LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.312	62	69	78	rVB	131160	134504	31.56%	5.095%
2	1.576	144	151	163	rVB	73754	82811	19.43%	3.137%
3	1.640	164	171	185	rVB	44205	56872	13.34%	2.154%
4	1.817	219	226	241	rVB	93313	128333	30.11%	4.861%
5	1.914	250	256	268	rVB	28506	36393	8.54%	1.379%
6	2.039	289	295	310	rVB2	22647	32425	7.61%	1.228%
7	2.126	311	322	336	rVV	164765	238670	56.00%	9.041%
8	2.193	336	343	364	rVB3	5633	11779	2.76%	0.446%
9	2.316	374	381	390	rBV4	1669	2544	0.60%	0.096%
10	2.791	516	529	541	rBV4	8710	16747	3.93%	0.634%
11	2.975	576	586	600	rVB5	2939	6210	1.46%	0.235%
12	3.071	605	616	634	rBV4	20044	39929	9.37%	1.513%
13	3.187	642	652	660	rBV4	2276	4387	1.03%	0.166%
14	3.370	705	709	712	rBV	244	235	0.06%	0.009%
15	3.402	712	719	727	rVV5	1558	2455	0.58%	0.093%
16	3.489	741	746	747	rBV2	666	589	0.14%	0.022%
17	3.615	778	785	786	rBV4	2340	2239	0.53%	0.085%
18	3.676	801	804	808	rBB	312	257	0.06%	0.010%
19	3.711	808	815	818	rBV3	993	1095	0.26%	0.041%
20	3.955	873	891	929	rBV6	31426	118803	27.87%	4.500%
21	4.303	997	999	1004	rVB2	453	233	0.05%	0.009%
22	4.399	1012	1029	1053	rBV	87191	214943	50.43%	8.142%
23	4.627	1097	1100	1103	rBV	168	178	0.04%	0.007%
24	4.724	1117	1130	1148	rBV5	7491	18567	4.36%	0.703%
25	4.804	1148	1155	1156	rBV2	1344	1327	0.31%	0.050%
26	4.885	1175	1180	1183	rBV	197	237	0.06%	0.009%
27	4.952	1189	1201	1218	rBV4	4703	10450	2.45%	0.396%
28	5.094	1226	1245	1277	rBV2	154054	426206	100.00%	16.145%
29	5.364	1322	1329	1330	rBV2	1533	1441	0.34%	0.055%
30	5.534	1374	1382	1394	rVV4	4967	8622	2.02%	0.327%
31	5.595	1394	1401	1404	rVV3	283	275	0.06%	0.010%
32	5.663	1409	1422	1445	rBV	95484	197270	46.29%	7.473%
33	5.833	1473	1475	1480	rVB2	264	230	0.05%	0.009%
34	5.952	1499	1512	1528	rBV4	14233	32101	7.53%	1.216%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
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Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	6.016	1528	1532	1535	rBV2	543	598	0.14%	0.023%
36	6.116	1549	1563	1577	rBV	109078	225098	52.81%	8.527%
37	6.238	1597	1601	1606	rBV4	815	850	0.20%	0.032%
38	6.290	1613	1617	1620	rBV2	555	524	0.12%	0.020%
39	6.405	1646	1653	1662	rBV7	1783	2843	0.67%	0.108%
40	6.508	1679	1685	1689	rBV2	477	575	0.13%	0.022%
41	6.692	1733	1742	1743	rBV3	1010	1117	0.26%	0.042%
42	6.778	1764	1769	1771	rBV	183	208	0.05%	0.008%
43	6.814	1776	1780	1784	rBV3	799	921	0.22%	0.035%
44	6.872	1797	1798	1800	rBV	366	195	0.05%	0.007%
45	6.907	1806	1809	1811	rVB	419	191	0.04%	0.007%
46	6.958	1820	1825	1827	rBV2	795	865	0.20%	0.033%
47	7.032	1835	1848	1866	rVV2	30454	55944	13.13%	2.119%
48	7.122	1870	1876	1884	rVB4	1744	2378	0.56%	0.090%
49	7.155	1884	1886	1889	rBV3	534	266	0.06%	0.010%
50	7.309	1925	1934	1938	rBV6	1783	2709	0.64%	0.103%
51	7.360	1939	1950	1965	rVV	98146	170149	39.92%	6.445%
52	7.611	2021	2028	2033	rBV5	668	840	0.20%	0.032%
53	7.666	2035	2045	2066	rVB2	13408	24810	5.82%	0.940%
54	7.823	2091	2094	2096	rBV2	760	554	0.13%	0.021%
55	7.929	2125	2127	2132	rVB	334	210	0.05%	0.008%
56	7.981	2134	2143	2149	rBV4	1147	2090	0.49%	0.079%
57	8.016	2149	2154	2163	rVV5	2436	3714	0.87%	0.141%
58	8.071	2167	2171	2173	rBV	175	169	0.04%	0.006%
59	8.138	2181	2192	2205	rBV2	29755	61310	14.39%	2.322%
60	8.335	2247	2253	2259	rBV3	1091	1290	0.30%	0.049%
61	8.463	2289	2293	2298	rBV2	529	685	0.16%	0.026%
62	8.502	2303	2305	2309	rBV	387	310	0.07%	0.012%
63	8.634	2341	2346	2350	rBV	330	362	0.08%	0.014%
64	8.656	2350	2353	2361	rVB3	411	463	0.11%	0.018%
65	8.704	2362	2368	2373	rBV3	561	872	0.20%	0.033%
66	8.827	2402	2406	2408	rBV2	493	393	0.09%	0.015%
67	8.897	2417	2428	2446	rBV	51539	88269	20.71%	3.344%
68	9.119	2491	2497	2500	rBV	209	287	0.07%	0.011%
69	9.183	2510	2517	2529	rBB7	1743	3434	0.81%	0.130%
70	9.515	2616	2620	2622	rBV3	493	399	0.09%	0.015%
71	9.849	2718	2724	2725	rBV3	295	291	0.07%	0.011%

