LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

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\SOM2VLM052019S.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	1.116	5	8	18	rVB2	28465	26931	0.08%	0.067%
2	1.184	25	29	33	rBV	11187	11735	0.04%	0.029%
3	1.315	63	70	80	rVB	71081	73727	0.23%	0.182%
4	1.389	88	93	100	rVB	15771	15006	0.05%	0.037%
5	1.566	142	148	162	rVB	39611	47469	0.15%	0.117%
6	2.039	291	295	296	rBV3	1110	772	0.00%	0.002%
7	2.123	310	321	334	rBV	108787	155678	0.48%	0.385%
8	2.190	334	342	351	rVB2	6215	9071	0.03%	0.022%
9	2.309	363	379	391	rBV2	18518	29878	0.09%	0.074%
10	2.444	418	421	423	rBV2	620	484	0.00%	0.001%
11	2.531	439	448	459	rVB2	5741	9174	0.03%	0.023%
12	2.679	490	494	505	rVB2	713	962	0.00%	0.002%
13	2.788	521	528	534	rBV5	1331	1966	0.01%	0.005%
14	3.061	606	613	623	rVB6	1565	2909	0.01%	0.007%
15	3.737	810	823	842	rBV3	3388	9146	0.03%	0.023%
16	3.955	874	891	925	rBV	379376	924609	2.86%	2.285%
17	4.396	1012	1028	1050	rBV	75830	185786	0.57%	0.459%
18	4.524	1063	1068	1069	rBV3	924	773	0.00%	0.002%
19	4.653	1093	1108	1127	rVB3	26143	61919	0.19%	0.153%
20	4.946	1193	1199	1202	rBV3	479	536	0.00%	0.001%
21	5.090	1227	1244	1268	rBV2	186229	454254	1.40%	1.123%
22	5.274	1299	1301	1309	rVB4	599	620	0.00%	0.002%
23	5.383	1332	1335	1339	rVV2	479	438	0.00%	0.001%
24	5.534	1373	1382	1390	rBV5	1107	2039	0.01%	0.005%
25	5.659	1408	1421	1442	rBV	168748	340196	1.05%	0.841%
26	5.965	1485	1516	1530	rBV	14394157	32347386	100.00%	79.937%
27	6.238	1590	1601	1615	rVB	84741	170436	0.53%	0.421%
28	6.441	1652	1664	1675	rVB6	8365	18701	0.06%	0.046%
29	6.679	1733	1738	1740	rBV2	804	858	0.00%	0.002%
30	6.695	1740	1743	1744	rBV2	901	492	0.00%	0.001%
31	6.884	1793	1802	1816	rBV5	7828	15642	0.05%	0.039%
32	6.958	1816	1825	1834	rBV5	4373	9222	0.03%	0.023%
33	7.026	1836	1846	1859	rVB	55196	94020	0.29%	0.232%
34	7.119	1867	1875	1886	rVB6	4385	7460	0.02%	0.018%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

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\SOM2VLM052019S.M
Title : VOC Analysis

35	7.309	1915	1934	1935	rBV4	8841	12547	0.04%	0.031%
36	7.357	1938	1949	1966	rVB	209725	372867	1.15%	0.921%
37	7.521	1996	2000	2005	rBV6	609	754	0.00%	0.002%
38	7.560	2010	2012	2017	rVB5	1217	787	0.00%	0.002%
39	7.608	2018	2027	2035	rBV3	10646	17700	0.05%	0.044%
40	7.662	2035	2044	2053	rBV	34098	56149	0.17%	0.139%
41	7.801	2080	2087	2088	rBV2	496	427	0.00%	0.001%
42	7.833	2088	2097	2105	rBV5	2440	4571	0.01%	0.011%
43	7.884	2106	2113	2122	rVB8	2643	4603	0.01%	0.011%
44	8.016	2133	2154	2179	rBV	1331738	2369906	7.33%	5.857%
45	8.129	2181	2189	2202	rVV2	59860	93957	0.29%	0.232%
46	8.334	2246	2253	2261	rVB8	6360	11010	0.03%	0.027%
47	8.711	2363	2370	2381	rVB7	17060	31435	0.10%	0.078%
48	8.833	2395	2408	2416	rBV3	18944	36408	0.11%	0.090%
49	8.894	2416	2427	2449	rVB	251277	431519	1.33%	1.066%
50	9.010	2456	2463	2466	rBV7	3178	4436	0.01%	0.011%
51	9.100	2484	2491	2496	rBV9	3202	4492	0.01%	0.011%
52	9.264	2528	2542	2563	rVB2	176303	378757	1.17%	0.936%
53	9.360	2566	2572	2582	rVB6	4297	7013	0.02%	0.017%
54	9.518	2593	2621	2630	rBV7	22754	58164	0.18%	0.144%
55	9.752	2676	2694	2704	rBV3	27239	58133	0.18%	0.144%
56	9.842	2714	2722	2732	rBV5	29734	49651	0.15%	0.123%
57	9.955	2751	2757	2769	rVB9	5600	9165	0.03%	0.023%
58	10.019	2770	2777	2783	rBV8	7936	13241	0.04%	0.033%
59	10.260	2843	2852	2870	rVB	121704	228290	0.71%	0.564%
60	10.553	2935	2943	2952	rBV2	24390	40054	0.12%	0.099%
61	10.621	2955	2964	2987	rVB2	91749	163902	0.51%	0.405%
62	11.199	3138	3144	3153	rVB2	24732	34111	0.11%	0.084%
63	11.296	3163	3174	3185	rBV	232875	384897	1.19%	0.951%
64	11.508	3235	3240	3250	rVB8	10520	15878	0.05%	0.039%
65	11.579	3256	3262	3269	rBV6	5445	8670	0.03%	0.021%
66	11.672	3279	3291	3309	rVB	198424	354729	1.10%	0.877%
67	11.829	3332	3340	3348	rBV3	31160	45070	0.14%	0.111%
68	12.202	3450	3456	3466	rBV8	5375	9527	0.03%	0.024%
69	12.296	3475	3485	3496	rVB9	12824	26709	0.08%	0.066%
70	12.347	3496	3501	3510	rVB8	1940	2680	0.01%	0.007%
71	12.418	3510	3523	3525	rBV7	6738	10958	0.03%	0.027%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

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\SOM2VLM052019S.M
Title : VOC Analysis

72	12.514	3545	3553	3559	rBV9	5670	9115	0.03%	0.023%
73	12.598	3572	3579	3585	rVB7	2062	2963	0.01%	0.007%
74	12.694	3603	3609	3610	rBV5	1953	1656	0.01%	0.004%
75	12.846	3649	3656	3662	rVB7	2931	3887	0.01%	0.010%
76	12.900	3662	3673	3675	rBV6	1975	2982	0.01%	0.007%
77	12.932	3677	3683	3693	rVV8	6379	11113	0.03%	0.027%
78	12.987	3694	3700	3709	rVB7	11628	16145	0.05%	0.040%
79	13.051	3713	3720	3726	rBV5	3338	4100	0.01%	0.010%
80	13.083	3726	3730	3734	rVV5	1091	949	0.00%	0.002%
81	13.202	3764	3767	3770	rBV3	683	552	0.00%	0.001%
82	13.251	3779	3782	3784	rBV2	644	471	0.00%	0.001%
83	13.315	3794	3802	3809	rBV5	2694	3910	0.01%	0.010%
84	13.344	3809	3811	3815	rVV3	798	543	0.00%	0.001%
85	13.437	3831	3840	3842	rBV6	1646	1956	0.01%	0.005%
86	13.534	3865	3870	3873	rVV4	1552	1810	0.01%	0.004%
87	13.550	3873	3875	3884	rVB5	1874	2366	0.01%	0.006%
88	13.595	3884	3889	3893	rVB4	687	759	0.00%	0.002%
89	13.637	3893	3902	3908	rBV5	2024	3233	0.01%	0.008%
90	13.688	3914	3918	3920	rBV	645	472	0.00%	0.001%
91	13.765	3939	3942	3945	rVV2	686	621	0.00%	0.002%
92	13.794	3947	3951	3960	rVB6	1929	2503	0.01%	0.006%
93	13.945	3993	3998	4004	rVV4	1310	1788	0.01%	0.004%
94	14.071	4029	4037	4039	rVV3	827	1097	0.00%	0.003%
95	14.087	4039	4042	4049	rVB5	1357	1602	0.00%	0.004%
96	14.698	4228	4232	4238	rVB5	918	955	0.00%	0.002%
97	14.894	4287	4293	4295	rBV2	1436	1407	0.00%	0.003%
98	15.122	4359	4364	4367	rBV3	502	427	0.00%	0.001%
99	15.685	4532	4539	4547	rVB3	1126	1881	0.01%	0.005%
100	15.778	4563	4568	4574	rVB5	1100	1295	0.00%	0.003%

