LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/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\SOM2VLM051319S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	64	70	78	rVB	58773	56755	0.22%	0.175%
2	1.386	88	92	101	rVB	24283	24516	0.10%	0.075%
3	1.563	141	147	159	rVB	42233	49471	0.19%	0.152%
4	2.042	290	296	302	rBV6	1196	1776	0.01%	0.005%
5	2.119	309	320	332	rBV2	99500	145350	0.57%	0.447%
6	2.187	336	341	350	rVB	9191	12702	0.05%	0.039%
7	2.309	368	379	393	rBV2	11551	18640	0.07%	0.057%
8	2.470	418	429	435	rVB4	552	991	0.00%	0.003%
9	2.527	440	447	456	rVV3	2336	3551	0.01%	0.011%
10	2.669	488	491	495	rVV3	434	372	0.00%	0.001%
11	3.476	739	742	748	rBV2	350	441	0.00%	0.001%
12	3.743	810	825	837	rVV5	3551	9370	0.04%	0.029%
13	3.955	872	891	916	rBV2	235499	611941	2.40%	1.883%
14	4.396	1009	1028	1049	rBV	79718	190888	0.75%	0.587%
15	4.653	1094	1108	1126	rVB3	18685	46669	0.18%	0.144%
16	5.016	1215	1221	1227	rVB2	253	417	0.00%	0.001%
17	5.093	1227	1245	1283	rBV3	184183	463934	1.82%	1.428%
18	5.283	1303	1304	1310	rVB2	528	380	0.00%	0.001%
19	5.531	1376	1381	1383	rBV3	694	535	0.00%	0.002%
20	5.662	1408	1422	1441	rBV	136861	278069	1.09%	0.856%
21	5.965	1486	1516	1552	rBV	12243760	25466846	100.00%	78.369%
22	6.116	1554	1563	1587	rVV	113268	249150	0.98%	0.767%
23	6.238	1589	1601	1632	rVB2	79353	172238	0.68%	0.530%
24	6.441	1651	1664	1676	rVB8	6752	16521	0.06%	0.051%
25	6.588	1701	1710	1711	rBV3	2516	2637	0.01%	0.008%
26	6.688	1738	1741	1745	rVV3	730	654	0.00%	0.002%
27	6.714	1745	1749	1756	rVB4	1009	1189	0.00%	0.004%
28	6.884	1792	1802	1816	rBV8	6724	12650	0.05%	0.039%
29	6.958	1816	1825	1832	rBV5	3485	6390	0.03%	0.020%
30	7.029	1835	1847	1867	rVB2	59156	103804	0.41%	0.319%
31	7.125	1867	1877	1887	rBV5	4875	8670	0.03%	0.027%
32	7.180	1889	1894	1896	rBV3	827	740	0.00%	0.002%
33	7.309	1923	1934	1936	rBV4	6598	9656	0.04%	0.030%
34	7.357	1939	1949	1966	rVB	188245	334486	1.31%	1.029%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/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\SOM2VLM051319S.M
Title : VOC Analysis

35	7.611	2019	2028	2034	rBV2	7976	12342	0.05%	0.038%
36	7.662	2035	2044	2062	rVV	38554	66751	0.26%	0.205%
37	7.833	2087	2097	2103	rBV5	2170	3730	0.01%	0.011%
38	7.884	2108	2113	2118	rVB7	1381	1846	0.01%	0.006%
39	7.942	2127	2131	2133	rBV2	429	326	0.00%	0.001%
40	8.016	2133	2154	2179	rBV	949453	1675186	6.58%	5.155%
41	8.132	2181	2190	2209	rVV	97106	167288	0.66%	0.515%
42	8.338	2246	2254	2264	rVB5	6100	10748	0.04%	0.033%
43	8.402	2264	2274	2275	rBV4	5183	7012	0.03%	0.022%
44	8.550	2304	2320	2329	rBV10	8902	22951	0.09%	0.071%
45	8.714	2364	2371	2381	rVB5	14230	25422	0.10%	0.078%
46	8.756	2381	2384	2391	rVB6	786	935	0.00%	0.003%
47	8.833	2397	2408	2417	rBV4	15557	29917	0.12%	0.092%
48	8.894	2417	2427	2454	rVB	216240	372680	1.46%	1.147%
49	9.100	2487	2491	2498	rVB5	2016	2336	0.01%	0.007%
50	9.264	2528	2542	2565	rVB3	177713	363955	1.43%	1.120%
51	9.460	2594	2603	2604	rBV5	1554	1996	0.01%	0.006%
52	9.518	2608	2621	2633	rVV9	15254	33516	0.13%	0.103%
53	9.717	2676	2683	2687	rBV5	7067	10159	0.04%	0.031%
54	9.752	2688	2694	2703	rVB4	20450	32822	0.13%	0.101%
55	9.842	2714	2722	2732	rBV6	23115	38817	0.15%	0.119%
56	9.955	2751	2757	2768	rVB10	5068	8183	0.03%	0.025%
57	10.019	2768	2777	2783	rBV8	7605	13213	0.05%	0.041%
58	10.260	2842	2852	2871	rVB	148224	263743	1.04%	0.812%
59	10.431	2898	2905	2916	rBV	7695	16135	0.06%	0.050%
60	10.495	2918	2925	2934	rVB7	11329	20041	0.08%	0.062%
61	10.553	2934	2943	2952	rBV6	18321	32268	0.13%	0.099%
62	10.620	2955	2964	2986	rVB2	69794	126049	0.49%	0.388%
63	11.077	3100	3106	3110	rBV6	4957	6721	0.03%	0.021%
64	11.199	3138	3144	3155	rVB3	19080	27232	0.11%	0.084%
65	11.296	3163	3174	3185	rBV	189982	308267	1.21%	0.949%
66	11.579	3253	3262	3270	rBV10	6196	12114	0.05%	0.037%
67	11.672	3278	3291	3309	rVB	189717	331745	1.30%	1.021%
68	11.833	3332	3341	3348	rBV2	20959	30749	0.12%	0.095%
69	11.987	3384	3389	3395	rVB6	4116	5199	0.02%	0.016%
70	12.167	3436	3445	3448	rBV6	1904	2769	0.01%	0.009%
71	12.199	3451	3455	3457	rBV5	2874	2414	0.01%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/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\SOM2VLM051319S.M
Title : VOC Analysis

72	12.296	3475	3485	3497	rBV10	10926	23075	0.09%	0.071%
73	12.344	3497	3500	3502	rVV3	902	452	0.00%	0.001%
74	12.424	3510	3525	3532	rBV3	5229	12289	0.05%	0.038%
75	12.517	3546	3554	3561	rBV10	6541	9832	0.04%	0.030%
76	12.636	3585	3591	3596	rBV6	1404	1427	0.01%	0.004%
77	12.720	3610	3617	3625	rVB6	3532	5430	0.02%	0.017%
78	12.759	3625	3629	3631	rBV4	1138	951	0.00%	0.003%
79	12.845	3646	3656	3660	rBV7	1652	2164	0.01%	0.007%
80	12.897	3666	3672	3675	rBV3	1052	1261	0.00%	0.004%
81	12.929	3677	3682	3693	rVV7	3852	6229	0.02%	0.019%
82	12.987	3694	3700	3708	rVB7	6904	9518	0.04%	0.029%
83	13.048	3712	3719	3725	rBV5	2025	2696	0.01%	0.008%
84	13.077	3725	3728	3729	rBV2	558	354	0.00%	0.001%
85	13.109	3736	3738	3742	rBV2	707	583	0.00%	0.002%
86	13.141	3745	3748	3754	rVB4	1513	1235	0.00%	0.004%
87	13.315	3800	3802	3805	rVV3	658	400	0.00%	0.001%
88	13.376	3816	3821	3829	rVB4	888	1054	0.00%	0.003%
89	13.434	3831	3839	3847	rVB5	1216	2037	0.01%	0.006%
90	13.527	3861	3868	3872	rBV5	896	825	0.00%	0.003%
91	13.553	3872	3876	3883	rVB4	646	577	0.00%	0.002%
92	13.588	3883	3887	3889	rBV3	540	367	0.00%	0.001%
93	13.633	3893	3901	3908	rBV4	3061	3895	0.02%	0.012%
94	13.942	3987	3997	4004	rBV6	957	1402	0.01%	0.004%
95	14.090	4032	4043	4056	rBV2	8039	14874	0.06%	0.046%
96	14.437	4146	4151	4154	rBV2	350	335	0.00%	0.001%
97	14.894	4288	4293	4302	rVV4	1210	1423	0.01%	0.004%
98	15.411	4452	4454	4461	rVB3	382	339	0.00%	0.001%
99	16.836	4893	4897	4901	rBV3	812	652	0.00%	0.002%
100	16.861	4902	4905	4907	rBV3	611	373	0.00%	0.001%

