LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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	1.203	30	35	45	rVB4	25328	40498	2.11%	0.272%
2	1.309	60	68	75	rBV	260622	243954	12.72%	1.641%
3	1.380	85	90	97	rBV	57056	59829	3.12%	0.403%
4	1.557	138	145	155	rVB	180061	217068	11.32%	1.460%
5	2.113	309	318	330	rVB	401115	590297	30.79%	3.971%
6	2.184	333	340	359	rVB	99381	151574	7.91%	1.020%
7	2.521	440	445	458	rVB2	27060	43818	2.29%	0.295%
8	2.852	543	548	552	rBV7	1456	1706	0.09%	0.011%
9	2.984	581	589	599	rVV6	4901	9284	0.48%	0.062%
10	3.058	605	612	621	rVV7	5364	8838	0.46%	0.059%
11	3.200	645	656	667	rBV5	8694	18543	0.97%	0.125%
12	3.541	754	762	764	rBV8	2298	2675	0.14%	0.018%
13	3.650	793	796	801	rVB6	1195	1309	0.07%	0.009%
14	3.685	804	807	812	rBV6	1304	1279	0.07%	0.009%
15	3.746	812	826	843	rBV3	17349	45806	2.39%	0.308%
16	3.930	871	883	907	rBV	87114	233546	12.18%	1.571%
17	4.393	1010	1027	1050	rVV	305582	738856	38.54%	4.971%
18	4.502	1057	1061	1062	rBV4	2162	1443	0.08%	0.010%
19	4.611	1092	1095	1100	rVB7	1513	1199	0.06%	0.008%
20	4.743	1134	1136	1141	rVB6	1681	1447	0.08%	0.010%
21	4.897	1181	1184	1190	rBV6	1350	1518	0.08%	0.010%
22	5.087	1223	1243	1269	rBV2	781839	1917329	100.00%	12.900%
23	5.370	1319	1331	1340	rBV4	10544	23439	1.22%	0.158%
24	5.524	1373	1379	1383	rBV8	2614	3459	0.18%	0.023%
25	5.656	1406	1420	1441	rBV	519116	1043643	54.43%	7.022%
26	5.933	1502	1506	1508	rBV4	2372	2024	0.11%	0.014%
27	5.955	1508	1513	1518	rVB9	2581	2732	0.14%	0.018%
28	6.113	1547	1562	1585	rVV	454905	918877	47.92%	6.182%
29	6.328	1618	1629	1651	rBV	93287	180785	9.43%	1.216%
30	6.540	1690	1695	1699	rBV7	1185	1520	0.08%	0.010%
31	6.653	1725	1730	1734	rBV8	1658	1802	0.09%	0.012%
32	6.701	1739	1745	1756	rVV6	4393	8033	0.42%	0.054%
33	6.746	1756	1759	1764	rVV5	1931	1573	0.08%	0.011%
34	6.897	1802	1806	1812	rVB8	1342	1531	0.08%	0.010%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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	1872	rBV	261252	463066	24.15%	3.115%
36	7.187	1886	1896	1906	rVB	4194	9063	0.47%	0.061%
37	7.357	1933	1949	1966	rBV	852019	1491610	77.80%	10.035%
38	7.659	2033	2043	2062	rBV	168564	280668	14.64%	1.888%
39	7.843	2097	2100	2105	rVB7	2042	1633	0.09%	0.011%
40	7.981	2132	2143	2152	rBV3	12914	23036	1.20%	0.155%
41	8.129	2177	2189	2218	rBV	314175	578605	30.18%	3.893%
42	8.280	2225	2236	2258	rBV	699005	1138294	59.37%	7.658%
43	8.894	2411	2427	2452	rBV	754020	1254538	65.43%	8.440%
44	9.042	2465	2473	2474	rBV8	1353	1203	0.06%	0.008%
45	9.055	2474	2477	2486	rVB10	2003	2545	0.13%	0.017%
46	9.103	2486	2492	2493	rBV5	1635	1492	0.08%	0.010%
47	9.183	2509	2517	2522	rBV7	4876	7410	0.39%	0.050%
48	9.357	2565	2571	2582	rVV10	8211	13910	0.73%	0.094%
49	9.534	2619	2626	2629	rBV8	2313	2350	0.12%	0.016%
50	9.582	2636	2641	2652	rVB6	5161	8659	0.45%	0.058%
