LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

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\SOM2VLM052819S.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	1.200	30	34	48	rVB4	30860	50030	2.61%	0.358%
2	1.309	60	68	76	rBV	257968	246947	12.90%	1.769%
3	1.380	85	90	99	rVB	57706	59580	3.11%	0.427%
4	1.557	139	145	157	rVB	181180	218061	11.39%	1.562%
5	2.116	309	319	330	rBV	398458	582119	30.42%	4.170%
6	2.184	333	340	354	rVB	112157	163574	8.55%	1.172%
7	2.753	515	517	521	rBV5	1301	973	0.05%	0.007%
8	2.991	583	591	597	rBV9	4313	5878	0.31%	0.042%
9	3.058	606	612	624	rVB8	6419	9844	0.51%	0.071%
10	3.203	648	657	663	rVV5	4862	8685	0.45%	0.062%
11	3.296	683	686	688	rVB4	1428	870	0.05%	0.006%
12	3.749	815	827	850	rBV5	13926	35377	1.85%	0.253%
13	3.930	871	883	903	rBV2	91113	235330	12.30%	1.686%
14	4.225	973	975	980	rVV5	1366	860	0.04%	0.006%
15	4.258	983	985	989	rVB5	1536	926	0.05%	0.007%
16	4.303	996	999	1002	rBV4	1262	966	0.05%	0.007%
17	4.393	1010	1027	1049	rBV	301470	753006	39.35%	5.395%
18	4.807	1150	1156	1160	rBV7	1884	2548	0.13%	0.018%