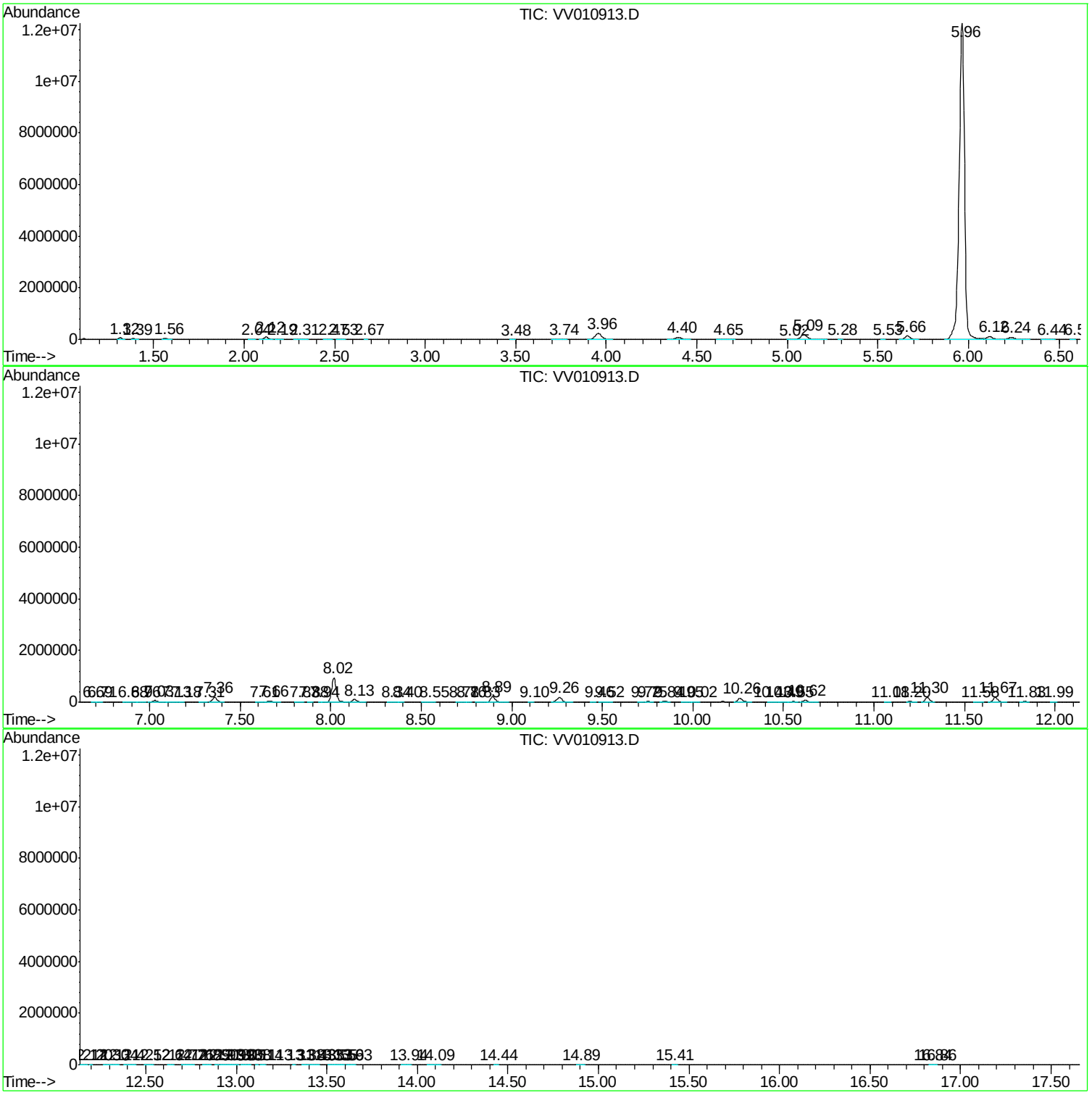
Sum of corrected areas: 32496025

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

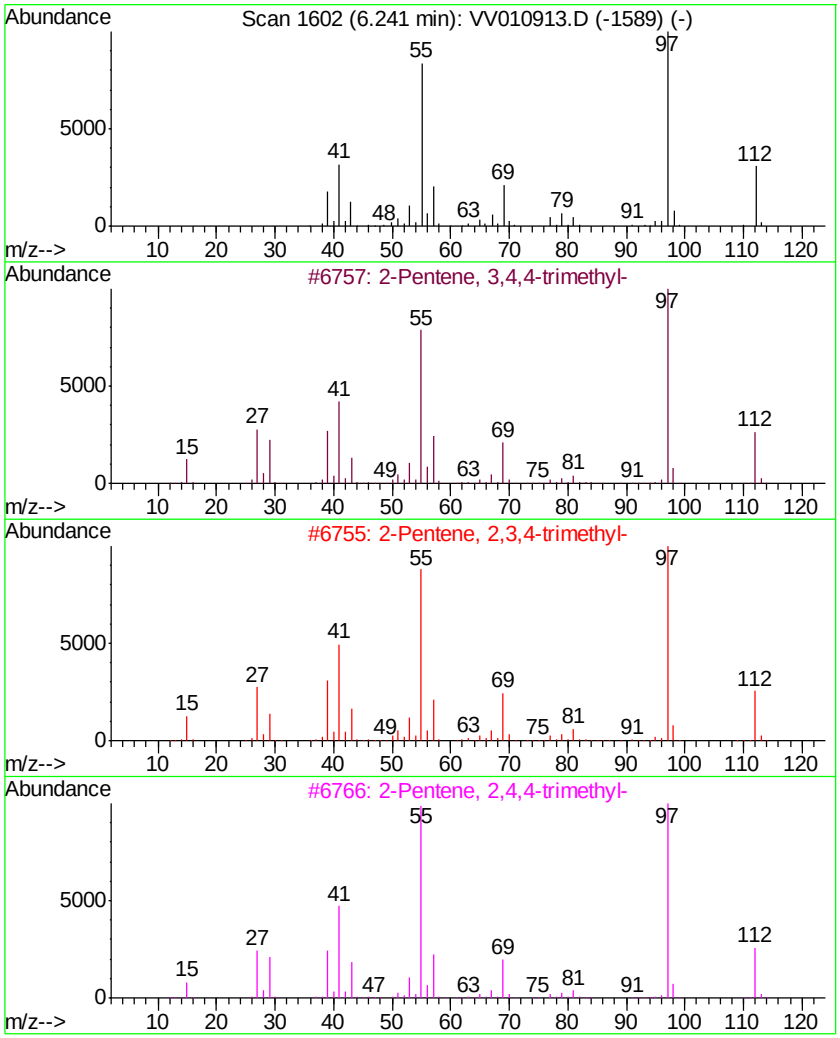
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

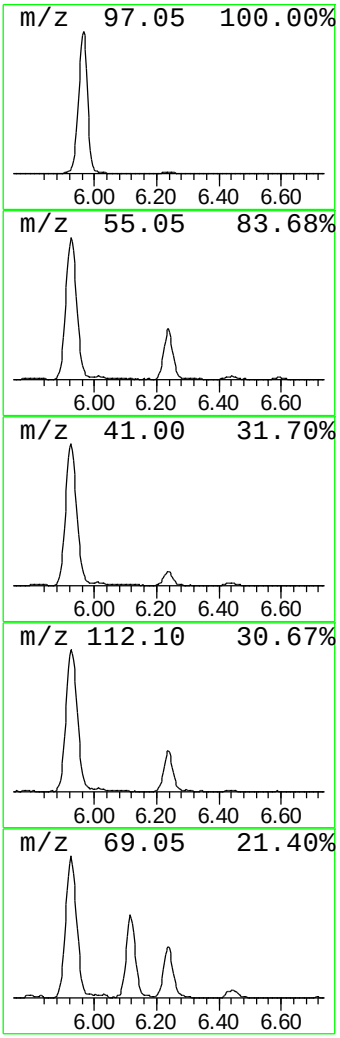
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	15.49 ug/L	172238	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	94
2	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	94
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
4	Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	91
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

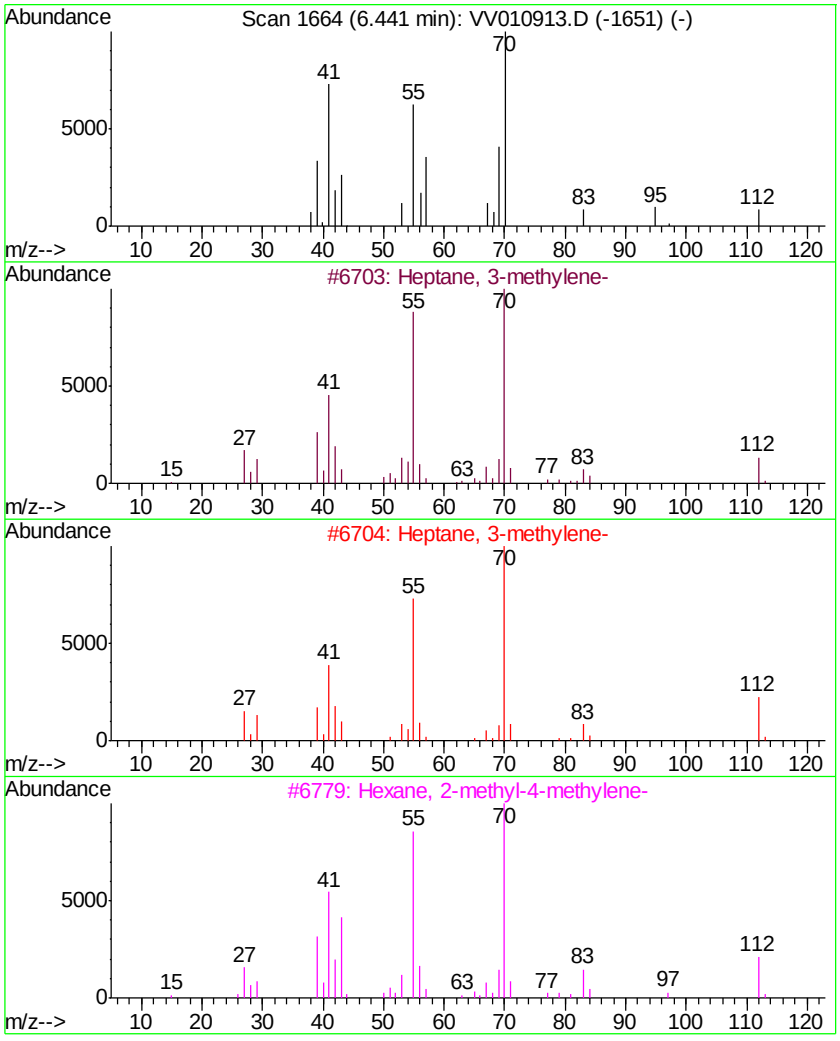
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

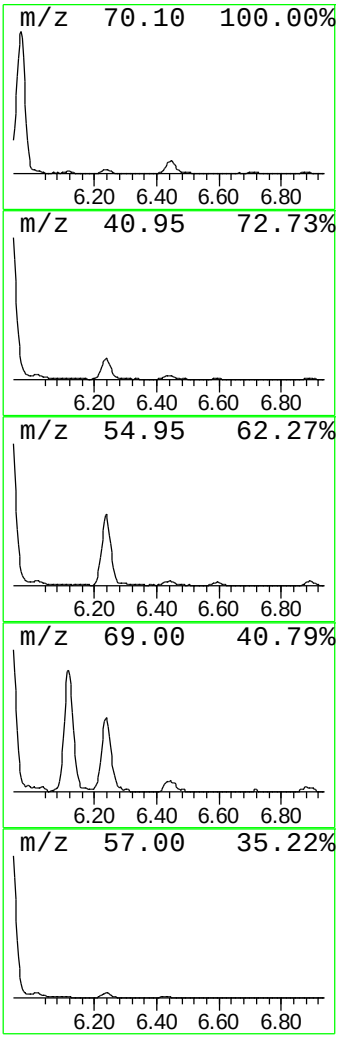
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	1.49 ug/L	16521	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78
4	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	72
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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