51	9.640	2656	2659	2670	rVB10	2913	4544	0.24%	0.031%
52	9.701	2670	2678	2680	rBV7	1984	2294	0.12%	0.015%
53	9.852	2715	2725	2740	rBV2	42095	71884	3.75%	0.484%
54	9.981	2760	2765	2767	rBV5	1465	1337	0.07%	0.009%
55	10.180	2823	2827	2831	rVV7	2314	2478	0.13%	0.017%
56	10.260	2838	2852	2870	rBV	392625	629302	32.82%	4.234%
57	10.421	2892	2902	2911	rVB2	22278	36320	1.89%	0.244%
58	10.553	2935	2943	2956	rBV5	15785	30960	1.61%	0.208%
59	10.624	2959	2965	2974	rVB5	6530	10299	0.54%	0.069%
60	10.756	2996	3006	3013	rVV6	8005	13153	0.69%	0.088%
61	10.804	3013	3021	3032	rVV7	8730	17915	0.93%	0.121%
62	11.039	3089	3094	3102	rBV7	2888	3960	0.21%	0.027%
63	11.196	3133	3143	3158	rVV3	27499	48423	2.53%	0.326%
64	11.293	3161	3173	3192	rBV	584906	941343	49.10%	6.333%
65	11.469	3224	3228	3232	rVB7	2625	2467	0.13%	0.017%
66	11.576	3252	3261	3274	rBV	23227	39870	2.08%	0.268%
67	11.669	3278	3290	3305	rBV	615045	993028	51.79%	6.681%
68	11.772	3319	3322	3328	rBV7	1739	1779	0.09%	0.012%
69	11.858	3346	3349	3351	rBV4	1743	1155	0.06%	0.008%
70	12.055	3401	3410	3421	rBV6	17398	31811	1.66%	0.214%
71	12.296	3476	3485	3496	rVB	9649	16519	0.86%	0.111%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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	12.392	3507	3515	3525	rVV5	21380	35078	1.83%	0.236%
73	12.473	3537	3540	3546	rVB7	1626	1343	0.07%	0.009%
74	12.592	3570	3577	3580	rBV9	1766	2017	0.11%	0.014%
75	12.669	3594	3601	3609	rVV7	14815	24750	1.29%	0.167%
76	12.717	3613	3616	3626	rVB5	8536	10093	0.53%	0.068%
77	12.785	3627	3637	3646	rBV5	6792	13159	0.69%	0.089%
78	12.932	3675	3683	3693	rVB9	4026	7484	0.39%	0.050%
79	12.977	3693	3697	3699	rBV4	1743	1332	0.07%	0.009%
80	13.000	3701	3704	3706	rBV4	1831	1329	0.07%	0.009%
81	13.119	3736	3741	3746	rVB8	2336	2598	0.14%	0.017%
82	13.190	3754	3763	3772	rBV9	7850	14739	0.77%	0.099%
83	13.312	3797	3801	3805	rBV6	1976	2032	0.11%	0.014%
84	13.479	3848	3853	3861	rBV10	5252	8028	0.42%	0.054%
85	13.633	3894	3901	3906	rVV8	3567	4968	0.26%	0.033%
86	13.871	3970	3975	3977	rBV5	1679	1553	0.08%	0.010%
87	13.974	4002	4007	4012	rBV7	1611	1804	0.09%	0.012%
88	14.071	4032	4037	4038	rBV4	1937	1491	0.08%	0.010%
89	14.145	4056	4060	4064	rVB6	1122	1280	0.07%	0.009%
90	14.228	4080	4086	4097	rVB9	6659	10147	0.53%	0.068%
91	14.366	4124	4129	4130	rBV4	1588	1269	0.07%	0.009%
92	14.379	4130	4133	4143	rVB10	3995	5524	0.29%	0.037%
93	14.460	4154	4158	4161	rBV5	1704	1472	0.08%	0.010%
94	14.620	4206	4208	4214	rVB6	1363	1344	0.07%	0.009%
95	14.688	4227	4229	4233	rVB5	1992	1414	0.07%	0.010%
96	14.784	4256	4259	4263	rBV3	1500	1229	0.06%	0.008%
97	15.196	4383	4387	4388	rBV3	2403	1745	0.09%	0.012%
98	15.379	4440	4444	4447	rBV6	1327	1226	0.06%	0.008%
99	15.405	4450	4452	4455	rBV4	1650	1174	0.06%	0.008%
100	15.485	4472	4477	4479	rBV6	1639	1641	0.09%	0.011%

