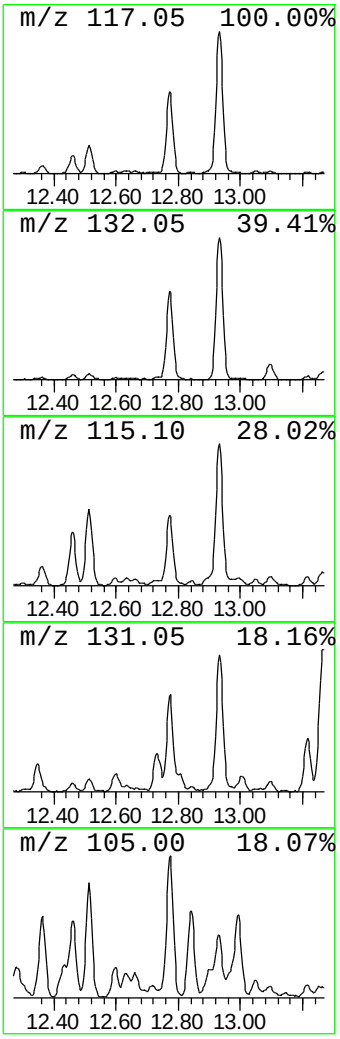
****

Peak Number 56 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	22.90 ug/L	761146	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
3	Indan, 1-methyl-	132	C10H12	000767-58-8	93
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

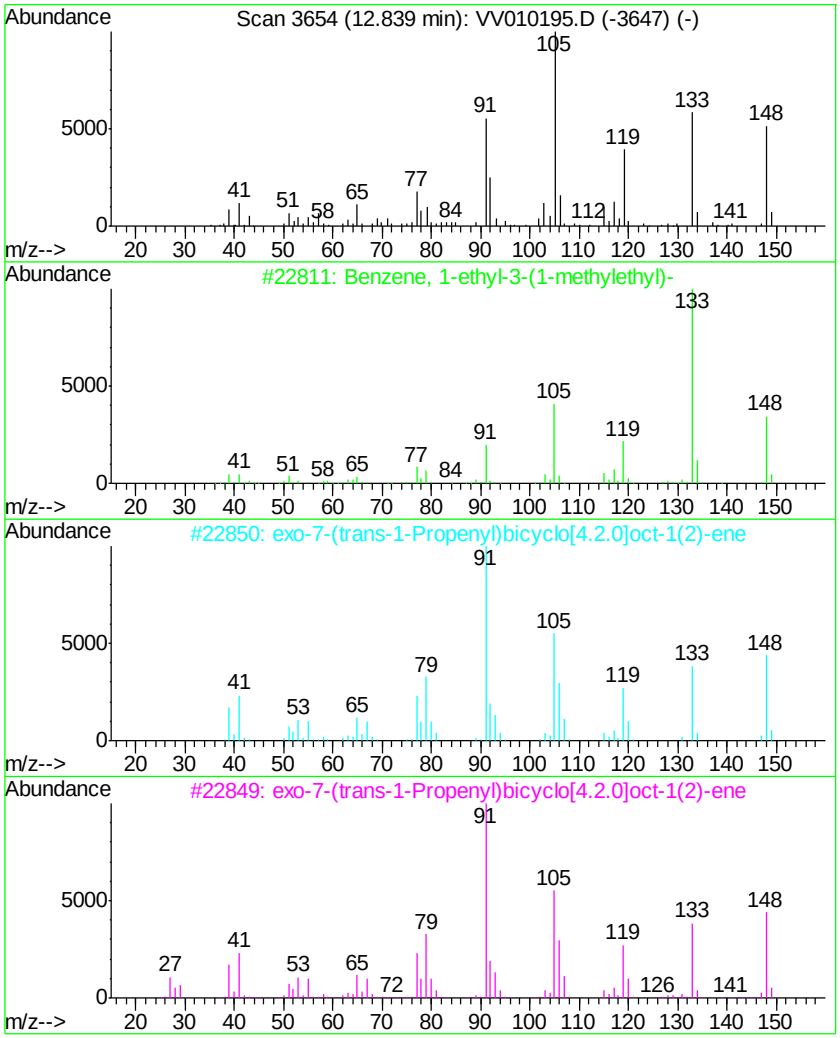
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