LSC Area Percent Report

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Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	9.945	2751	2754	2755	rBV3	494	279	0.07%	0.011%
73	9.978	2759	2764	2768	rVV	850	713	0.17%	0.027%
74	10.264	2841	2853	2870	rVB	58672	94380	22.14%	3.575%
75	10.428	2896	2904	2914	rVB3	4428	7105	1.67%	0.269%
76	10.621	2961	2964	2968	rBV2	462	431	0.10%	0.016%
77	11.203	3142	3145	3151	rVB2	211	163	0.04%	0.006%
78	11.235	3151	3155	3158	rBV	373	231	0.05%	0.009%
79	11.302	3167	3176	3192	rVB4	10401	20178	4.73%	0.764%
80	11.463	3223	3226	3228	rBV2	326	211	0.05%	0.008%
81	11.592	3259	3266	3269	rBV4	558	753	0.18%	0.029%
82	11.678	3283	3293	3308	rVB2	13285	22501	5.28%	0.852%
83	11.749	3313	3315	3320	rBV	177	177	0.04%	0.007%
84	11.868	3347	3352	3354	rBV	504	492	0.12%	0.019%
85	11.994	3387	3391	3396	rBV3	317	314	0.07%	0.012%
86	12.277	3476	3479	3481	rBV2	426	273	0.06%	0.010%
87	12.293	3481	3484	3492	rVB2	982	1183	0.28%	0.045%
88	12.344	3497	3500	3504	rBV	221	219	0.05%	0.008%
89	12.431	3524	3527	3531	rVB2	341	263	0.06%	0.010%
90	12.463	3531	3537	3544	rBV3	973	1117	0.26%	0.042%
91	12.900	3670	3673	3675	rBV	381	267	0.06%	0.010%
92	13.264	3782	3786	3789	rBV	354	256	0.06%	0.010%
93	13.453	3841	3845	3849	rBV3	474	349	0.08%	0.013%
94	13.476	3850	3852	3854	rBV2	314	173	0.04%	0.007%
95	13.649	3903	3906	3909	rBV2	386	240	0.06%	0.009%
96	13.797	3947	3952	3957	rBV4	1134	1050	0.25%	0.040%
97	13.830	3959	3962	3965	rVV	325	210	0.05%	0.008%
98	14.016	4018	4020	4023	rBV2	370	183	0.04%	0.007%
99	14.231	4084	4087	4092	rBV2	327	317	0.07%	0.012%
100	14.412	4141	4143	4148	rBV2	331	318	0.07%	0.012%

Sum of corrected areas: 2639886

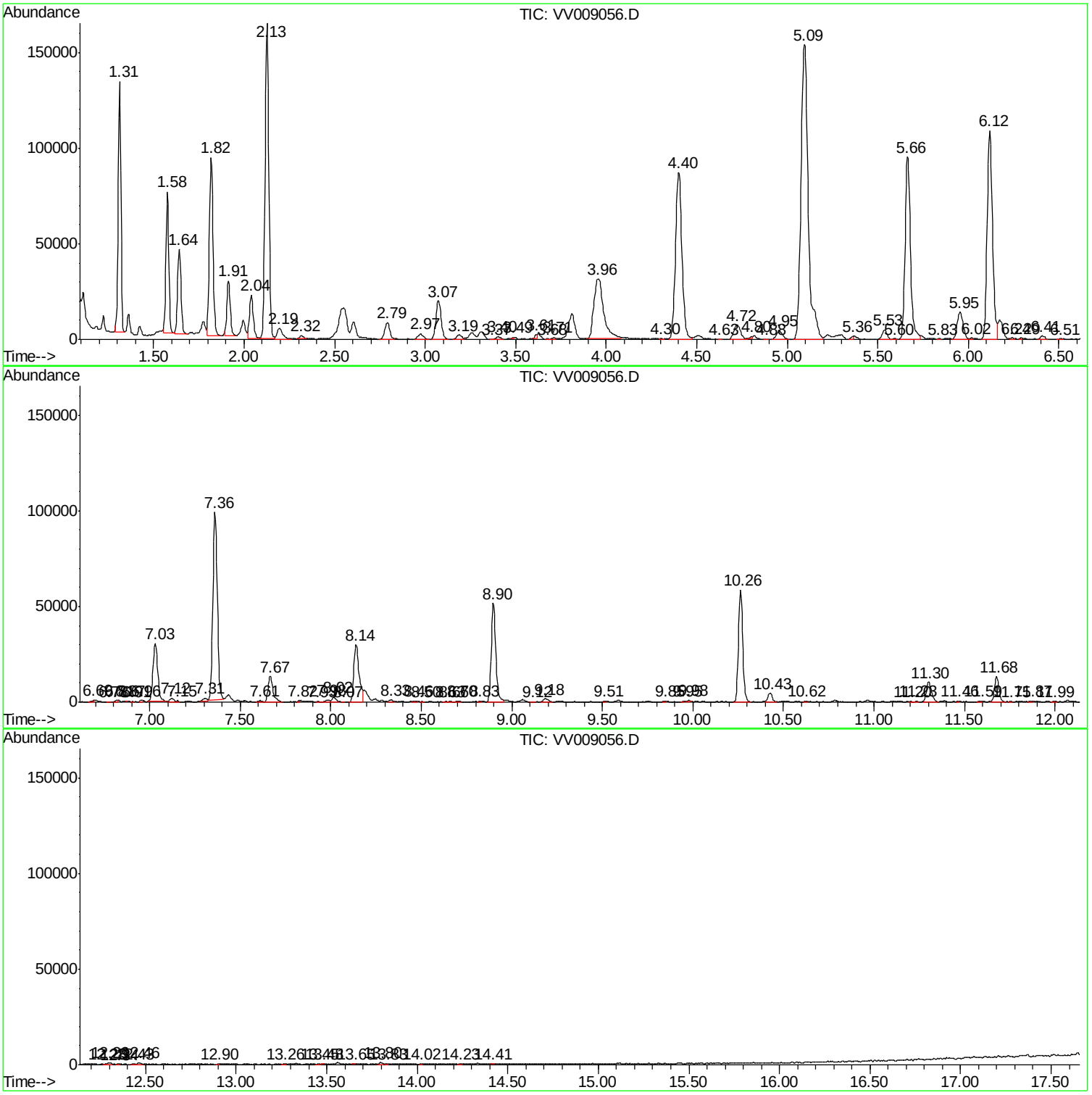
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG2