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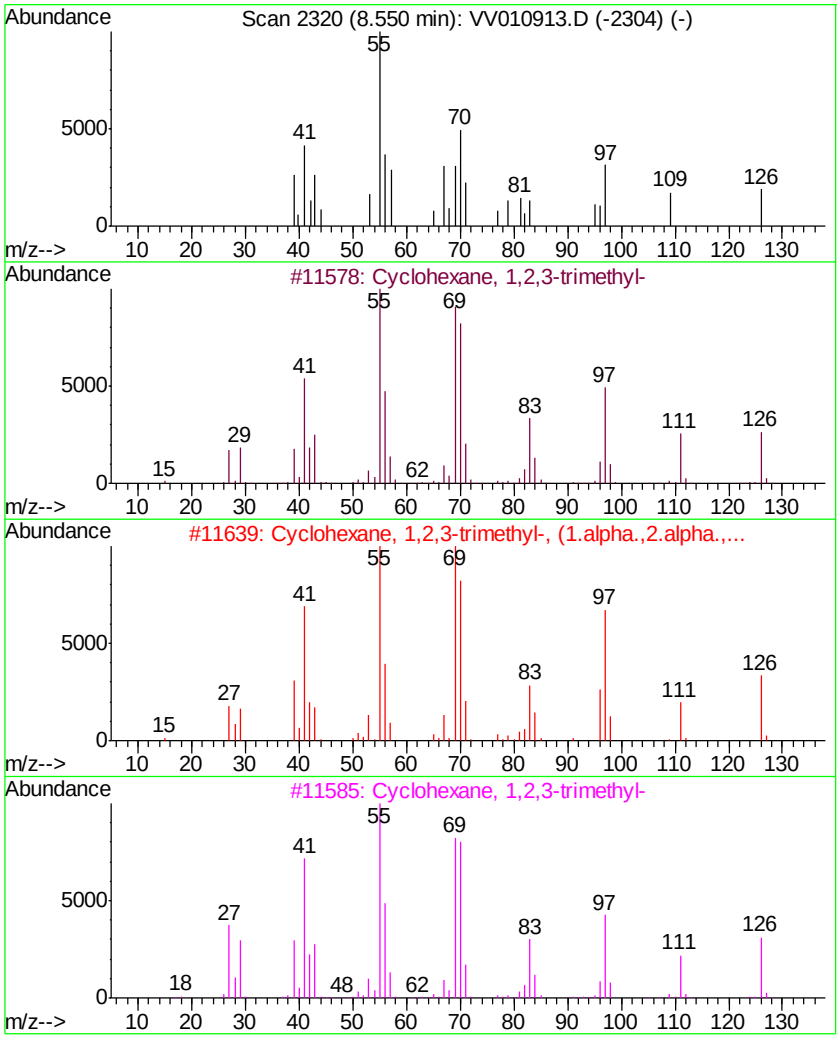
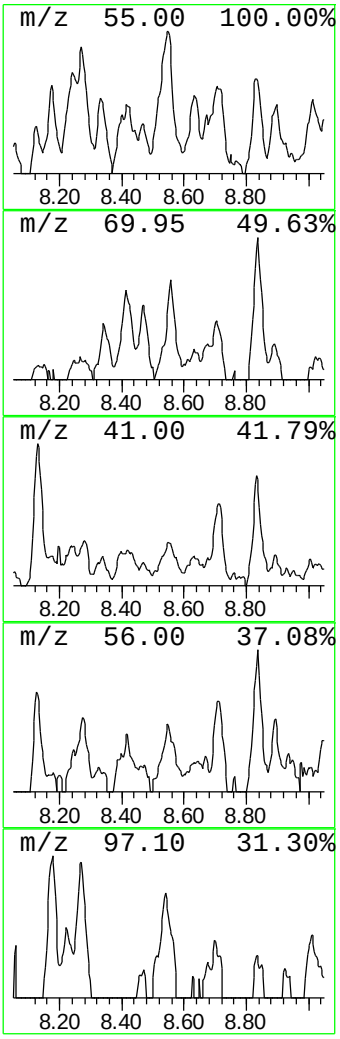
Peak Number 5 (DEL) Alkane: Cyclic8.55 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	1.54 ug/L	22951	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	53
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	53
3	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	53
4	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	50
5	4-Nonene	126	C9H18	002198-23-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

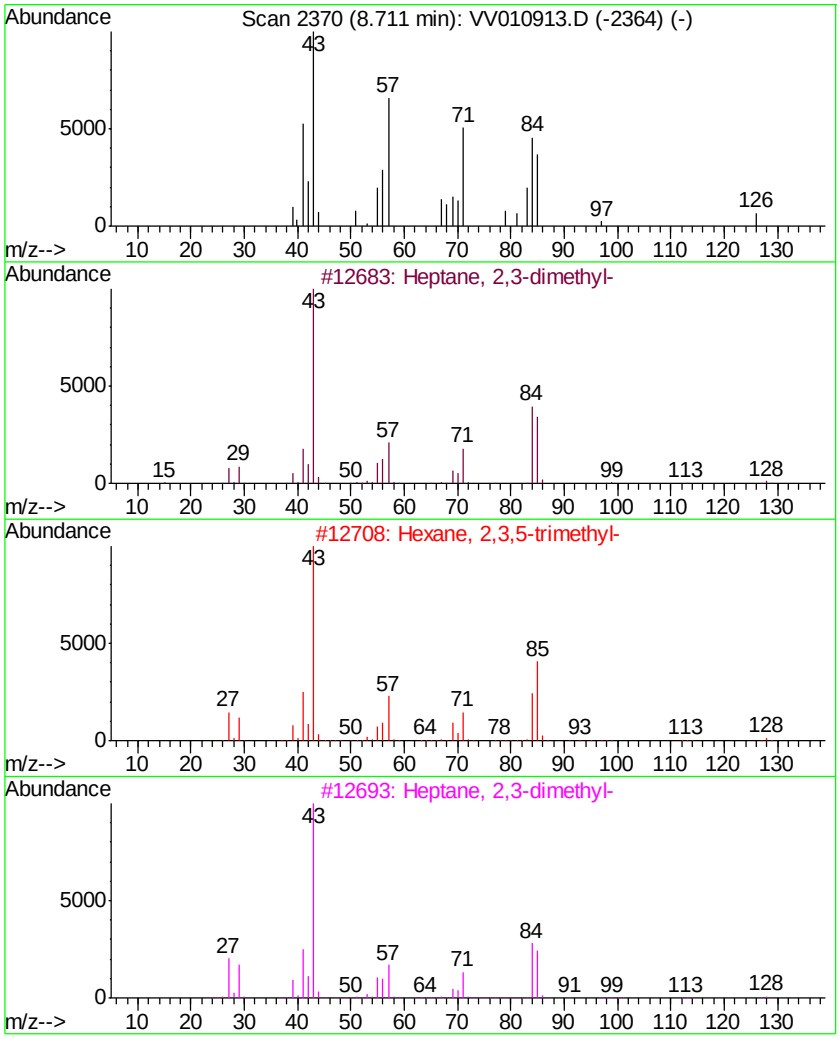
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

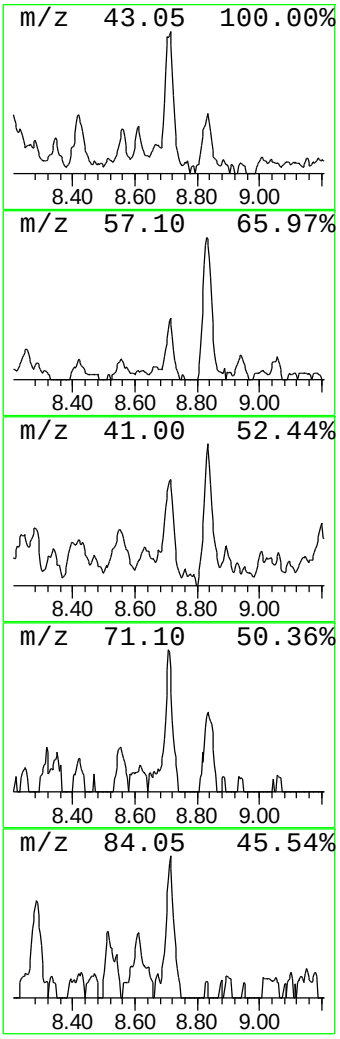
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	1.71 ug/L	25422	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	47
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	40
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	40
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

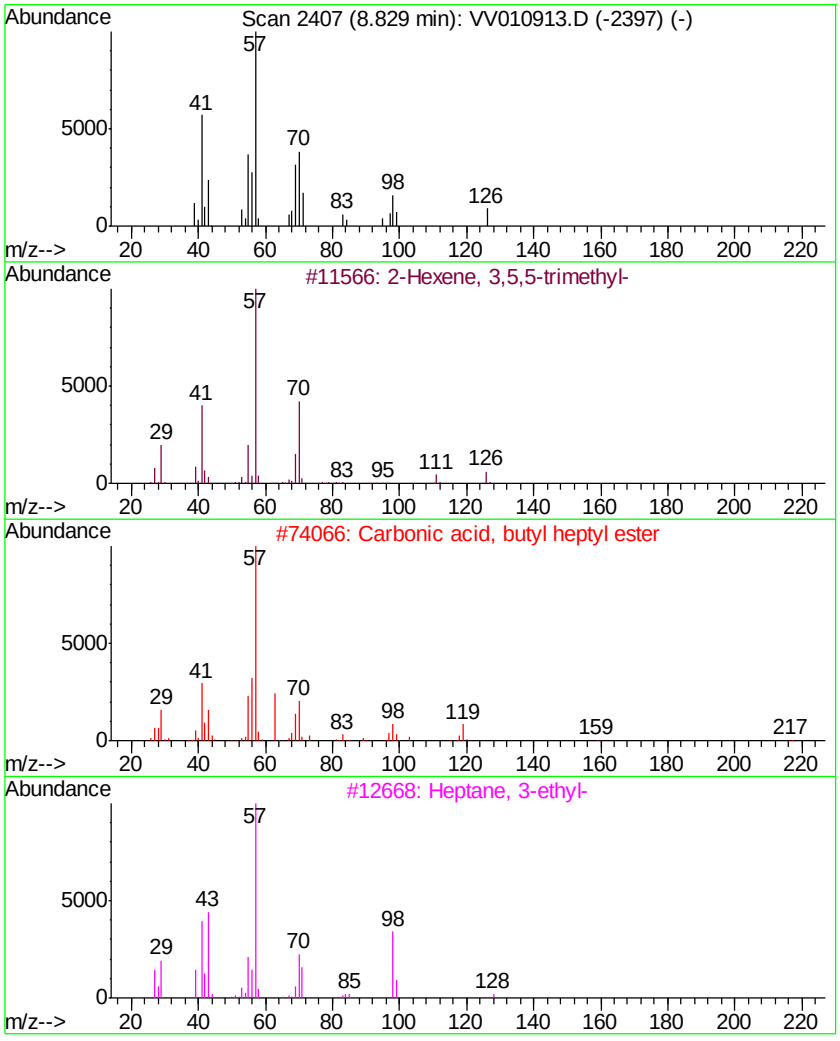
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