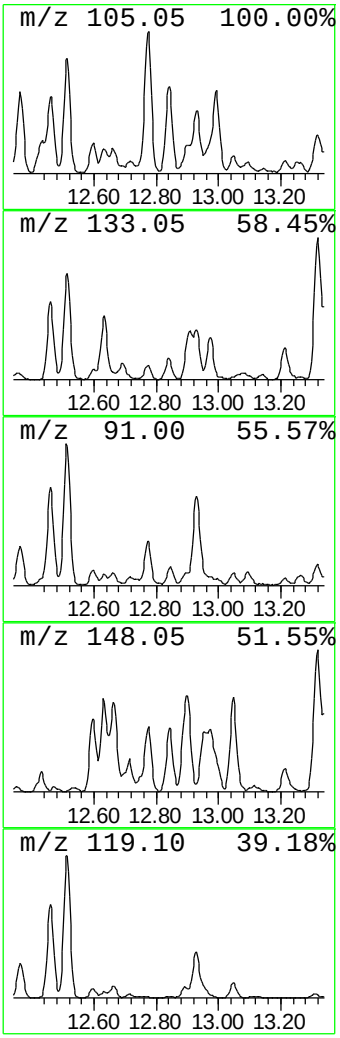
****

Peak Number 57 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	3.62 ug/L	120293	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	76
2	exo-7-(trans-1-Propenyl)bicyclo[...	148	C11H16	107983-42-6	72
3	exo-7-(trans-1-Propenyl)bicyclo[...	148	C11H16	107983-42-6	72
4	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	64
5	1H-Benzimidazole, 5-methoxy-	148	C8H8N2O	004887-80-3	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

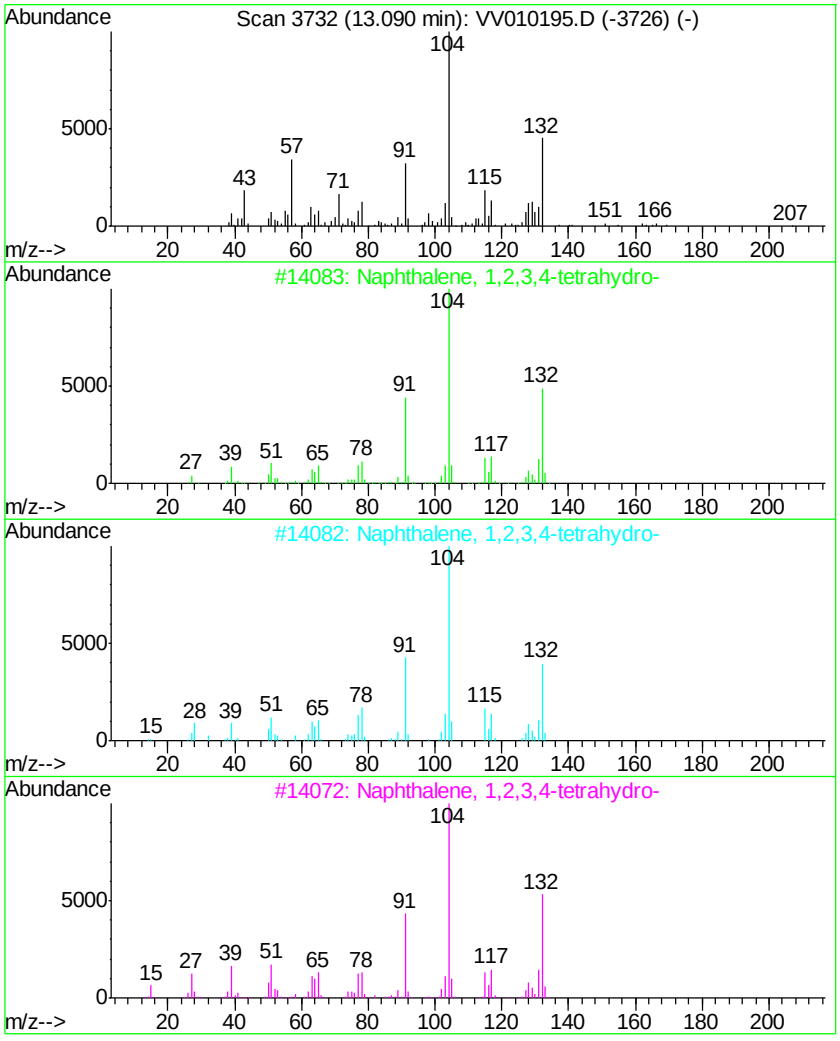
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