Sum of corrected areas: 14863420

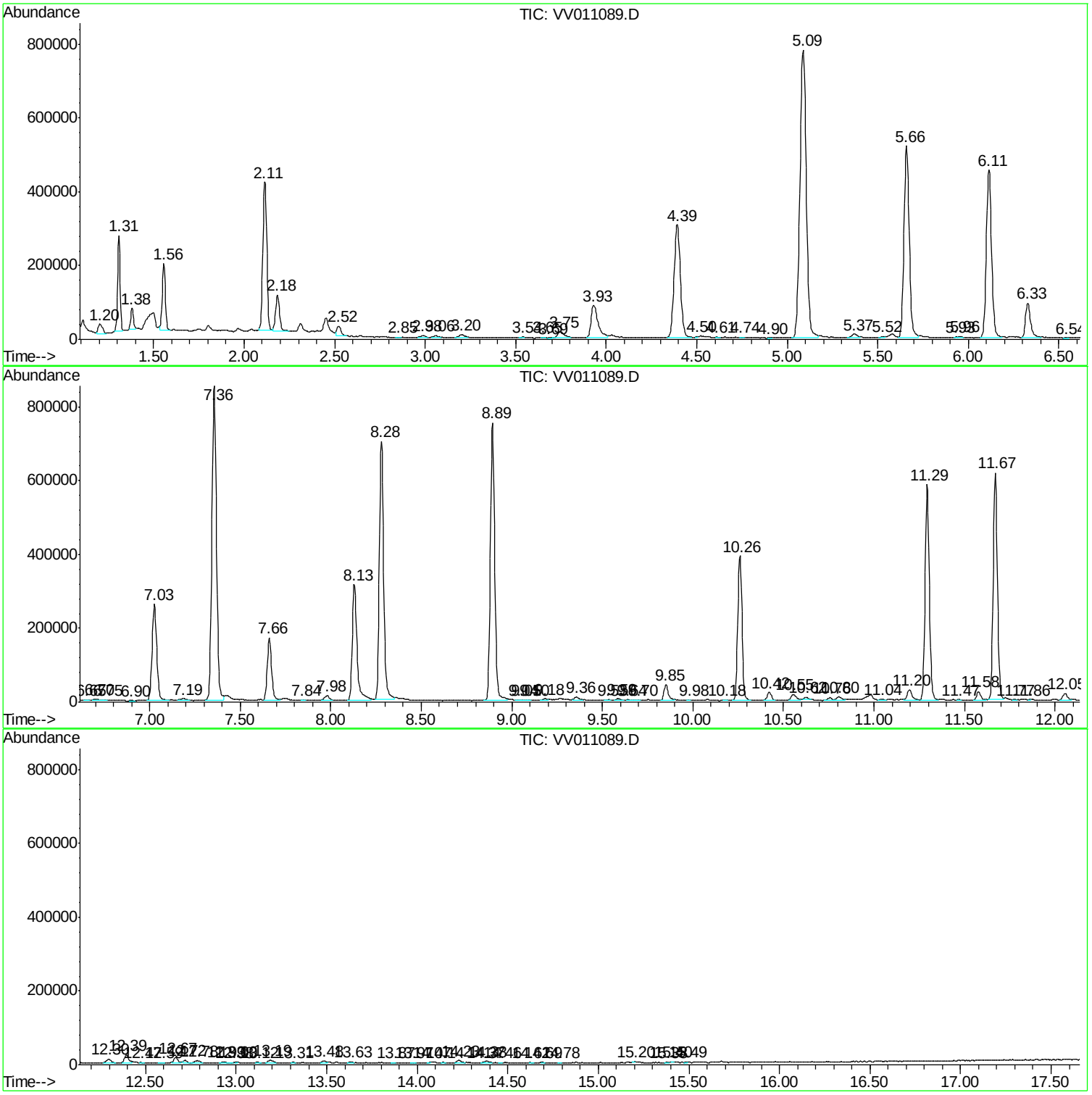
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

