LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

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\SOM2VLM053019S.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	1.113	4	7	20	rVB2	30983	33471	2.13%	0.306%
2	1.315	62	70	78	rVB	161184	161538	10.29%	1.475%
3	1.386	87	92	102	rVB	95716	92335	5.88%	0.843%
4	1.569	143	149	160	rVB	120332	133580	8.51%	1.219%
5	1.814	219	225	234	rVB	61630	74658	4.75%	0.681%
6	2.119	310	320	331	rBV2	330005	516487	32.89%	4.714%
7	2.187	333	341	352	rVB	153823	217852	13.87%	1.989%
8	2.457	416	425	436	rBV	111296	167308	10.66%	1.527%
9	2.991	580	591	602	rVV2	8945	19452	1.24%	0.178%
10	3.065	605	614	625	rVB4	8569	17826	1.14%	0.163%
11	3.206	651	658	669	rVB7	4852	8928	0.57%	0.081%
12	3.528	752	758	759	rBV3	1979	1374	0.09%	0.013%
13	3.746	813	826	847	rBV	42464	104381	6.65%	0.953%
14	3.933	868	884	904	rBV2	72174	199169	12.68%	1.818%
15	4.245	975	981	983	rBV4	1627	1437	0.09%	0.013%
16	4.322	1001	1005	1008	rBV5	1863	1466	0.09%	0.013%
17	4.396	1008	1028	1051	rBV	172781	427753	27.24%	3.905%
18	4.627	1095	1100	1101	rBV5	1512	1385	0.09%	0.013%
19	4.695	1115	1121	1124	rBV7	1035	1285	0.08%	0.012%
20	5.090	1226	1244	1275	rBV2	423001	1053483	67.09%	9.616%
21	5.283	1303	1304	1310	rVB6	2106	1537	0.10%	0.014%
22	5.370	1321	1331	1353	rBV4	15895	39680	2.53%	0.362%
23	5.511	1366	1375	1376	rBV8	1308	1714	0.11%	0.016%
24	5.576	1377	1395	1408	rVV2	16331	56545	3.60%	0.516%
25	5.659	1408	1421	1452	rVB	353731	716314	45.62%	6.539%
26	5.958	1499	1514	1532	rBV	172432	345668	22.01%	3.155%
27	6.116	1549	1563	1582	rBV	241008	489674	31.19%	4.470%
28	6.328	1618	1629	1651	rBV	149861	294308	18.74%	2.686%
29	6.650	1723	1729	1731	rBV7	1578	1530	0.10%	0.014%
30	6.791	1767	1773	1774	rBV5	1395	1068	0.07%	0.010%
31	7.029	1834	1847	1872	rVB	132216	241374	15.37%	2.203%
32	7.180	1889	1894	1895	rBV4	1560	1195	0.08%	0.011%
33	7.277	1919	1924	1927	rBV6	1571	1711	0.11%	0.016%
34	7.357	1931	1949	1963	rBV	454213	808440	51.49%	7.379%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

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\SOM2VLM053019S.M
Title : VOC Analysis

35	7.605	2023	2026	2031	rVB7	2877	2285	0.15%	0.021%
36	7.662	2034	2044	2057	rVV	81962	139688	8.90%	1.275%
37	7.727	2058	2064	2084	rVB8	11461	30078	1.92%	0.275%
38	7.978	2128	2142	2147	rBV8	10700	21080	1.34%	0.192%
39	8.132	2178	2190	2208	rBV	153404	270594	17.23%	2.470%
40	8.280	2224	2236	2282	rBV	944990	1570187	100.00%	14.333%
41	8.582	2327	2330	2338	rVV10	1033	1388	0.09%	0.013%
42	8.804	2395	2399	2402	rBV4	1434	1206	0.08%	0.011%
43	8.894	2406	2427	2447	rBV	453870	759305	48.36%	6.931%
44	9.055	2474	2477	2486	rVB8	2345	2776	0.18%	0.025%
45	9.113	2486	2495	2504	rBV8	3112	5782	0.37%	0.053%
46	9.180	2508	2516	2524	rBV9	8100	14110	0.90%	0.129%
47	9.251	2528	2538	2563	rVV3	29610	101852	6.49%	0.930%
48	9.354	2564	2570	2579	rVB7	12459	19987	1.27%	0.182%
49	9.531	2614	2625	2636	rBV3	12615	29307	1.87%	0.268%
50	9.650	2660	2662	2667	rBV6	1565	1297	0.08%	0.012%
51	9.749	2686	2693	2700	rBV4	5688	8653	0.55%	0.079%
52	9.849	2715	2724	2737	rBV2	60465	97640	6.22%	0.891%
53	9.994	2760	2769	2777	rVB9	6640	11951	0.76%	0.109%
54	10.174	2822	2825	2830	rVV7	1857	2205	0.14%	0.020%
55	10.260	2833	2852	2869	rVV	166372	288997	18.41%	2.638%
56	10.322	2869	2871	2875	rVB5	2170	1401	0.09%	0.013%
57	10.383	2885	2890	2891	rBV3	2189	1623	0.10%	0.015%
58	10.424	2891	2903	2916	rVB4	14666	28048	1.79%	0.256%
59	10.521	2928	2933	2935	rBV4	1235	1018	0.06%	0.009%
60	10.556	2935	2944	2957	rVV4	9771	21171	1.35%	0.193%
61	10.624	2957	2965	2986	rVB3	20017	39908	2.54%	0.364%
62	10.759	2999	3007	3014	rBV2	10278	16658	1.06%	0.152%
63	10.804	3014	3021	3035	rVB5	16590	31126	1.98%	0.284%
64	10.981	3063	3076	3089	rVB8	26527	73916	4.71%	0.675%
65	11.138	3118	3125	3129	rBV7	2261	2691	0.17%	0.025%
66	11.196	3134	3143	3152	rBV3	38788	64832	4.13%	0.592%
67	11.293	3162	3173	3193	rVB	275713	461177	29.37%	4.210%
68	11.373	3196	3198	3204	rVB7	1997	1930	0.12%	0.018%
69	11.582	3251	3263	3270	rBV5	9431	16922	1.08%	0.154%
70	11.672	3279	3291	3303	rBV	214452	349532	22.26%	3.191%
71	11.826	3332	3339	3344	rBV8	3237	4116	0.26%	0.038%

LSC Area Percent Report

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Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

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\SOM2VLM053019S.M
Title : VOC Analysis

72	12.055	3401	3410	3427	rVB5	27163	50001	3.18%	0.456%
73	12.186	3447	3451	3452	rBV4	1425	1027	0.07%	0.009%
74	12.296	3476	3485	3502	rBV2	14959	26825	1.71%	0.245%
75	12.392	3505	3515	3531	rBV3	28523	49681	3.16%	0.453%
76	12.717	3605	3616	3623	rBV10	6076	10272	0.65%	0.094%
77	12.784	3631	3637	3647	rBV8	5478	8021	0.51%	0.073%
78	13.000	3698	3704	3711	rBV8	2675	3955	0.25%	0.036%
79	13.035	3711	3715	3723	rVB8	1862	2609	0.17%	0.024%
80	13.074	3723	3727	3729	rBV4	1775	1155	0.07%	0.011%
81	13.122	3735	3742	3748	rBV4	2090	2831	0.18%	0.026%
82	13.437	3837	3840	3844	rVB4	1750	1475	0.09%	0.013%
83	13.482	3849	3854	3860	rVV8	3511	4769	0.30%	0.044%
84	13.627	3895	3899	3900	rBV5	1741	1150	0.07%	0.010%
85	13.704	3920	3923	3927	rVB5	1326	1028	0.07%	0.009%
86	13.919	3987	3990	3994	rVV5	1288	1201	0.08%	0.011%
87	13.968	3999	4005	4008	rVB7	1050	1287	0.08%	0.012%
88	14.090	4034	4043	4057	rVB2	15473	26201	1.67%	0.239%
89	14.231	4079	4087	4092	rVV10	4928	7441	0.47%	0.068%
90	14.382	4126	4134	4144	rBV10	4971	8784	0.56%	0.080%
91	14.685	4227	4228	4233	rVB5	1936	1208	0.08%	0.011%
92	14.720	4233	4239	4243	rBV5	1238	1365	0.09%	0.012%
93	14.752	4246	4249	4253	rBV5	1575	1154	0.07%	0.011%
94	14.865	4280	4284	4288	rBV6	1670	1973	0.13%	0.018%
95	14.961	4309	4314	4317	rBV5	1135	1214	0.08%	0.011%
96	15.138	4366	4369	4372	rBV4	1382	1088	0.07%	0.010%
97	15.196	4383	4387	4389	rBV4	1817	1824	0.12%	0.017%
98	15.373	4439	4442	4444	rBV4	1711	1297	0.08%	0.012%
99	15.411	4451	4454	4456	rBV3	1381	1010	0.06%	0.009%
100	15.675	4532	4536	4538	rBV5	1534	1109	0.07%	0.010%

