LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

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\SOM2VLM010819S.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	1.316	63	70	83	rVB	120114	123869	15.51%	1.822%
2	1.582	146	153	165	rBV	83339	90418	11.32%	1.330%
3	2.052	296	299	311	rVB6	3251	4204	0.53%	0.062%
4	2.129	312	323	333	rBV	234797	332691	41.65%	4.894%
5	2.309	376	379	380	rBV	417	255	0.03%	0.004%
6	2.537	439	450	461	rBV	63895	104155	13.04%	1.532%
7	2.605	461	471	481	rVB2	19262	32954	4.13%	0.485%
8	2.714	499	505	507	rBV2	495	626	0.08%	0.009%
9	3.074	608	617	627	rBV5	3050	5459	0.68%	0.080%
10	3.290	678	684	689	rBV2	380	692	0.09%	0.010%
11	3.811	845	846	852	rBV	309	272	0.03%	0.004%
12	3.965	877	894	900	rBV2	27633	74725	9.35%	1.099%
13	4.402	1012	1030	1059	rBV	133067	324176	40.58%	4.769%
14	4.721	1124	1129	1135	rVB3	802	819	0.10%	0.012%
15	4.952	1197	1201	1205	rVV2	435	426	0.05%	0.006%
16	5.097	1226	1246	1258	rBV2	325979	798780	100.00%	11.750%
17	5.344	1316	1323	1332	rBV4	861	1580	0.20%	0.023%
18	5.528	1373	1380	1381	rBV3	488	453	0.06%	0.007%
19	5.544	1383	1385	1389	rVB2	537	304	0.04%	0.004%
20	5.589	1393	1399	1400	rBV2	457	422	0.05%	0.006%
21	5.666	1408	1423	1441	rBV	244920	480424	60.14%	7.067%
22	5.897	1492	1495	1500	rVB3	281	263	0.03%	0.004%
23	5.962	1502	1515	1532	rBV	87079	170717	21.37%	2.511%
24	6.119	1548	1564	1583	rBV	173502	350938	43.93%	5.162%
25	6.251	1599	1605	1610	rBV5	683	822	0.10%	0.012%
26	6.640	1719	1726	1729	rBV2	220	319	0.04%	0.005%
27	6.733	1751	1755	1757	rBV	361	278	0.03%	0.004%
28	7.032	1836	1848	1869	rBV	100545	182103	22.80%	2.679%
29	7.200	1895	1900	1906	rVB3	572	602	0.08%	0.009%
30	7.286	1919	1927	1930	rBV4	1426	1303	0.16%	0.019%
31	7.360	1937	1950	1963	rBV	392746	680094	85.14%	10.004%
32	7.431	1964	1972	1994	rVB	87654	153225	19.18%	2.254%
33	7.666	2033	2045	2065	rBV	67318	118770	14.87%	1.747%
34	7.788	2080	2083	2085	rBV2	356	274	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

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\SOM2VLM010819S.M
Title : VOC Analysis

35	7.990	2135	2146	2152	rBV3	3736	6961	0.87%	0.102%
36	8.048	2161	2164	2166	rBV2	390	259	0.03%	0.004%
37	8.077	2170	2173	2178	rVB3	540	484	0.06%	0.007%
38	8.148	2183	2195	2226	rBV2	96240	211607	26.49%	3.113%
39	8.534	2310	2315	2318	rBV2	263	274	0.03%	0.004%
40	8.897	2415	2428	2448	rBV	345416	578722	72.45%	8.513%
41	9.058	2470	2478	2486	rBV3	2445	3379	0.42%	0.050%
42	9.113	2491	2495	2498	rBV2	536	439	0.05%	0.006%
43	9.183	2511	2517	2530	rVB3	1289	2066	0.26%	0.030%
44	9.312	2548	2557	2560	rBV2	327	465	0.06%	0.007%
45	9.588	2632	2643	2647	rBV3	1750	2652	0.33%	0.039%
46	9.730	2684	2687	2691	rVB	354	276	0.03%	0.004%
47	9.823	2711	2716	2722	rVB2	271	332	0.04%	0.005%
48	9.910	2738	2743	2745	rBV2	438	329	0.04%	0.005%
49	9.981	2761	2765	2771	rVB2	806	684	0.09%	0.010%
50	10.061	2784	2790	2792	rBV2	352	300	0.04%	0.004%
51	10.174	2816	2825	2834	rVB4	7685	12182	1.53%	0.179%
52	10.264	2840	2853	2870	rVV	182237	290773	36.40%	4.277%
53	10.338	2873	2876	2879	rVV3	994	984	0.12%	0.014%
54	10.363	2879	2884	2892	rVV5	2520	3971	0.50%	0.058%
55	10.428	2894	2904	2917	rVV	27123	45285	5.67%	0.666%
56	10.495	2923	2925	2931	rVB3	527	422	0.05%	0.006%
57	10.621	2955	2964	2970	rBV3	3974	6145	0.77%	0.090%
58	10.707	2986	2991	2996	rVB5	868	883	0.11%	0.013%
59	10.797	3011	3019	3020	rBV4	615	647	0.08%	0.010%
60	10.878	3033	3044	3052	rBV4	2942	5153	0.65%	0.076%
61	10.961	3055	3070	3080	rVV	18553	28969	3.63%	0.426%
62	11.080	3098	3107	3118	rBV2	7929	12500	1.56%	0.184%
63	11.135	3118	3124	3125	rBV2	445	399	0.05%	0.006%
64	11.193	3132	3142	3151	rBV3	30371	49282	6.17%	0.725%
65	11.235	3152	3155	3163	rVV6	3092	3520	0.44%	0.052%
66	11.296	3163	3174	3190	rVV	366160	577724	72.33%	8.498%
67	11.367	3190	3196	3207	rVB3	6323	8855	1.11%	0.130%
68	11.437	3208	3218	3224	rVV3	20325	34066	4.26%	0.501%
69	11.476	3224	3230	3239	rVB	23362	33369	4.18%	0.491%
70	11.672	3279	3291	3313	rVB	389315	632707	79.21%	9.307%
71	11.833	3333	3341	3349	rBV4	5553	8155	1.02%	0.120%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