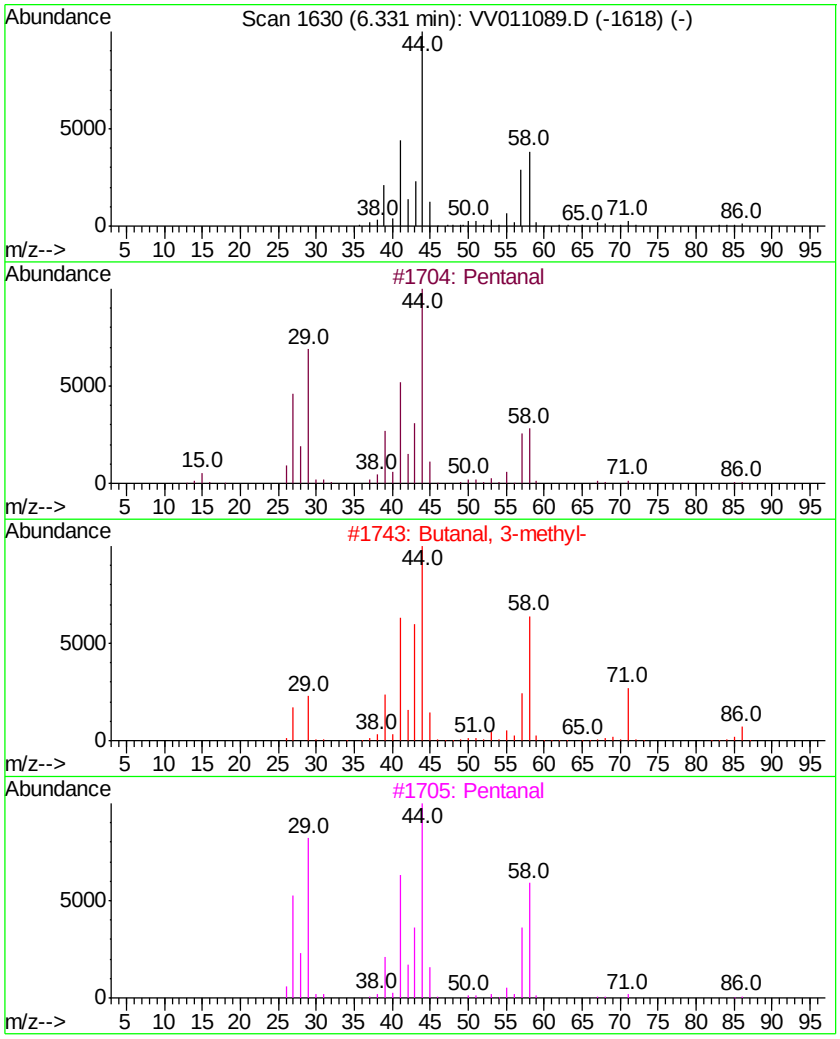
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

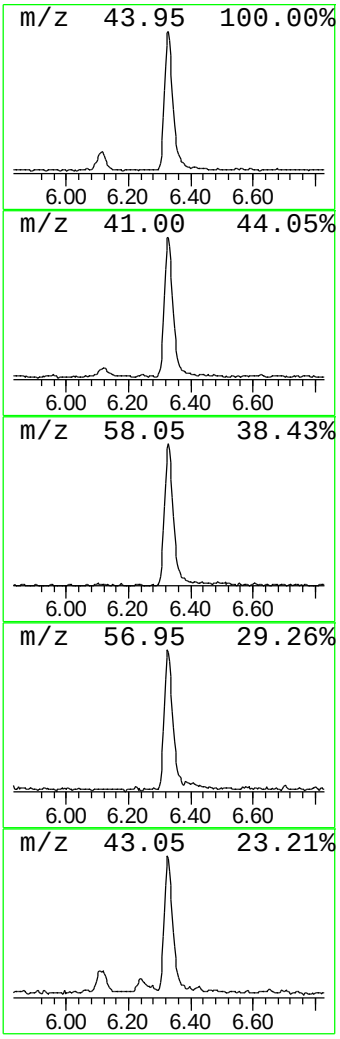
****

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	4.33 ug/L	180785	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
3	Pentanal	86	C5H10O	000110-62-3	49
4	Pentanal	86	C5H10O	000110-62-3	43
5	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	39





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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