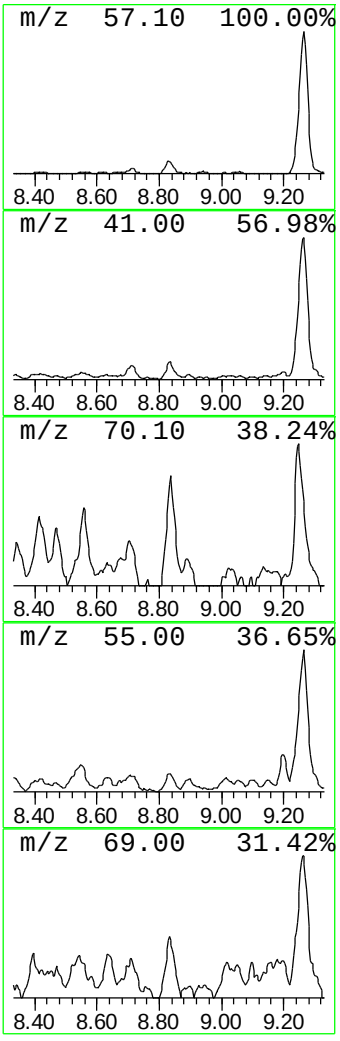
****

Peak Number 7 (DEL) Alkane: Cyclic8.83 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	2.01 ug/L	29917	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	50
2	Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	43
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
5	Bicyclo[3.1.0]hexan-2-ol	98	C6H10O	1000194-18-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

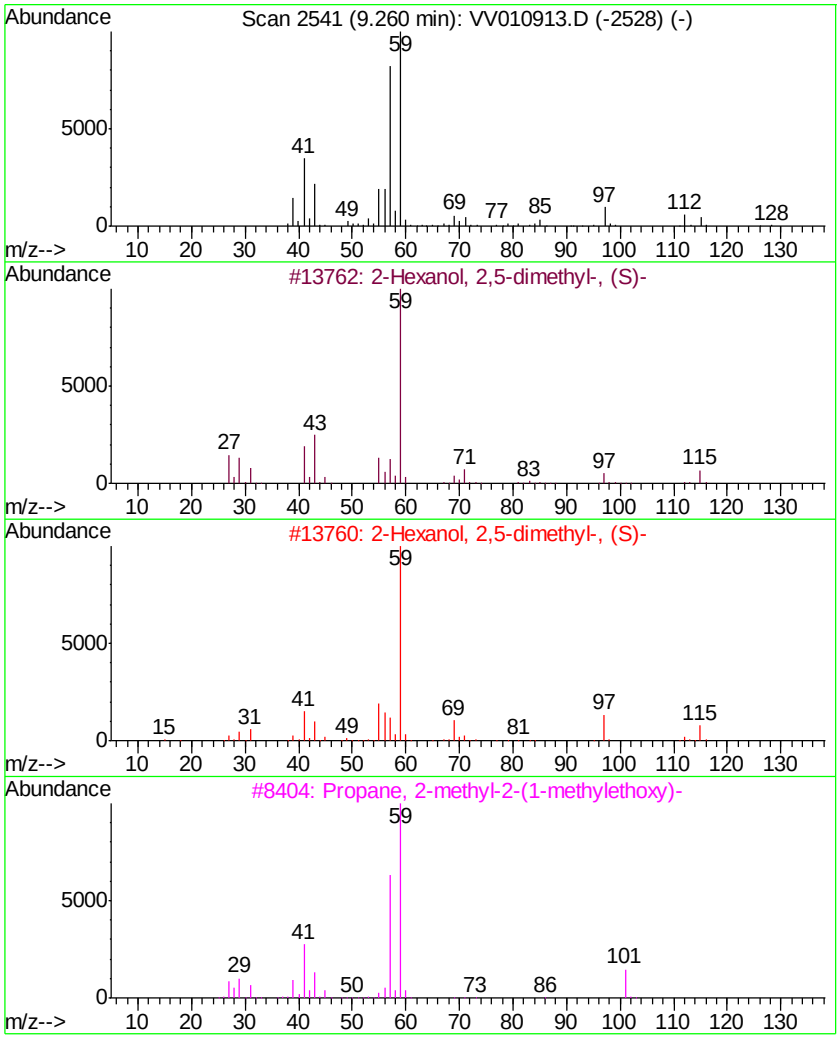
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

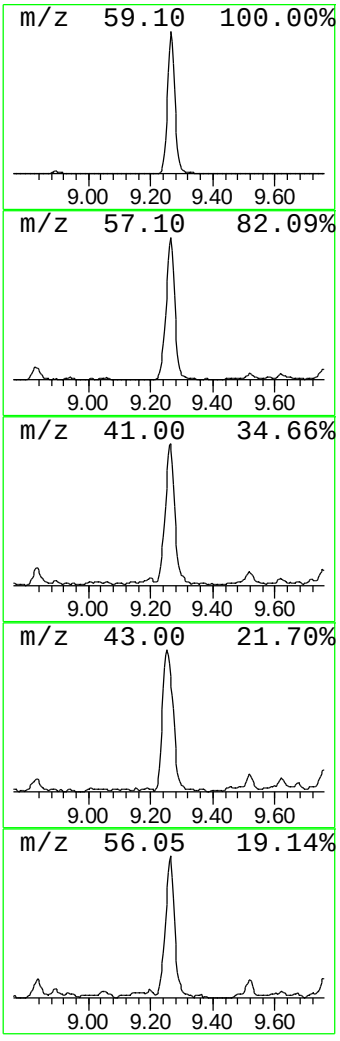
****

Peak Number 8 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	24.41 ug/L	363955	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	50
2	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	50
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	45
4	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	42
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	38





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Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

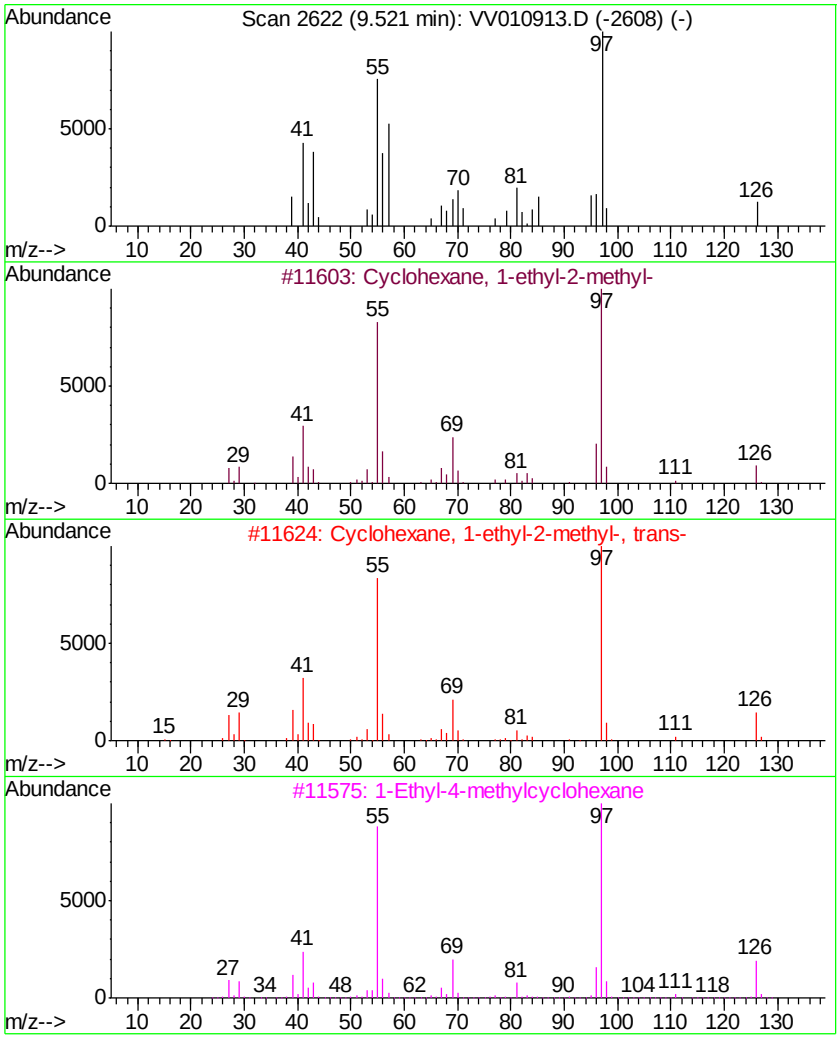
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