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\SOM2VLM010819S.M
Title : VOC Analysis

72	11.894	3353	3360	3372	rVB6	3881	8350	1.05%	0.123%
73	12.235	3460	3466	3469	rBV6	1225	1427	0.18%	0.021%
74	12.302	3476	3487	3501	rBV2	13216	25380	3.18%	0.373%
75	12.392	3511	3515	3516	rBV3	658	401	0.05%	0.006%
76	12.457	3530	3535	3538	rBV5	1430	1447	0.18%	0.021%
77	12.514	3551	3553	3556	rVB3	842	501	0.06%	0.007%
78	12.640	3586	3592	3601	rBV6	2010	3344	0.42%	0.049%
79	12.694	3604	3609	3617	rVB4	1647	1855	0.23%	0.027%
80	12.884	3661	3668	3669	rBV3	509	531	0.07%	0.008%
81	12.900	3669	3673	3676	rVV4	992	823	0.10%	0.012%
82	12.936	3676	3684	3694	rVB4	4353	6133	0.77%	0.090%
83	12.984	3694	3699	3702	rBV2	292	310	0.04%	0.005%
84	13.026	3708	3712	3716	rBV2	392	338	0.04%	0.005%
85	13.080	3725	3729	3733	rBV2	420	333	0.04%	0.005%
86	13.096	3733	3734	3741	rVB3	369	345	0.04%	0.005%
87	13.270	3785	3788	3790	rBV	426	287	0.04%	0.004%
88	13.312	3796	3801	3802	rBV2	1795	1367	0.17%	0.020%
89	13.556	3870	3877	3890	rVB3	2051	3398	0.43%	0.050%
90	13.608	3890	3893	3896	rBV	301	286	0.04%	0.004%
91	13.694	3917	3920	3924	rBV2	666	490	0.06%	0.007%
92	13.797	3945	3952	3959	rVB4	2332	2780	0.35%	0.041%
93	13.952	3995	4000	4011	rVB7	2160	3163	0.40%	0.047%
94	14.003	4011	4016	4019	rBV3	692	814	0.10%	0.012%
95	14.177	4064	4070	4071	rBV4	903	698	0.09%	0.010%
96	14.202	4071	4078	4084	rBV7	1307	2099	0.26%	0.031%
97	14.251	4090	4093	4096	rBV4	929	660	0.08%	0.010%
98	14.559	4184	4189	4197	rBV7	9008	11414	1.43%	0.168%
99	14.704	4228	4234	4242	rBV3	14016	19319	2.42%	0.284%
100	14.897	4286	4294	4303	rBV	66801	97185	12.17%	1.430%