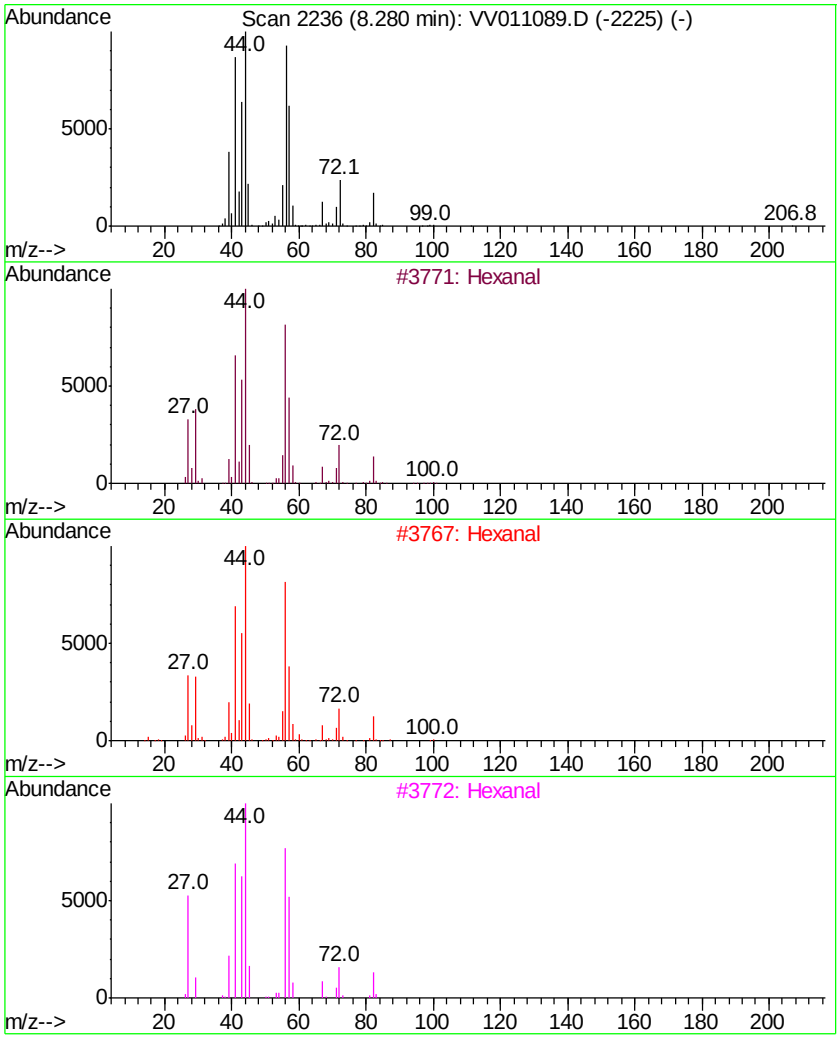
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

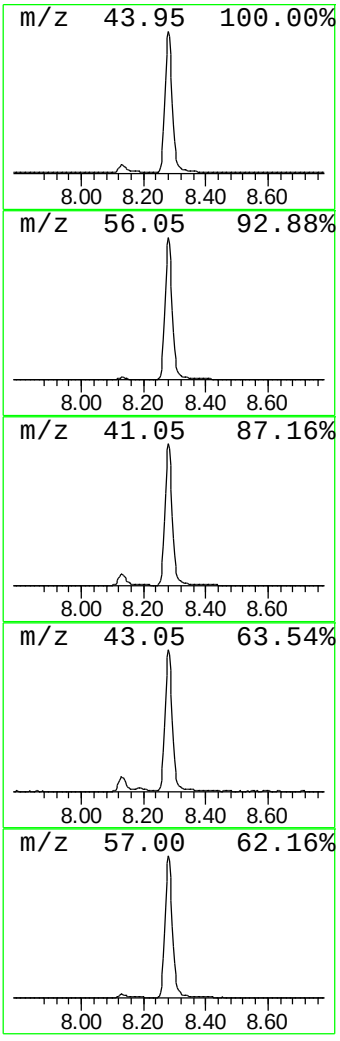
****

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	22.68 ug/L	1138290	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	83
5	Glutaraldehyde	100	C5H8O2	000111-30-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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