Sum of corrected areas: 10955318

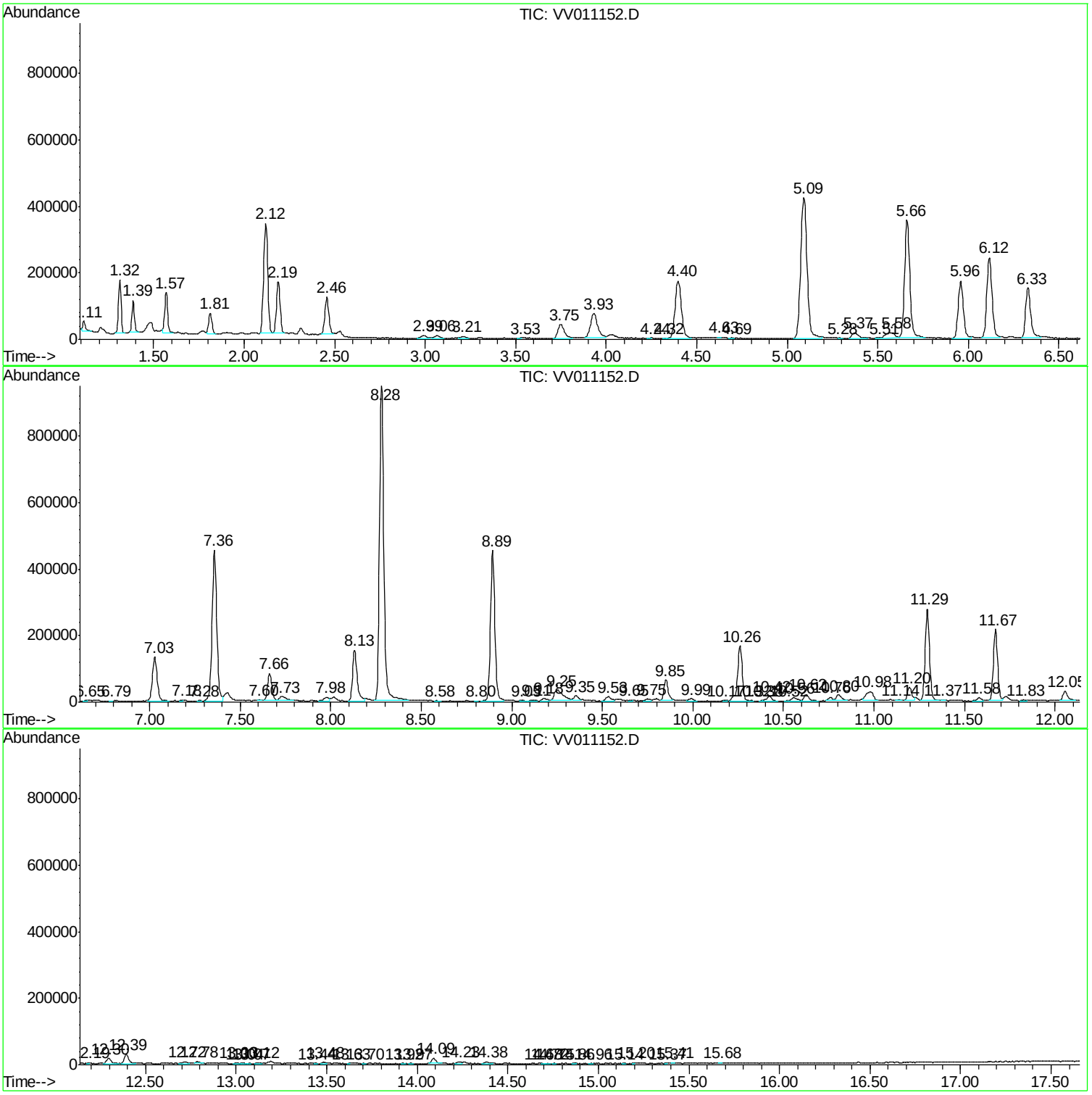
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.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\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

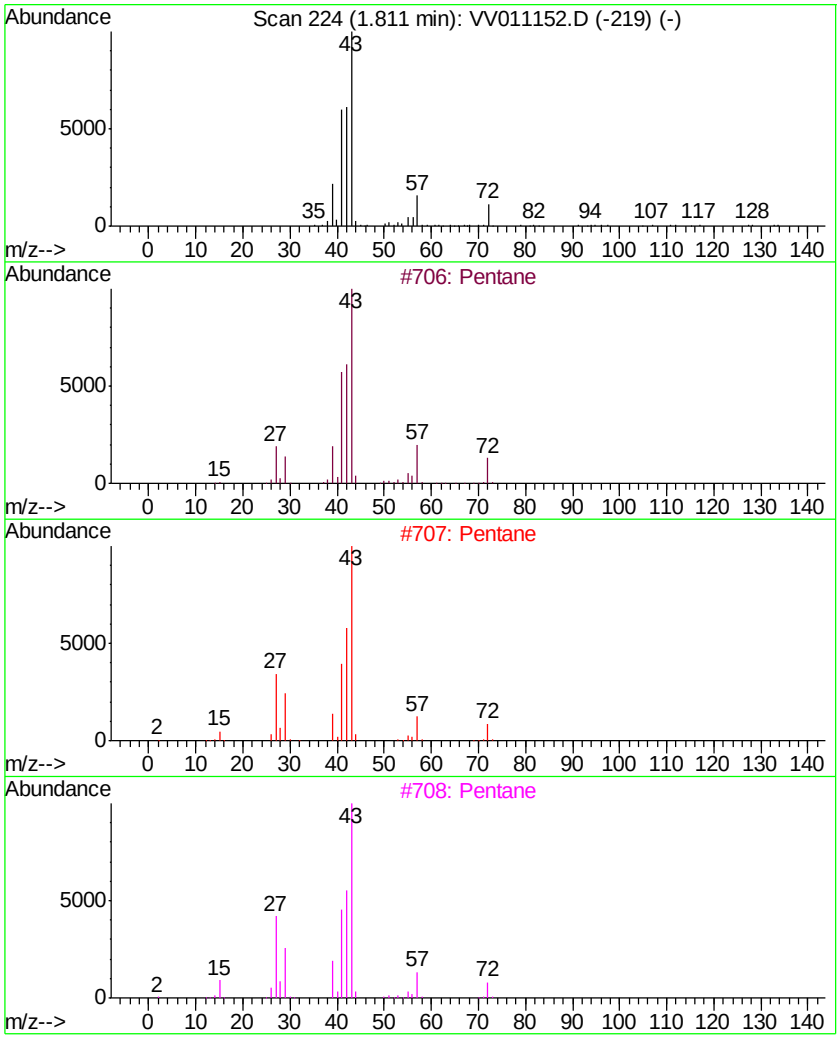
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

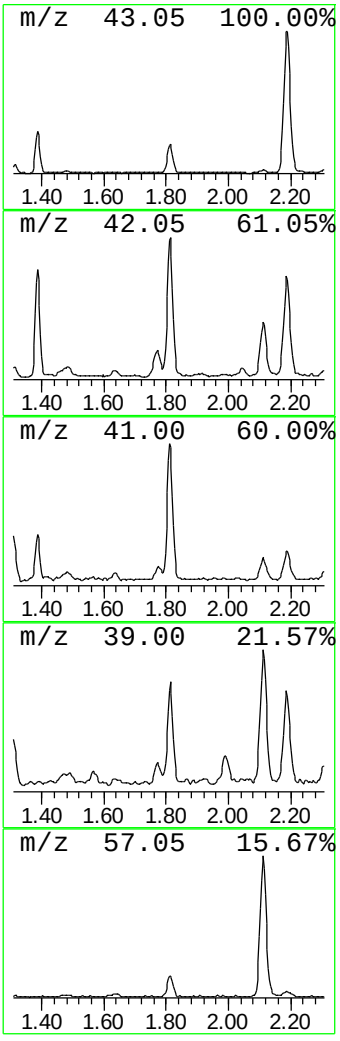
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	2.61 ug/L	74658	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	78
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
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Operator : SY/MD
Sample : K3083-04
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

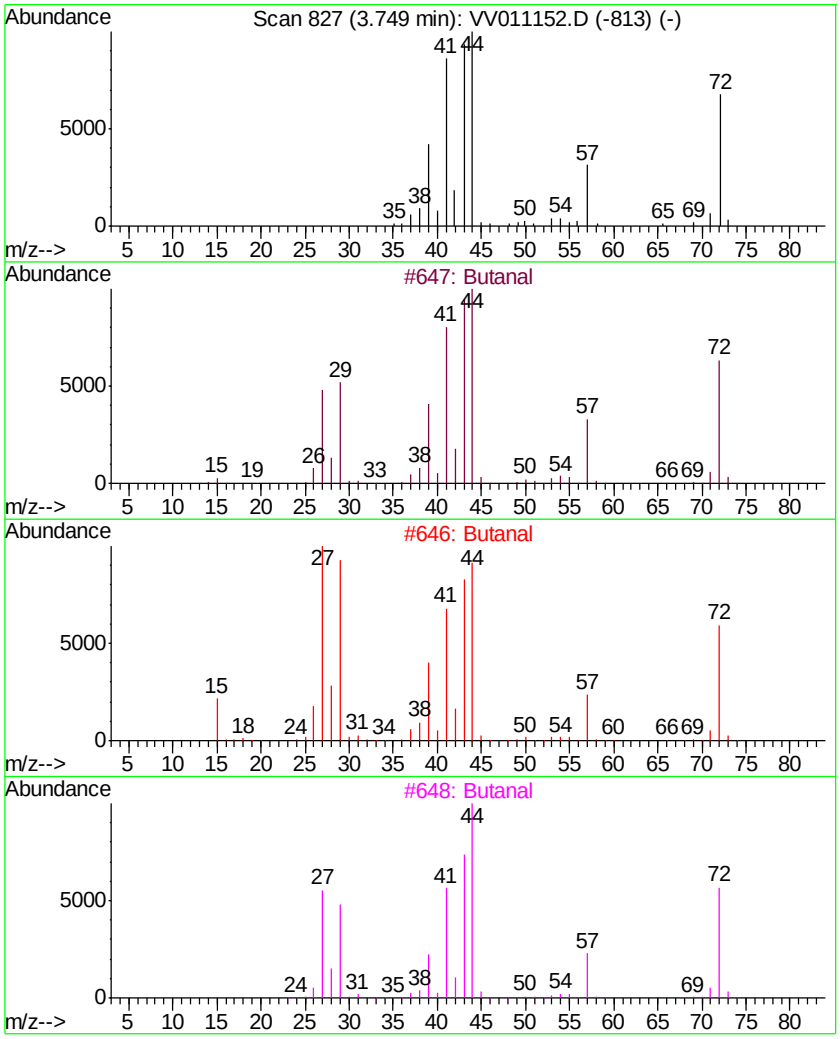
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