19	4.955	1197	1202	1203	rBV5	1534	1175	0.06%	0.008%
20	5.087	1224	1243	1270	rBV2	780630	1913684	100.00%	13.710%
21	5.370	1318	1331	1341	rBV3	13372	29145	1.52%	0.209%
22	5.508	1368	1374	1376	rBV6	2252	2394	0.13%	0.017%
23	5.524	1376	1379	1381	rBV3	1281	932	0.05%	0.007%
24	5.656	1406	1420	1452	rBV	534827	1077387	56.30%	7.719%
25	5.936	1502	1507	1508	rBV6	2628	1626	0.08%	0.012%
26	6.113	1546	1562	1590	rBV	456618	921392	48.15%	6.601%
27	6.232	1595	1599	1600	rBV4	2811	1940	0.10%	0.014%
28	6.328	1618	1629	1649	rBV2	61609	121491	6.35%	0.870%
29	6.550	1693	1698	1700	rBV4	1085	1086	0.06%	0.008%
30	6.576	1703	1706	1713	rVB8	1469	1514	0.08%	0.011%
31	6.643	1721	1727	1729	rBV6	1359	1382	0.07%	0.010%
32	6.708	1741	1747	1756	rVB10	2936	5100	0.27%	0.037%
33	6.843	1787	1789	1793	rVB5	1305	943	0.05%	0.007%
34	6.865	1793	1796	1802	rVB7	1524	1464	0.08%	0.010%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

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\SOM2VLM052819S.M
Title : VOC Analysis

35	7.026	1833	1846	1861	rBV	253479	452063	23.62%	3.239%
36	7.183	1884	1895	1905	rVV6	7742	15504	0.81%	0.111%