Sum of corrected areas: 6798110

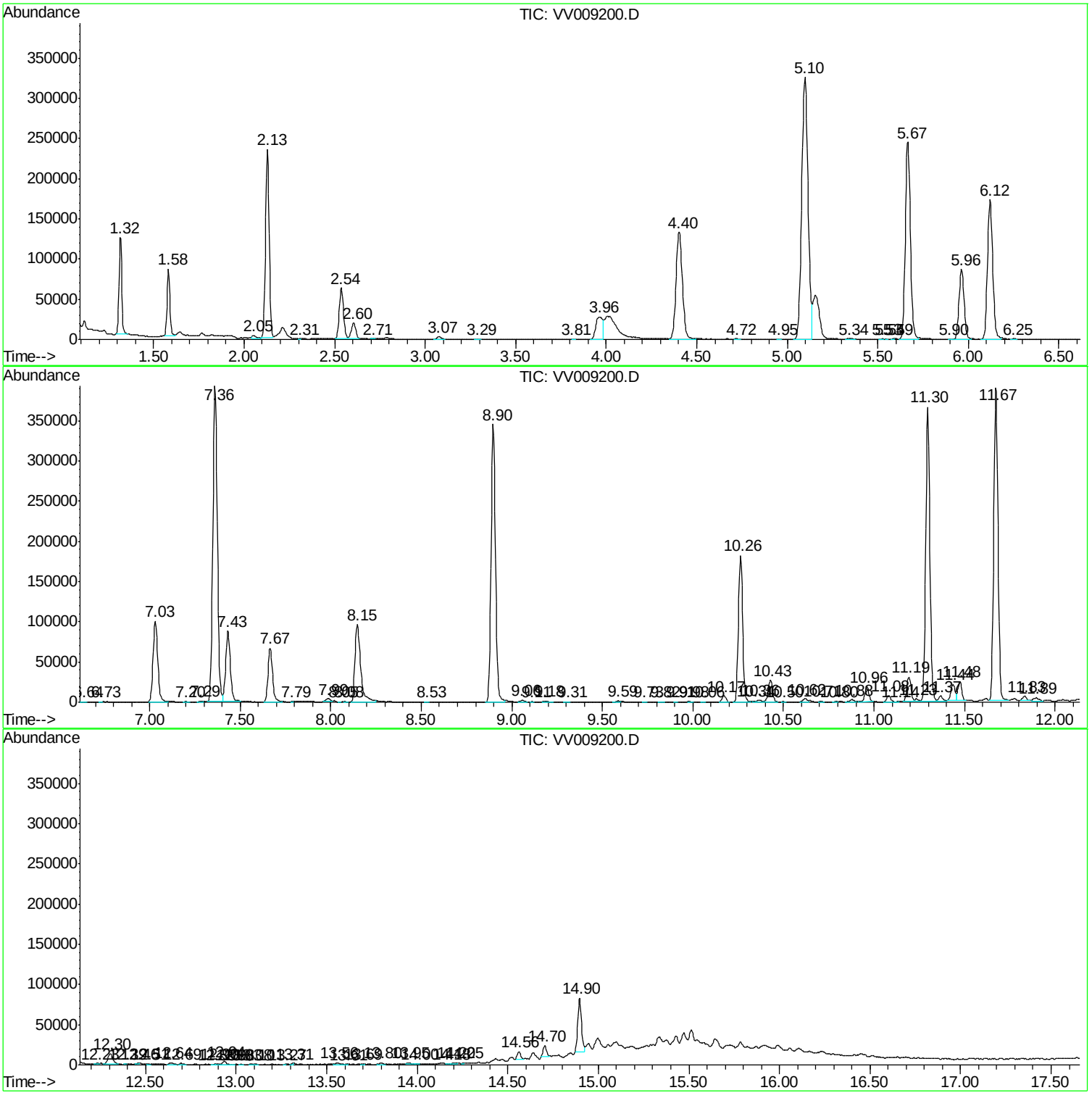
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.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\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis

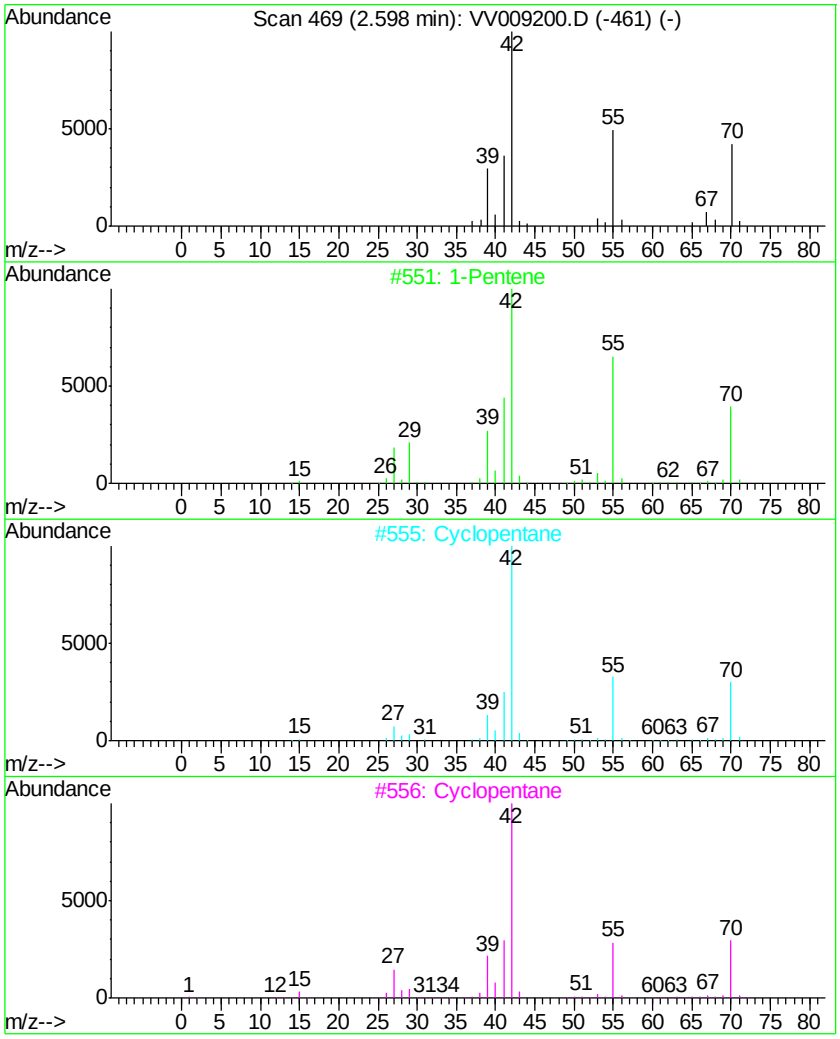
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