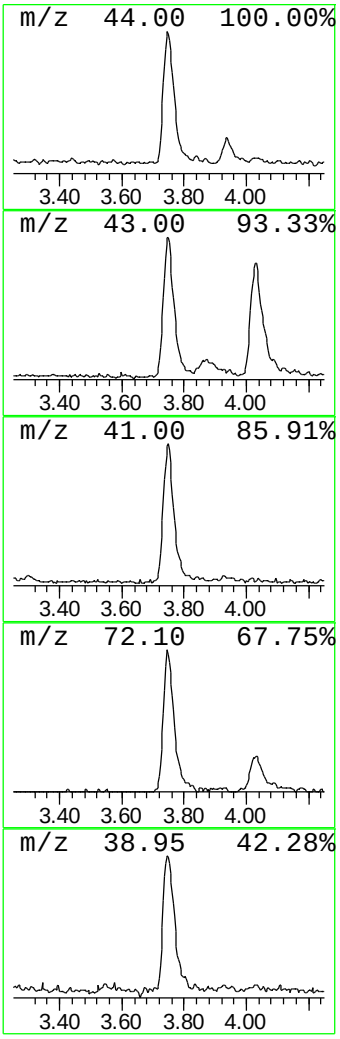
****

Peak Number 3 Butanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	3.64 ug/L	104381	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	64
4	Butanal	72	C4H8O	000123-72-8	53
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
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Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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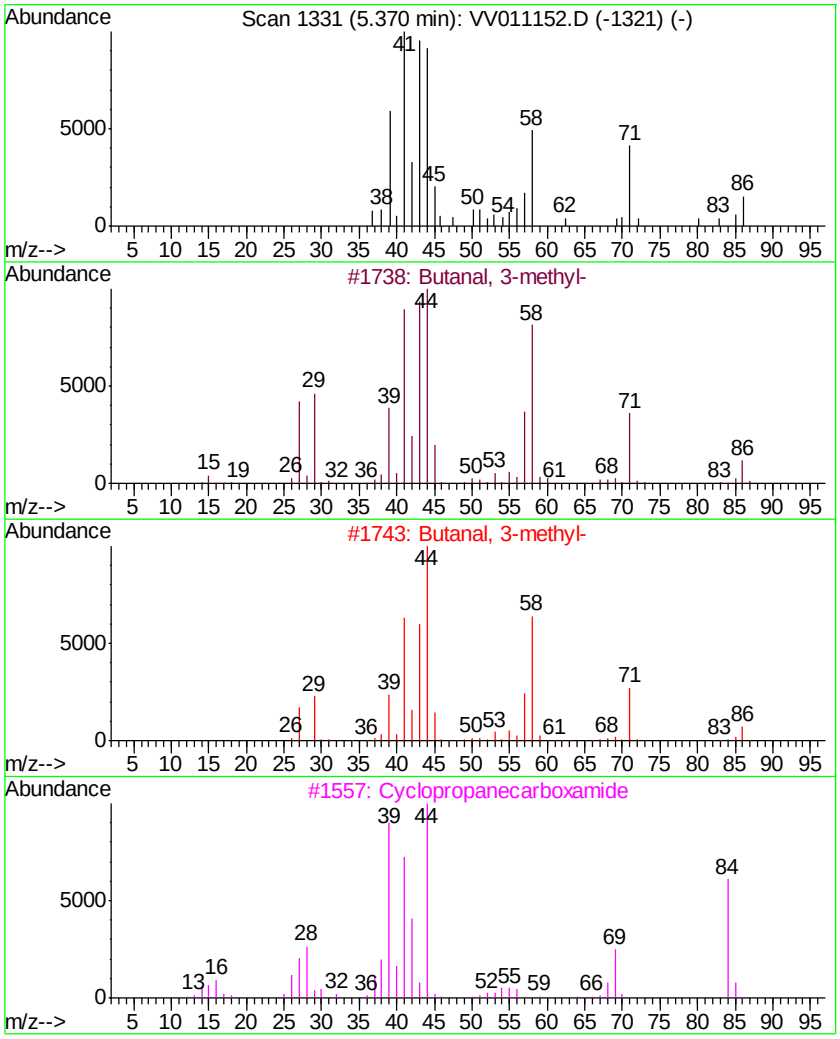
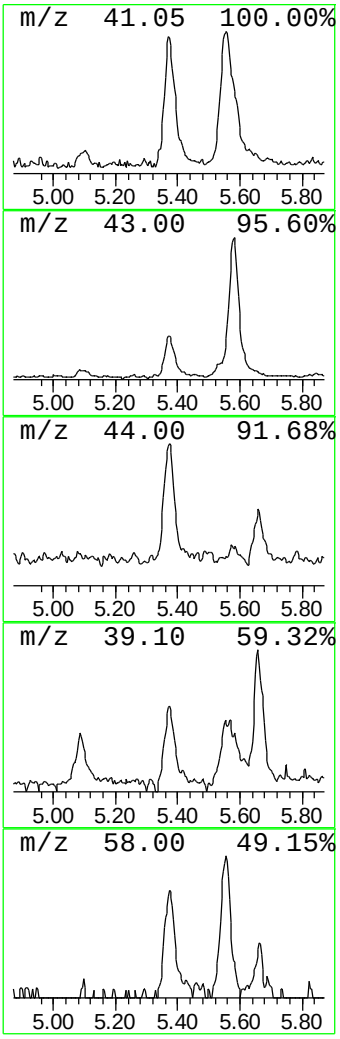
Peak Number 4 Butanal, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	1.38 ug/L	39680	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	52
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
3	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	37
4	1-Isopropyldiaziridine	86	C4H10N2	033657-26-0	37
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

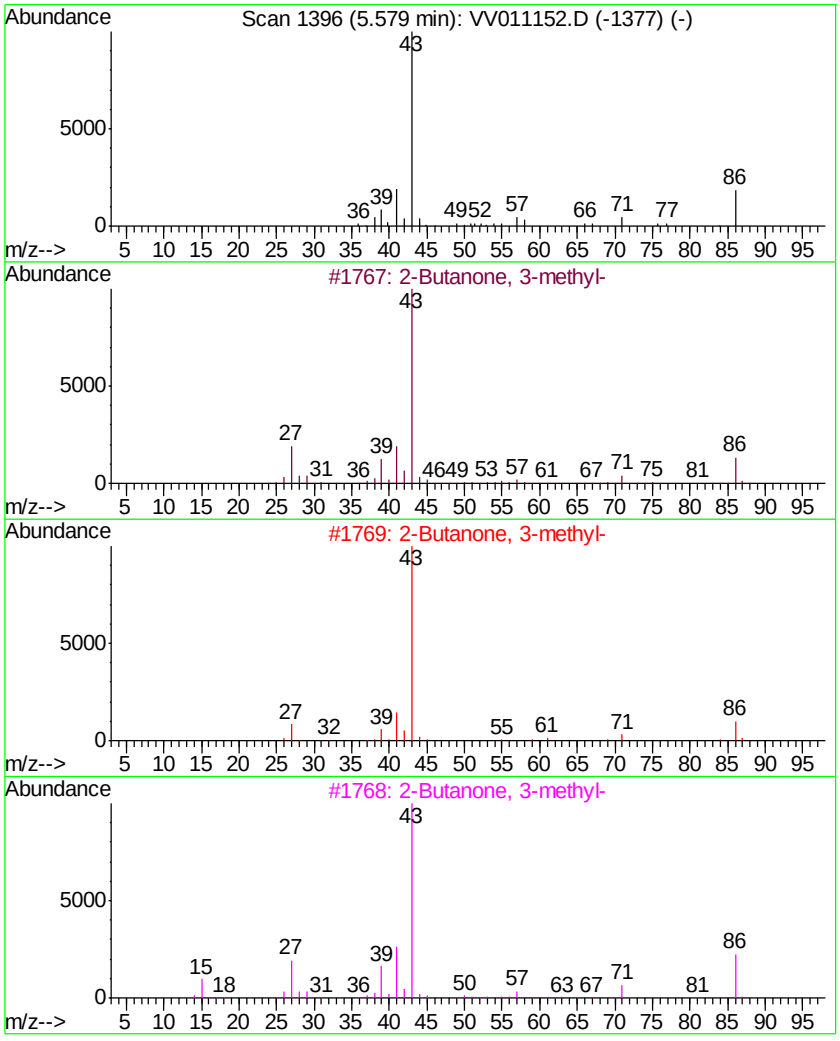
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

