LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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	1.110	3	6	23	rVB2	75156	77761	0.72%	0.316%
2	1.200	29	34	45	rBV2	28375	43230	0.40%	0.176%
3	1.309	61	68	76	rVB	257741	245938	2.27%	0.999%
4	1.380	84	90	97	rBV	94228	97728	0.90%	0.397%
5	1.553	139	144	154	rVB	147268	174759	1.61%	0.710%
6	1.801	213	221	237	rVB	741294	972476	8.96%	3.948%
7	2.113	309	318	329	rVB2	292047	434567	4.01%	1.764%
8	2.184	331	340	354	rVB	308973	452357	4.17%	1.837%
9	2.450	414	423	438	rVB	163471	259361	2.39%	1.053%
10	2.720	502	507	510	rBV7	1424	1448	0.01%	0.006%
11	2.984	578	589	599	rVV2	15538	33881	0.31%	0.138%
12	3.058	603	612	629	rVB3	14373	30375	0.28%	0.123%
13	3.200	645	656	666	rBV4	14171	29111	0.27%	0.118%
14	3.357	700	705	707	rBV5	1410	1272	0.01%	0.005%
15	3.392	713	716	720	rBV5	1183	1089	0.01%	0.004%
16	3.740	812	824	848	rBV2	85452	206898	1.91%	0.840%
17	3.929	869	883	902	rBV	53488	139537	1.29%	0.567%
18	4.187	961	963	965	rBV3	1261	722	0.01%	0.003%
19	4.261	984	986	991	rVB5	985	778	0.01%	0.003%
20	4.290	991	995	1001	rBV8	1958	1555	0.01%	0.006%
21	4.392	1006	1027	1047	rBV	189686	471037	4.34%	1.912%
22	4.595	1088	1090	1092	rBV3	1225	719	0.01%	0.003%
23	4.801	1152	1154	1159	rVB4	1867	1255	0.01%	0.005%
24	4.865	1168	1174	1178	rBV7	1111	1432	0.01%	0.006%
25	5.010	1215	1219	1220	rBV3	1214	752	0.01%	0.003%
26	5.087	1223	1243	1269	rBV2	479706	1185695	10.93%	4.814%
27	5.283	1302	1304	1307	rVB4	1458	794	0.01%	0.003%
28	5.367	1318	1330	1346	rBV4	38606	89660	0.83%	0.364%
29	5.569	1367	1393	1407	rBV2	106844	265655	2.45%	1.079%
30	5.656	1408	1420	1441	rVB	374921	743400	6.85%	3.018%
31	5.913	1497	1500	1503	rBV4	1270	968	0.01%	0.004%
32	5.955	1503	1513	1522	rVV4	5001	11116	0.10%	0.045%
33	6.113	1548	1562	1582	rBV	269692	535357	4.93%	2.174%
34	6.325	1615	1628	1655	rBV	888688	1674576	15.44%	6.799%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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	6.627	1719	1722	1725	rBV5	1524	1273	0.01%	0.005%
36	6.695	1740	1743	1746	rBV5	2472	1662	0.02%	0.007%
37	7.026	1825	1846	1865	rVV	149625	278071	2.56%	1.129%
38	7.190	1887	1897	1906	rVB9	7226	15539	0.14%	0.063%
39	7.280	1917	1925	1928	rBV5	2455	2998	0.03%	0.012%
40	7.357	1928	1949	1963	rBV2	513903	1071357	9.88%	4.350%
41	7.605	2018	2026	2033	rBV3	8744	12994	0.12%	0.053%
42	7.659	2033	2043	2060	rVB	92907	155896	1.44%	0.633%
43	7.746	2060	2070	2081	rBV	9737	19501	0.18%	0.079%
44	7.961	2128	2137	2149	rBV7	21918	55444	0.51%	0.225%
45	8.132	2179	2190	2211	rBV	186682	361656	3.33%	1.468%
46	8.280	2224	2236	2284	rVB	6572519	10848909	100.00%	44.047%
47	8.894	2411	2427	2442	rBV	420237	700099	6.45%	2.842%
48	9.106	2486	2493	2495	rBV4	3750	4403	0.04%	0.018%
49	9.241	2511	2535	2560	rBV3	47018	177684	1.64%	0.721%
50	9.354	2563	2570	2578	rVV3	21577	33171	0.31%	0.135%
51	9.521	2613	2622	2636	rBV2	44378	90363	0.83%	0.367%
52	9.743	2682	2691	2702	rBV	26000	44118	0.41%	0.179%
53	9.849	2715	2724	2749	rVB2	157091	255460	2.35%	1.037%
54	9.993	2757	2769	2780	rVB3	22568	40120	0.37%	0.163%
55	10.206	2833	2835	2837	rBV3	1297	795	0.01%	0.003%
56	10.260	2841	2852	2864	rVV	172877	272462	2.51%	1.106%
57	10.421	2885	2902	2915	rVB4	17836	40138	0.37%	0.163%
58	10.505	2926	2928	2929	rBV2	1533	839	0.01%	0.003%
59	10.566	2935	2947	2956	rBV2	49912	80901	0.75%	0.328%
60	10.624	2958	2965	2981	rVV3	26185	47729	0.44%	0.194%
61	10.759	2998	3007	3012	rBV2	28286	42357	0.39%	0.172%
62	10.801	3013	3020	3034	rVB2	60965	106741	0.98%	0.433%
63	10.942	3055	3064	3069	rBV	75850	123190	1.14%	0.500%
64	10.977	3070	3075	3090	rVB	149256	222393	2.05%	0.903%
65	11.193	3134	3142	3160	rVB	103959	164685	1.52%	0.669%
66	11.292	3163	3173	3190	rVV	196242	315258	2.91%	1.280%
67	11.379	3194	3200	3209	rVB10	3873	5485	0.05%	0.022%
68	11.575	3255	3261	3272	rBV6	7177	10909	0.10%	0.044%
69	11.672	3279	3291	3301	rBV	159216	262163	2.42%	1.064%
70	11.730	3301	3309	3320	rVB2	33020	54918	0.51%	0.223%
71	12.051	3399	3409	3429	rBV	173003	290306	2.68%	1.179%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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	12.292	3477	3484	3495	rVB2	10948	17681	0.16%	0.072%
73	12.392	3502	3515	3529	rBV2	62637	102614	0.95%	0.417%
74	12.543	3560	3562	3565	rBV4	928	759	0.01%	0.003%
75	12.591	3575	3577	3582	rVB6	1830	1268	0.01%	0.005%
76	12.720	3607	3617	3626	rVV6	8466	15255	0.14%	0.062%
77	12.781	3629	3636	3649	rVB10	5013	10413	0.10%	0.042%
78	12.852	3656	3658	3661	rBV4	1174	718	0.01%	0.003%
79	12.926	3677	3681	3688	rVB10	3218	4076	0.04%	0.017%
80	13.000	3698	3704	3705	rBV4	1281	1345	0.01%	0.005%
81	13.032	3712	3714	3719	rBV6	1176	919	0.01%	0.004%
82	13.186	3755	3762	3771	rBV6	8472	13410	0.12%	0.054%
83	13.341	3805	3810	3812	rBV6	1381	1088	0.01%	0.004%
84	13.485	3849	3855	3860	rBV5	2969	3558	0.03%	0.014%
85	13.611	3885	3894	3896	rBV7	5741	7036	0.06%	0.029%
86	13.704	3919	3923	3927	rBV6	1012	893	0.01%	0.004%
87	13.726	3927	3930	3934	rBV6	1375	1425	0.01%	0.006%
88	13.791	3946	3950	3953	rBV5	1190	1137	0.01%	0.005%
89	14.093	4037	4044	4052	rBV	3403	5435	0.05%	0.022%
90	14.228	4076	4086	4093	rBV10	8761	15352	0.14%	0.062%
91	14.379	4125	4133	4139	rBV5	6757	10706	0.10%	0.043%
92	14.489	4165	4167	4177	rVB10	2743	3991	0.04%	0.016%
93	14.572	4190	4193	4197	rBV4	923	778	0.01%	0.003%
94	14.681	4222	4227	4230	rBV6	1644	2024	0.02%	0.008%
95	14.958	4311	4313	4316	rBV4	910	715	0.01%	0.003%
96	15.029	4331	4335	4336	rBV4	1114	859	0.01%	0.003%
97	15.199	4380	4388	4393	rBV9	2964	3965	0.04%	0.016%
98	15.289	4412	4416	4419	rBV4	1539	1527	0.01%	0.006%
99	15.418	4453	4456	4459	rBV4	1577	1058	0.01%	0.004%
100	15.730	4550	4553	4555	rBV4	1358	774	0.01%	0.003%