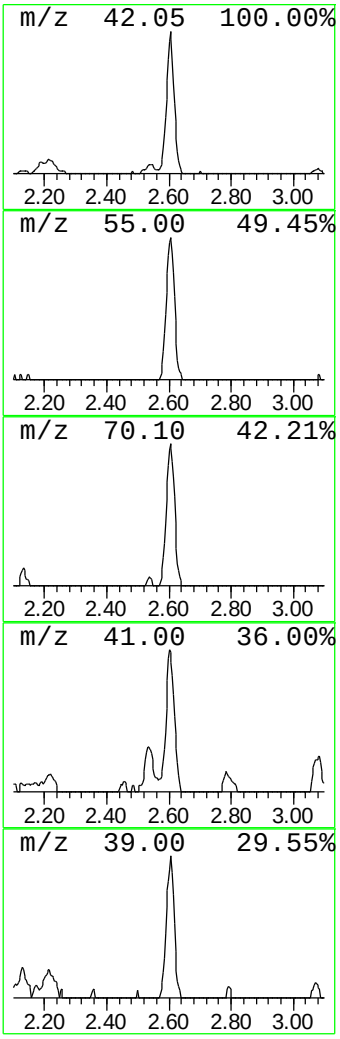
****

Peak Number 1 (DEL) Alkane: Cyclic2.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	1.71 ug/L	32954	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	86
2	Cyclopentane	70	C5H10	000287-92-3	86
3	Cyclopentane	70	C5H10	000287-92-3	86
4	1-Pentene	70	C5H10	000109-67-1	43
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis

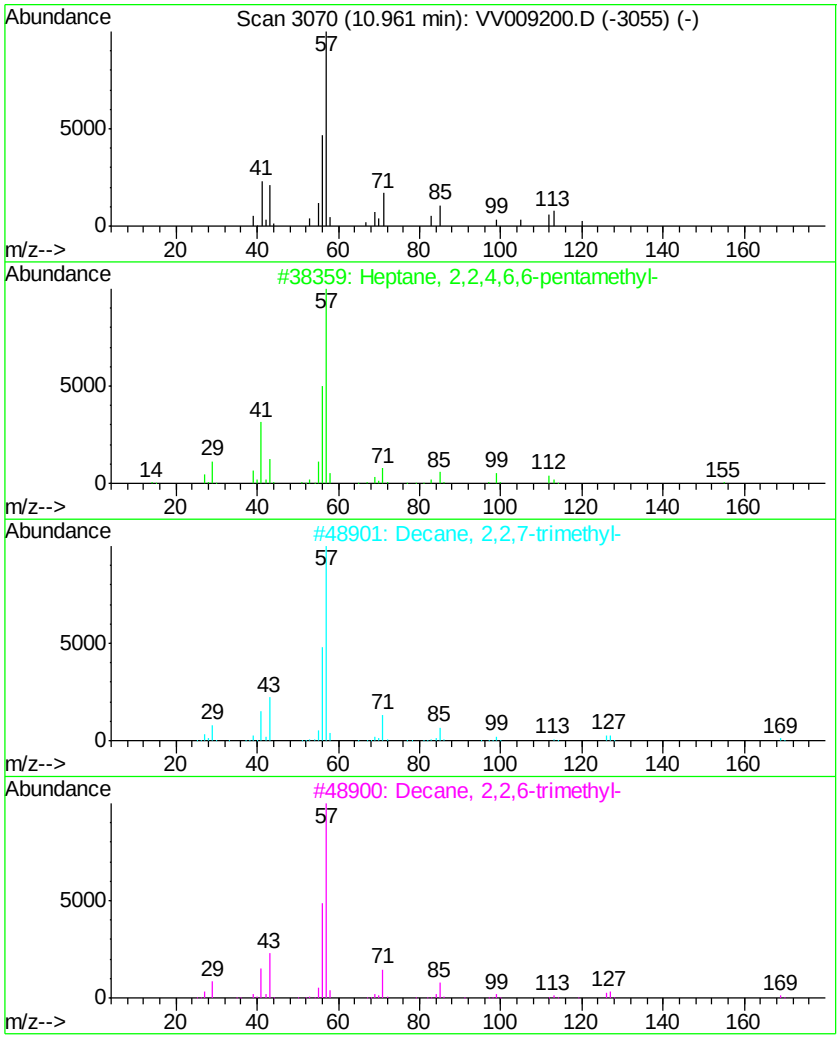
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