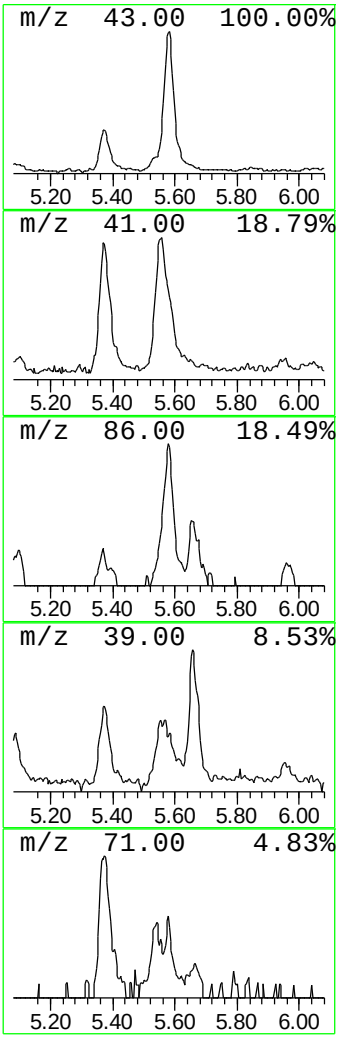
****

Peak Number 5 2-Butanone, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	1.97 ug/L	56545	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	45
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	42
4	2-Pentanone	86	C5H10O	000107-87-9	40
5	2-Pentanone	86	C5H10O	000107-87-9	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
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Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

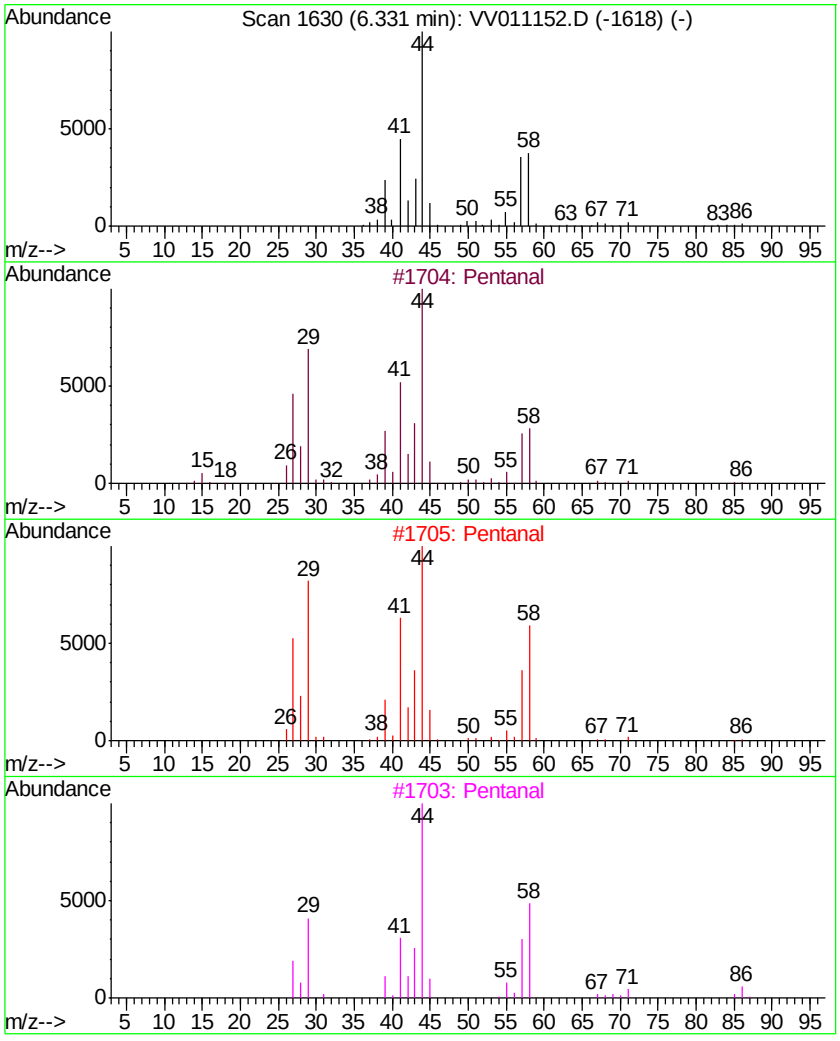
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

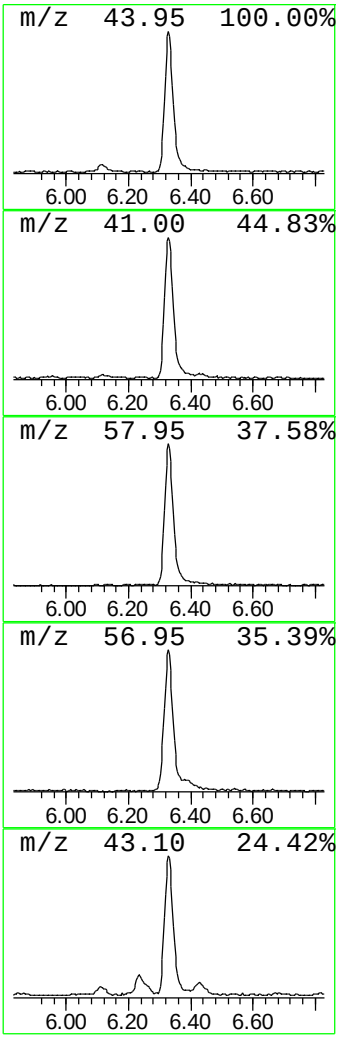
****

Peak Number 6 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	10.27 ug/L	294308	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Pentanal	86	C5H10O	000110-62-3	58
3	Pentanal	86	C5H10O	000110-62-3	56
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	36
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	36





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Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

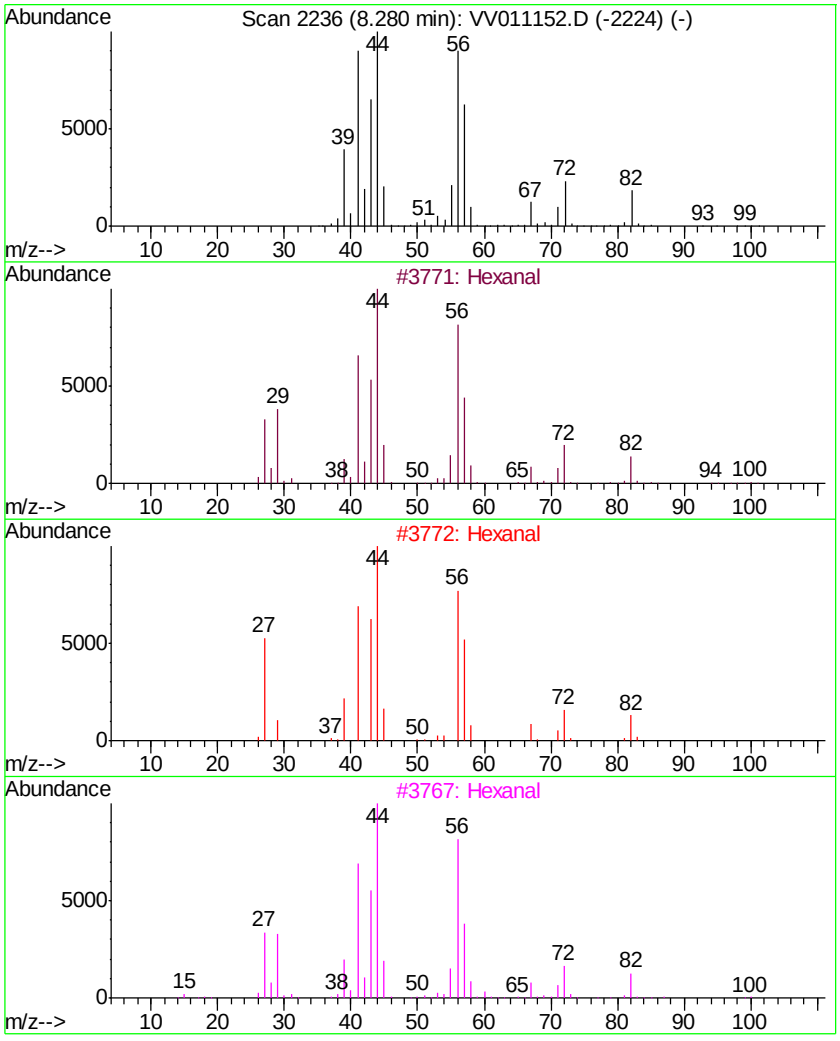
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