Sum of corrected areas: 24630025

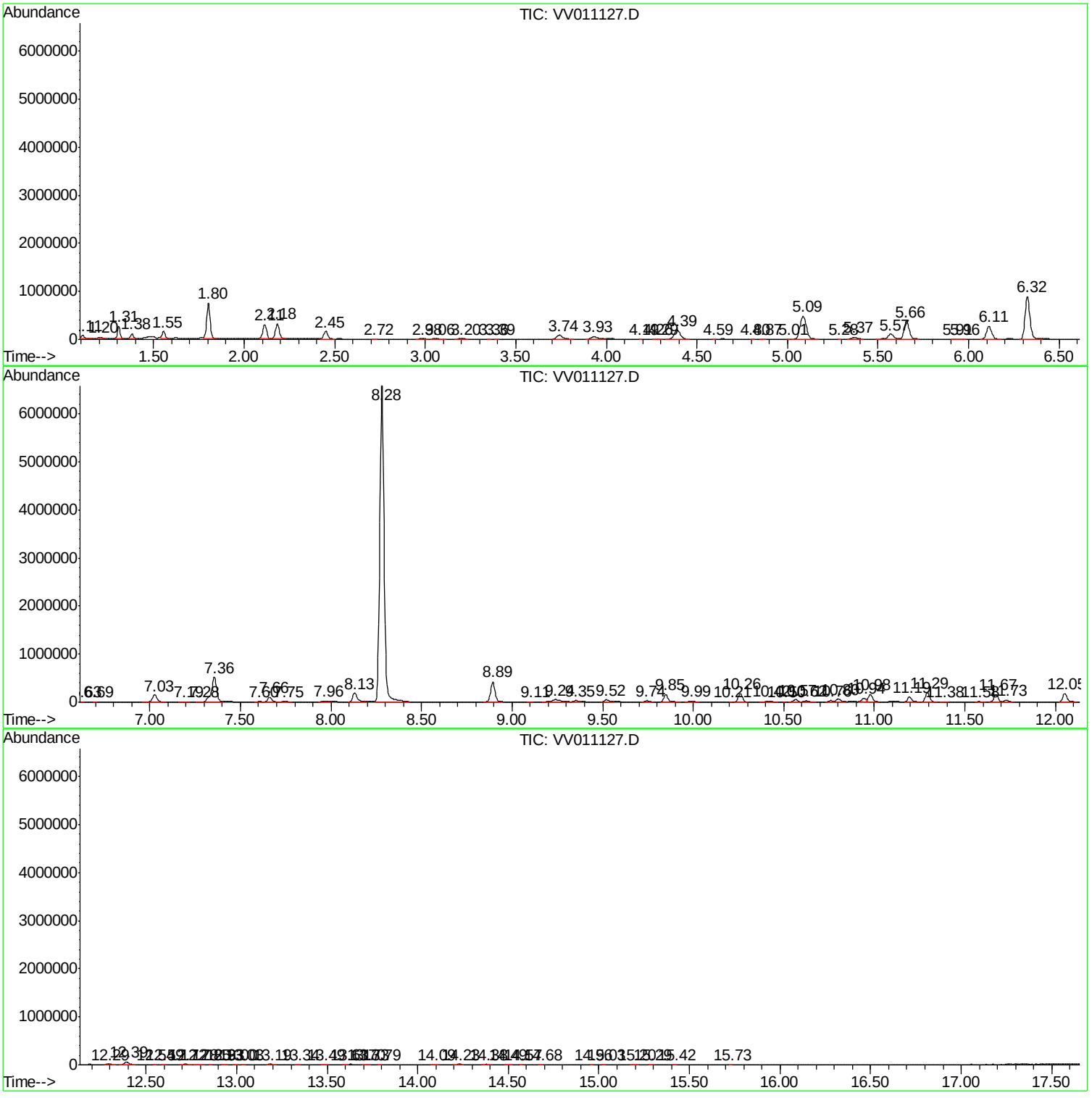
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F1

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\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

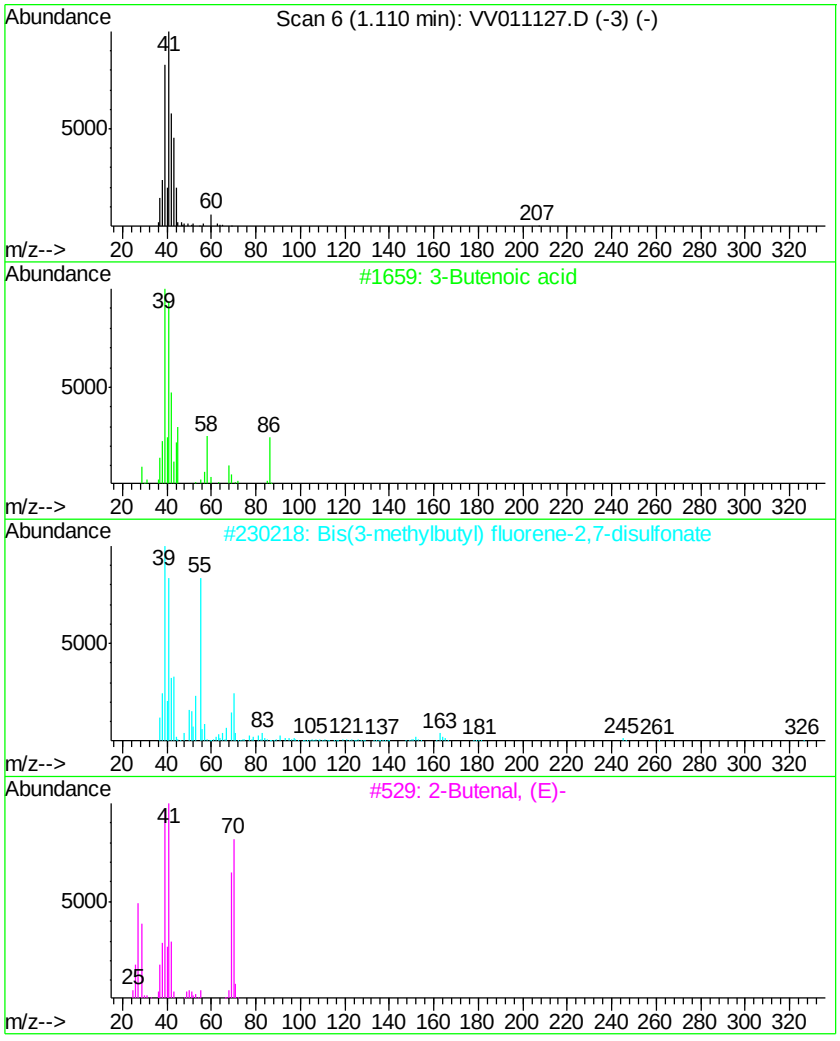
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