Sum of corrected areas: 40466020

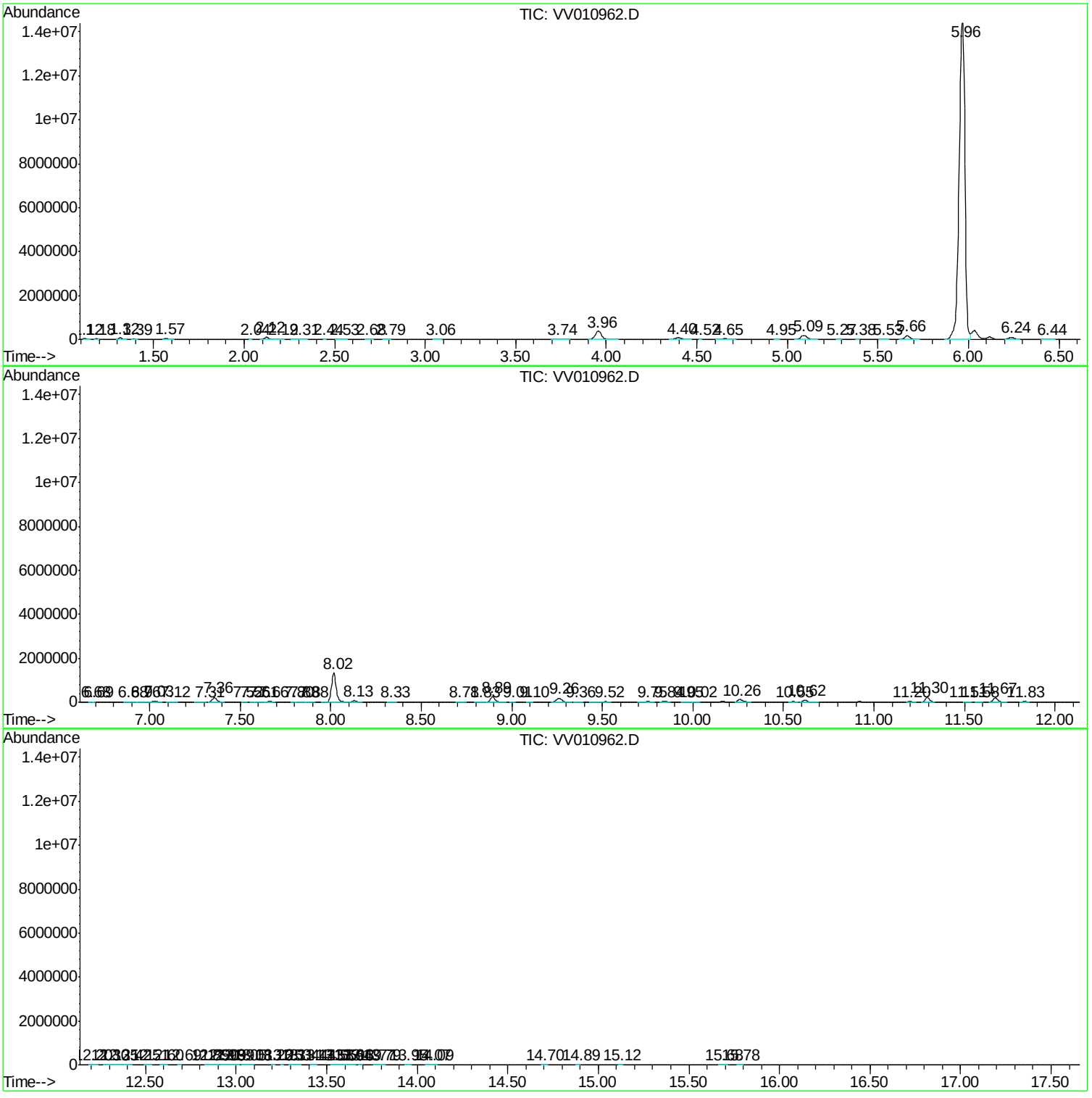
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

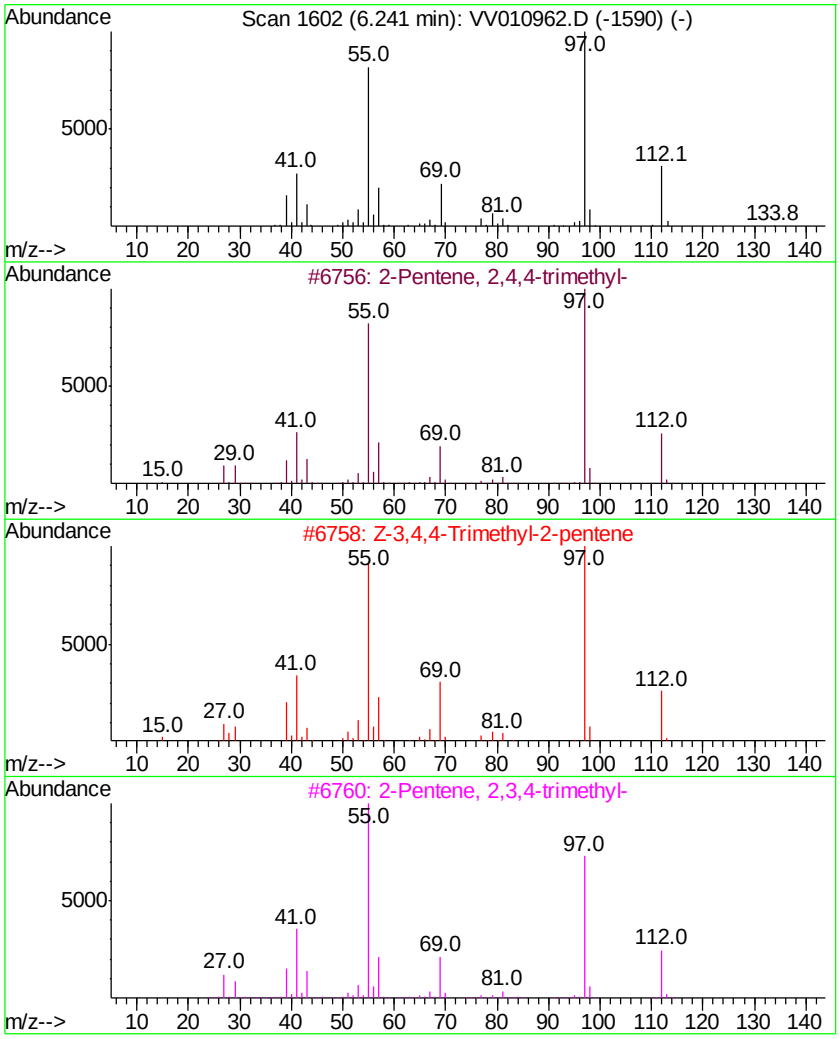
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

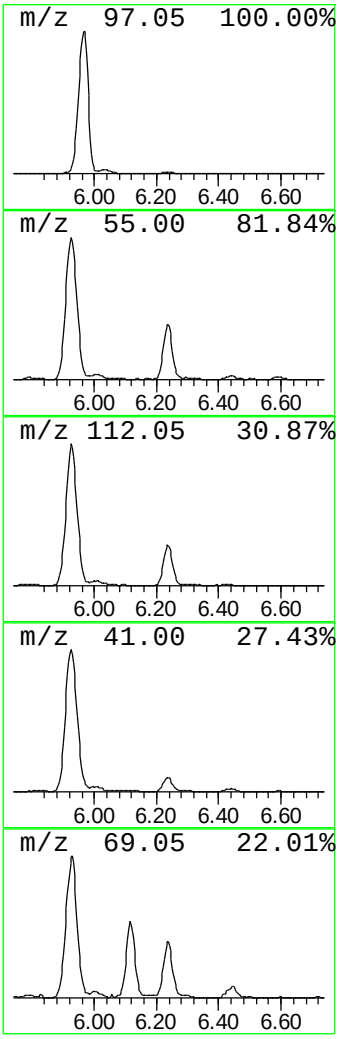
****

Peak Number 2 (DEL) Alkane: Cyclic6.24 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	12.52 ug/L	170436	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
2	Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	91
3	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	91
4	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	90
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