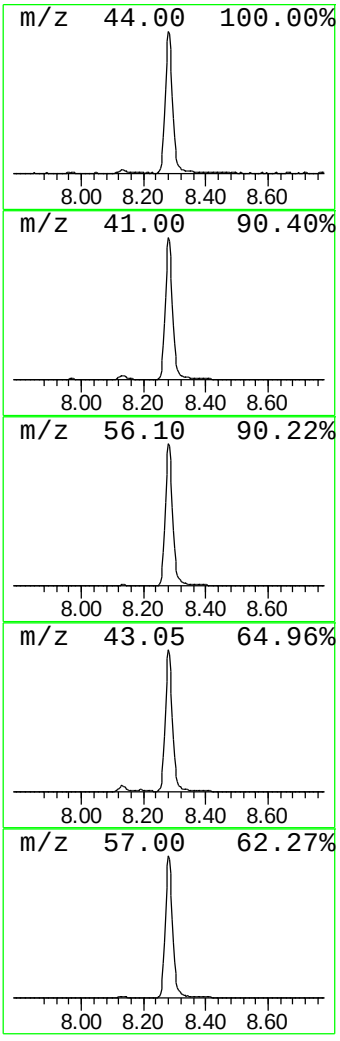
****

Peak Number 8 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	51.70 ug/L	1570190	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	80
2	Hexanal	100	C6H12O	000066-25-1	80
3	Hexanal	100	C6H12O	000066-25-1	80
4	Hexanal	100	C6H12O	000066-25-1	72
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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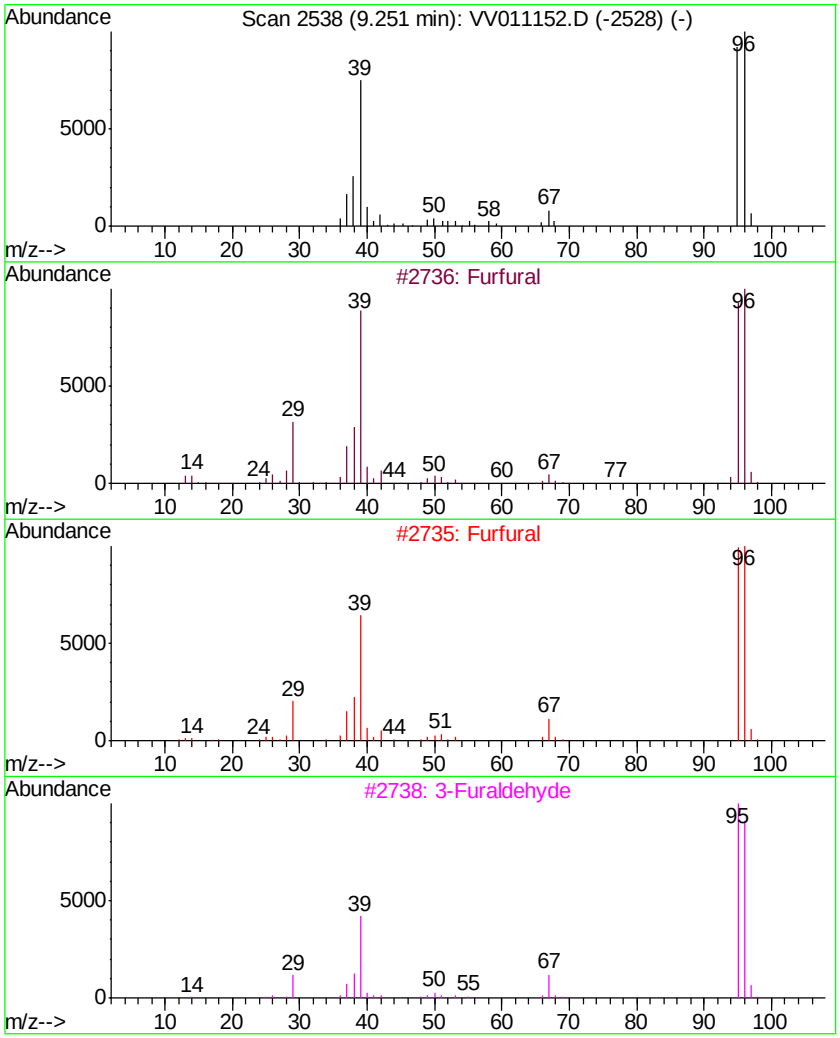
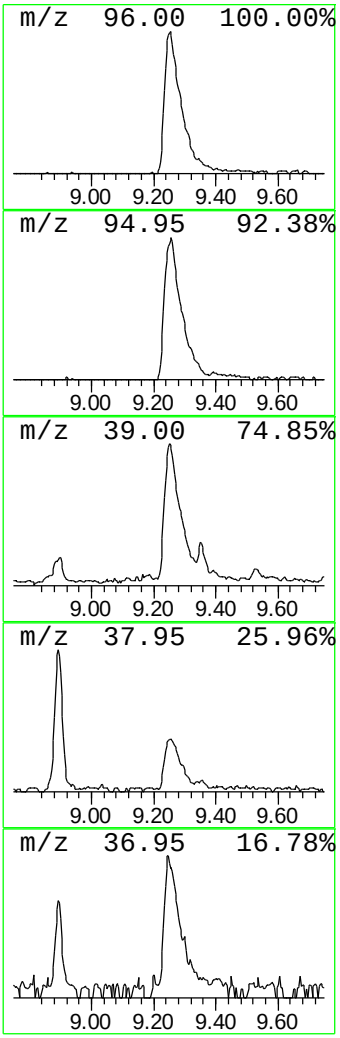
Peak Number 9 Furfural Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.35 ug/L	101852	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	97
2	Furfural	96	C5H4O2	000098-01-1	91
3	3-Furaldehyde	96	C5H4O2	000498-60-2	91
4	Furfural	96	C5H4O2	000098-01-1	87
5	1H-Imidazole, 1,4-dimethyl-	96	C5H8N2	006338-45-0	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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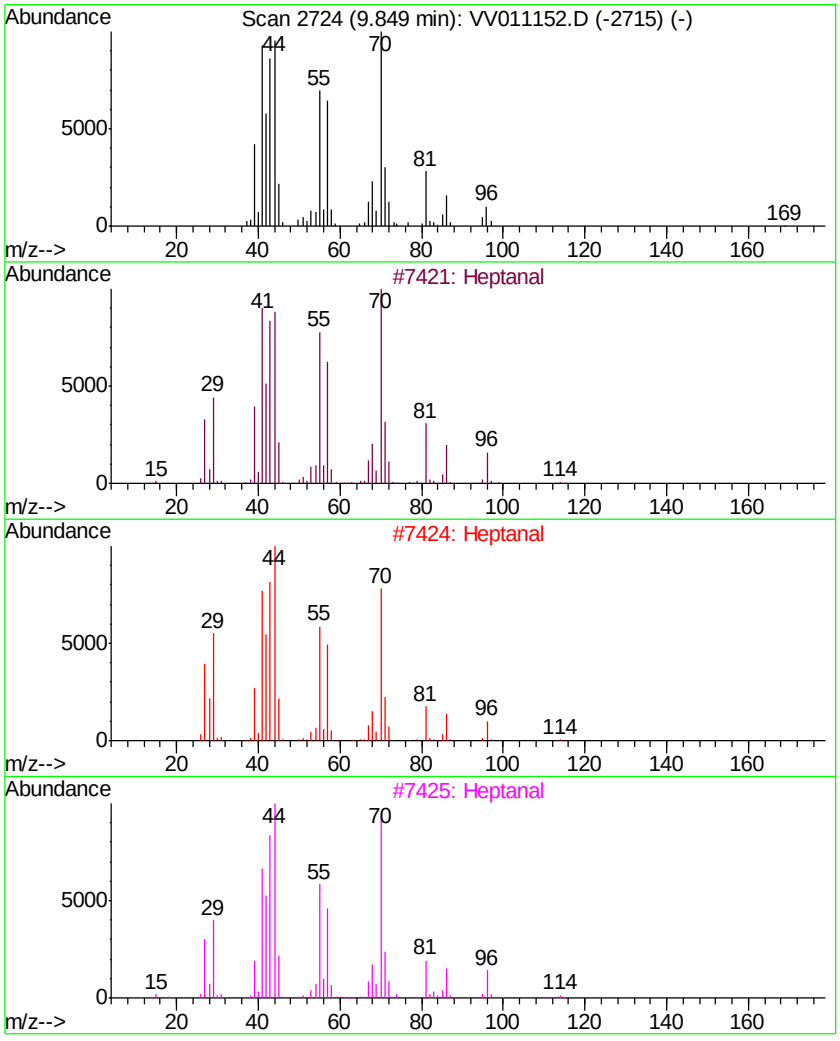
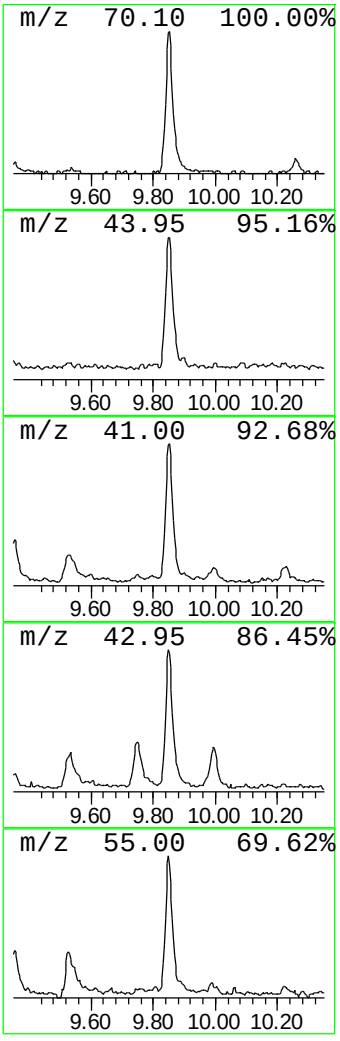