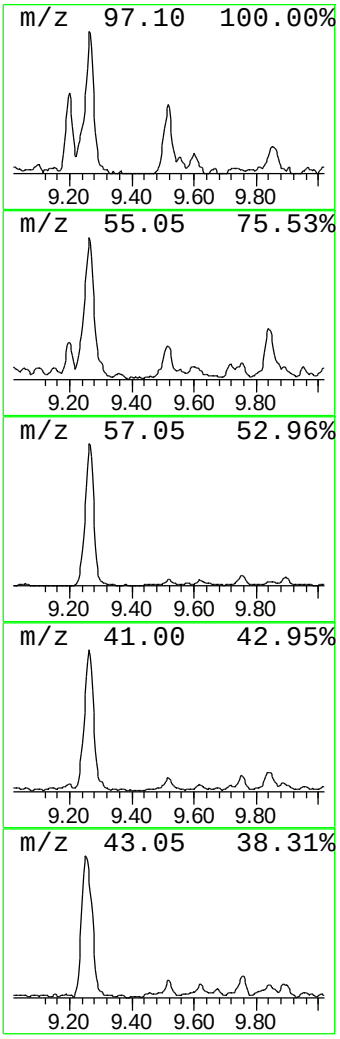
****

Peak Number 9 (DEL) Alkane: Cyclic9.52 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	2.25 ug/L	33516	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53





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Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

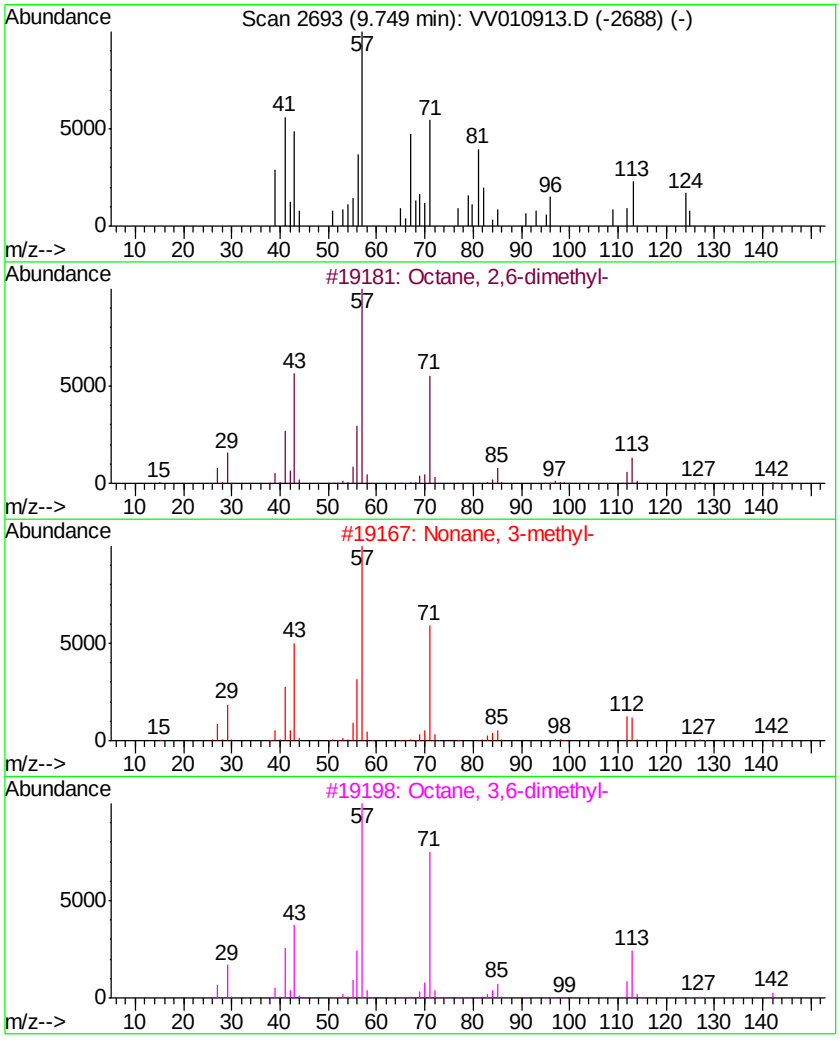
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

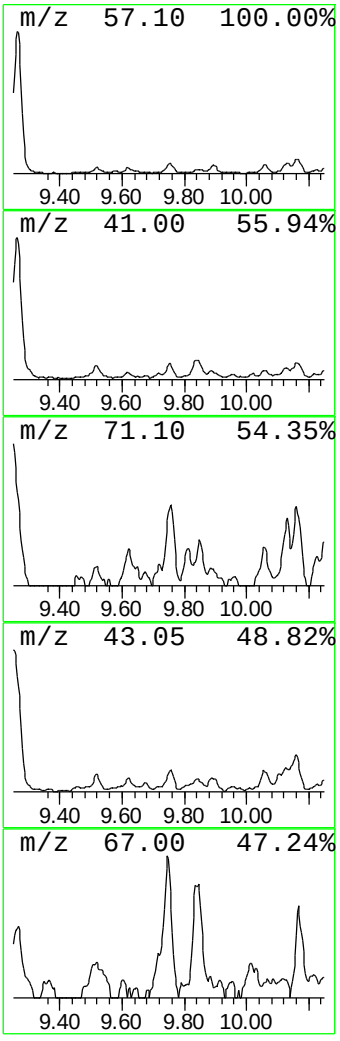
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	2.20 ug/L	32822	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	50
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	38





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Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

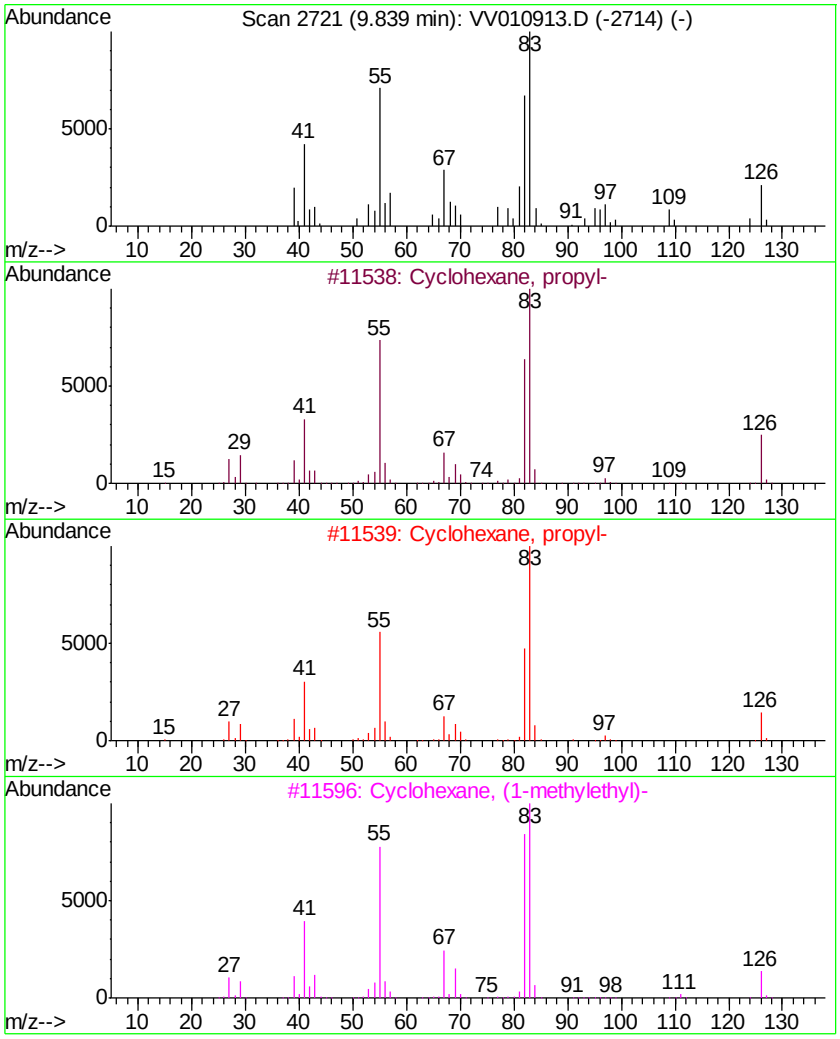
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

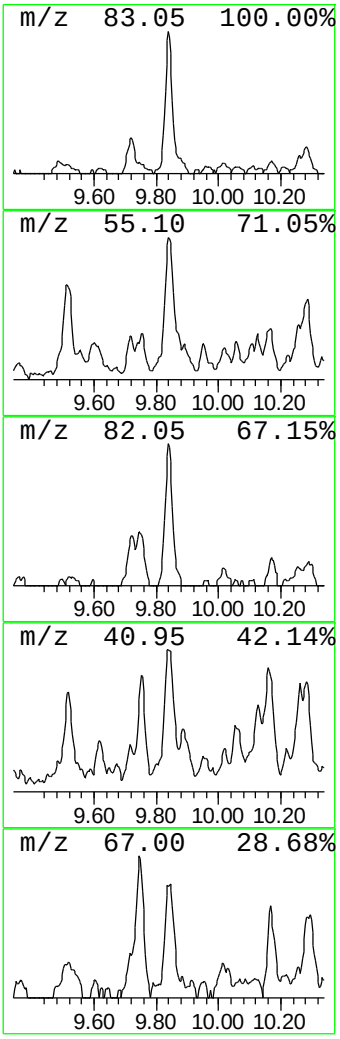
****

Peak Number 11 (DEL) Alkane: Cyclic9.84 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	2.60 ug/L	38817	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81





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Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