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

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

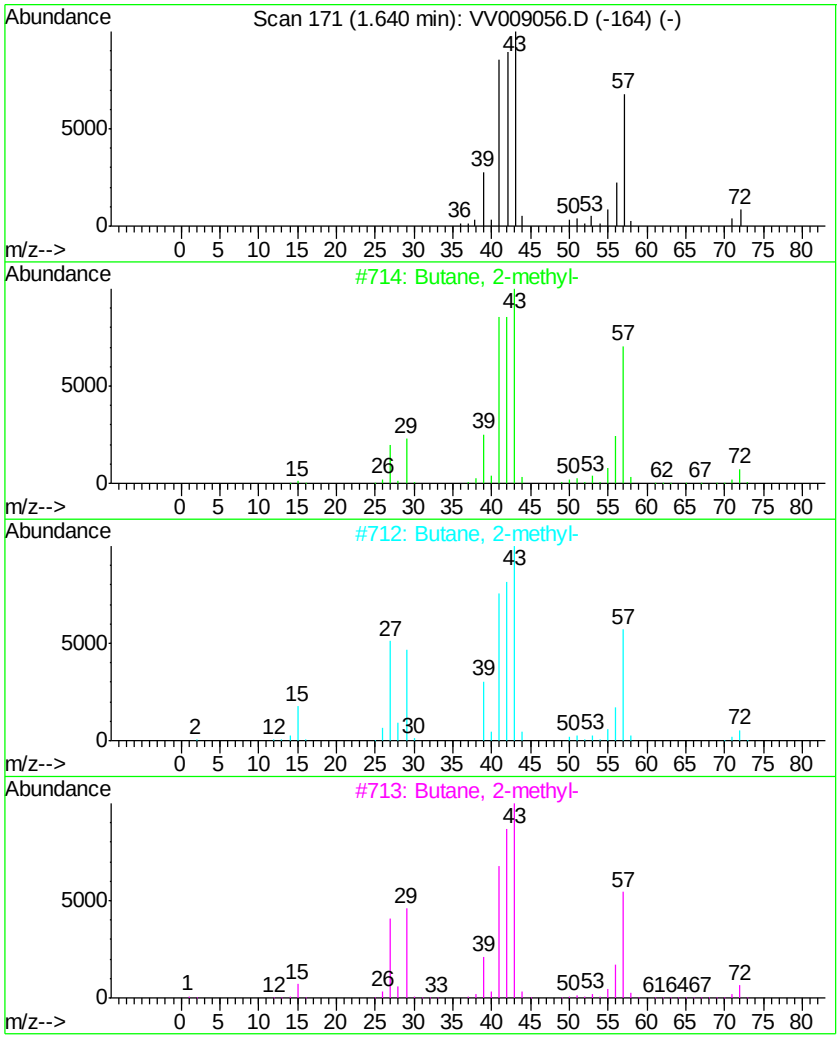
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

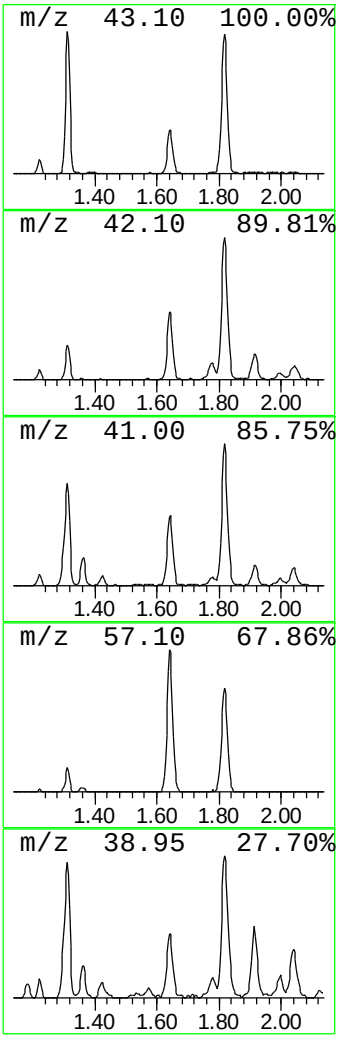
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.64	7.21 ug/L	56872	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	91
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