Peak Number 10 Heptanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	3.21 ug/L	97640	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	80
4	Heptanal	114	C7H14O	000111-71-7	80
5	Heptanal	114	C7H14O	000111-71-7	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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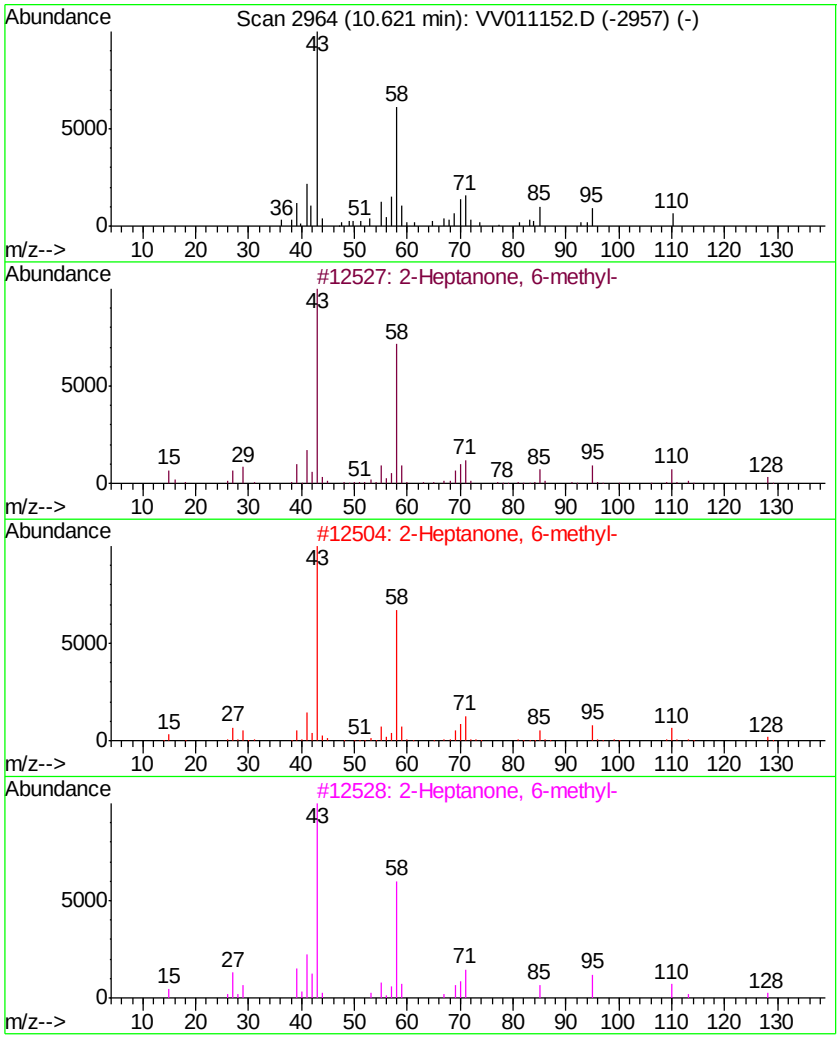
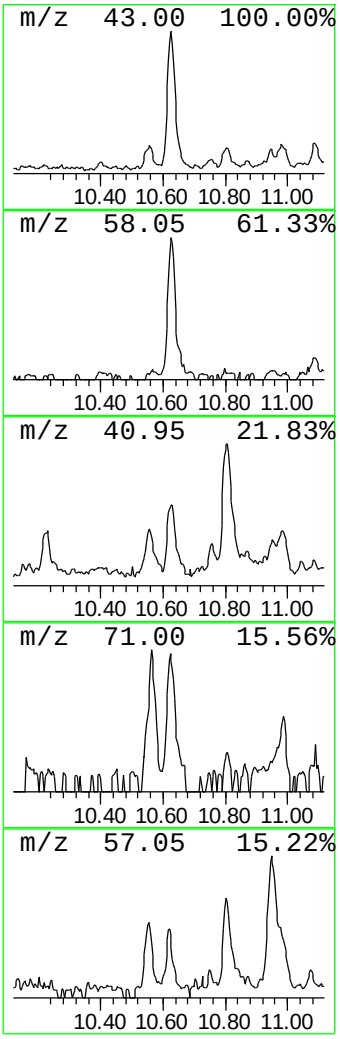
Peak Number 12 2-Heptanone, 6-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	2.16 ug/L	39908	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	90
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	83
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	83
4	2-Hexanone	100	C6H12O	000591-78-6	53
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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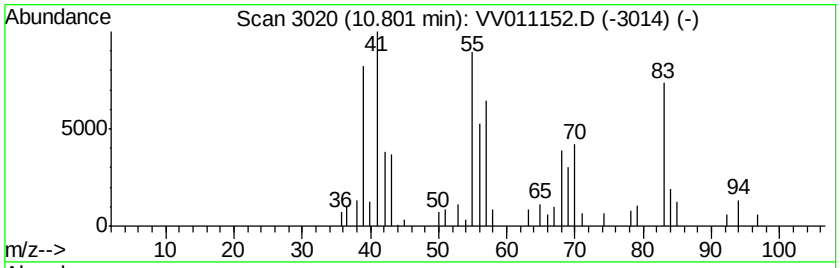
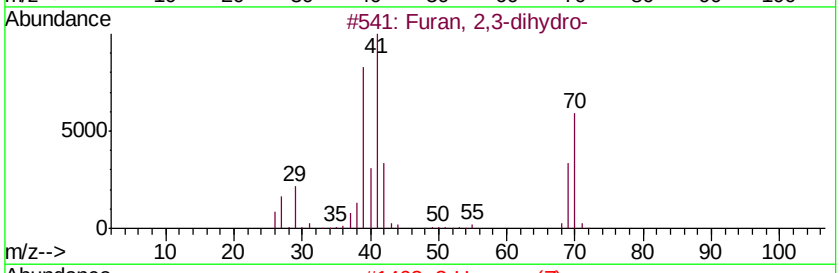
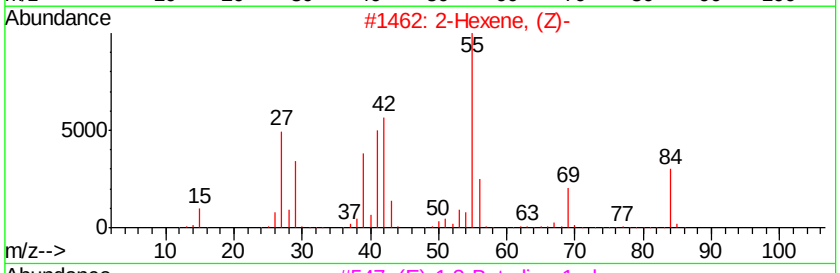
Peak Number 13 Furan, 2,3-dihydro- Concentration Rank 15