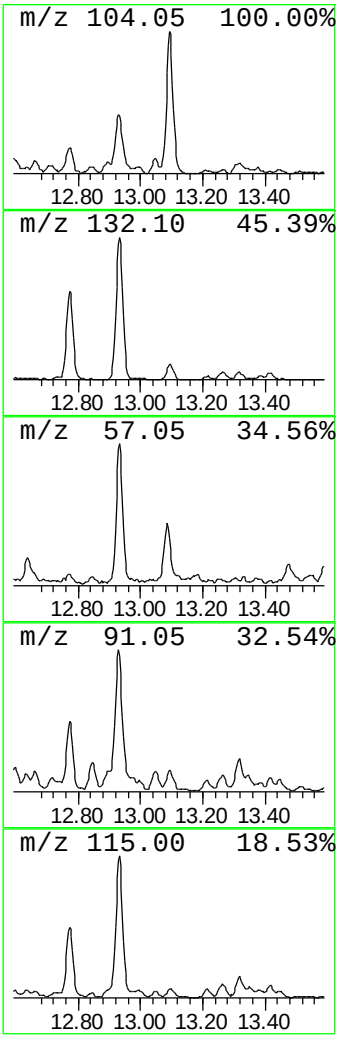
****

Peak Number 60 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	7.18 ug/L	238786	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
5	Indan, epoxide	132	C9H8O	000768-22-9	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

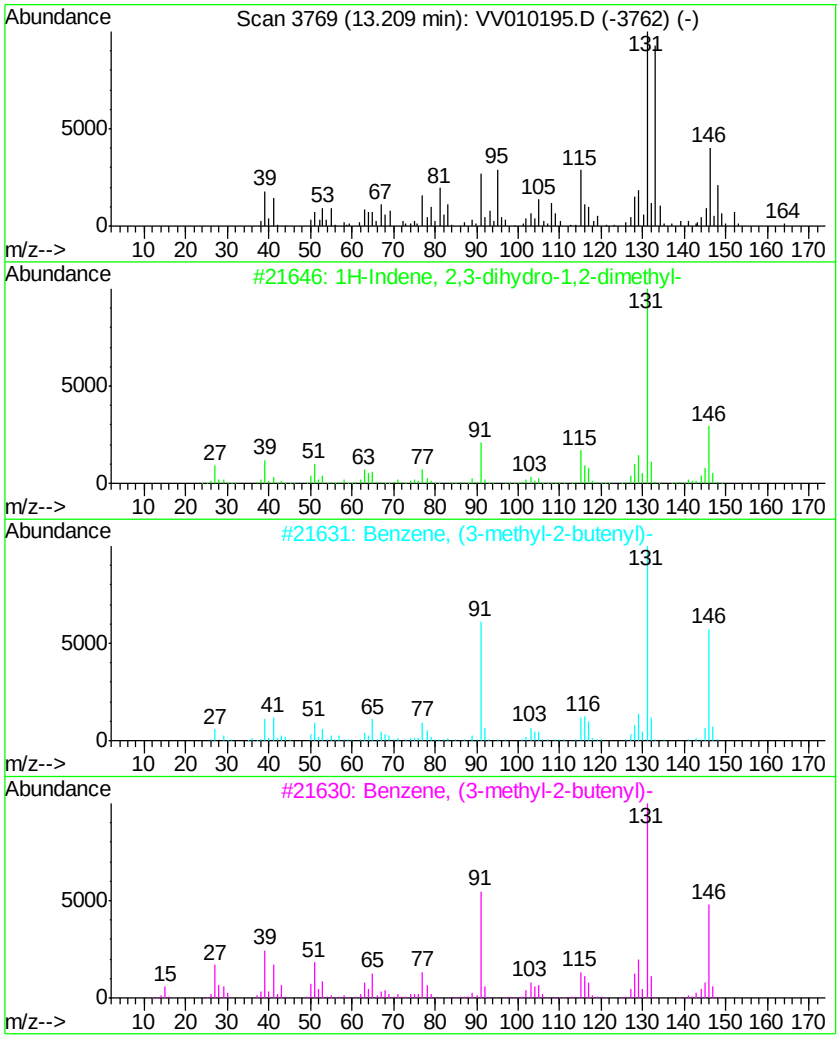
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