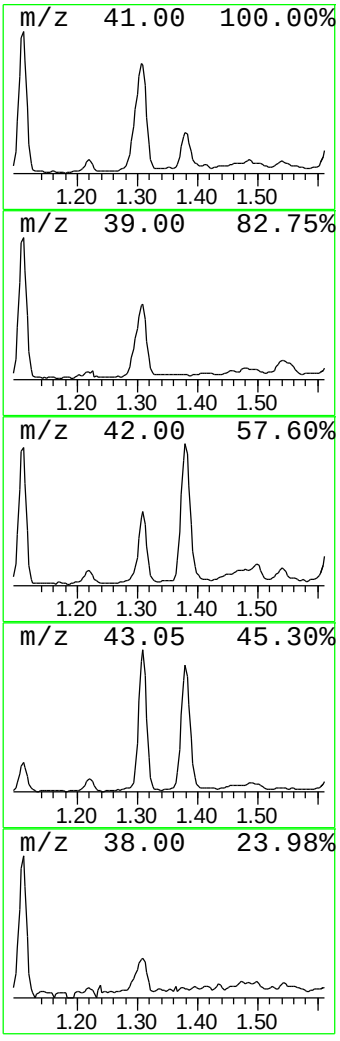
****

Peak Number 1 3-Butenoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.11	2.62 ug/L	77761	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	83
2	Bis(3-methylbutyl) fluorene-2,7-...	466	C23H30O6S2	253664-95-8	78
3	2-Butenal, (E)-	70	C4H6O	000123-73-9	78
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	64
5	Acetamide, 2-chloro-N,N-di-2-pro...	173	C8H12ClNO	000093-71-0	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

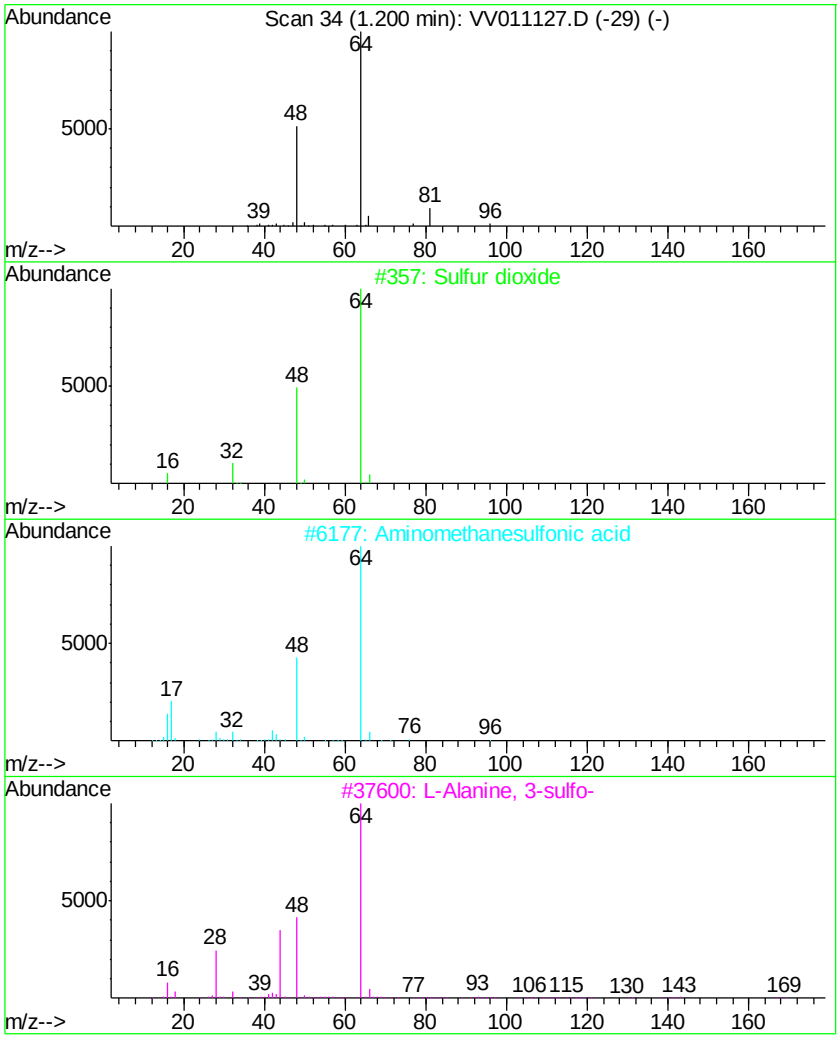
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

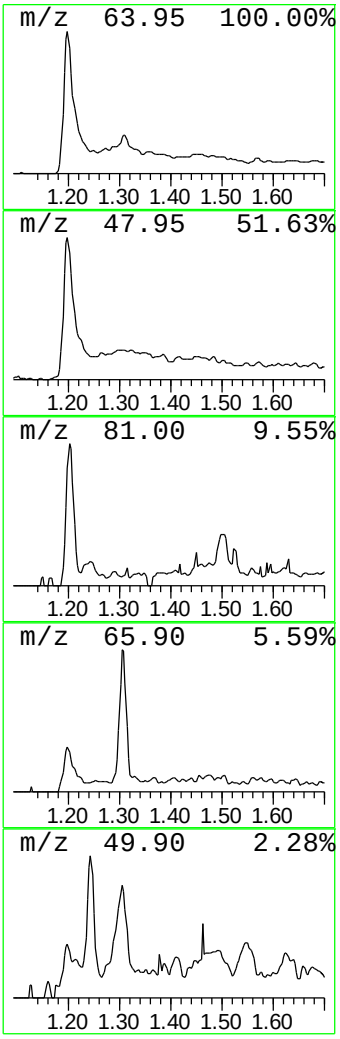
****

Peak Number 2 Sulfur dioxide Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	1.45 ug/L	43230	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	9
5	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