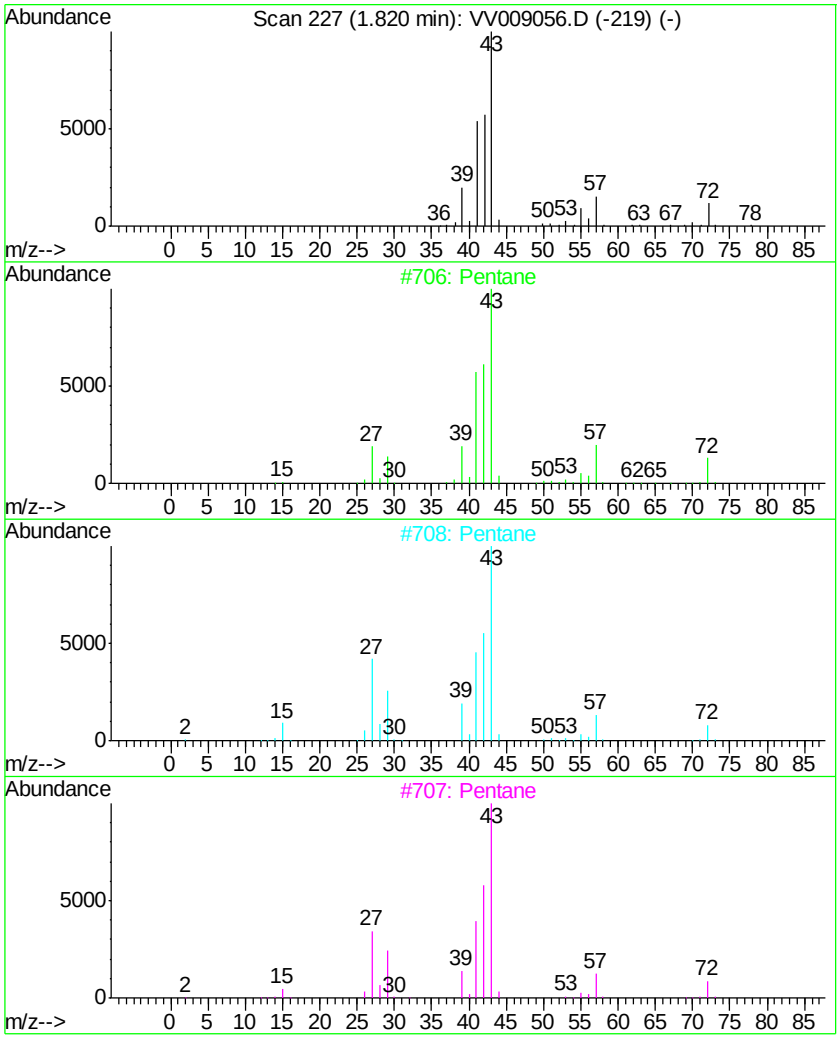
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

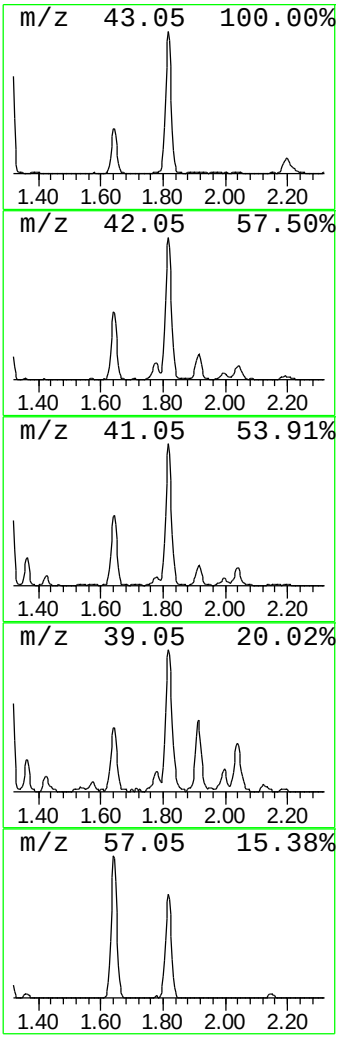
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	16.26 ug/L	128333	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	78
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	43





Library Search Compound Report

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Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