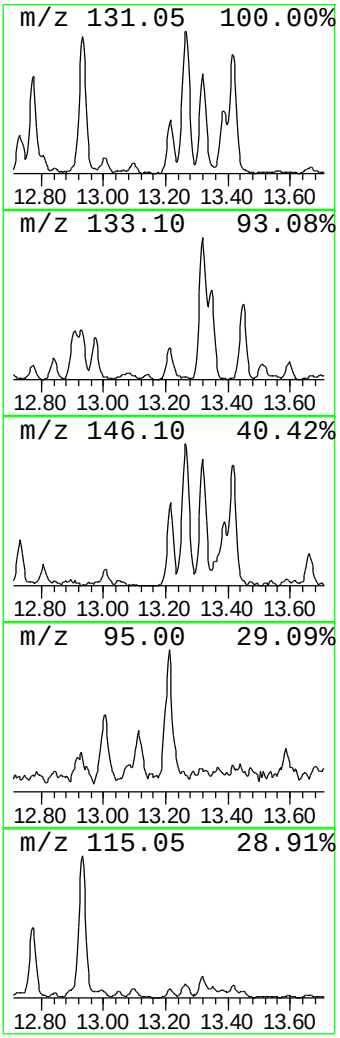
****

Peak Number 61 Benzene, (2-methyl-1-butenyl)- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	4.79 ug/L	159111	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	70
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

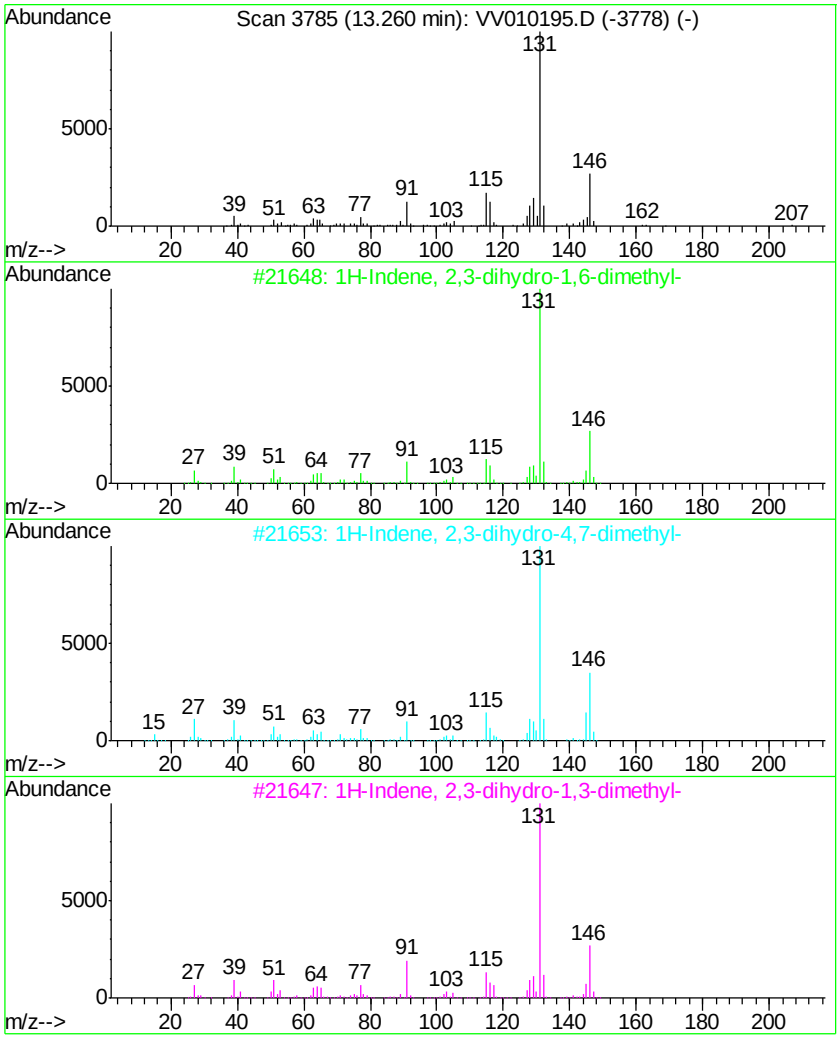
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