37	7.357	1931	1949	1967	rBV	841053	1469693	76.80%	10.529%
38	7.611	2021	2028	2033	rVB9	2756	3513	0.18%	0.025%
39	7.659	2033	2043	2060	rBV	164522	279443	14.60%	2.002%
40	7.978	2128	2142	2154	rVV2	13639	28799	1.50%	0.206%
41	8.068	2168	2170	2174	rBV4	1563	1105	0.06%	0.008%
42	8.129	2177	2189	2217	rBV	335962	607422	31.74%	4.352%
43	8.280	2225	2236	2258	rBV	443055	718894	37.57%	5.150%
44	8.650	2348	2351	2358	rVB7	1121	1253	0.07%	0.009%
45	8.682	2358	2361	2366	rVB5	1335	933	0.05%	0.007%
46	8.778	2388	2391	2396	rVB7	2085	2020	0.11%	0.014%
47	8.894	2412	2427	2454	rBV	735505	1215395	63.51%	8.707%
48	9.039	2468	2472	2473	rBV4	1210	860	0.04%	0.006%
49	9.058	2473	2478	2485	rVB7	2473	3560	0.19%	0.026%
50	9.113	2493	2495	2499	rBV5	1386	869	0.05%	0.006%
51	9.177	2510	2515	2522	rBV6	4420	6272	0.33%	0.045%
52	9.267	2532	2543	2544	rBV10	5748	9084	0.47%	0.065%
53	9.354	2564	2570	2581	rVB6	11090	17084	0.89%	0.122%
54	9.437	2594	2596	2600	rBV5	1195	922	0.05%	0.007%
55	9.540	2621	2628	2633	rVV10	2980	4246	0.22%	0.030%
56	9.566	2633	2636	2637	rVV3	1651	1065	0.06%	0.008%