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

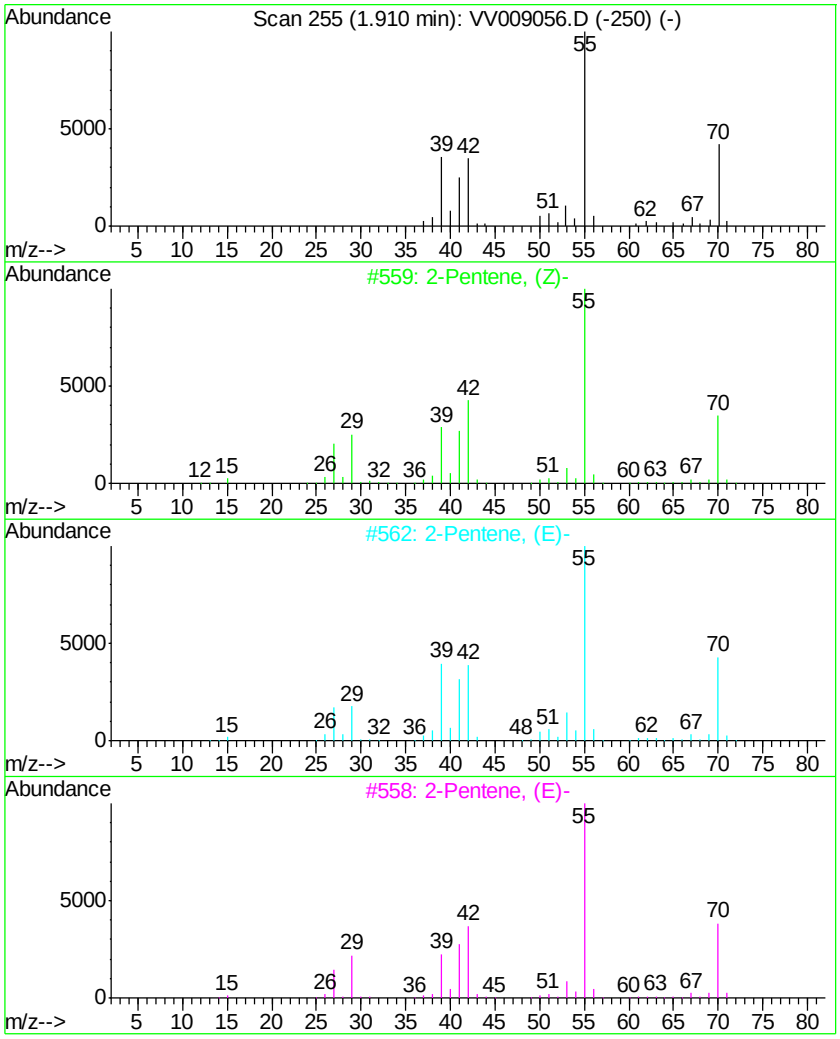
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

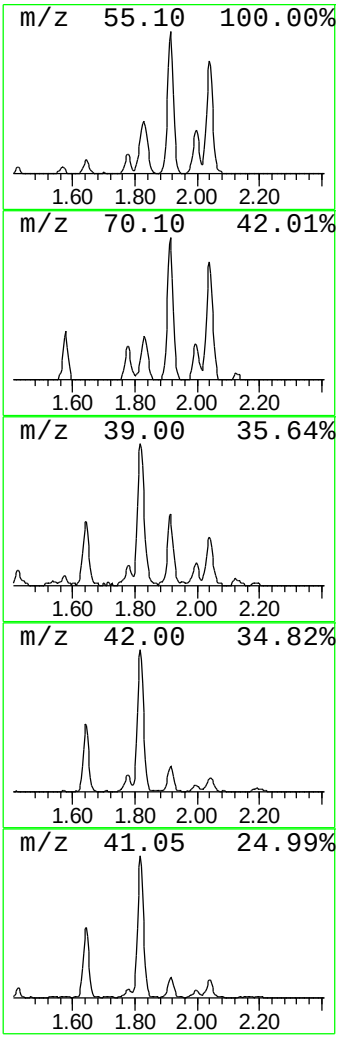
****

Peak Number 3 (DEL) Alkane: Cyclic1.91 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.91	4.61 ug/L	36393	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2	2-Pentene, (E)-	70	C5H10	000646-04-8	87
3	2-Pentene, (E)-	70	C5H10	000646-04-8	86
4	2-Pentene, (E)-	70	C5H10	000646-04-8	86
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

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

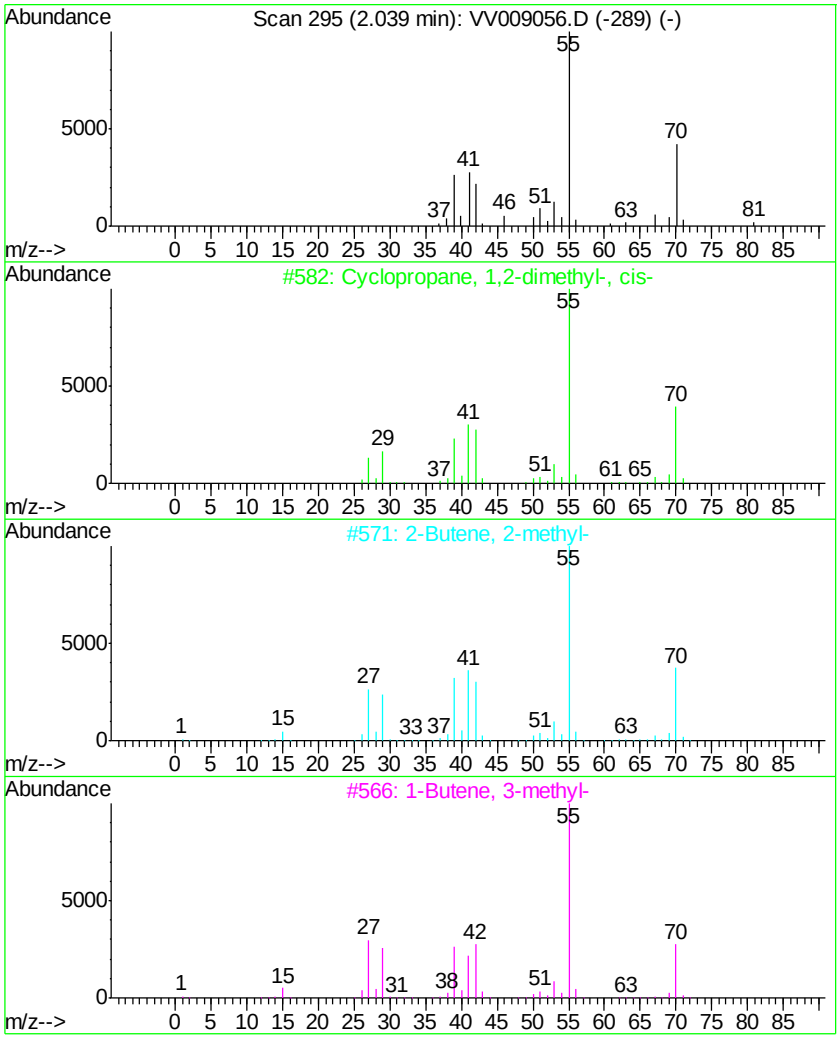
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