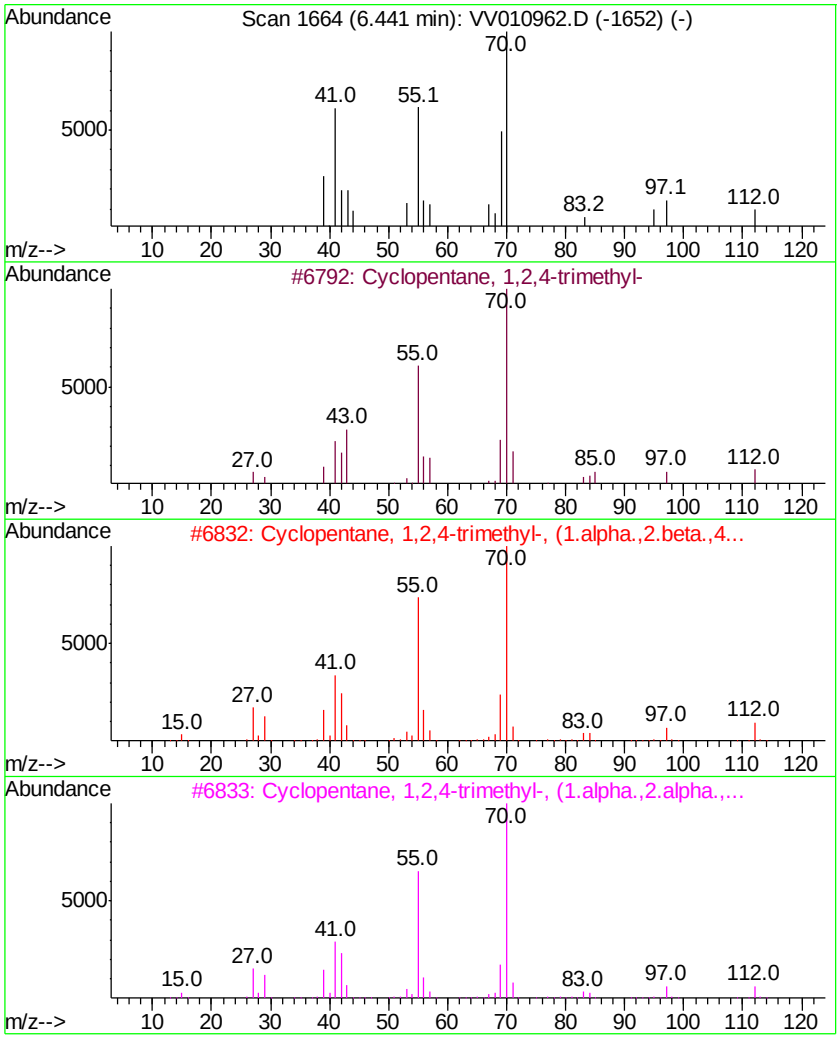
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

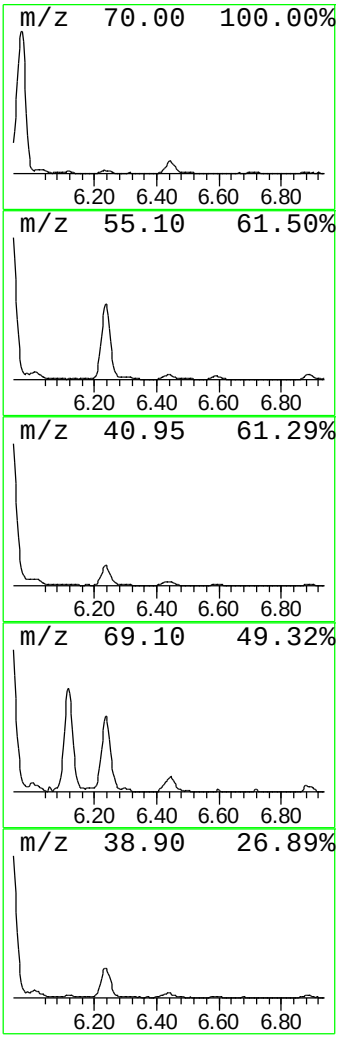
****

Peak Number 3 (DEL) Alkane: Cyclic6.44 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	1.37 ug/L	18701	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	016883-48-0	72
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

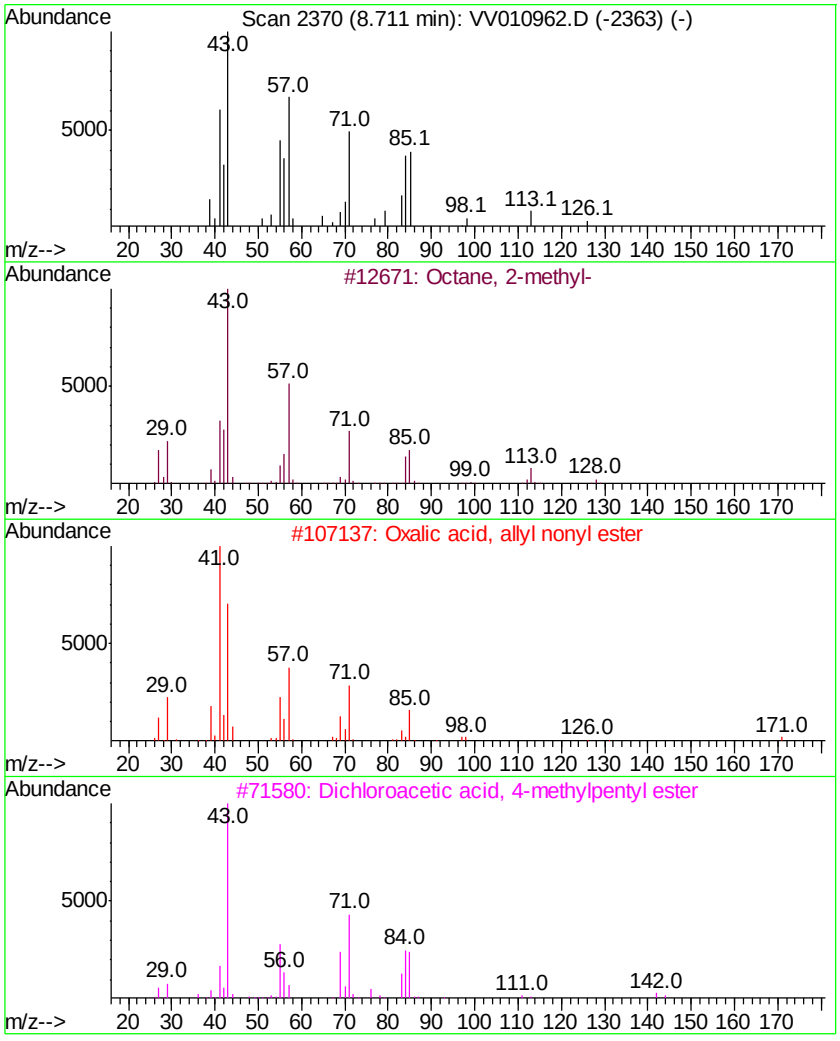
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

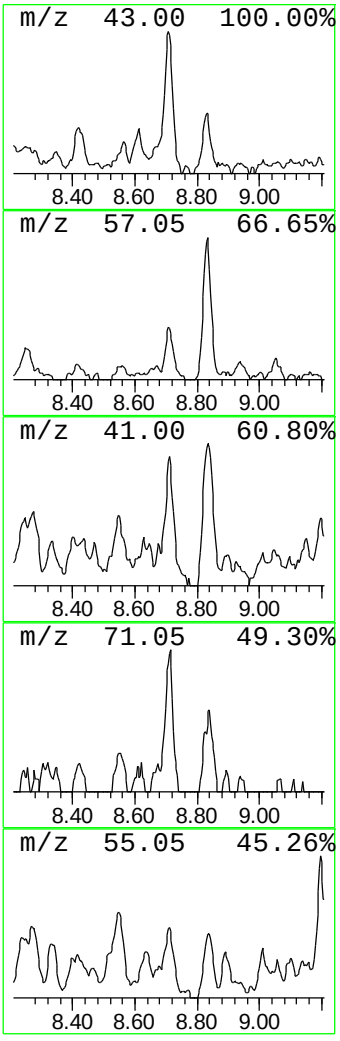
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	1.82 ug/L	31435	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	59
2	Oxalic acid, allyl nonyl ester	256	C14H24O4	1000309-23-7	59
3	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	50
4	Hexadecane	226	C16H34	000544-76-3	47
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