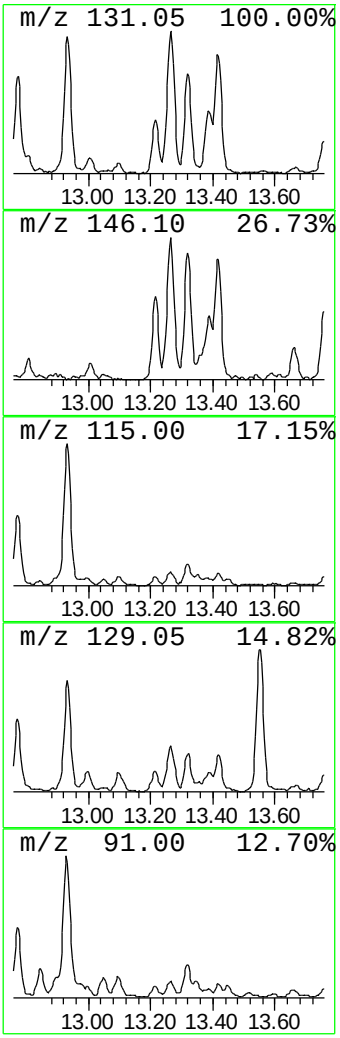
****

Peak Number 62 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.86 ug/L	161674	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
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\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

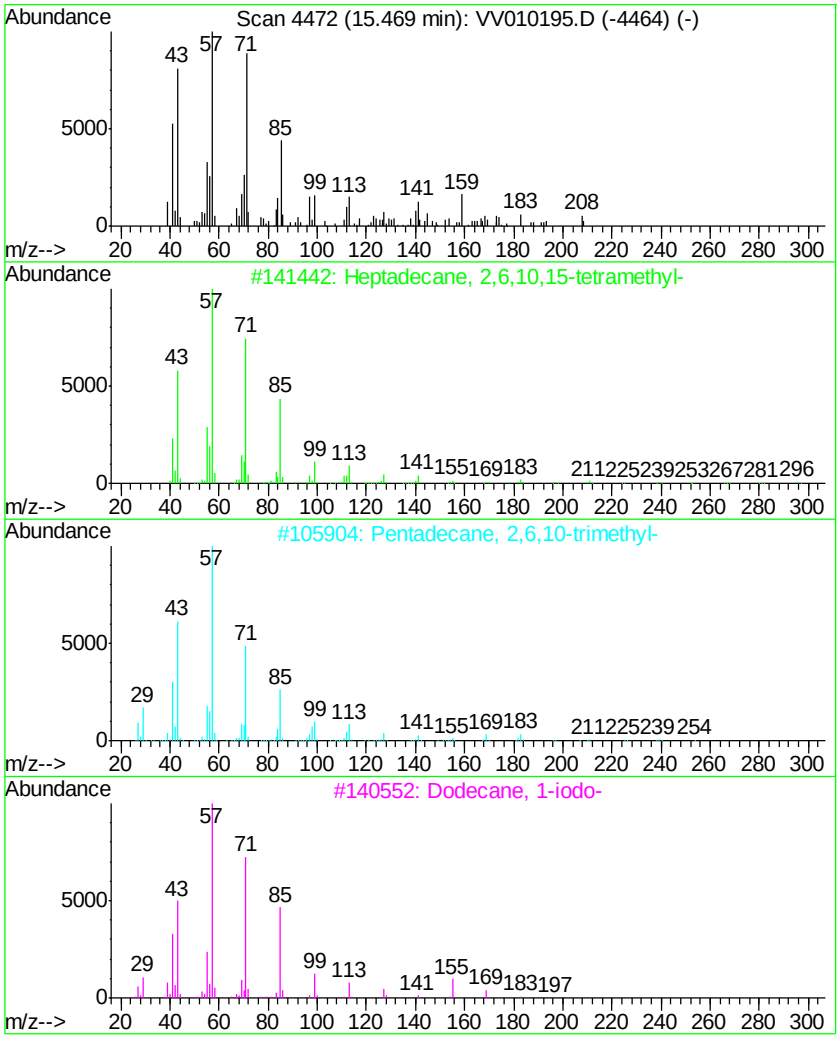
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