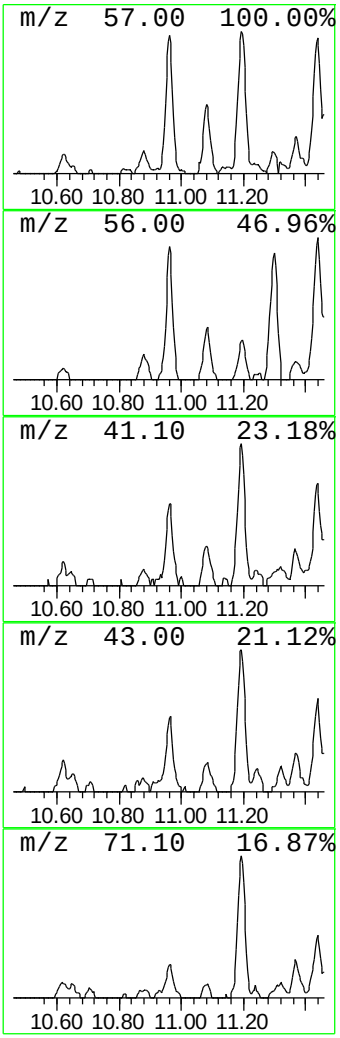
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	1.25 ug/L	28969	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
2	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	64
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	64
4	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	59
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis

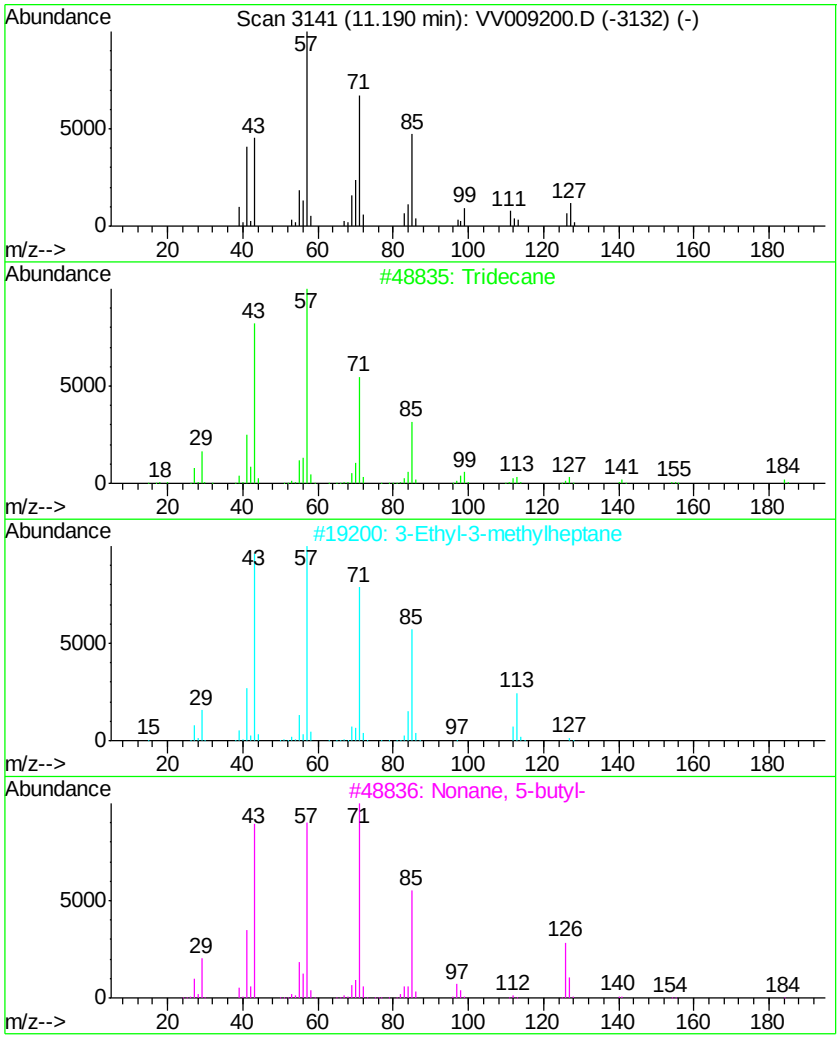
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