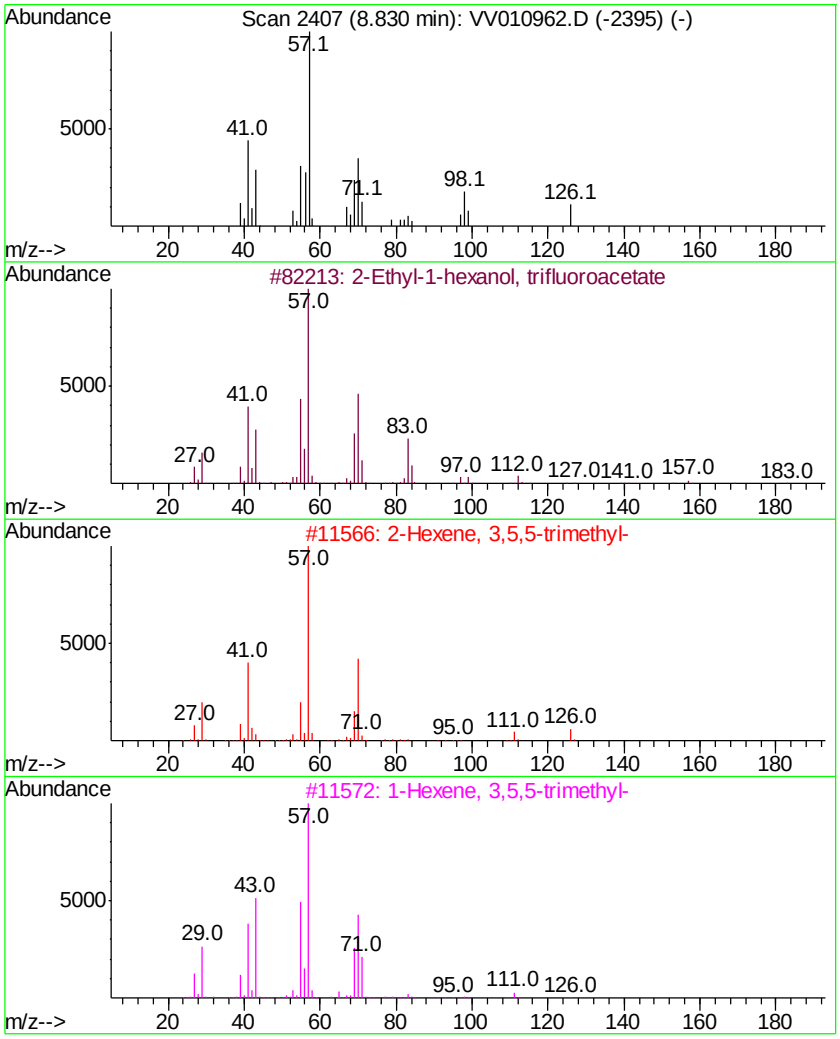
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 6 2-Ethyl-1-hexanol, trifluor... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	2.11 ug/L	36408	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1-hexanol, trifluoroacetate	226	C10H17F3O2	1000365-19-6	50
2	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	47
3	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	47
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	43
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	42



m/z 57.10 100.00%
m/z 41.00 43.94%
m/z 70.00 35.08%
m/z 55.00 31.26%
m/z 43.00 29.33%

Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

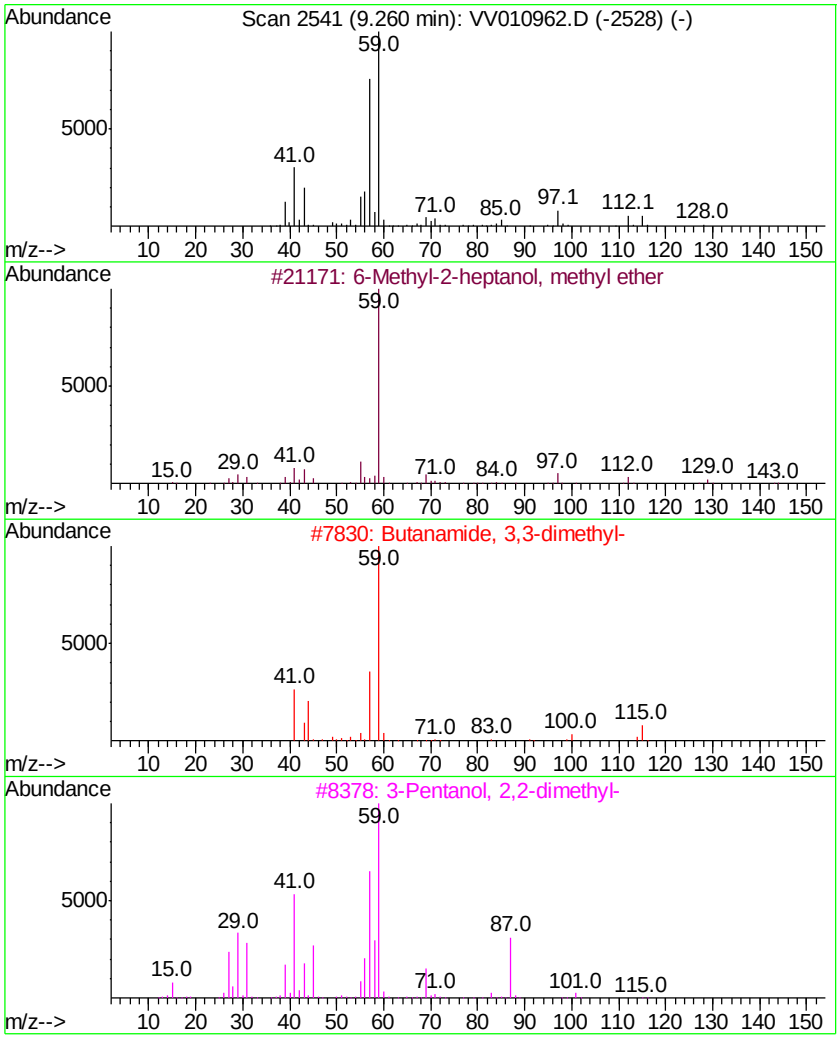
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

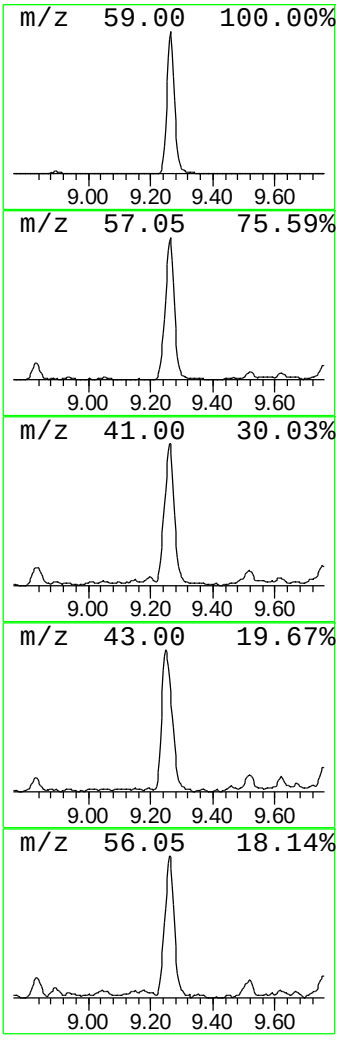
****

Peak Number 7 6-Methyl-2-heptanol, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	21.94 ug/L	378757	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	53
2	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	50
3	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	45
4	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	45
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