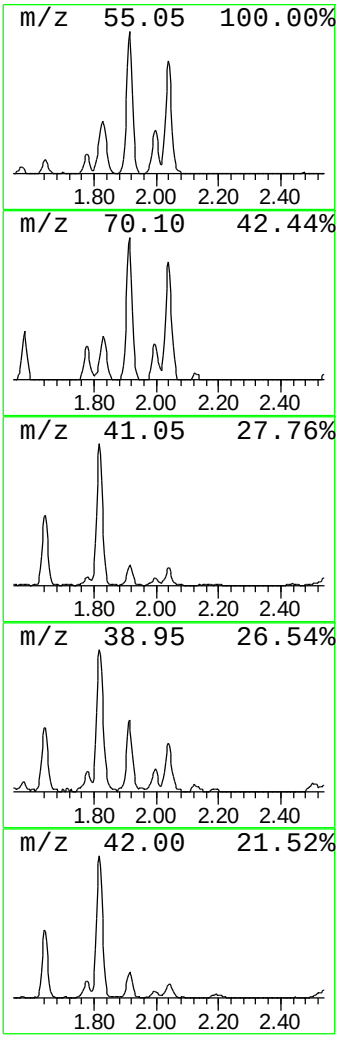
****

Peak Number 4 (DEL) Alkane: Cyclic2.04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	4.11 ug/L	32425	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	80
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	72
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	72
4	2-Methyl-1-butene	70	C5H10	000563-46-2	72
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	72





Library Search Compound Report

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Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

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

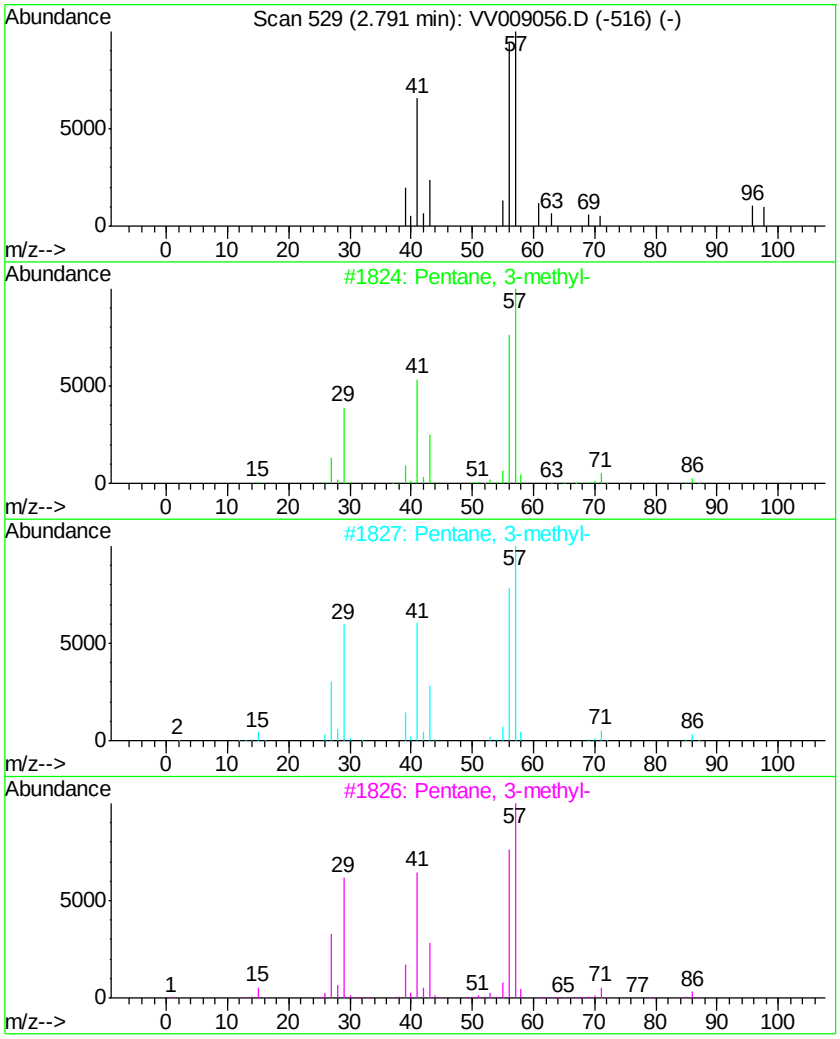
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