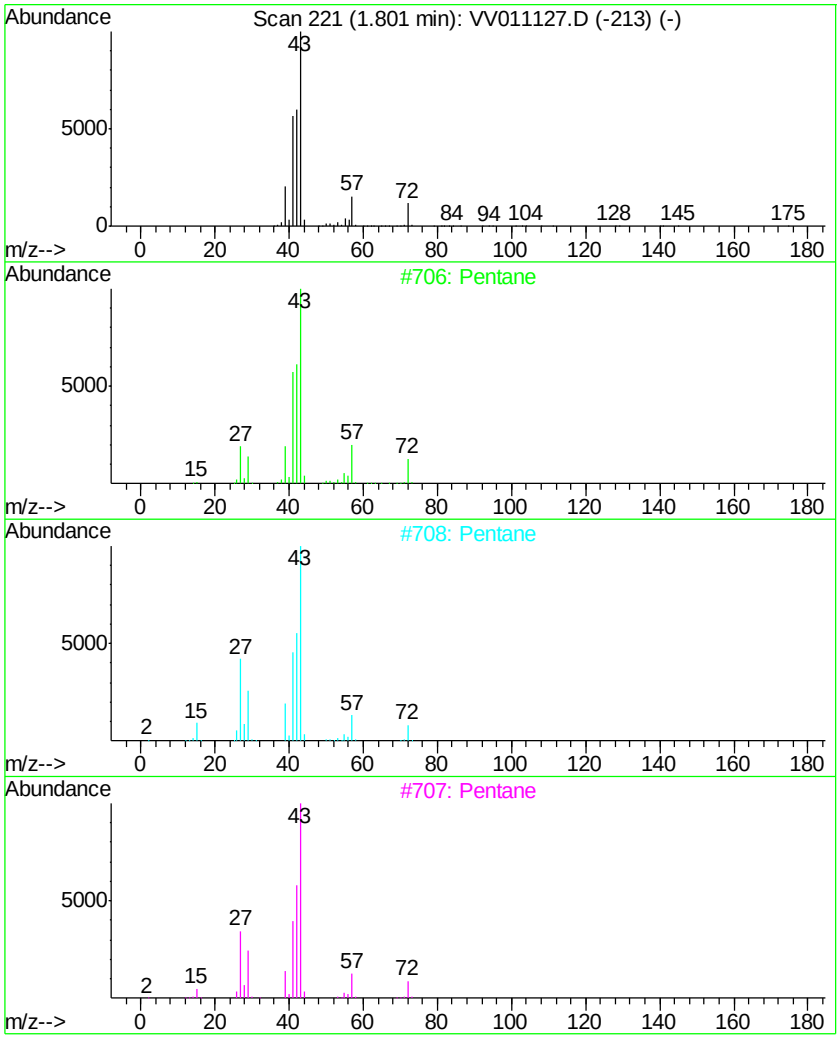
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

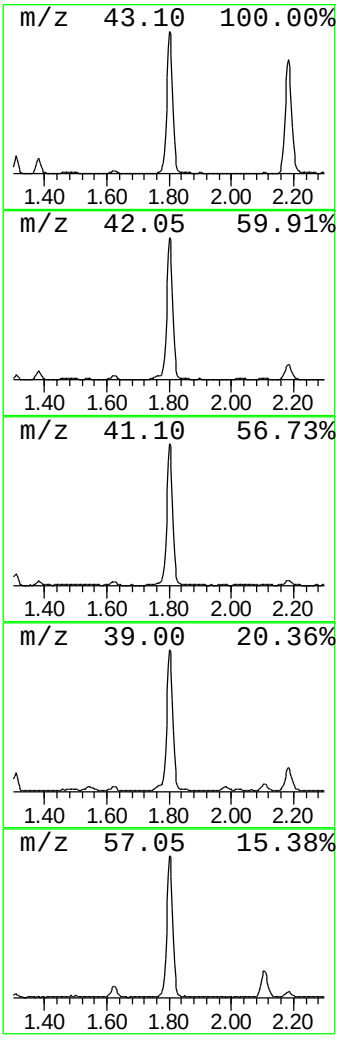
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.80	32.70 ug/L	972476	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	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

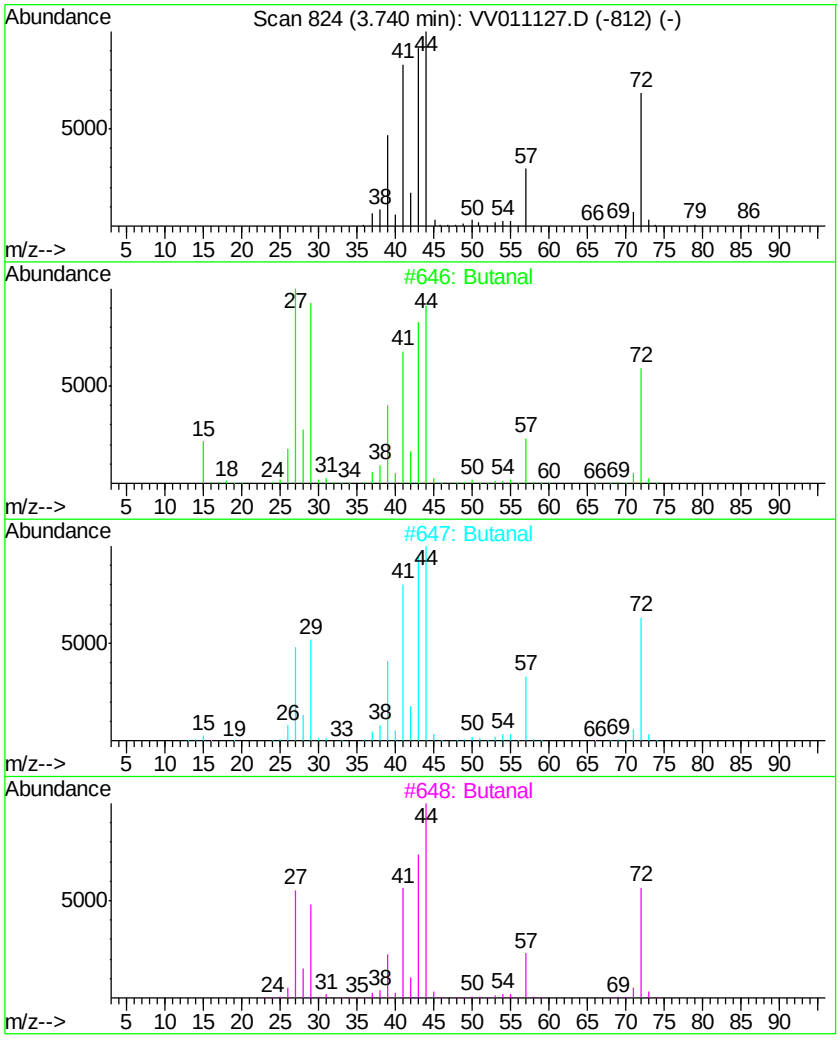
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

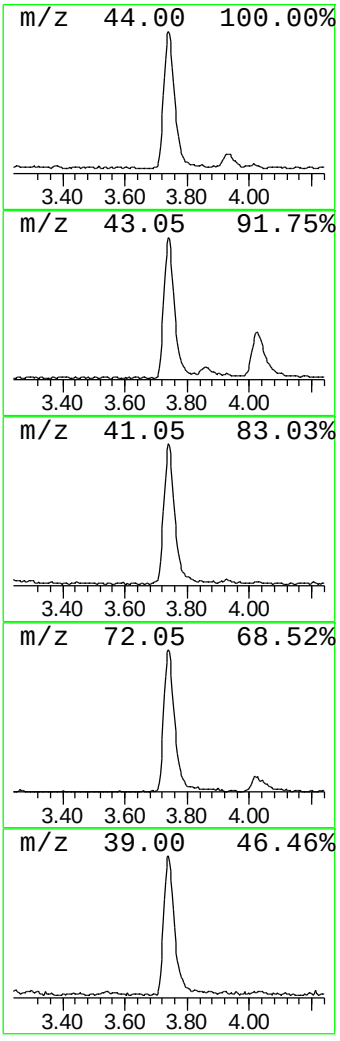
****

Peak Number 5 Butanal Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	6.96 ug/L	206898	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	91
2	Butanal	72	C4H8O	000123-72-8	81
3	Butanal	72	C4H8O	000123-72-8	64
4	Butanal	72	C4H8O	000123-72-8	64
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