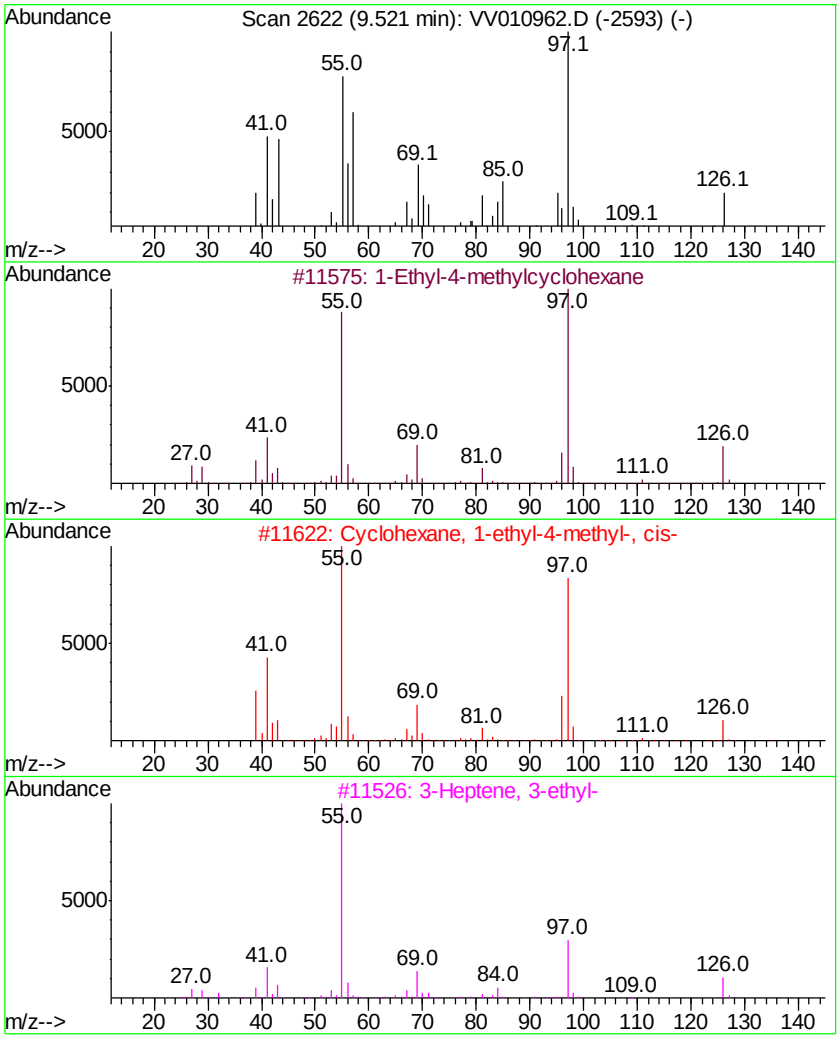
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

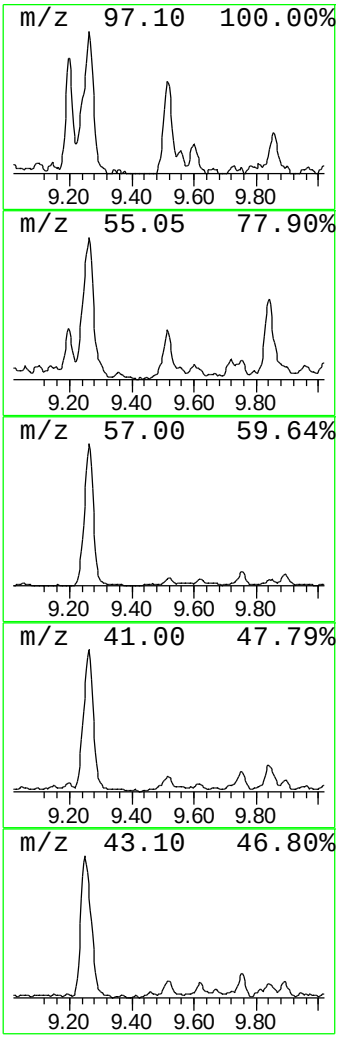
****

Peak Number 8 1-Ethyl-4-methylcyclohexane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	3.37 ug/L	58164	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
3	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	53
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53
5	4-Octen-3-one	126	C8H14O	014129-48-7	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

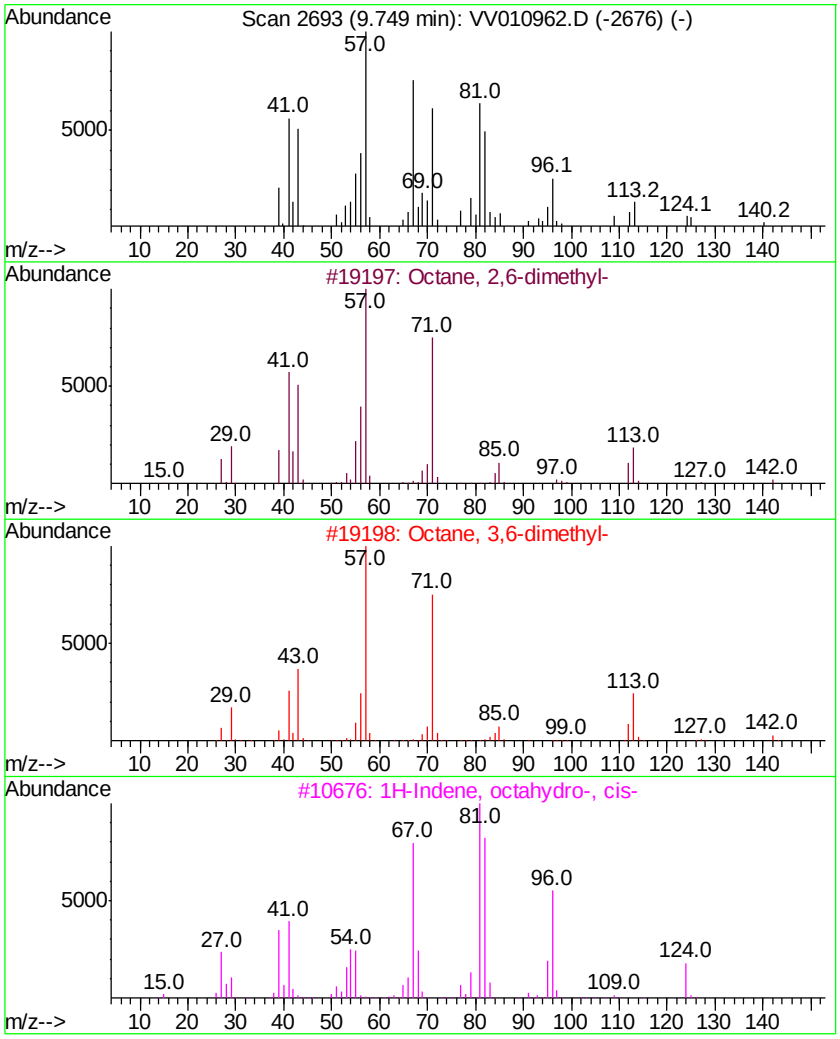
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

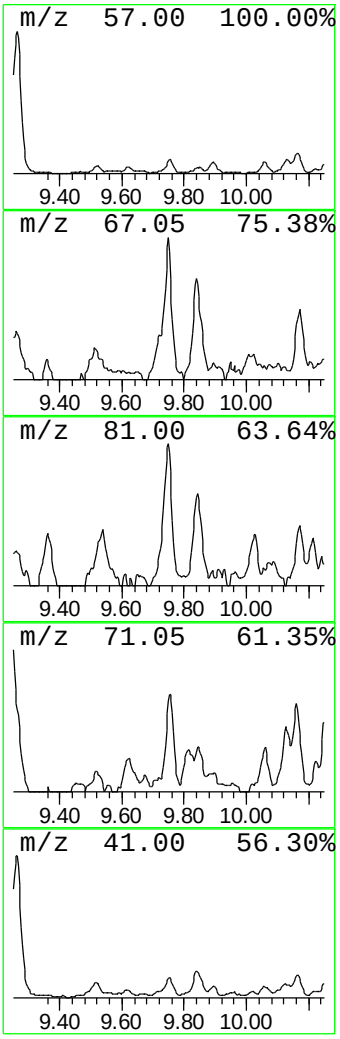
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	3.37 ug/L	58133	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	35
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	30
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	27
5	2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