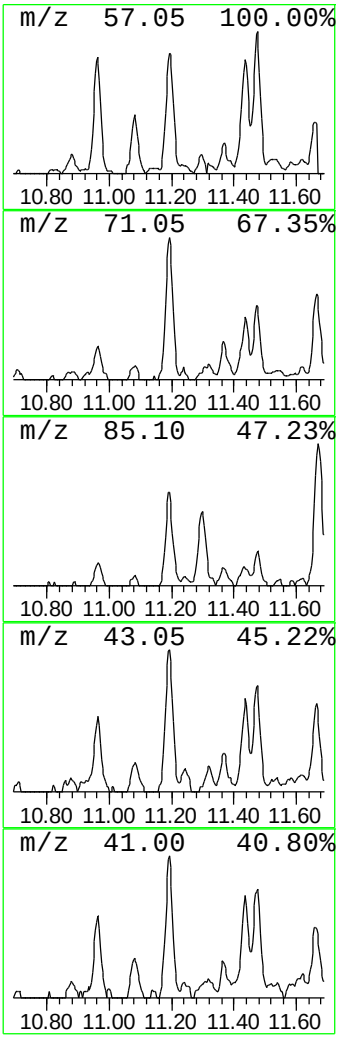
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.13 ug/L	49282	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	64
2	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	50
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis

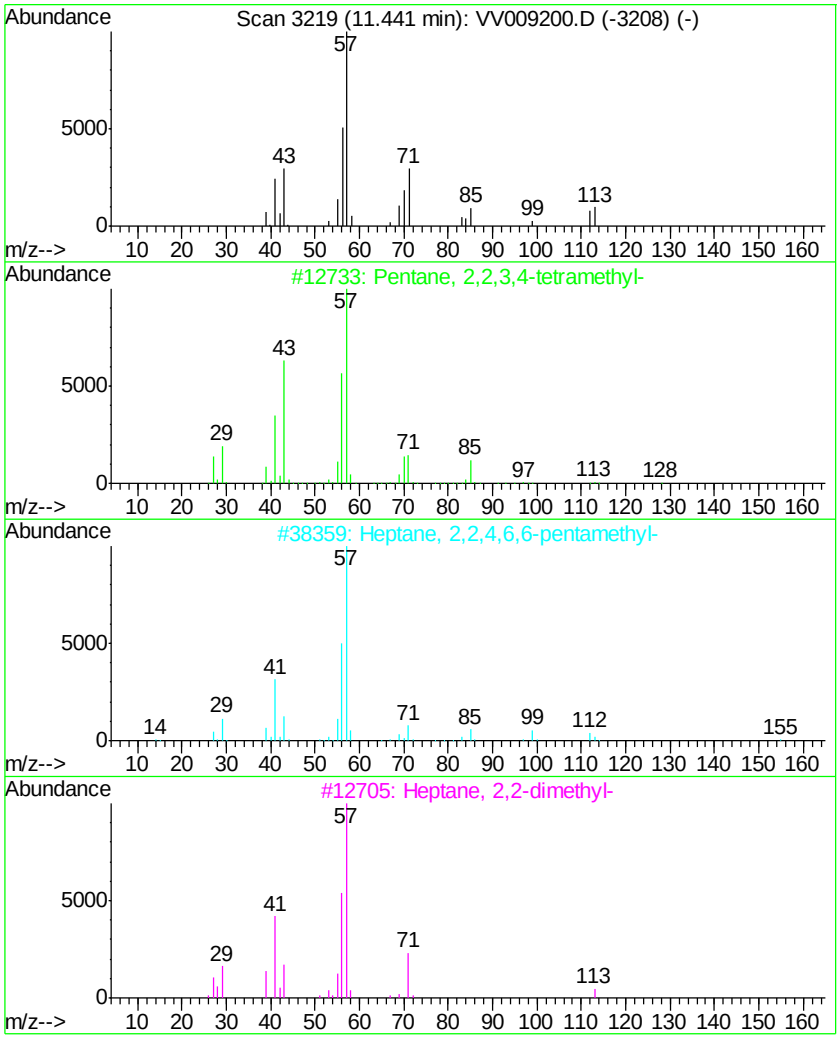
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

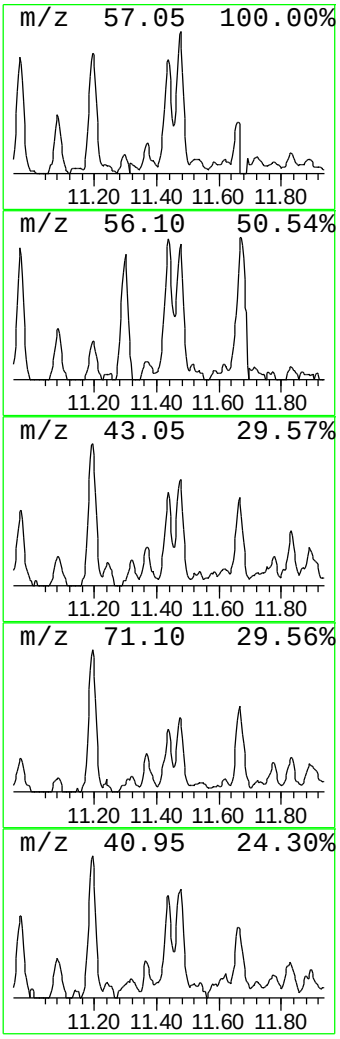
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	1.47 ug/L	34066	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53
4	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	50
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis