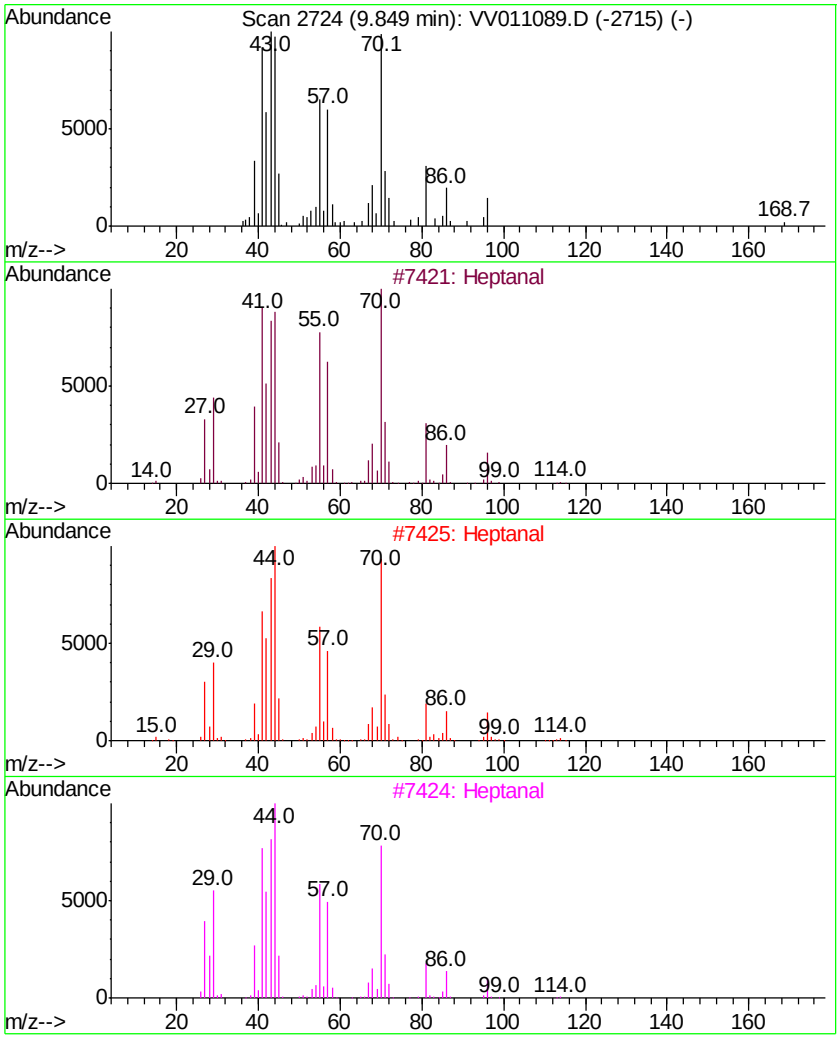
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

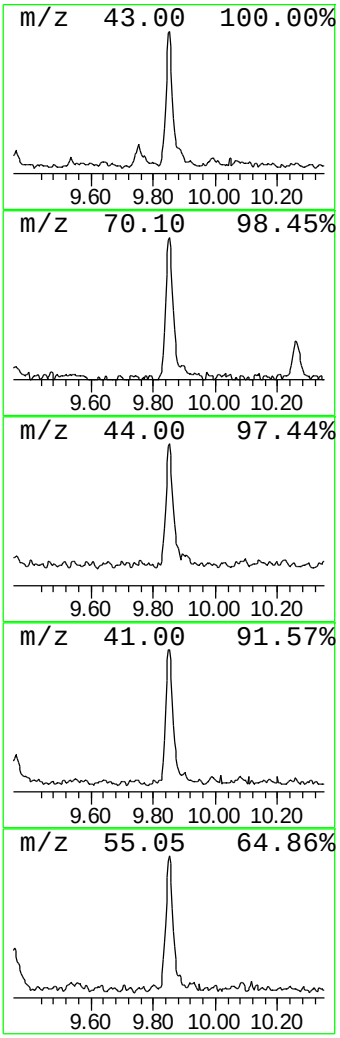
****

Peak Number 5 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.43 ug/L	71884	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	91
2	Heptanal	114	C7H14O	000111-71-7	91
3	Heptanal	114	C7H14O	000111-71-7	90
4	Heptanal	114	C7H14O	000111-71-7	86
5	Heptanal	114	C7H14O	000111-71-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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