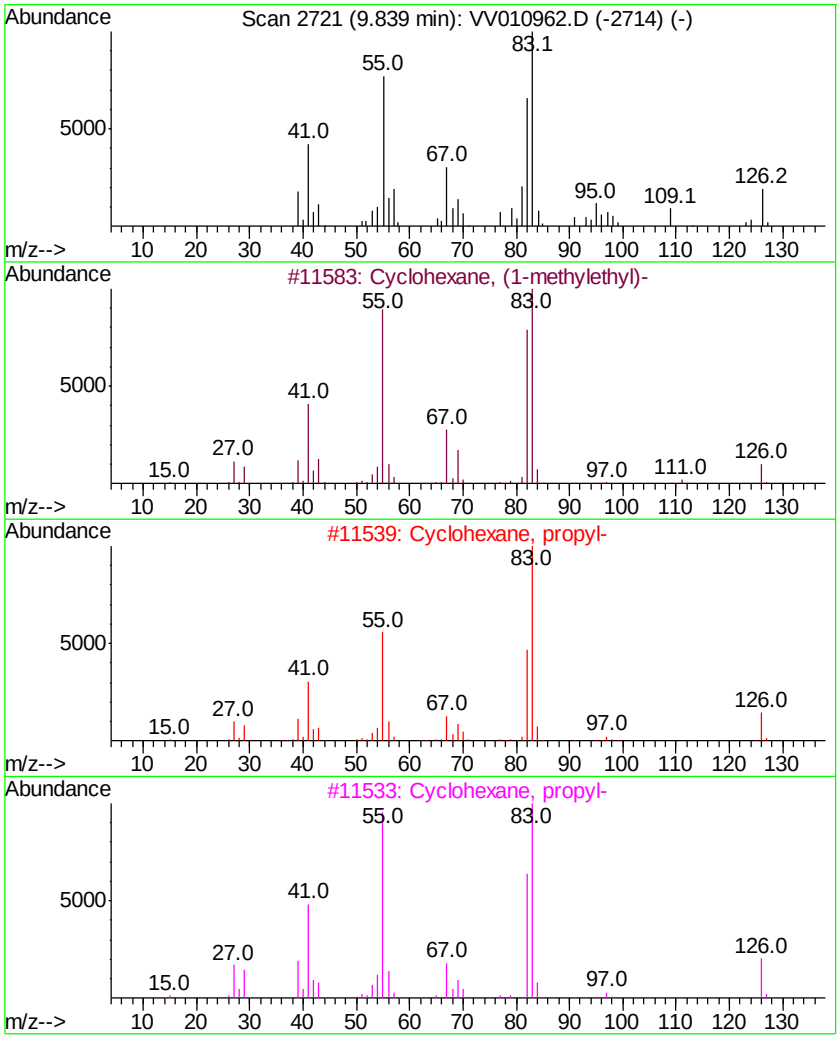
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

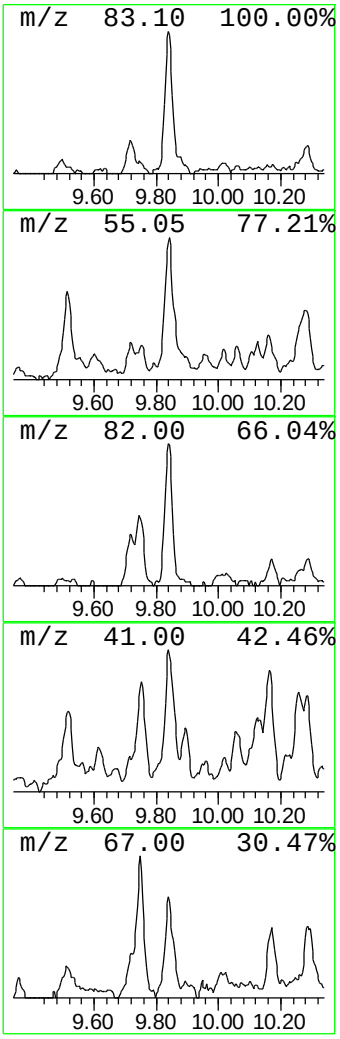
****

Peak Number 10 (DEL) Alkane: Cyclic9.84 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	2.88 ug/L	49651	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
5	3,7-Decadiene, 2,9-dimethyl-	166	C12H22	074630-13-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

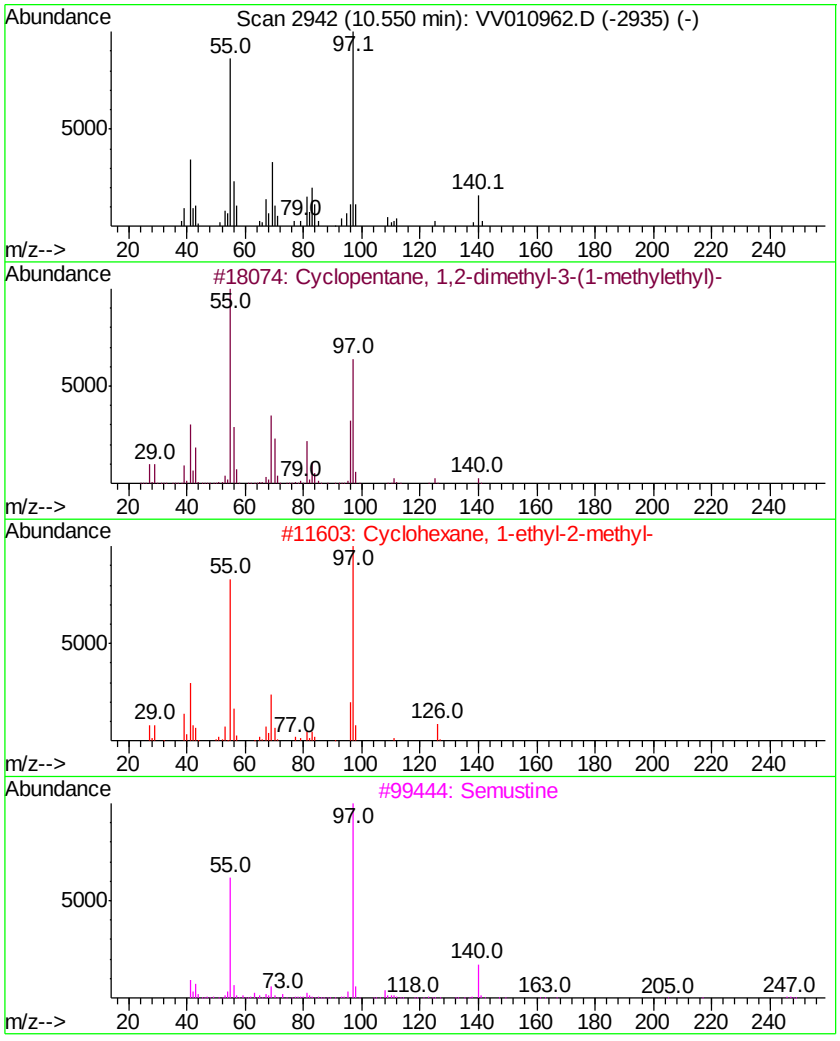
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

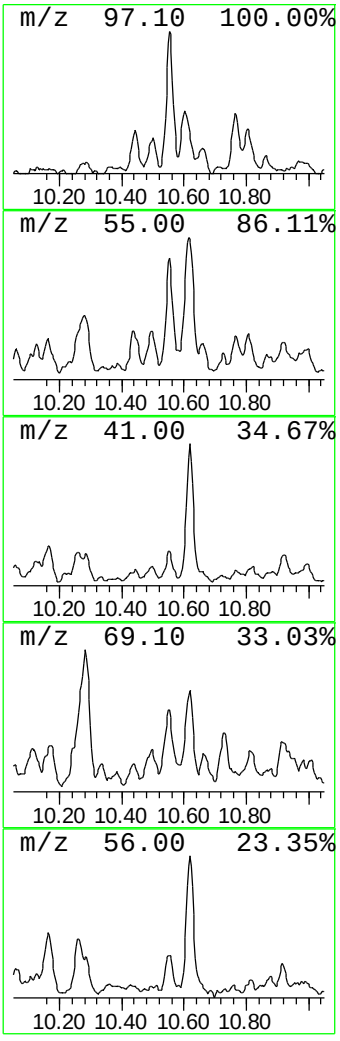
****

Peak Number 11 (DEL) Alkane: Cyclic10.55 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	2.60 ug/L	40054	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	72
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
3	Semustine	247	C10H18ClN3O2	013909-09-6	50
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	50
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