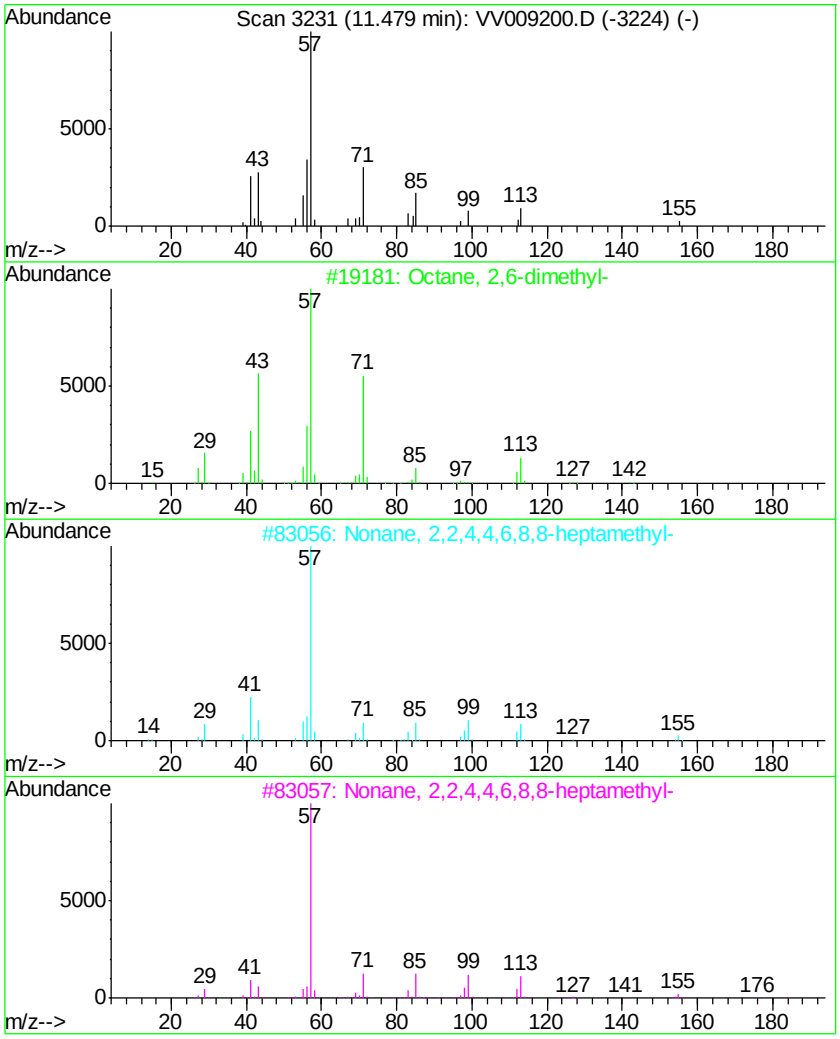
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

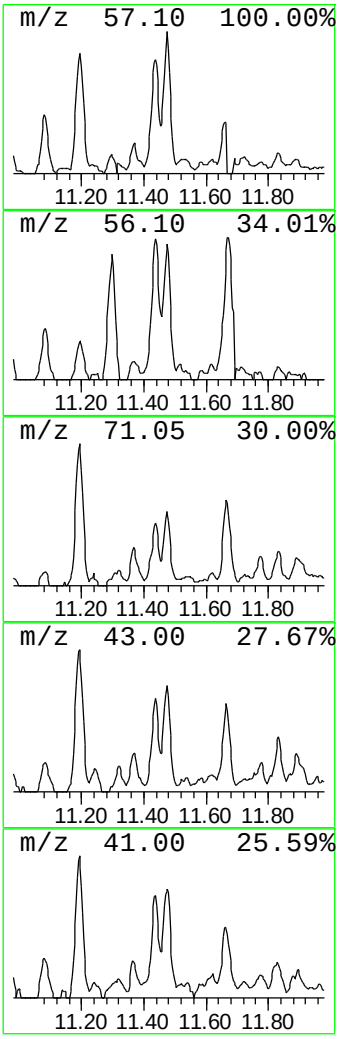
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	1.44 ug/L	33369	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	53
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50
5	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis

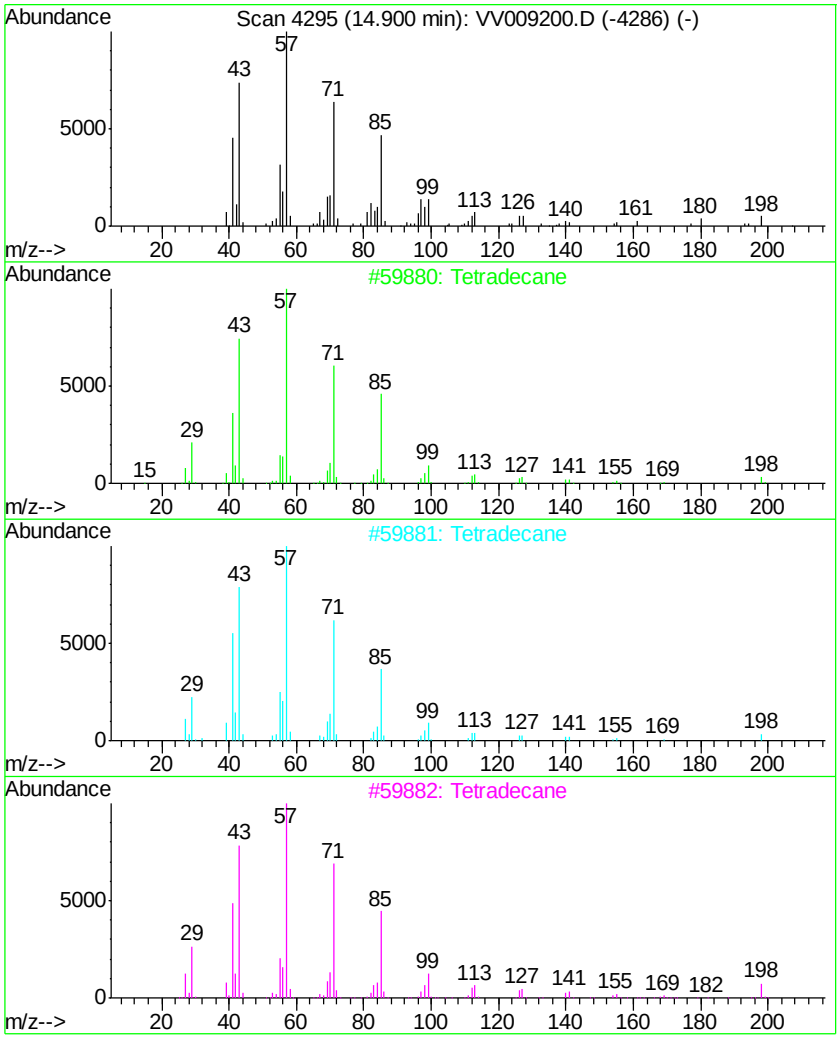
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

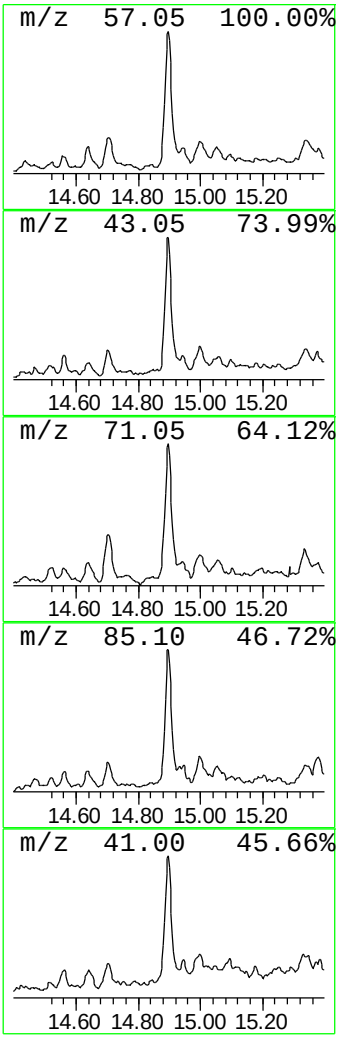
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	4.21 ug/L	97185	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Tetradecane	198	C14H30	000629-59-4	95
3	Tetradecane	198	C14H30	000629-59-4	93
4	Tetradecane	198	C14H30	000629-59-4	93
5	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
Data File : VV009200.D
Acq On : 08 Jan 2019 18:22
Operator : SY/MD
Sample : K1051-06
Misc : 6.34 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE9X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.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...	2.60	1.7	ug/L	32954	1	5.67	480424	25.0
(DEL) Alkane: Str...	10.96	1.3	ug/L	28969	3	11.30	577724	25.0
(DEL) Alkane: Str...	11.19	2.1	ug/L	49282	3	11.30	577724	25.0
(DEL) Alkane: Str...	11.44	1.5	ug/L	34066	3	11.30	577724	25.0
(DEL) Alkane: Str...	11.48	1.4	ug/L	33369	3	11.30	577724	25.0
(DEL) Alkane: Str...	14.90	4.2	ug/L	97185	3	11.30	577724	25.0