57	9.585	2637	2642	2652	rVB8	4740	8069	0.42%	0.058%
58	9.752	2689	2694	2699	rVV7	1818	2269	0.12%	0.016%
59	9.852	2712	2725	2739	rBV2	51783	89854	4.70%	0.644%
60	9.997	2763	2770	2776	rVB2	7718	11146	0.58%	0.080%
61	10.260	2837	2852	2869	rBV	368001	589736	30.82%	4.225%
62	10.383	2887	2890	2892	rVV3	1666	888	0.05%	0.006%
63	10.421	2892	2902	2913	rVB3	16284	29179	1.52%	0.209%
64	10.556	2935	2944	2948	rBV9	4783	8014	0.42%	0.057%
65	10.627	2959	2966	2980	rVB4	9261	16035	0.84%	0.115%
66	10.752	2996	3005	3015	rBV7	9834	18526	0.97%	0.133%
67	10.807	3018	3022	3029	rVB8	4279	5244	0.27%	0.038%
68	10.916	3053	3056	3058	rBV5	1472	930	0.05%	0.007%
69	10.965	3061	3071	3072	rBV7	5580	7453	0.39%	0.053%
70	11.080	3098	3107	3109	rBV10	3094	3668	0.19%	0.026%
71	11.196	3134	3143	3158	rVB2	37027	62936	3.29%	0.451%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

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\SOM2VLM052819S.M
Title : VOC Analysis

72	11.293	3161	3173	3189	rBV	469855	760660	39.75%	5.449%
73	11.376	3195	3199	3206	rBV9	4011	4604	0.24%	0.033%