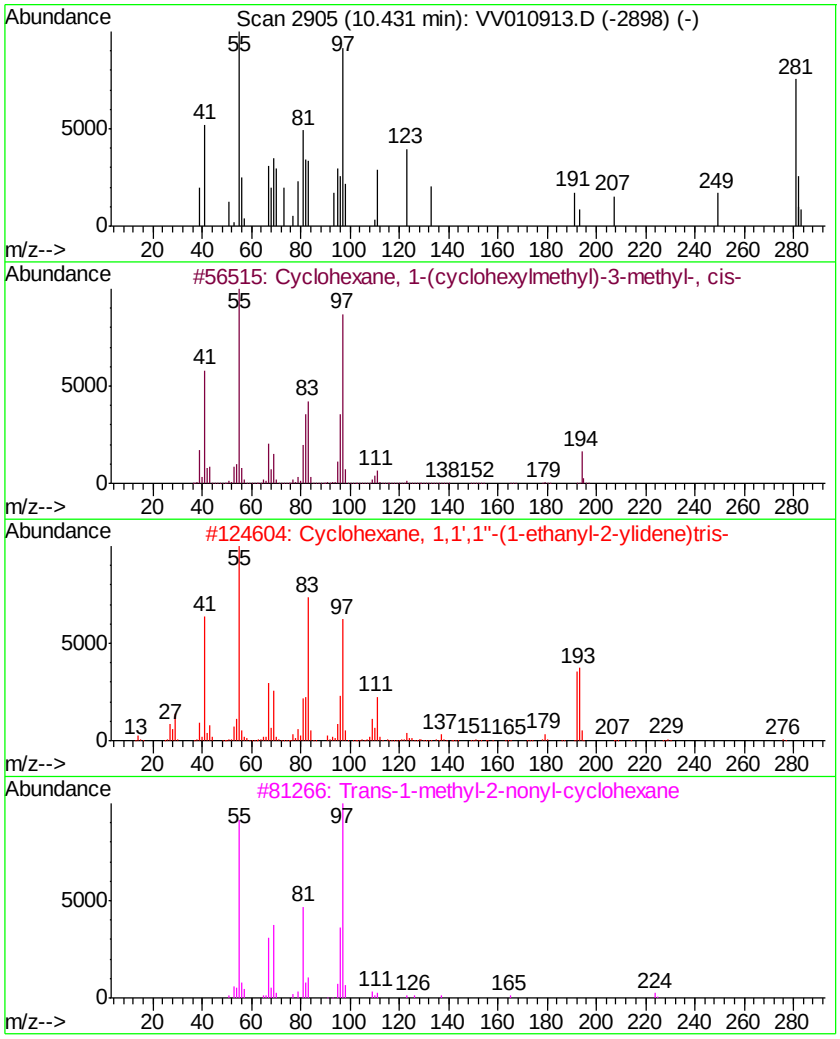
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

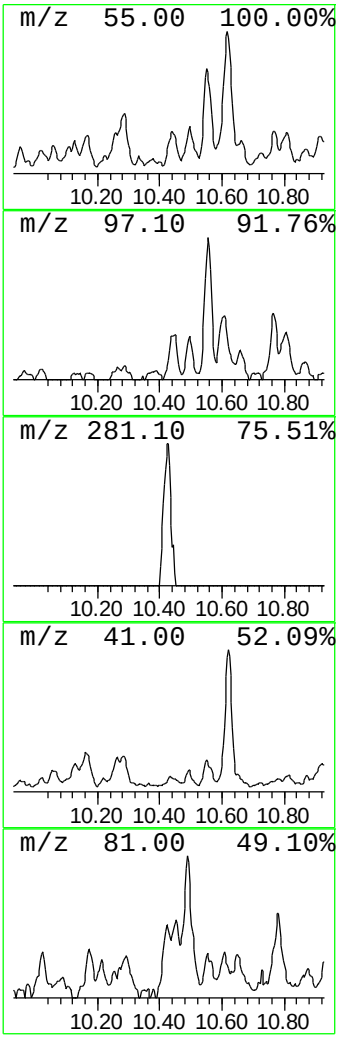
****

Peak Number 12 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	1.31 ug/L	16135	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-96-0	22
2	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	16
3	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	12
4	13-Octadecenal, (Z)-	266	C18H34O	058594-45-9	10
5	cis-11-Hexadecenal	238	C16H30O	053939-28-9	10





Library Search Compound Report

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Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

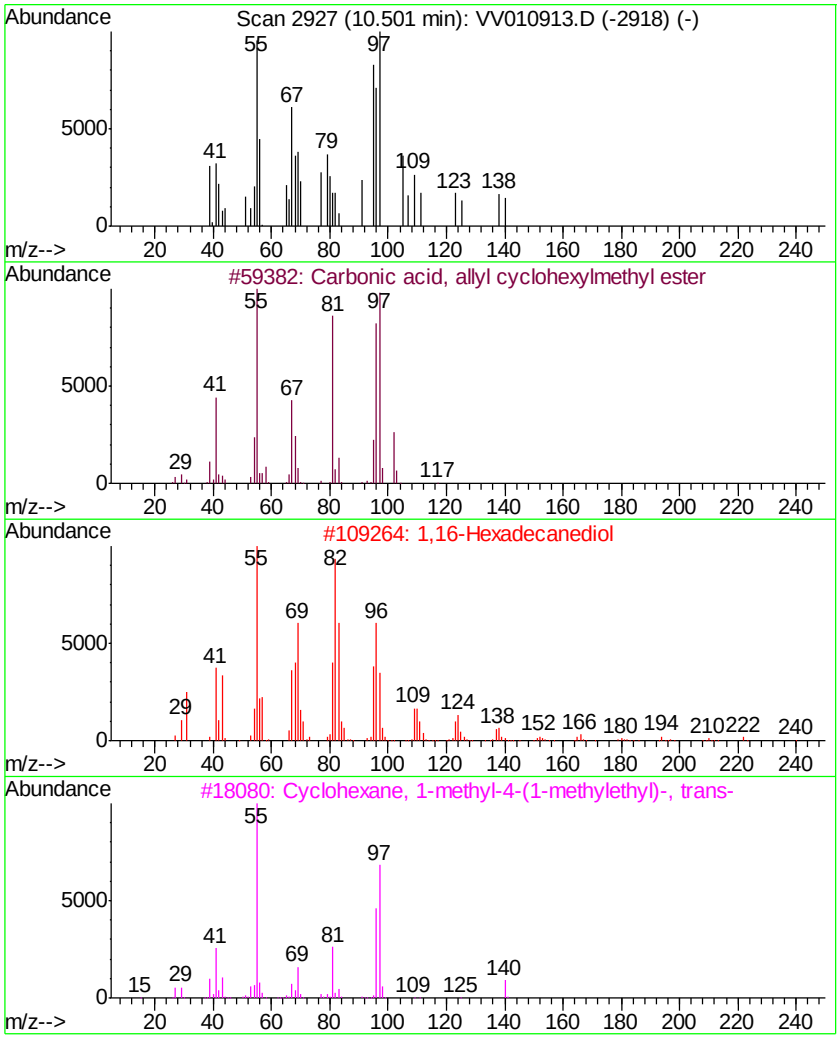
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

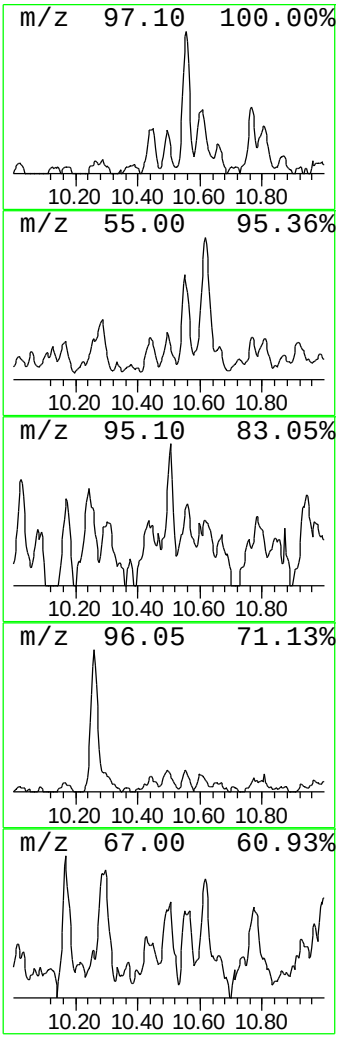
****

Peak Number 13 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	1.63 ug/L	20041	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, allyl cyclohexylm...	198	C11H18O3	1000357-80-7	47
2	1,16-Hexadecanediol	258	C16H34O2	007735-42-4	47
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38





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Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

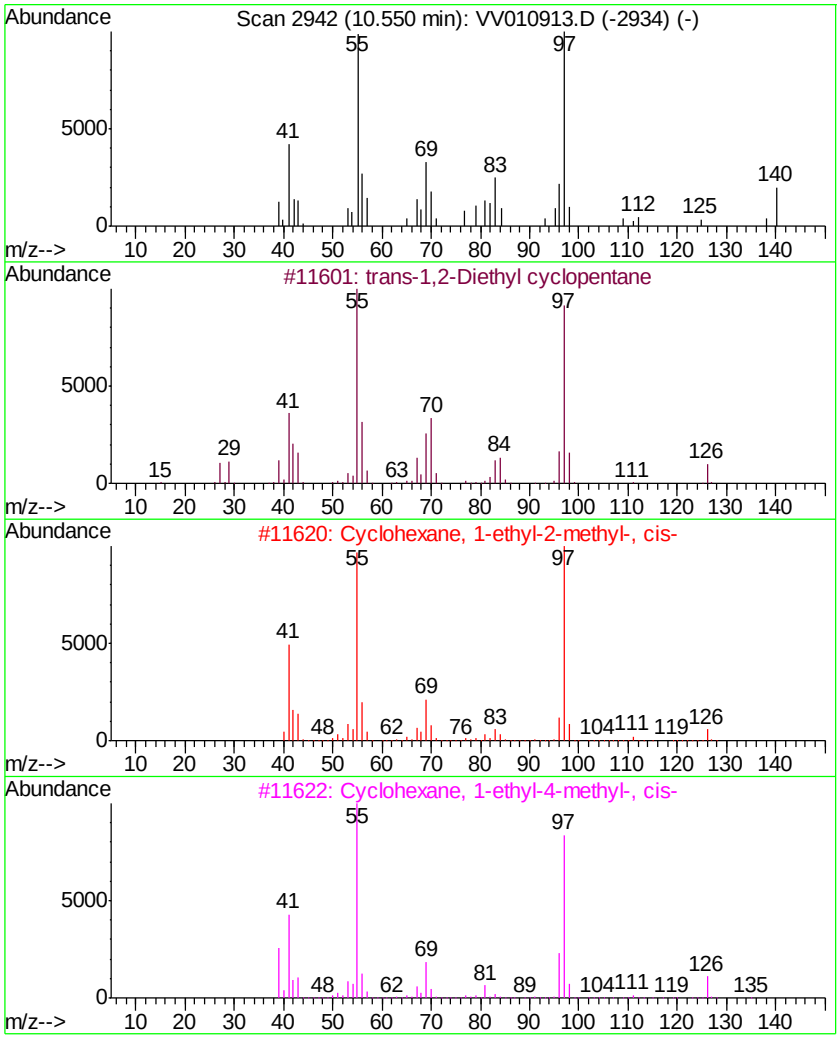
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