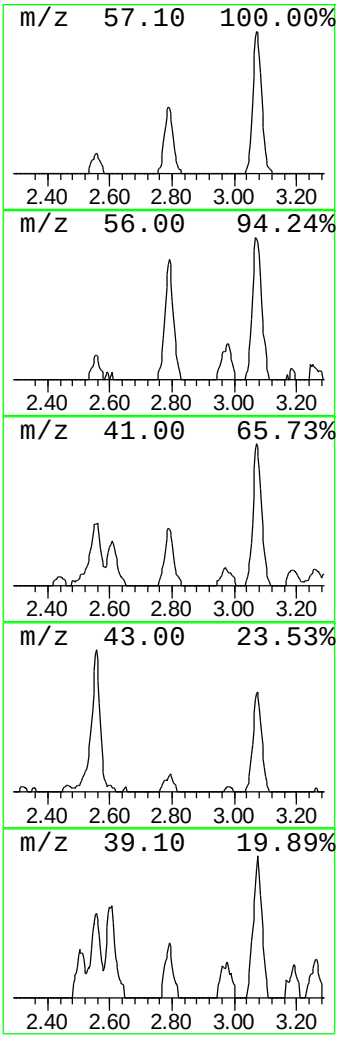
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	2.12 ug/L	16747	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	42
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	36
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	36
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	36
5	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

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

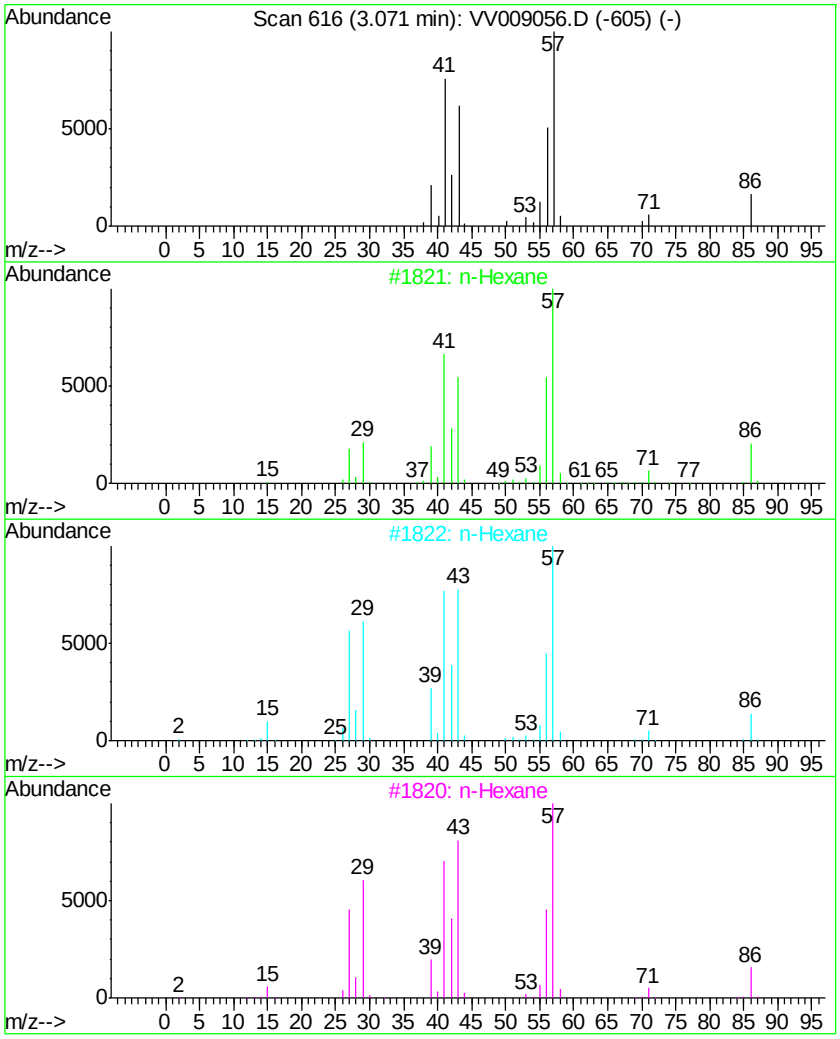
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

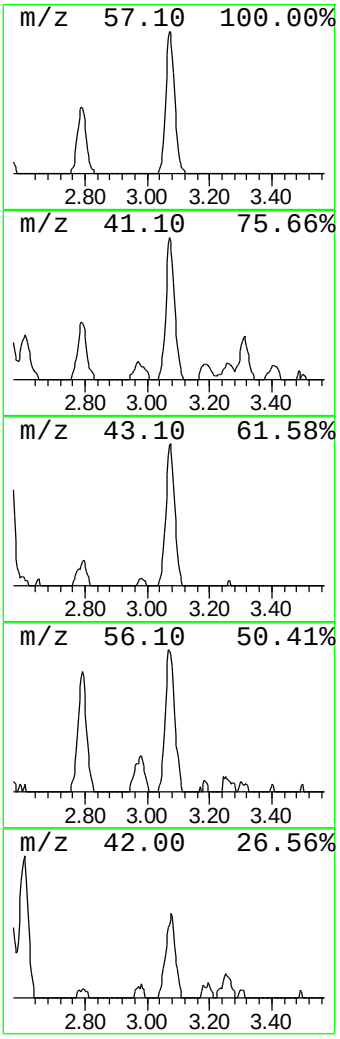
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	5.06 ug/L	39929	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	64
3	n-Hexane	86	C6H14	000110-54-3	59
4	Cyclobutane	56	C4H8	000287-23-0	38
5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