74	11.576	3251	3261	3272	rBV3	19181	32876	1.72%	0.236%
75	11.669	3278	3290	3304	rBV	470165	758582	39.64%	5.435%
76	11.810	3330	3334	3335	rBV3	1406	995	0.05%	0.007%
77	11.994	3385	3391	3399	rVB10	3668	4320	0.23%	0.031%
78	12.055	3401	3410	3422	rBV6	12768	24934	1.30%	0.179%
79	12.296	3475	3485	3496	rVV2	17038	31053	1.62%	0.222%
80	12.392	3506	3515	3525	rBV3	31107	49457	2.58%	0.354%
81	12.717	3606	3616	3627	rBV10	8010	14617	0.76%	0.105%
82	12.784	3629	3637	3641	rBV9	4542	6957	0.36%	0.050%
83	12.932	3676	3683	3687	rBV8	3257	3759	0.20%	0.027%
84	13.186	3755	3762	3774	rVB8	7750	14378	0.75%	0.103%
85	13.408	3828	3831	3834	rBV4	1385	1141	0.06%	0.008%
86	13.437	3838	3840	3844	rVB6	1413	923	0.05%	0.007%
87	13.482	3849	3854	3861	rVB6	5293	6647	0.35%	0.048%
88	13.559	3870	3878	3892	rVB8	4144	6891	0.36%	0.049%
89	13.630	3894	3900	3901	rBV5	3053	2677	0.14%	0.019%
90	13.794	3943	3951	3953	rBV9	2588	2646	0.14%	0.019%
91	14.090	4032	4043	4054	rBV	29968	52609	2.75%	0.377%
92	14.228	4077	4086	4093	rBV	7525	11423	0.60%	0.082%
93	14.347	4119	4123	4124	rBV4	1554	929	0.05%	0.007%