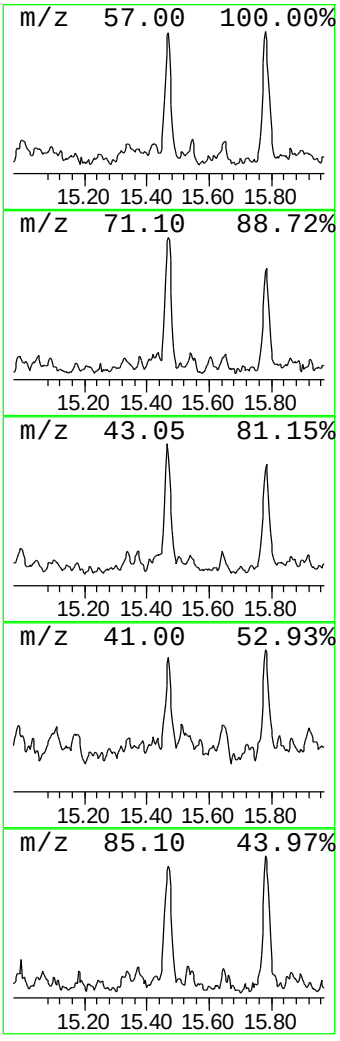
****

Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	2.01 ug/L	66947	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58
4	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	53
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010195.D
Acq On : 09 Apr 2019 01:03
Operator : SY/MD
Sample : K2254-07
Misc : 6.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.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...	1.63	10.2	ug/L	279858	1	5.66	685562	25.0
(DEL) Alkane: Str...	1.81	8.9	ug/L	243453	1	5.66	685562	25.0
(DEL) Alkane: Cyc...	2.59	4.5	ug/L	122605	1	5.66	685562	25.0
(DEL) Alkane: Str...	3.06	17.6	ug/L	483847	1	5.66	685562	25.0
(DEL) Alkane: Cyc...	3.30	3.5	ug/L	94969	1	5.66	685562	25.0
(DEL) Alkane: Str...	3.70	2.8	ug/L	75867	1	5.66	685562	25.0
(DEL) Alkane: Cyc...	3.80	20.5	ug/L	562830	1	5.66	685562	25.0
(DEL) Alkane: Str...	4.80	9.9	ug/L	270929	1	5.66	685562	25.0
(DEL) Alkane: Str...	4.95	20.7	ug/L	567726	1	5.66	685562	25.0
(DEL) Alkane: Cyc...	5.22	6.5	ug/L	179279	1	5.66	685562	25.0
(DEL) Alkane: Str...	5.28	11.1	ug/L	303397	1	5.66	685562	25.0
(DEL) Alkane: Str...	5.53	15.0	ug/L	411868	1	5.66	685562	25.0
Cyclobutane, (1-m...	5.98	4.2	ug/L	114314	1	5.66	685562	25.0
(DEL) Alkane: Str...	6.30	3.1	ug/L	84086	1	5.66	685562	25.0
Propane, 2-methyl...	6.43	13.5	ug/L	370118	1	5.66	685562	25.0
(DEL) Alkane: Cyc...	6.50	2.7	ug/L	75064	1	5.66	685562	25.0
Cyclohexene, 4-me...	6.61	2.5	ug/L	68691	1	5.66	685562	25.0
(DEL) Alkane: Str...	6.69	9.2	ug/L	251053	1	5.66	685562	25.0
(DEL) Alkane: Str...	6.82	15.2	ug/L	416682	1	5.66	685562	25.0
(DEL) Alkane: Str...	6.96	5.8	ug/L	158684	1	5.66	685562	25.0
unknown-01	7.00	2.7	ug/L	74934	1	5.66	685562	25.0
(DEL) Alkane: Str...	7.12	8.0	ug/L	218631	1	5.66	685562	25.0
Cyclohexene, 1-me...	7.21	3.5	ug/L	95608	1	5.66	685562	25.0
(DEL) Alkane: Str...	7.61	7.0	ug/L	203428	2	8.89	728940	25.0