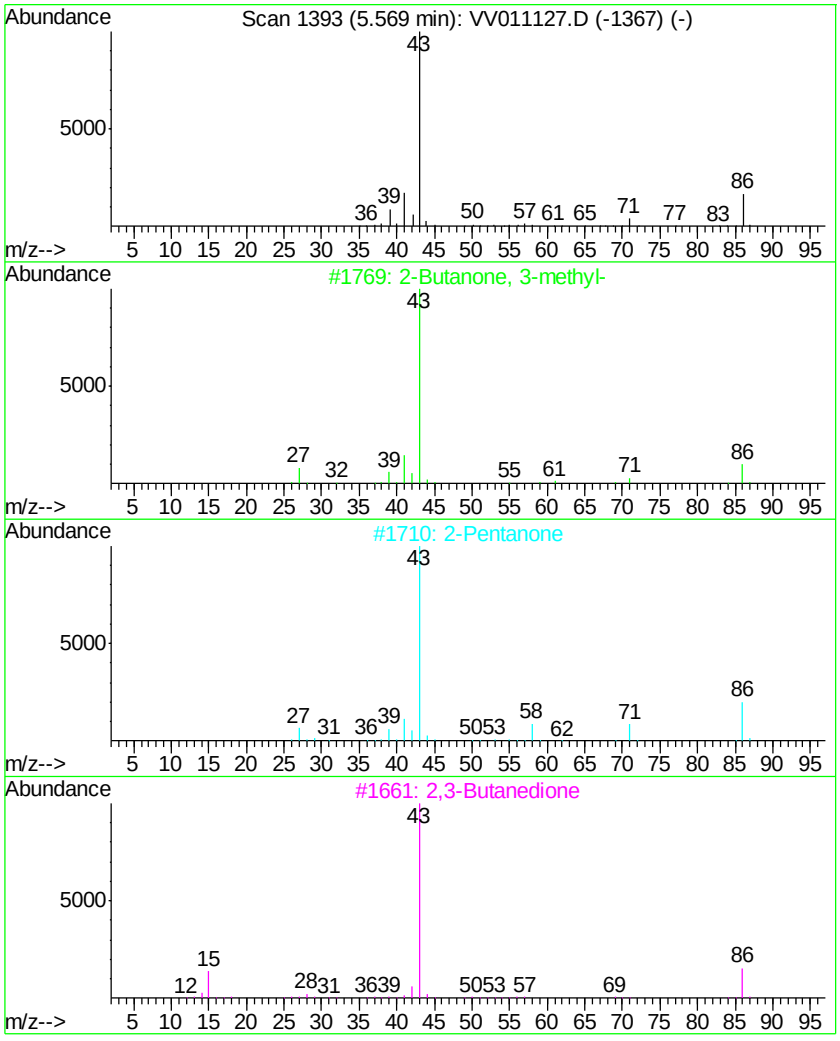
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

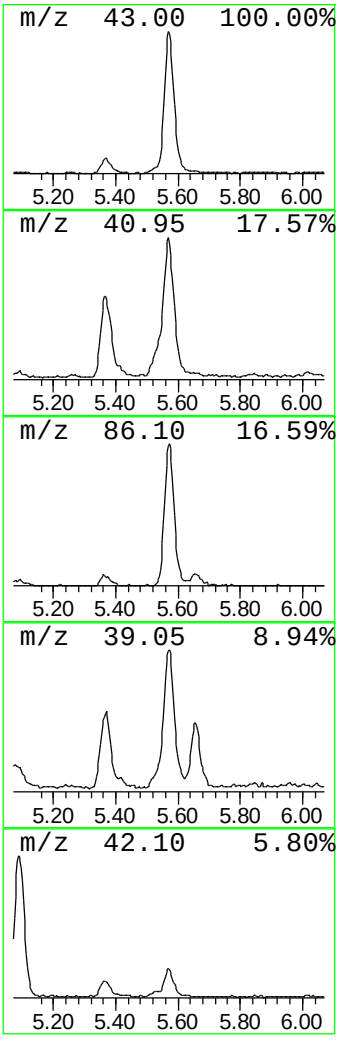
****

Peak Number 7 2-Butanone, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.57	8.93 ug/L	265655	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	72
2	2-Pentanone	86	C5H10O	000107-87-9	53
3	2,3-Butanedione	86	C4H6O2	000431-03-8	53
4	2,3-Butanedione	86	C4H6O2	000431-03-8	47
5	2-Pentanone	86	C5H10O	000107-87-9	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

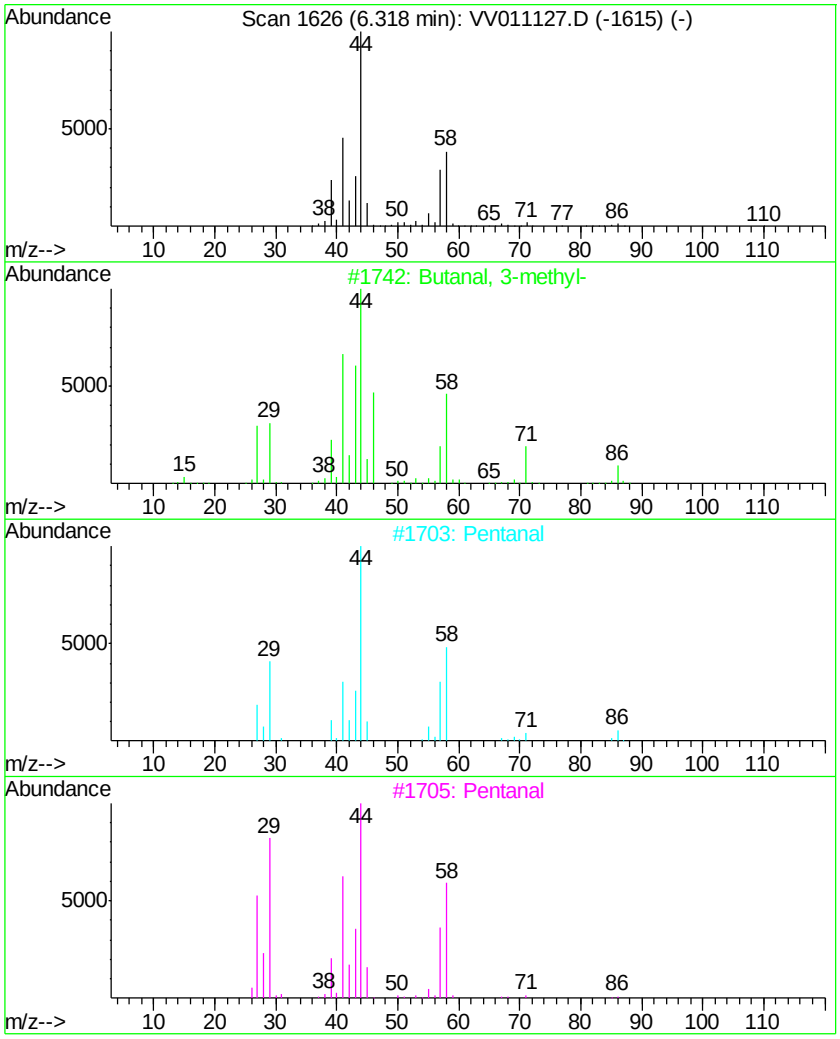
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