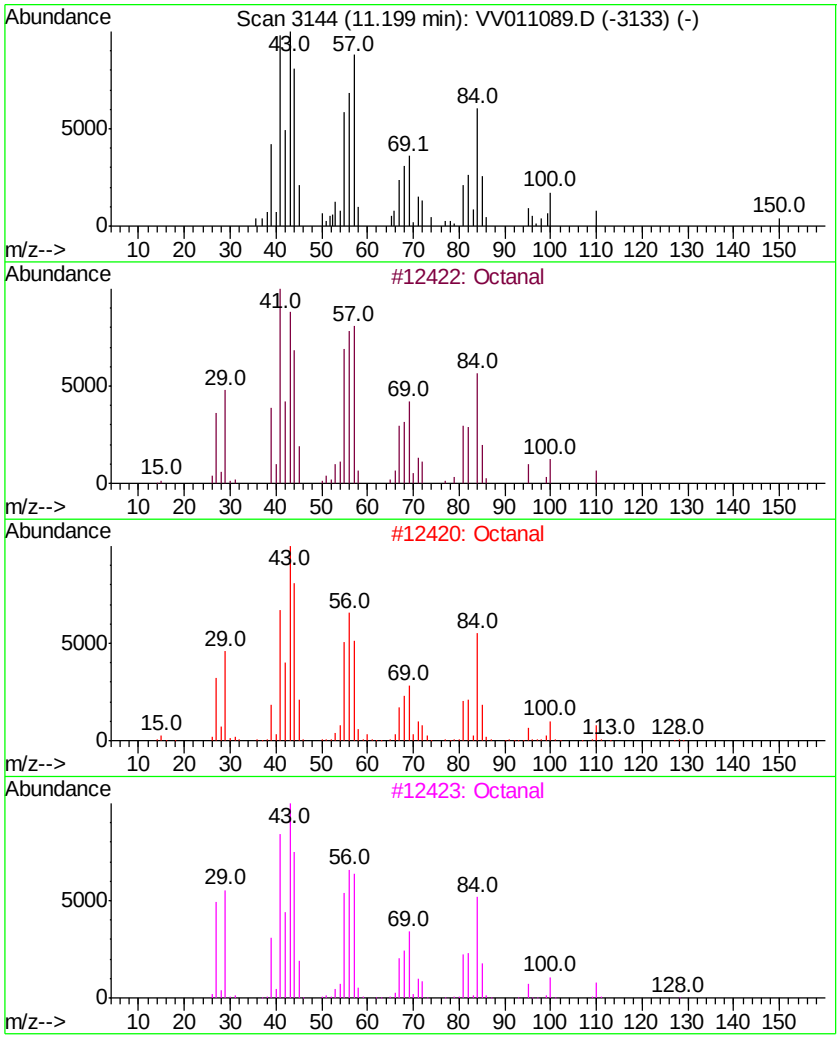
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

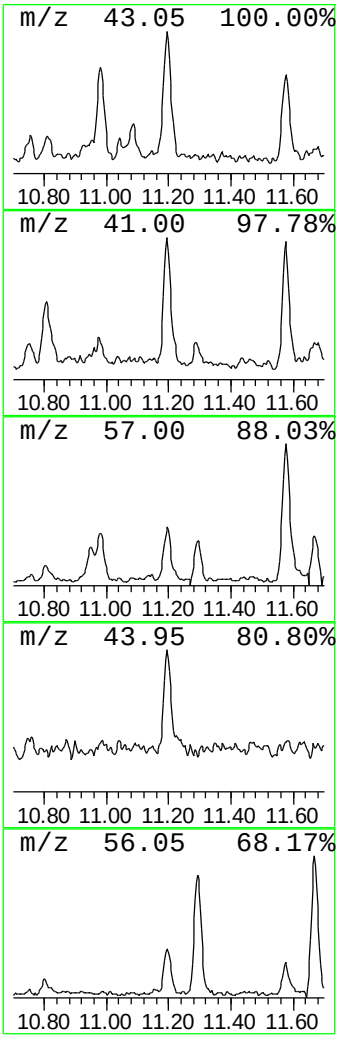
****

Peak Number 6 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.29 ug/L	48423	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	90
3	Octanal	128	C8H16O	000124-13-0	86
4	Octanal	128	C8H16O	000124-13-0	83
5	Octanal	128	C8H16O	000124-13-0	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011089.D
Acq On : 29 May 2019 04:59
Operator : SY/MD
Sample : K3016-18
Misc : 6.19G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51D5

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	4.3	ug/L	180785	1	5.66	1043640	25.0
Hexanal	8.28	22.7	ug/L	1138290	2	8.89	1254540	25.0
Heptanal	9.85	1.4	ug/L	71884	2	8.89	1254540	25.0
Octanal	11.20	1.3	ug/L	48423	3	11.29	941343	25.0