(DEL) Alkane: Cyc...	7.83	2.3	ug/L	67427	2	8.89	728940	25.0
(DEL) Alkane: Cyc...	8.27	3.8	ug/L	111107	2	8.89	728940	25.0
Hexyl octyl ether	8.71	4.0	ug/L	115353	2	8.89	728940	25.0
(DEL) Alkane: Str...	8.83	3.3	ug/L	97091	2	8.89	728940	25.0
(DEL) Alkane: Str...	9.24	6.1	ug/L	178048	2	8.89	728940	25.0
unknown-02	10.16	1.8	ug/L	60826	3	11.30	831001	25.0
Benzene, propyl-	10.40	57.5	ug/L	1909630	3	11.30	831001	25.0
Benzene, 1-ethyl-...	10.49	98.3	ug/L	3266220	3	11.30	831001	25.0
Benzene, 1,2,3-tr...	10.59	86.0	ug/L	2860080	3	11.30	831001	25.0
Benzene, (2-methy...	11.10	5.5	ug/L	183447	3	11.30	831001	25.0
Oxirane, 2-methyl...	11.13	6.1	ug/L	201498	3	11.30	831001	25.0
o-Cymene	11.24	7.3	ug/L	242755	3	11.30	831001	25.0
Indane	11.58	64.9	ug/L	2157950	3	11.30	831001	25.0
Benzene, 1-methyl...	11.62	36.6	ug/L	1216350	3	11.30	831001	25.0
Benzene, 1,2-diet...	11.79	4.5	ug/L	150958	3	11.30	831001	25.0
Benzene, 1-methyl...	11.86	24.2	ug/L	803564	3	11.30	831001	25.0
Benzene, 2-ethyl-...	11.96	43.0	ug/L	1427590	3	11.30	831001	25.0
Benzene, 1-methyl...	11.99	33.3	ug/L	1105720	3	11.30	831001	25.0
Benzene, 1-ethyl-...	12.06	74.3	ug/L	2471340	3	11.30	831001	25.0
Indan, 1-methyl-	12.16	28.9	ug/L	960800	3	11.30	831001	25.0
Benzene, 1,2,4,5-...	12.46	44.6	ug/L	1483260	3	11.30	831001	25.0
Benzene, 1,2,3,4-...	12.51	63.5	ug/L	2111580	3	11.30	831001	25.0
Benzene, 1-methyl...	12.60	5.0	ug/L	166562	3	11.30	831001	25.0
Benzene, 1,4-diet...	12.63	2.9	ug/L	96758	3	11.30	831001	25.0
Benzene, 2-etheny...	12.77	22.9	ug/L	761146	3	11.30	831001	25.0

Benzene, 1-ethyl-...	12.84	3.6	ug/L	120293	3	11.30	831001	25.0
Naphthalene, 1,2,...	13.09	7.2	ug/L	238786	3	11.30	831001	25.0
Benzene, (2-methy...	13.21	4.8	ug/L	159111	3	11.30	831001	25.0
1H-Indene, 2,3-di...	13.26	4.9	ug/L	161674	3	11.30	831001	25.0
(DEL) Alkane: Str...	15.47	2.0	ug/L	66947	3	11.30	831001	25.0

Instrument :
MSVOA_V
ClientSampleId :