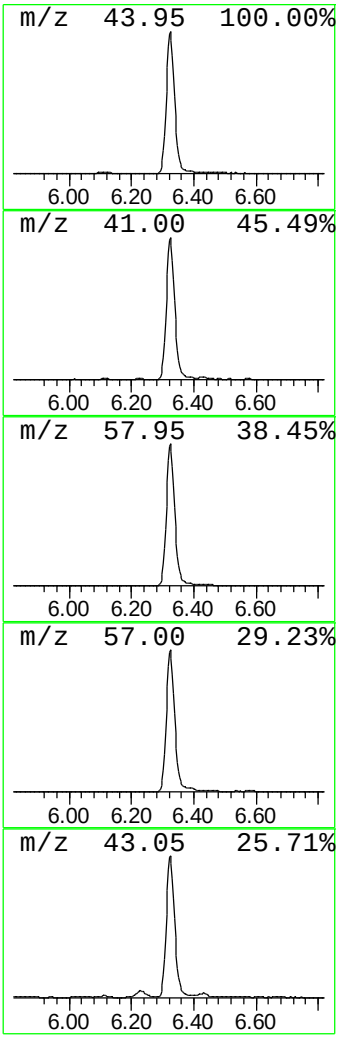
****

Peak Number 8 Butanal, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	56.31 ug/L	1674580	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
2	Pentanal	86	C5H10O	000110-62-3	64
3	Pentanal	86	C5H10O	000110-62-3	58
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	50
5	Pentanal	86	C5H10O	000110-62-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

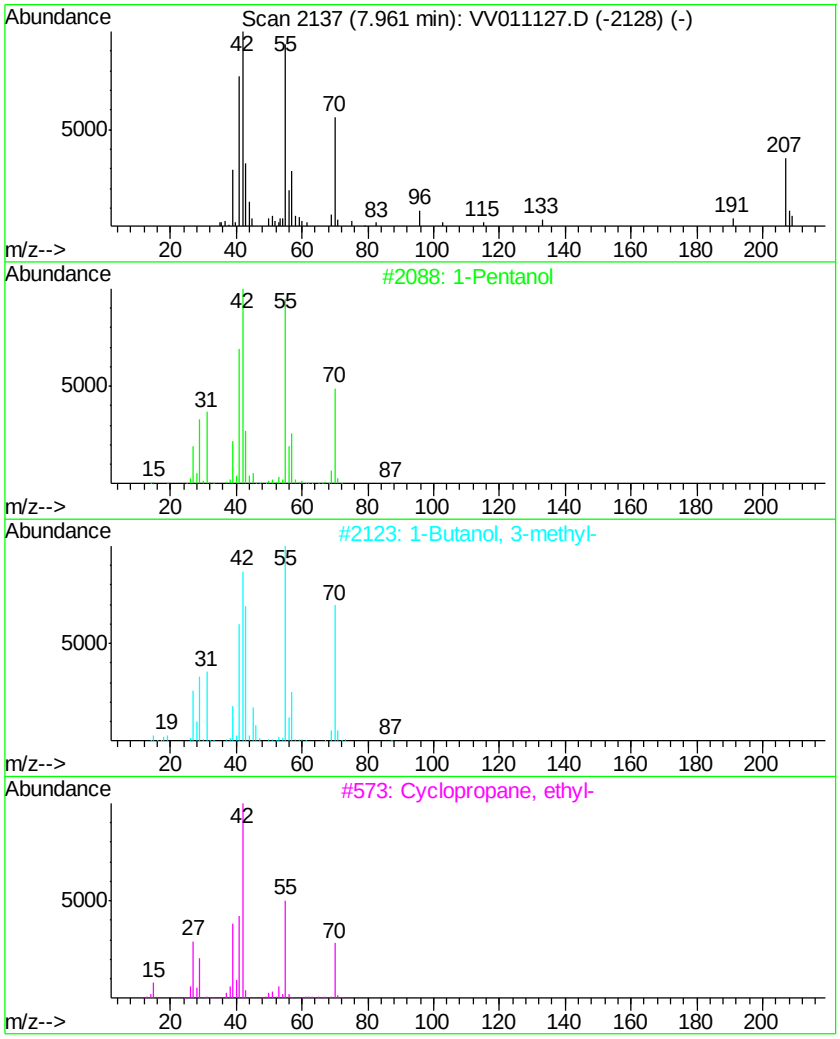
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

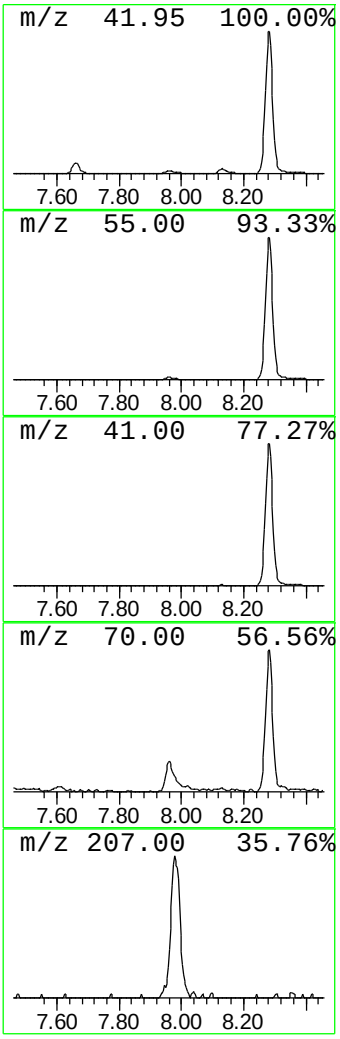
****

Peak Number 10 1-Pentanol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	1.98 ug/L	55444	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol	88	C5H12O	000071-41-0	59
2	1-Butanol, 3-methyl-	88	C5H12O	000123-51-3	53
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53
4	Pentane, 1-chloro-	106	C5H11Cl	000543-59-9	53
5	1-Pentene	70	C5H10	000109-67-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

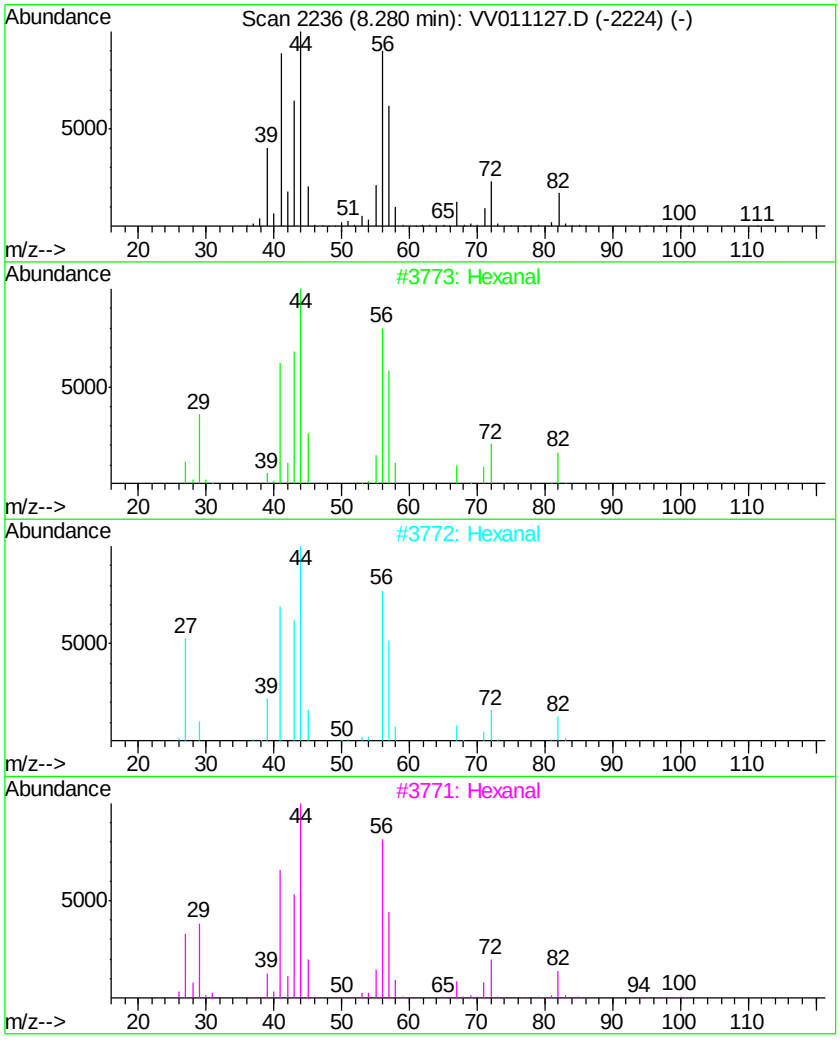
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