94	14.492	4163	4168	4177	rVV9	2904	3962	0.21%	0.028%
95	14.669	4220	4223	4225	rBV3	1632	1074	0.06%	0.008%
96	14.839	4274	4276	4280	rBV5	1251	939	0.05%	0.007%
97	14.865	4280	4284	4287	rBV5	1578	1385	0.07%	0.010%
98	14.929	4299	4304	4309	rBV8	2884	3530	0.18%	0.025%
99	15.180	4379	4382	4383	rBV2	2222	1260	0.07%	0.009%
100	16.157	4684	4686	4689	rBV3	1667	976	0.05%	0.007%

Sum of corrected areas: 13958379

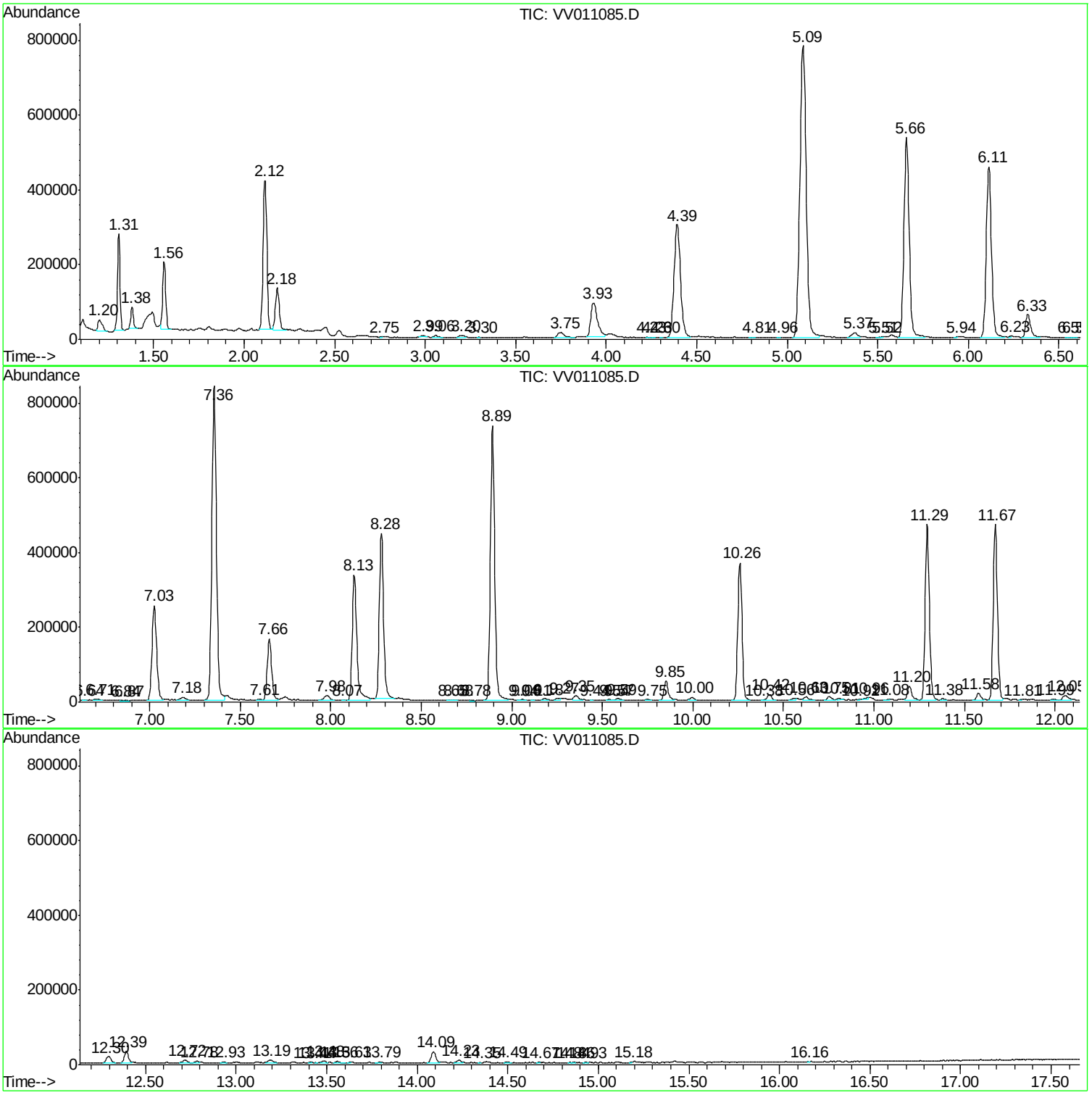
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.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\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

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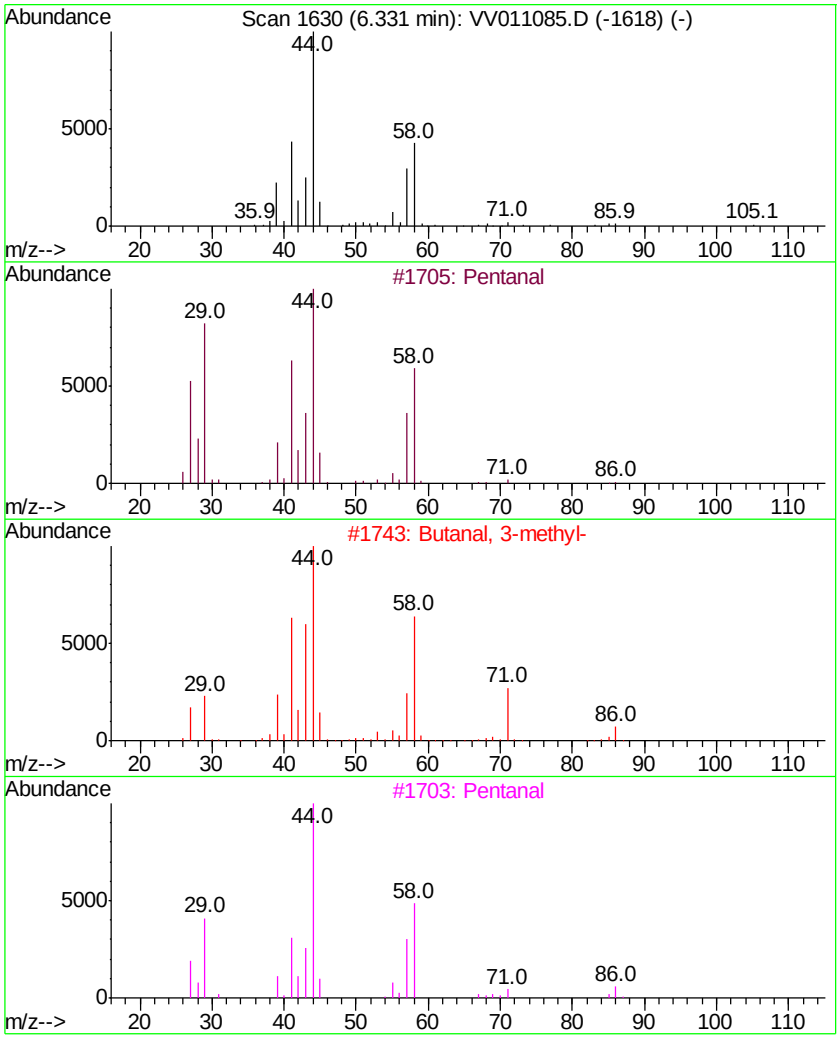
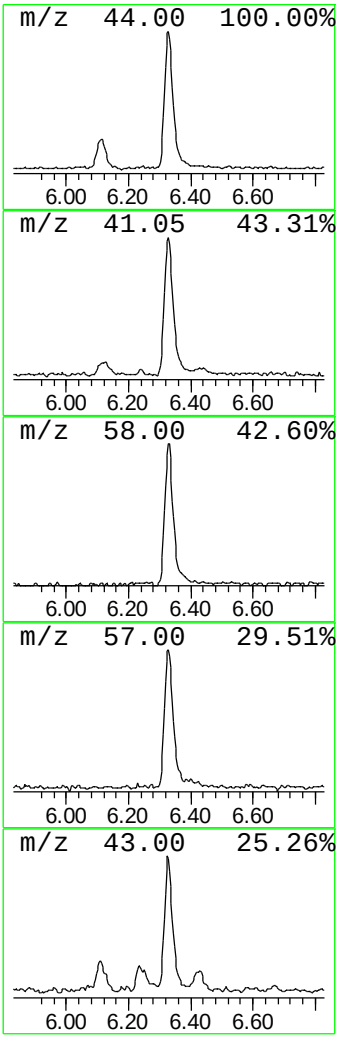
Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.82 ug/L	121491	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	91
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
3	Pentanal	86	C5H10O	000110-62-3	64
4	Pentanal	86	C5H10O	000110-62-3	38
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

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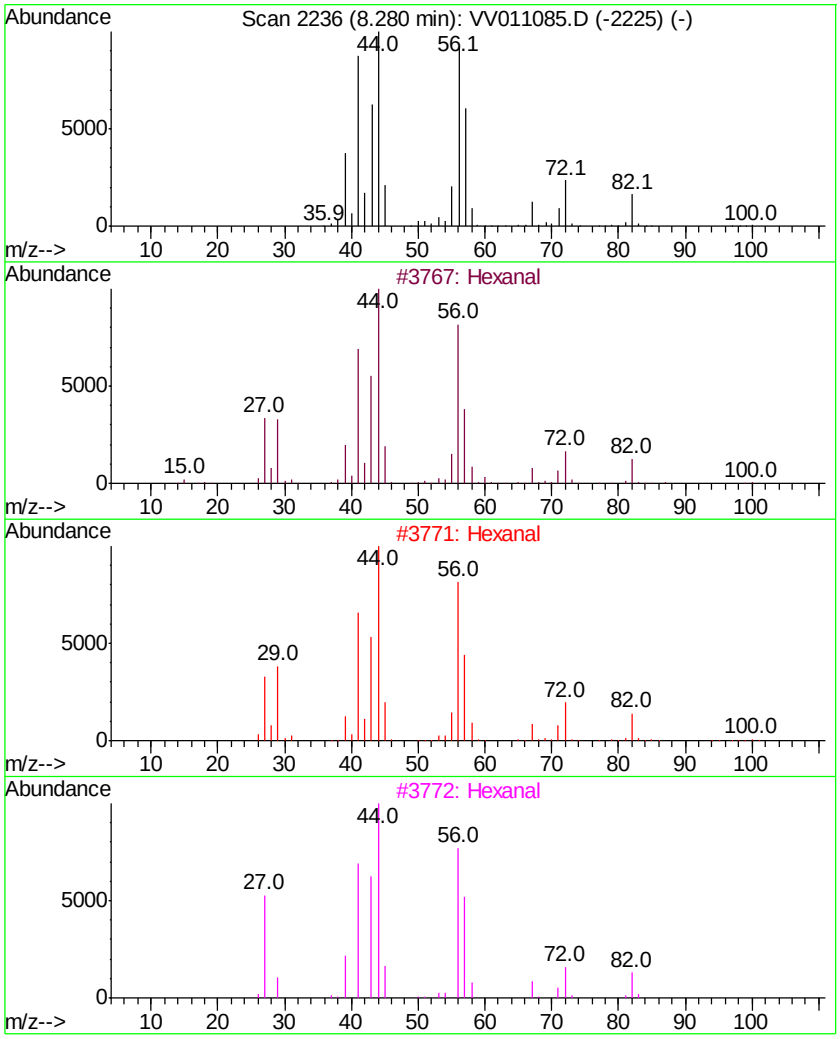