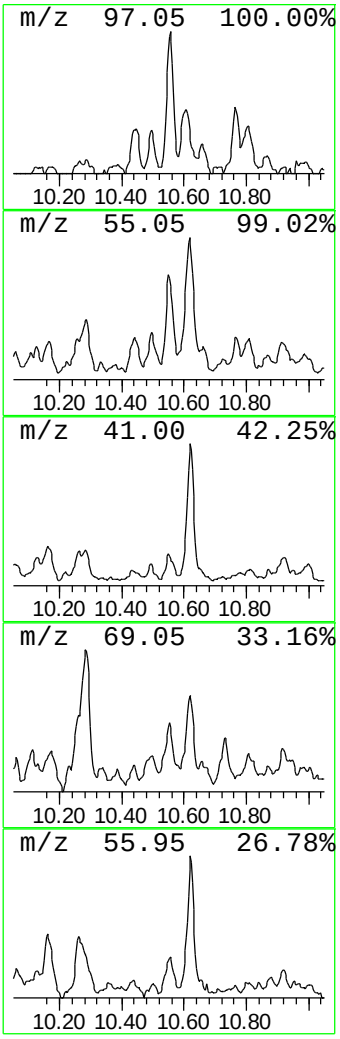
****

Peak Number 14 (DEL) Alkane: Cyclic10.55 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	2.62 ug/L	32268	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	59
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46





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Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

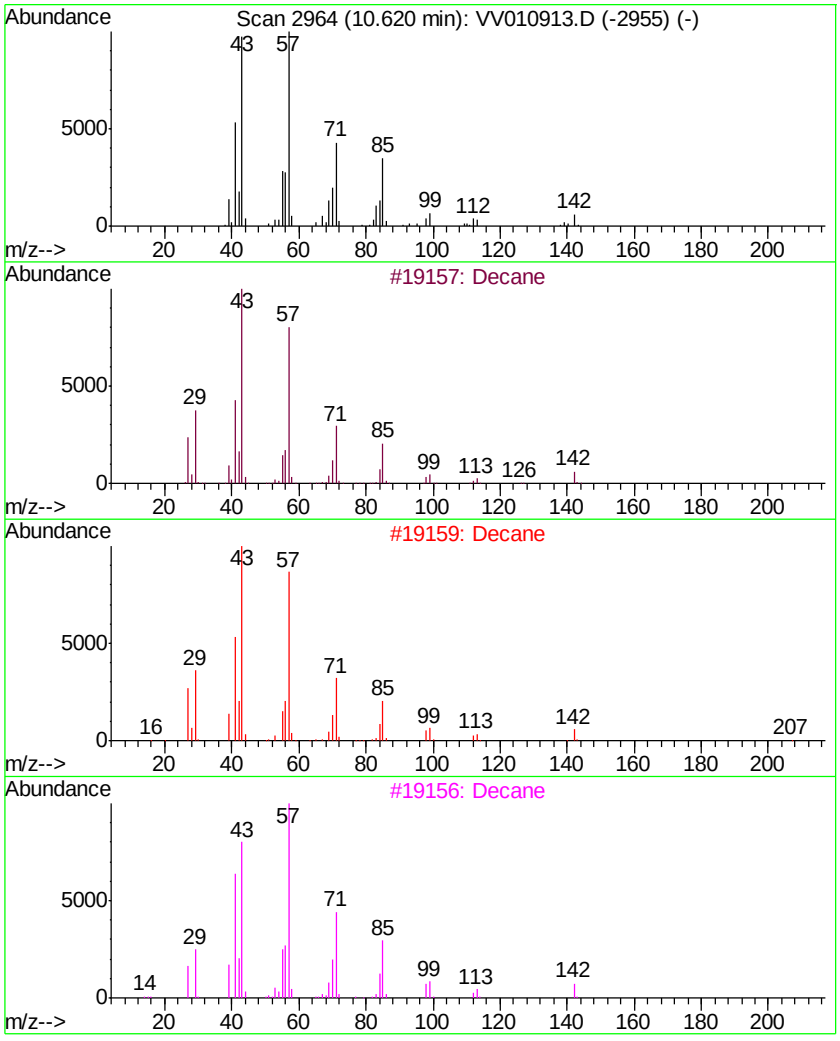
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

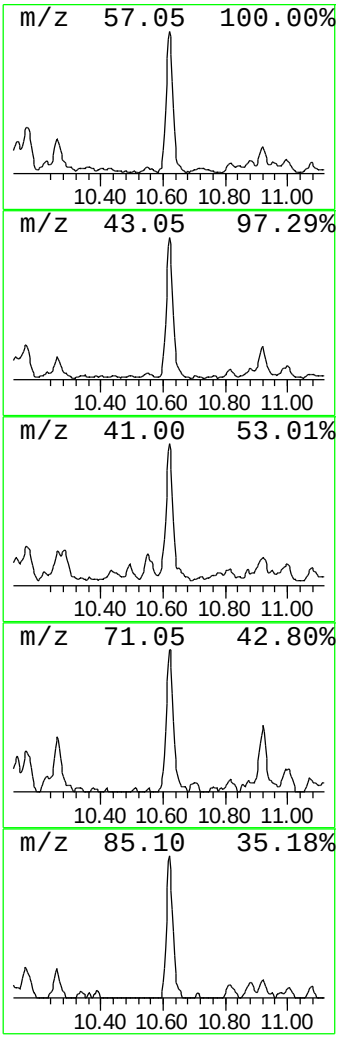
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	10.22 ug/L	126049	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane	142	C10H22	000124-18-5	87
3	Decane	142	C10H22	000124-18-5	86
4	Decane	142	C10H22	000124-18-5	81
5	Nonane	128	C9H20	000111-84-2	78





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

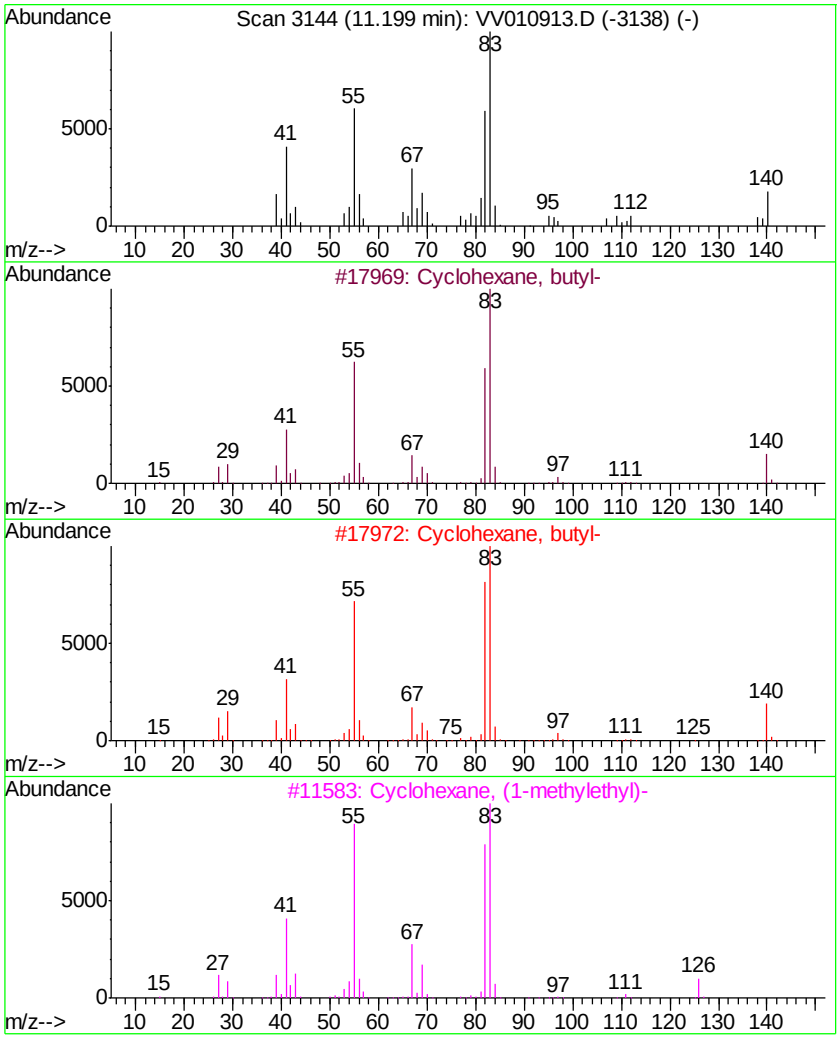
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

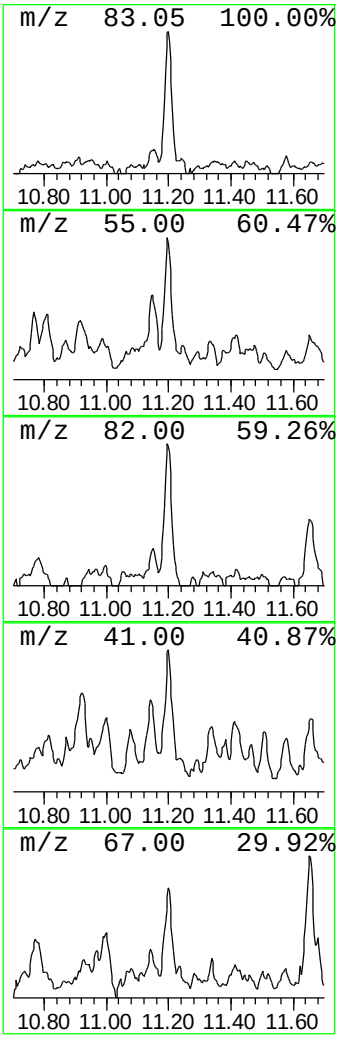
****

Peak Number 16 (DEL) Alkane: Cyclic11.20 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.21 ug/L	27232	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	64





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Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