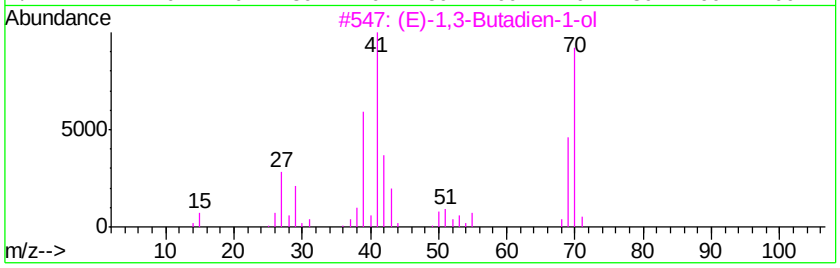
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	1.69 ug/L	31126	1,4-Dichlorobenzene-d4	11.30

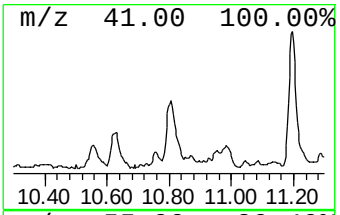
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	53
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	53
3	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	53
4	4-Pentenal	84	C5H8O	002100-17-6	50
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	42

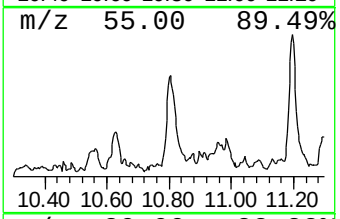


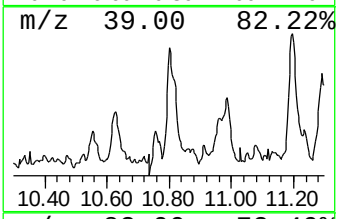


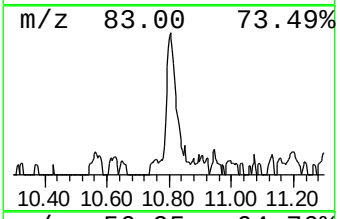


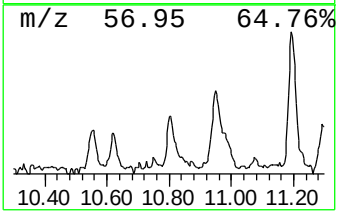












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

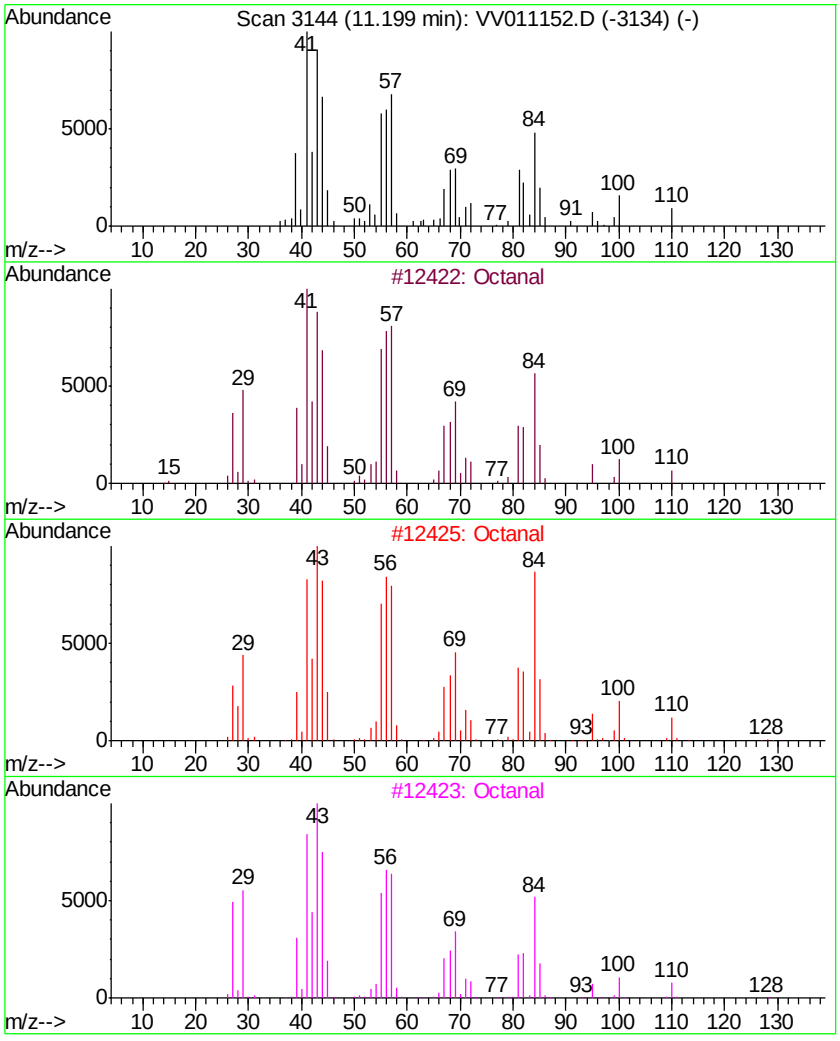
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

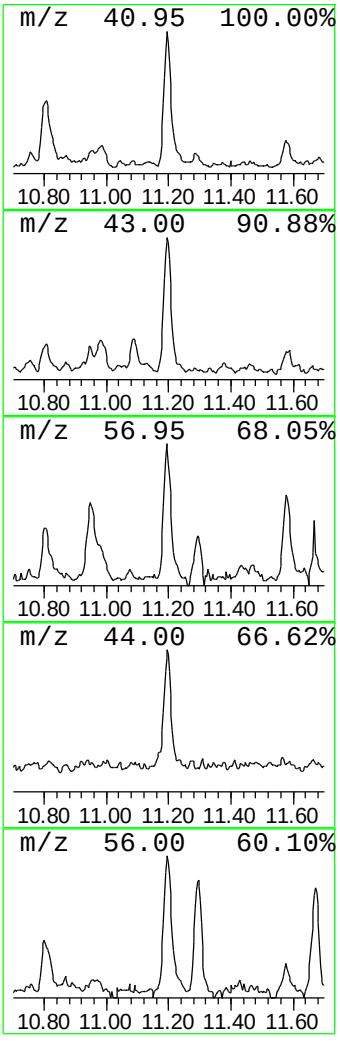
****

Peak Number 15 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.51 ug/L	64832	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	91
4	Octanal	128	C8H16O	000124-13-0	87
5	Octanal	128	C8H16O	000124-13-0	64





Library Search Compound Report

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Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

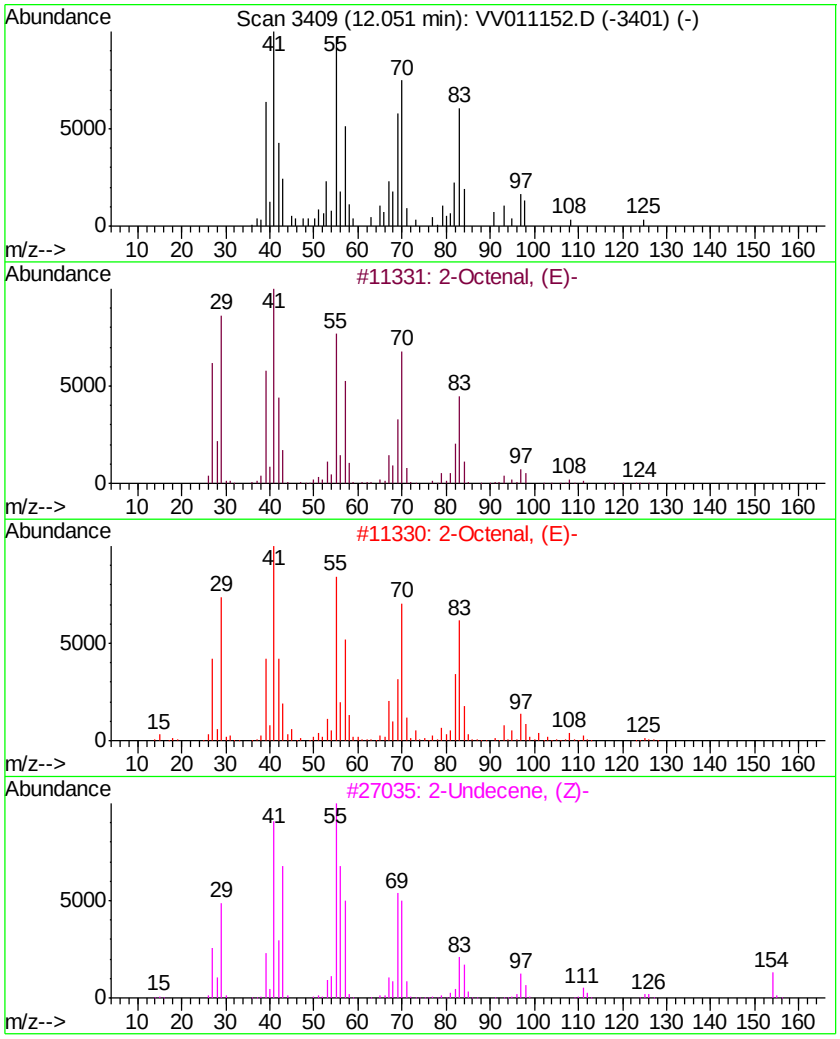
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

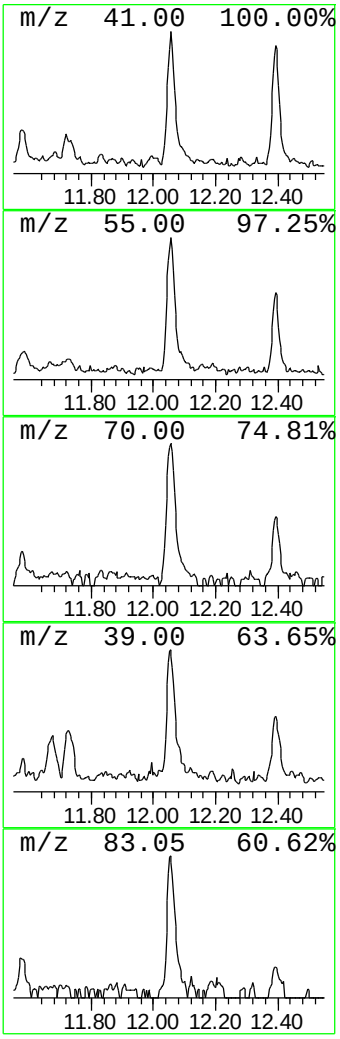
****

Peak Number 16 2-Octenal, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.71 ug/L	50001	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	72
2	2-Octenal, (E)-	126	C8H14O	002548-87-0	72
3	2-Undecene, (Z)-	154	C11H22	000821-96-5	53
4	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	53
5	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	49