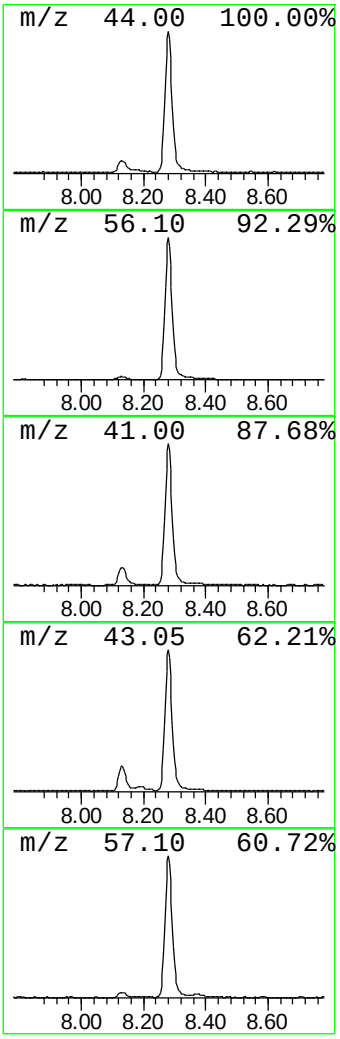
Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	14.79 ug/L	718894	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	91
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	90
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

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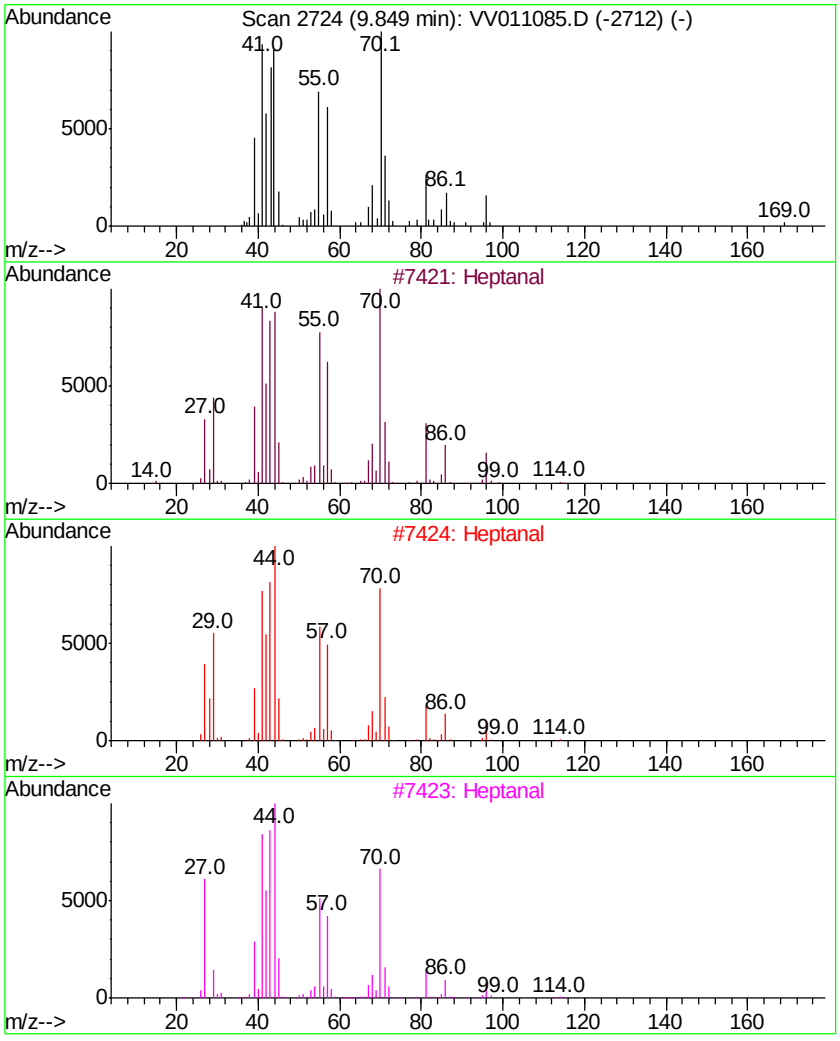
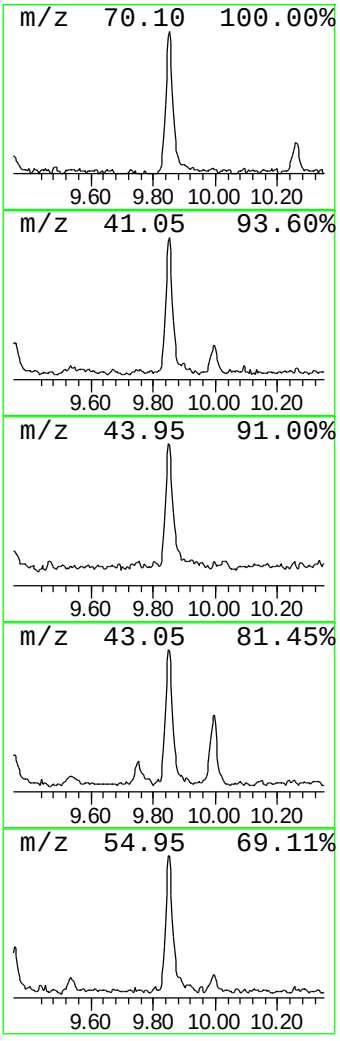
Peak Number 5 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.85 ug/L	89854	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	90
2	Heptanal	114	C7H14O	000111-71-7	80
3	Heptanal	114	C7H14O	000111-71-7	72
4	Heptanal	114	C7H14O	000111-71-7	50
5	Heptanal	114	C7H14O	000111-71-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

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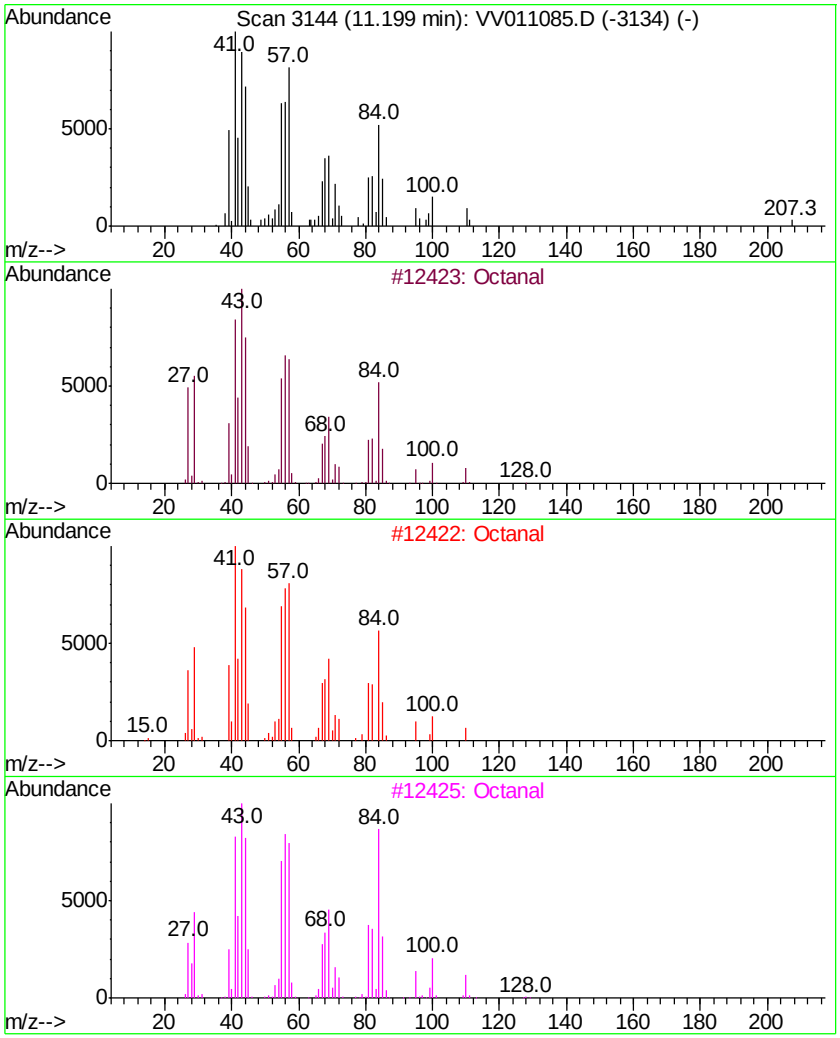
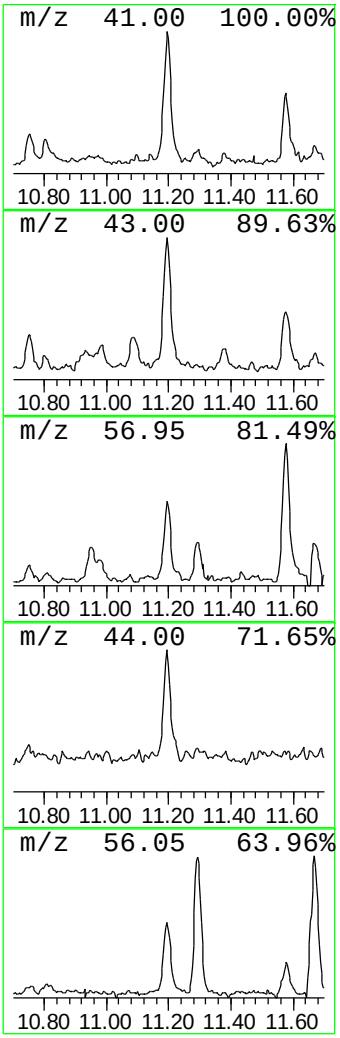
Peak Number 6 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.07 ug/L	62936	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	87