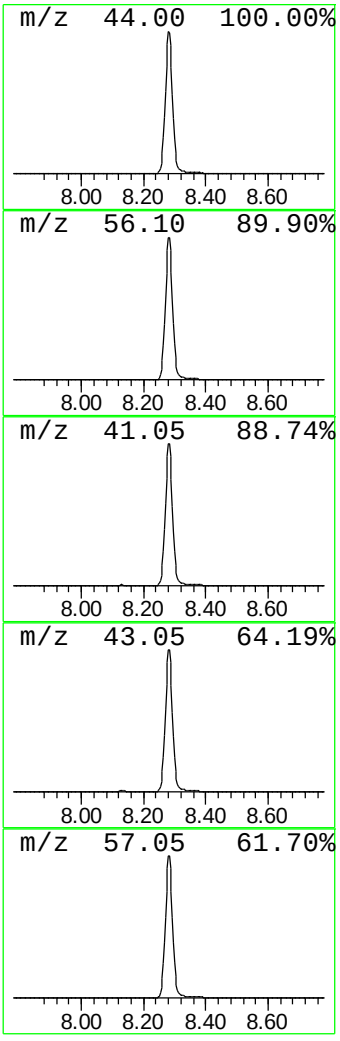
****

Peak Number 11 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	387.41 ug/L	10848900	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	Glutaraldehyde	100	C5H8O2	000111-30-8	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

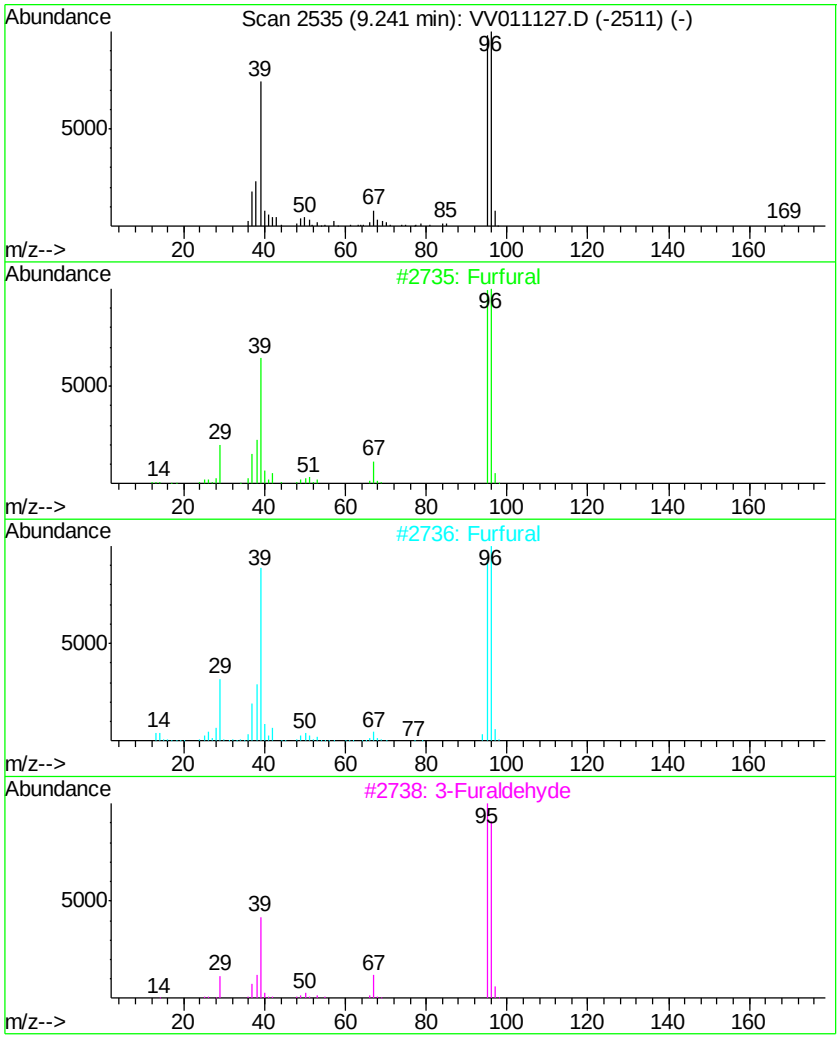
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

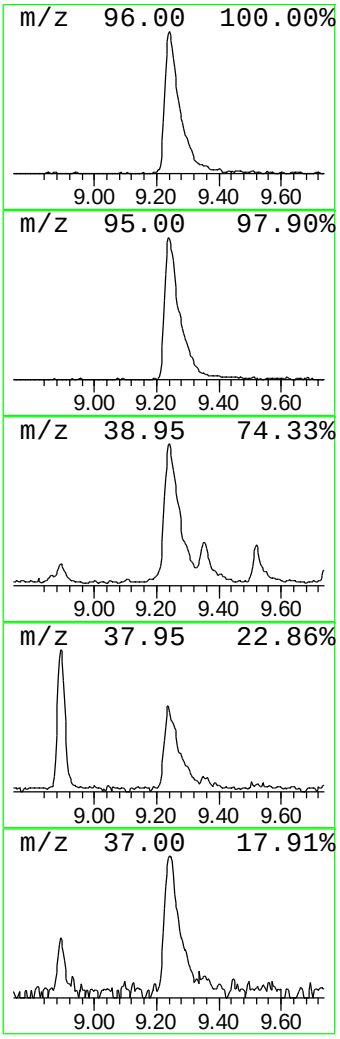
****

Peak Number 12 Furfural Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	6.34 ug/L	177684	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	94
2	Furfural	96	C5H4O2	000098-01-1	94
3	3-Furaldehyde	96	C5H4O2	000498-60-2	91
4	1H-Imidazole, 1,4-dimethyl-	96	C5H8N2	006338-45-0	86
5	Furfural	96	C5H4O2	000098-01-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