Library Search Compound Report

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Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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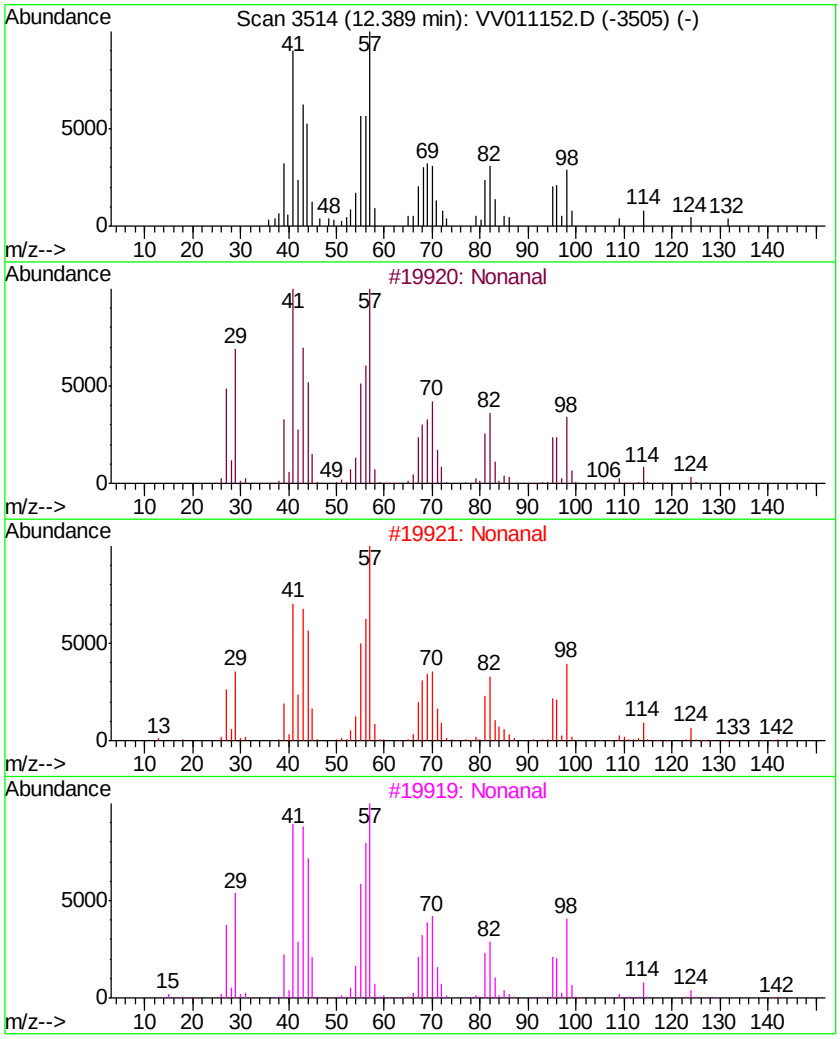
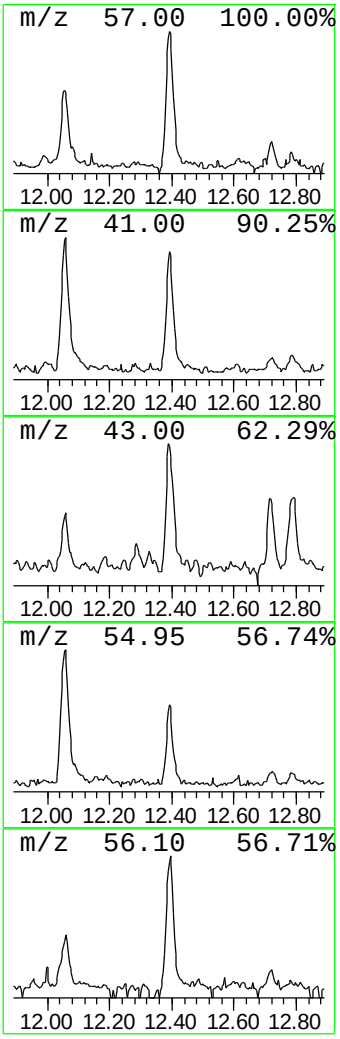
Peak Number 18 Nonanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.69 ug/L	49681	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	91
3	Nonanal	142	C9H18O	000124-19-6	91
4	Nonanal	142	C9H18O	000124-19-6	86
5	18-Nonadecen-1-ol	282	C19H38O	1000142-89-2	35





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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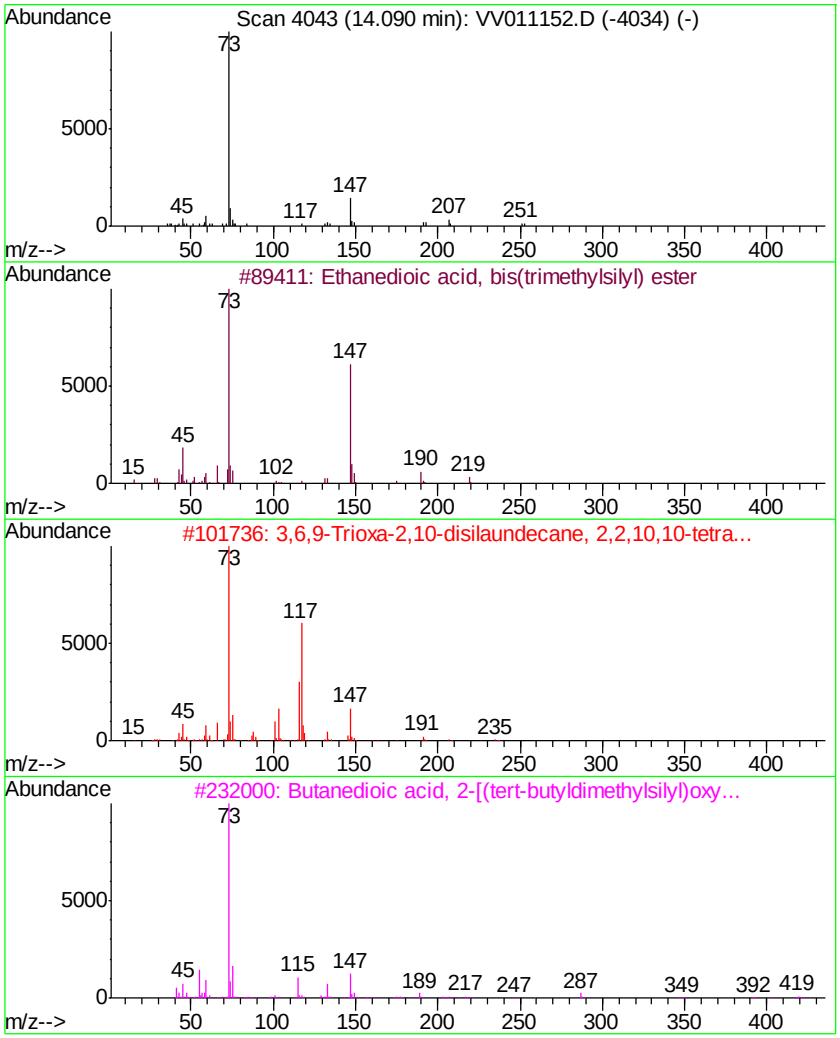
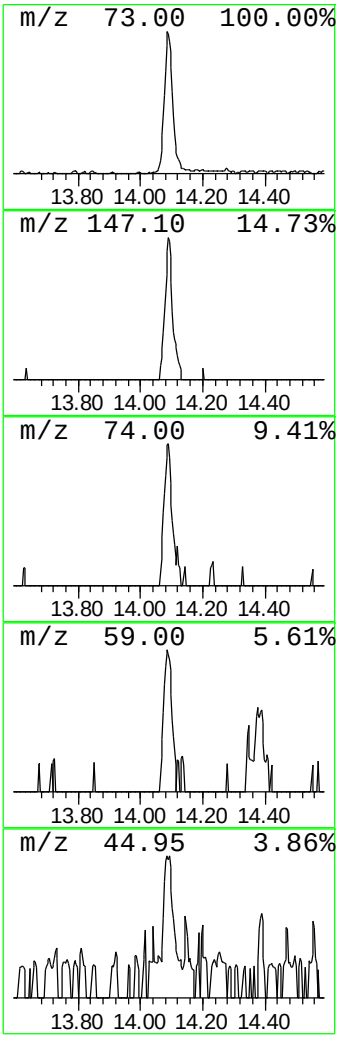
Peak Number 19 Ethanedioic acid, bis(trime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	1.42 ug/L	26201	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	50
2	3,6,9-Trioxa-2,10-disilaundecane...	250	C10H26O3Si2	016654-74-3	38
3	Butanedioic acid, 2-[(tert-butyl...	476	C22H48O5Si3	099461-86-6	33
4	3,6,9-Trioxa-2,10-disilaundecane...	250	C10H26O3Si2	016654-74-3	28
5	Butanoic acid, 3-methyl-2-oxo-, ...	188	C8H16O3Si	074367-70-7	28





Tentatively Identified Compound (LSC) summary

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Data File : VV011152.D
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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...	1.81	2.6	ug/L	74658	1	5.66	716314	25.0
Butanal	3.75	3.6	ug/L	104381	1	5.66	716314	25.0
Butanal, 3-methyl-	5.37	1.4	ug/L	39680	1	5.66	716314	25.0
2-Butanone, 3-met...	5.58	2.0	ug/L	56545	1	5.66	716314	25.0
Pentanal	6.33	10.3	ug/L	294308	1	5.66	716314	25.0
Hexanal	8.28	51.7	ug/L	1570190	2	8.89	759305	25.0
Furfural	9.25	3.4	ug/L	101852	2	8.89	759305	25.0
Heptanal	9.85	3.2	ug/L	97640	2	8.89	759305	25.0
2-Heptanone, 6-me...	10.62	2.2	ug/L	39908	3	11.30	461177	25.0
Furan, 2,3-dihydro-	10.80	1.7	ug/L	31126	3	11.30	461177	25.0
Octanal	11.20	3.5	ug/L	64832	3	11.30	461177	25.0
2-Octenal, (E)-	12.05	2.7	ug/L	50001	3	11.30	461177	25.0
Nonanal	12.39	2.7	ug/L	49681	3	11.30	461177	25.0
Ethanedioic acid,...	14.09	1.4	ug/L	26201	3	11.30	461177	25.0