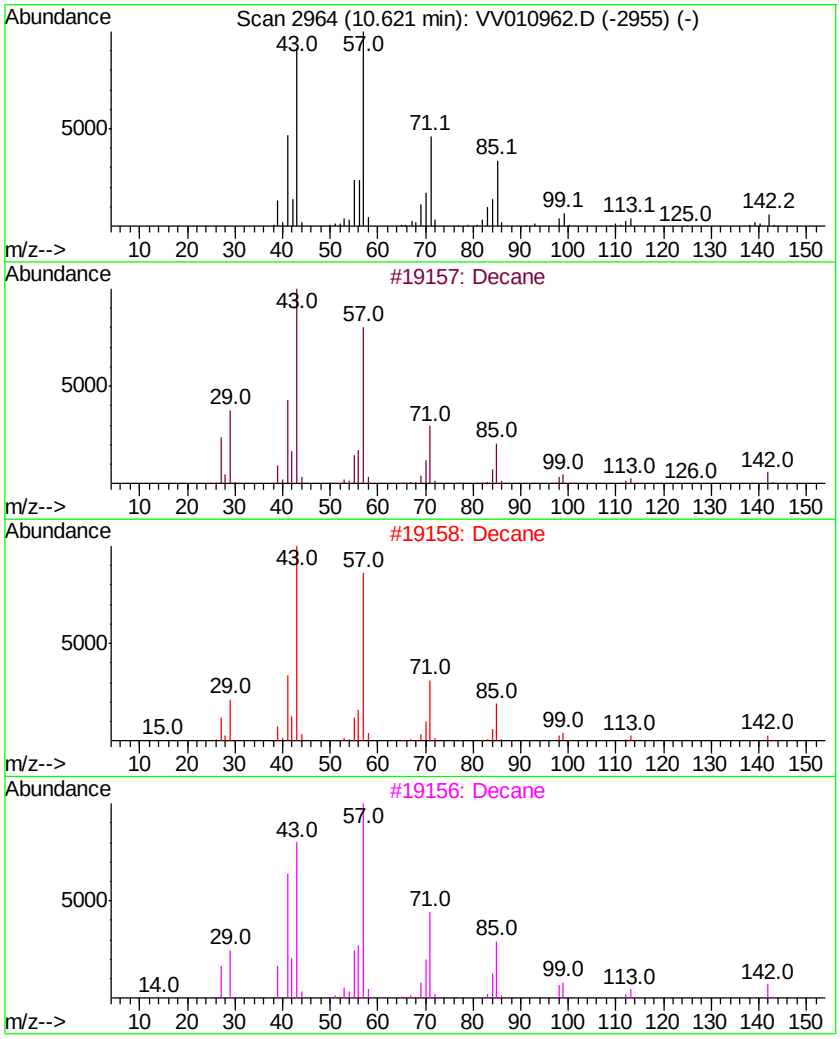
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

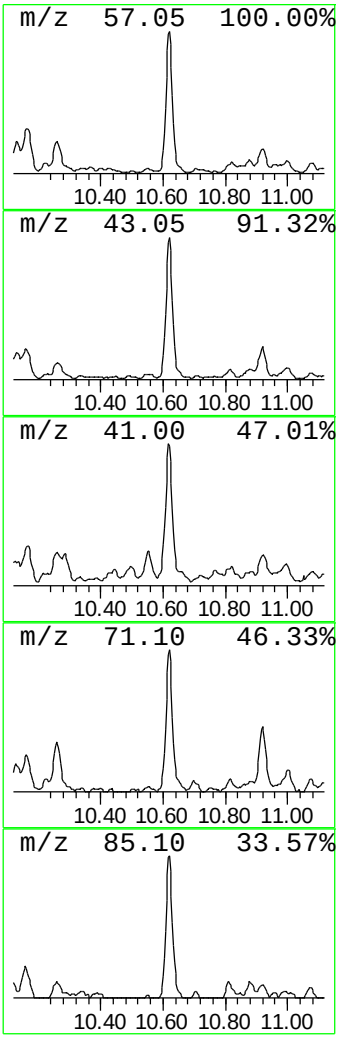
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	10.65 ug/L	163902	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	90
3	Decane	142	C10H22	000124-18-5	87
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	68
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

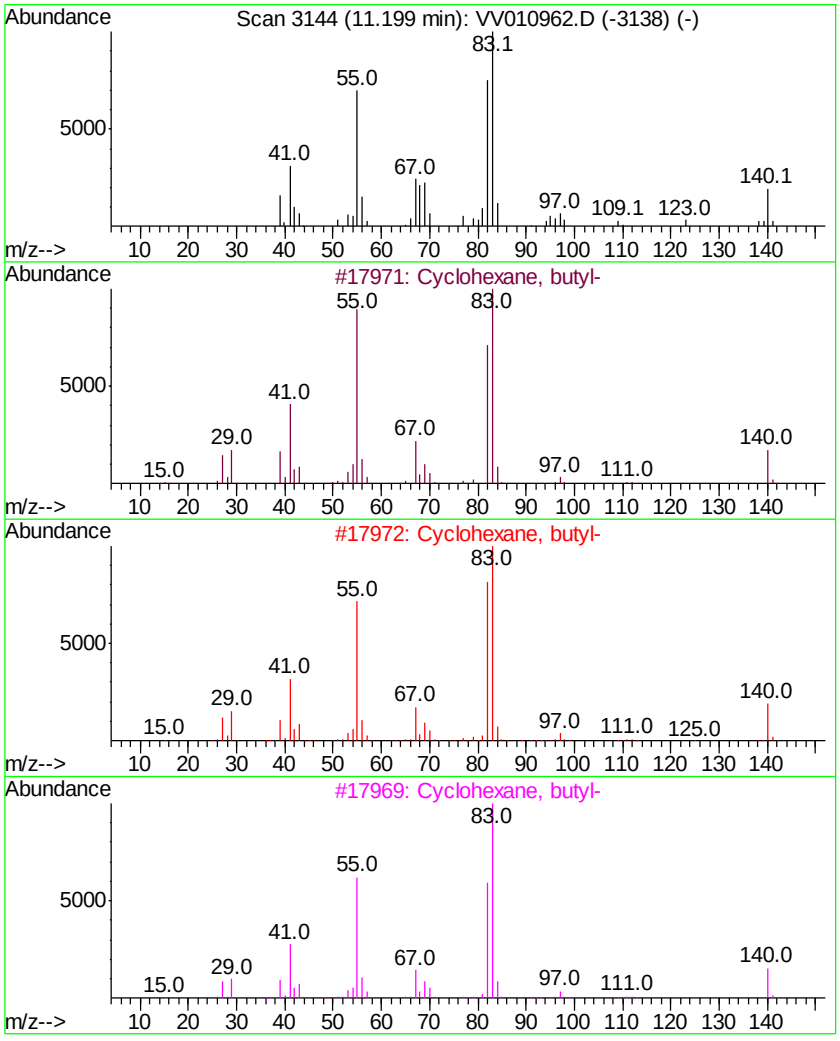
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

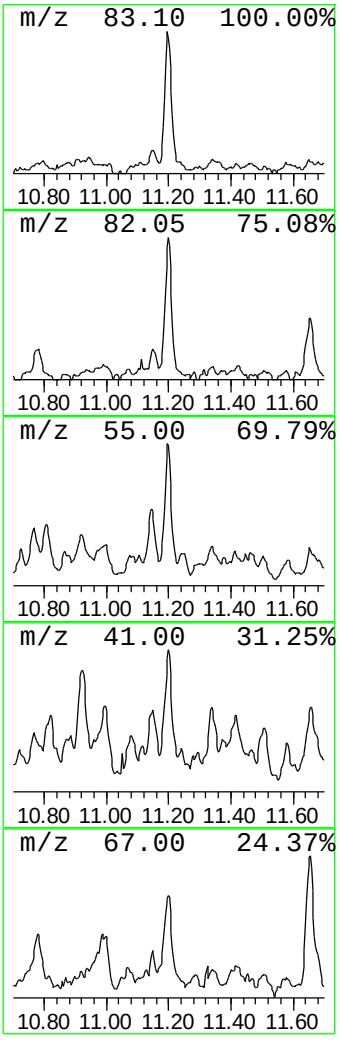
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic11.20 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.22 ug/L	34111	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

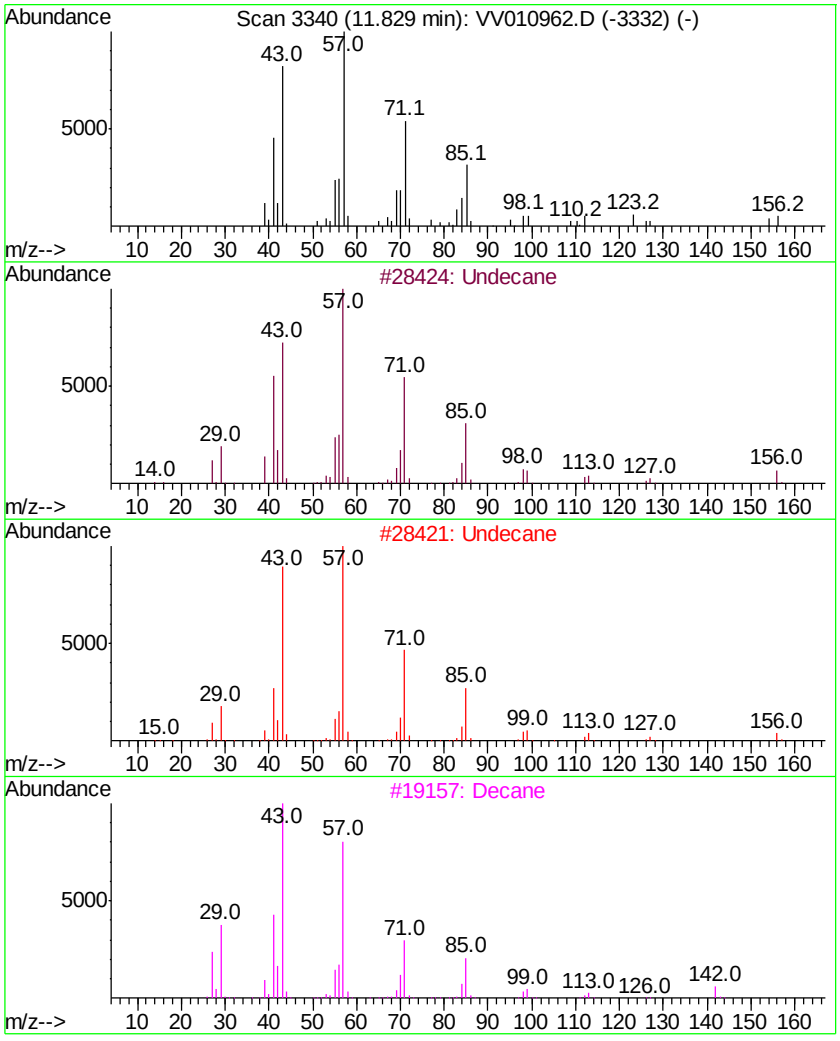
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