2	Octanal	128	C8H16O	000124-13-0	87
3	Octanal	128	C8H16O	000124-13-0	86
4	Octanal	128	C8H16O	000124-13-0	86
5	Cyclopentanol, 2-methyl-	100	C6H12O	024070-77-7	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

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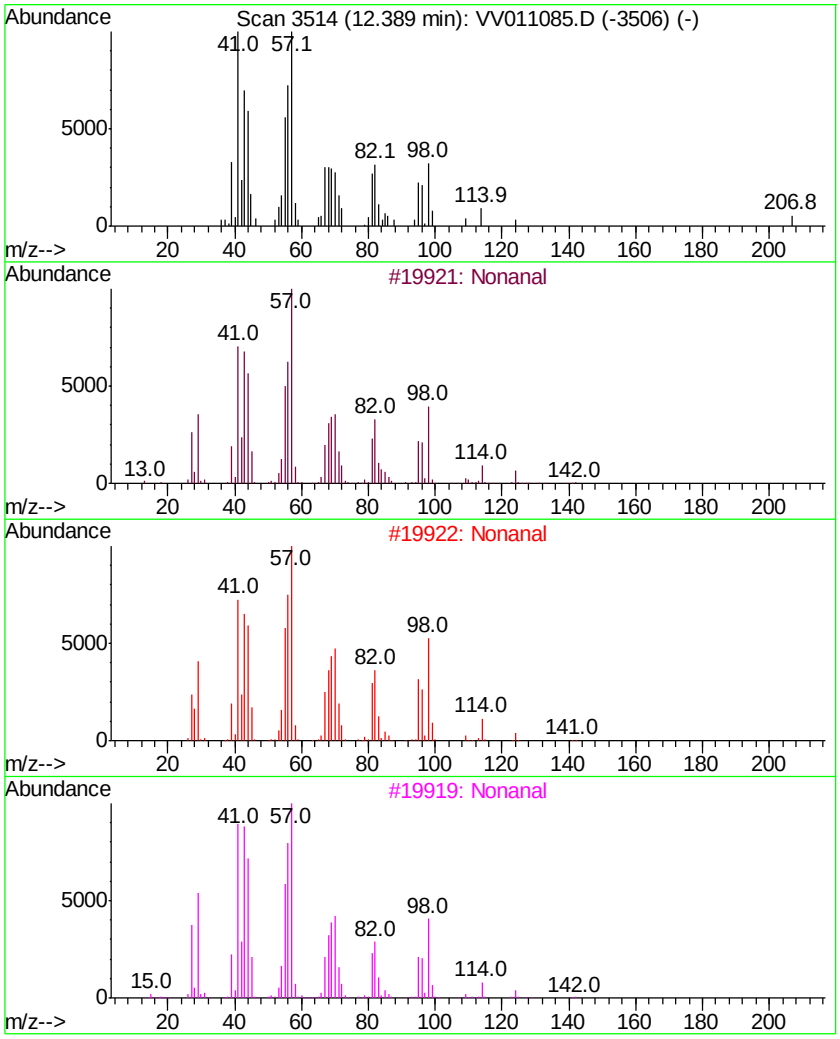
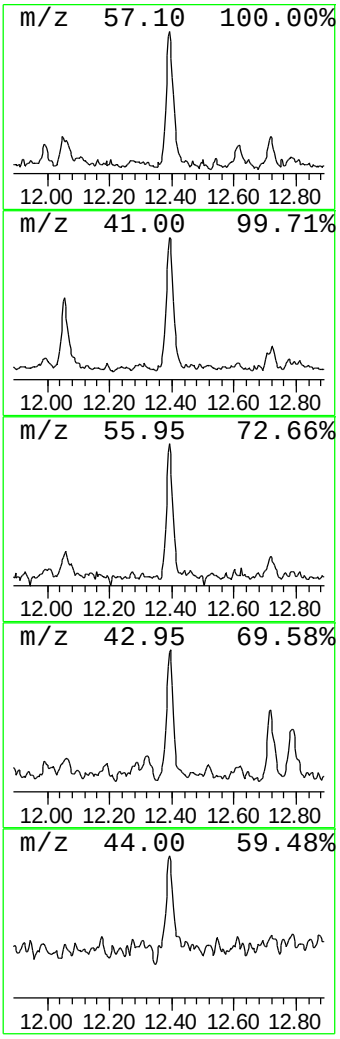
Peak Number 7 Nonanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.63 ug/L	49457	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	78
3	Nonanal	142	C9H18O	000124-19-6	72
4	Nonanal	142	C9H18O	000124-19-6	64
5	Butane, 1-isocyanato-	99	C5H9NO	000111-36-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011085.D
Acq On : 29 May 2019 03:07
Operator : SY/MD
Sample : K3016-14
Misc : 4.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.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
Pentanal	6.33	2.8	ug/L	121491	1	5.66	1077390	25.0
Hexanal	8.28	14.8	ug/L	718894	2	8.89	1215400	25.0
Heptanal	9.85	1.9	ug/L	89854	2	8.89	1215400	25.0
Octanal	11.20	2.1	ug/L	62936	3	11.29	760660	25.0
Nonanal	12.39	1.6	ug/L	49457	3	11.29	760660	25.0