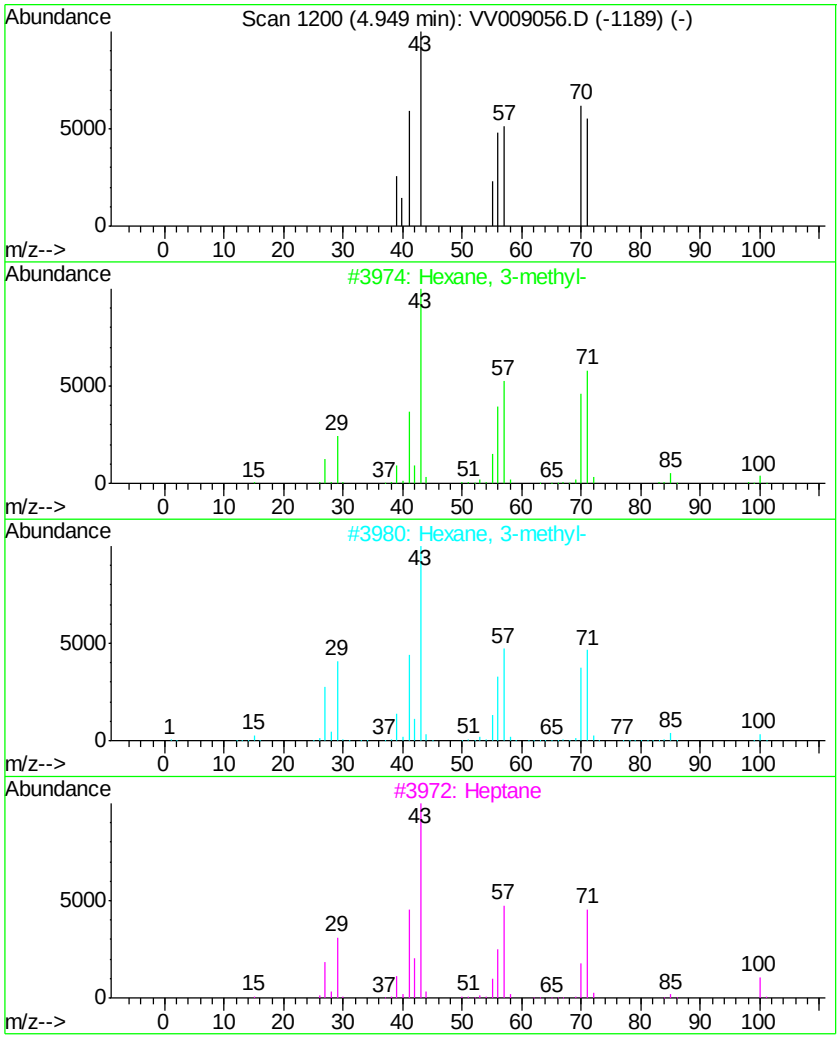
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

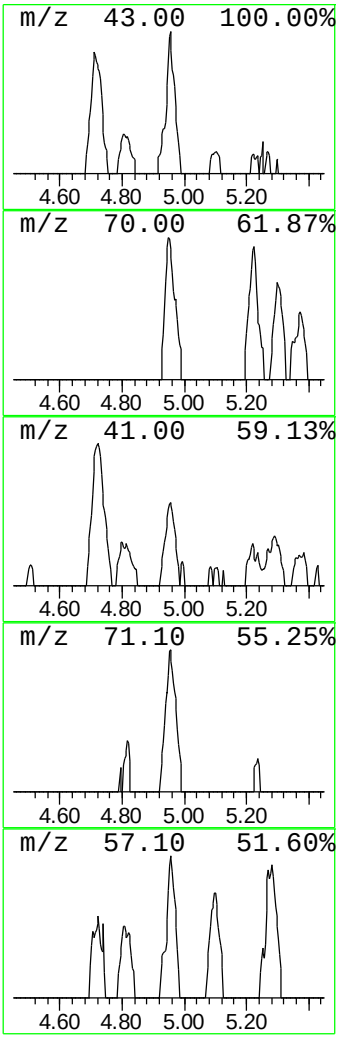
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	1.32 ug/L	10450	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	56
3	Heptane	100	C7H16	000142-82-5	47
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	40
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG2

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.64	7.2	ug/L	56872	1	5.66	197270	25.0
(DEL) Alkane: Str...	1.82	16.3	ug/L	128333	1	5.66	197270	25.0
(DEL) Alkane: Cyc...	1.91	4.6	ug/L	36393	1	5.66	197270	25.0
(DEL) Alkane: Cyc...	2.04	4.1	ug/L	32425	1	5.66	197270	25.0
(DEL) Alkane: Str...	2.79	2.1	ug/L	16747	1	5.66	197270	25.0
(DEL) Alkane: Str...	3.07	5.1	ug/L	39929	1	5.66	197270	25.0
(DEL) Alkane: Str...	4.95	1.3	ug/L	10450	1	5.66	197270	25.0