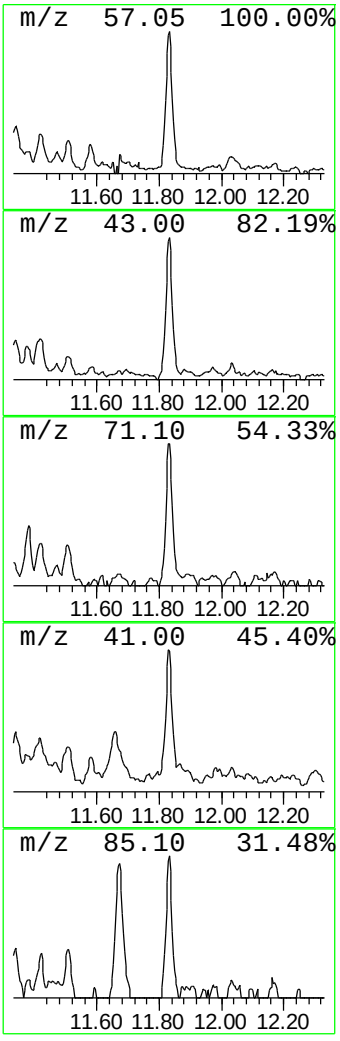
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.93 ug/L	45070	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Undecane	156	C11H24	001120-21-4	81
3	Decane	142	C10H22	000124-18-5	72
4	Undecane	156	C11H24	001120-21-4	68
5	Undecane	156	C11H24	001120-21-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

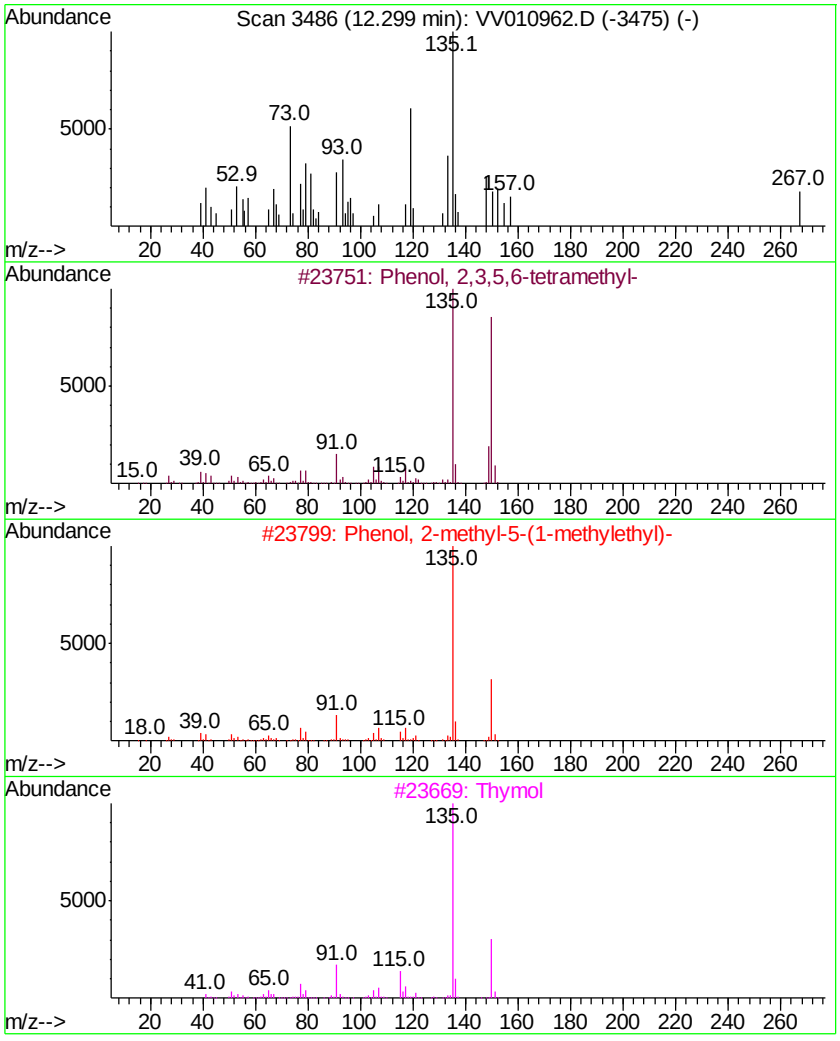
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

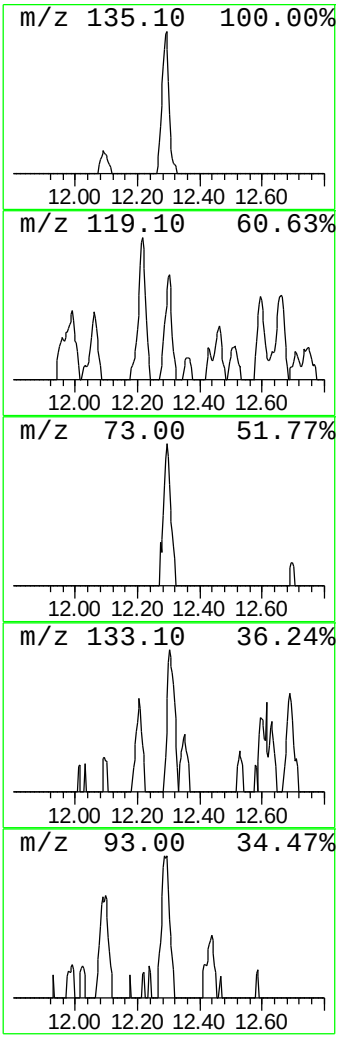
****

Peak Number 15 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1.73 ug/L	26709	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	46
2	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	43
3	Thymol	150	C10H14O	000089-83-8	43
4	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	38
5	Phenol, 2,3,4,6-tetramethyl-	150	C10H14O	003238-38-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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: Cyc...	6.24	12.5	ug/L	170436	1	5.66	340196	25.0
(DEL) Alkane: Cyc...	6.44	1.4	ug/L	18701	1	5.66	340196	25.0
(DEL) Alkane: Str...	8.71	1.8	ug/L	31435	2	8.89	431519	25.0
2-Ethyl-1-hexanol...	8.83	2.1	ug/L	36408	2	8.89	431519	25.0
6-Methyl-2-heptan...	9.26	21.9	ug/L	378757	2	8.89	431519	25.0
1-Ethyl-4-methylc...	9.52	3.4	ug/L	58164	2	8.89	431519	25.0
(DEL) Alkane: Str...	9.75	3.4	ug/L	58133	2	8.89	431519	25.0
(DEL) Alkane: Cyc...	9.84	2.9	ug/L	49651	2	8.89	431519	25.0
(DEL) Alkane: Cyc...	10.55	2.6	ug/L	40054	3	11.30	384897	25.0
(DEL) Alkane: Str...	10.62	10.7	ug/L	163902	3	11.30	384897	25.0
(DEL) Alkane: Cyc...	11.20	2.2	ug/L	34111	3	11.30	384897	25.0
(DEL) Alkane: Str...	11.83	2.9	ug/L	45070	3	11.30	384897	25.0
unknown-01	12.30	1.7	ug/L	26709	3	11.30	384897	25.0