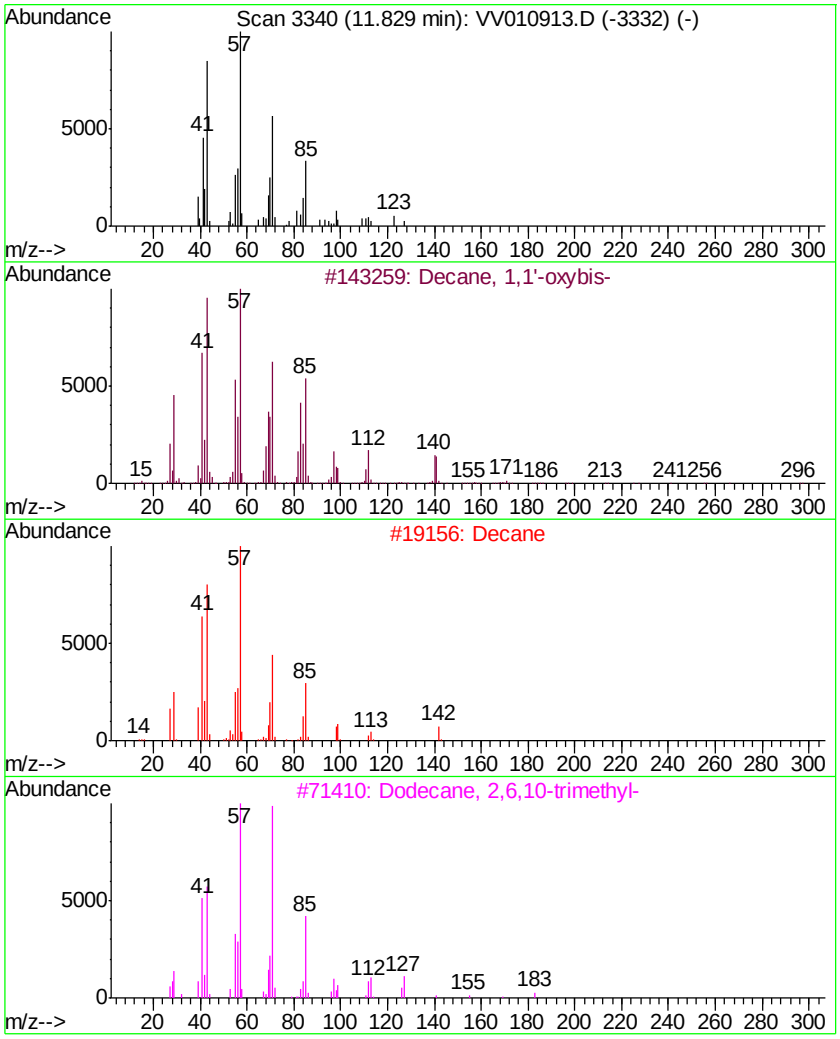
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

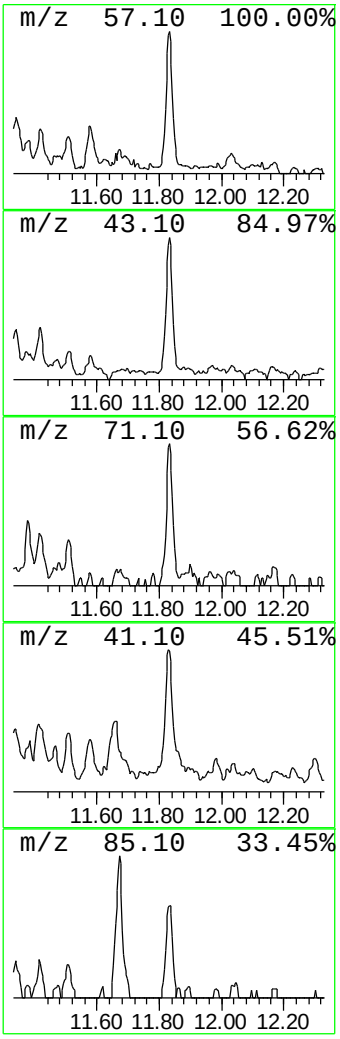
****

Peak Number 17 Decane, 1,1'-oxybis- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.49 ug/L	30749	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	83
2	Decane	142	C10H22	000124-18-5	83
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
5	1-Decene, 3,4-dimethyl-	168	C12H24	050871-03-9	53





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

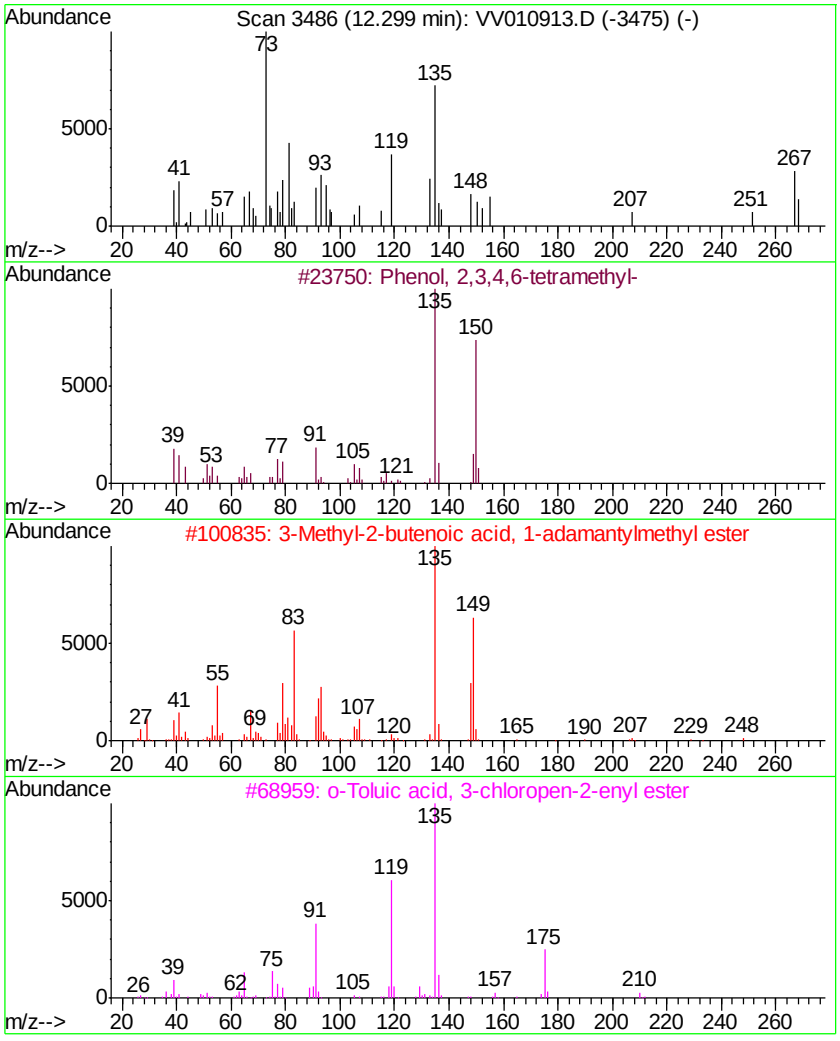
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

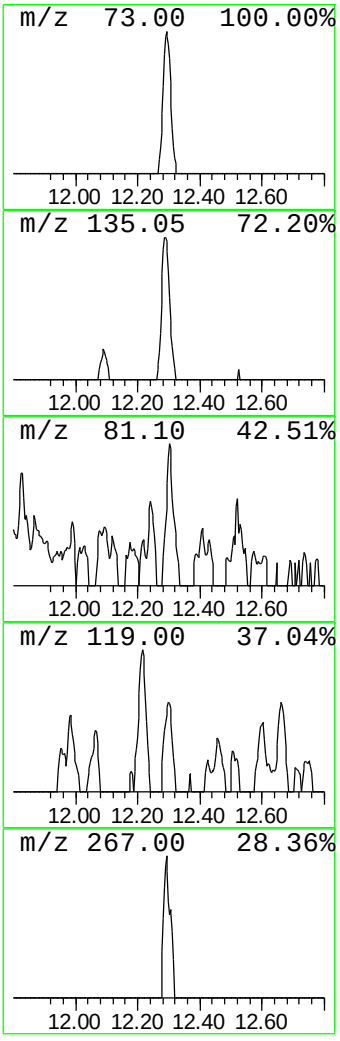
****

Peak Number 18 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1.87 ug/L	23075	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,4,6-tetramethyl-	150	C10H14O	003238-38-8	35
2	3-Methyl-2-butenoic acid, 1-adam...	248	C16H24O2	1000282-89-4	35
3	o-Toluic acid, 3-chloropen-2-eny...	210	C11H11ClO2	1000292-51-8	35
4	Propylidenemalononitrile, 2-meth...	150	C8H10N2O	1000149-21-2	35
5	Adipic acid, 1-adamantylmethyl e...	322	C19H30O4	1000324-38-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.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	15.5	ug/L	172238	1	5.66	278069	25.0
(DEL) Alkane: Str...	6.44	1.5	ug/L	16521	1	5.66	278069	25.0
(DEL) Alkane: Cyc...	8.55	1.5	ug/L	22951	2	8.89	372680	25.0
(DEL) Alkane: Str...	8.71	1.7	ug/L	25422	2	8.89	372680	25.0
(DEL) Alkane: Cyc...	8.83	2.0	ug/L	29917	2	8.89	372680	25.0
2-Hexanol, 2,5-di...	9.26	24.4	ug/L	363955	2	8.89	372680	25.0
(DEL) Alkane: Cyc...	9.52	2.3	ug/L	33516	2	8.89	372680	25.0
(DEL) Alkane: Str...	9.75	2.2	ug/L	32822	2	8.89	372680	25.0
(DEL) Alkane: Cyc...	9.84	2.6	ug/L	38817	2	8.89	372680	25.0
unknown-01	10.43	1.3	ug/L	16135	3	11.30	308267	25.0
unknown-02	10.50	1.6	ug/L	20041	3	11.30	308267	25.0
(DEL) Alkane: Cyc...	10.55	2.6	ug/L	32268	3	11.30	308267	25.0
(DEL) Alkane: Str...	10.62	10.2	ug/L	126049	3	11.30	308267	25.0
(DEL) Alkane: Cyc...	11.20	2.2	ug/L	27232	3	11.30	308267	25.0
Decane, 1,1'-oxybis-	11.83	2.5	ug/L	30749	3	11.30	308267	25.0
unknown-03	12.30	1.9	ug/L	23075	3	11.30	308267	25.0