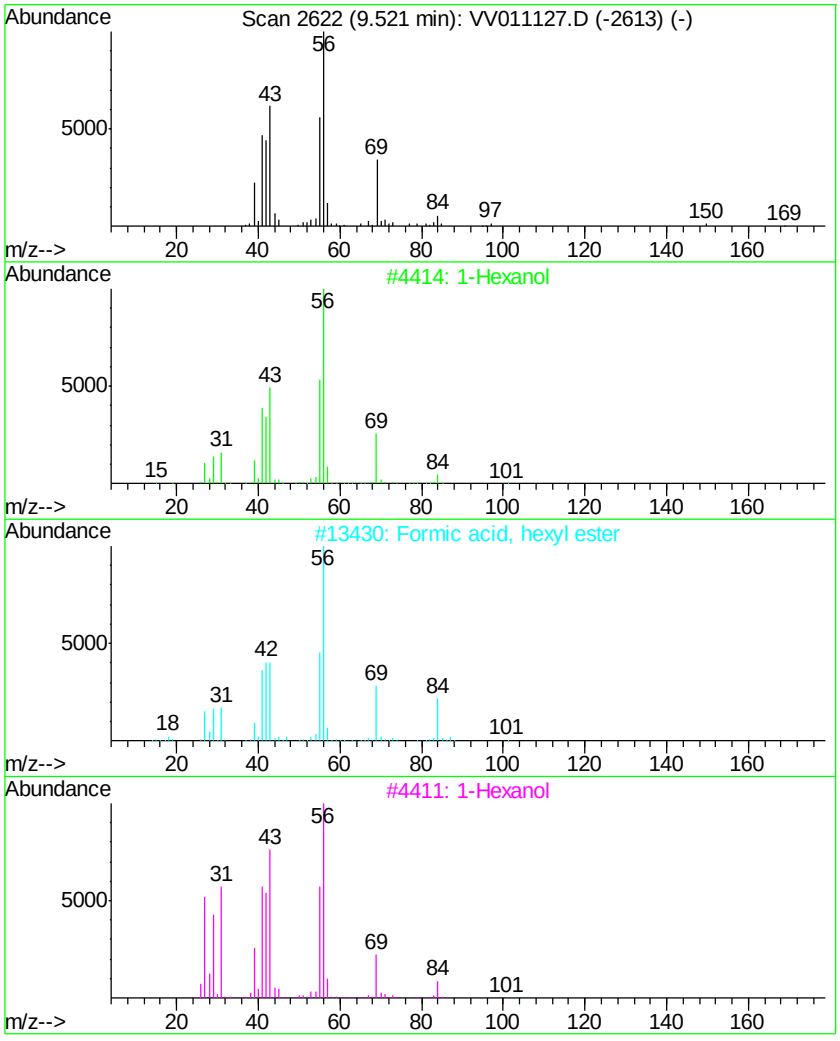
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

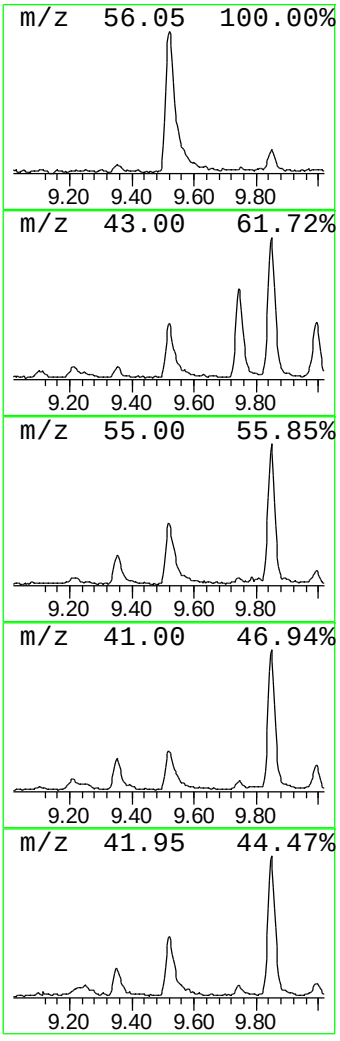
****

Peak Number 13 1-Hexanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	3.23 ug/L	90363	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	78
2	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	78
3	1-Hexanol	102	C6H14O	000111-27-3	78
4	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	78
5	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

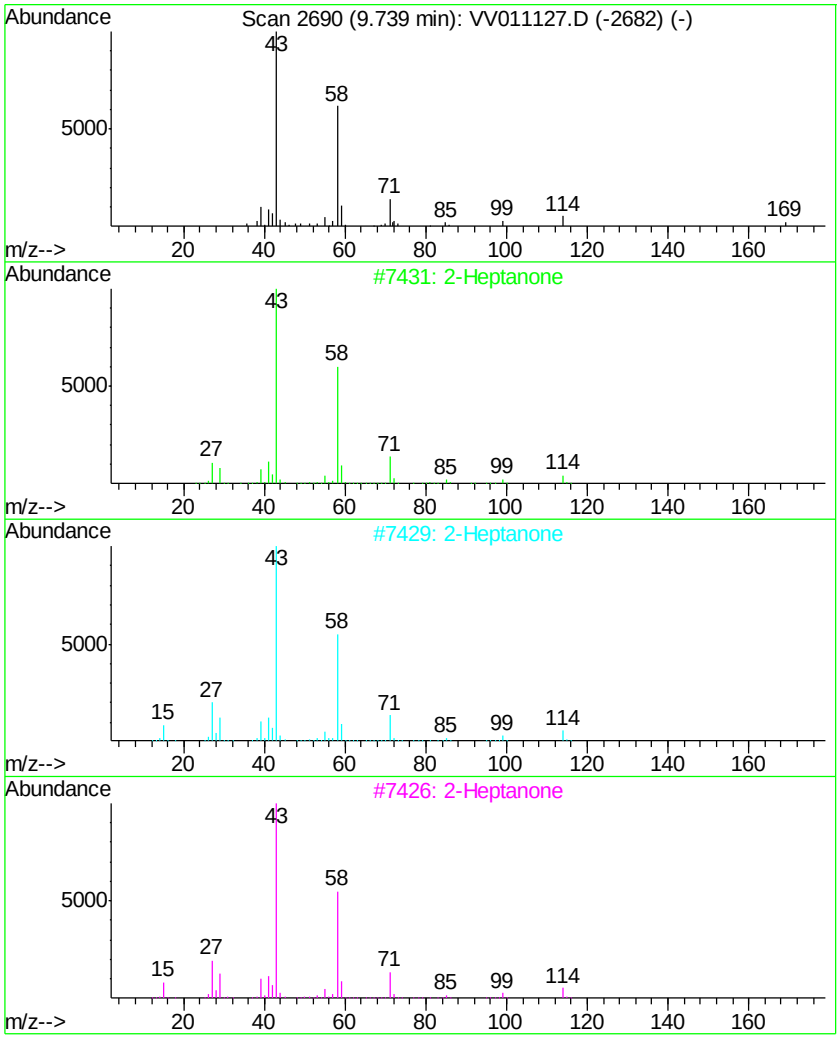
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

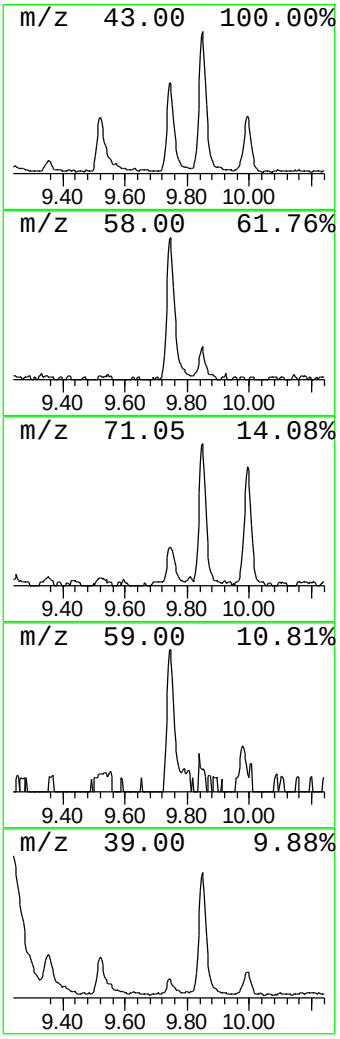
****

Peak Number 14 2-Heptanone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	1.58 ug/L	44118	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	90
2	2-Heptanone	114	C7H14O	000110-43-0	90
3	2-Heptanone	114	C7H14O	000110-43-0	90
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	86
5	2-Heptanone	114	C7H14O	000110-43-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

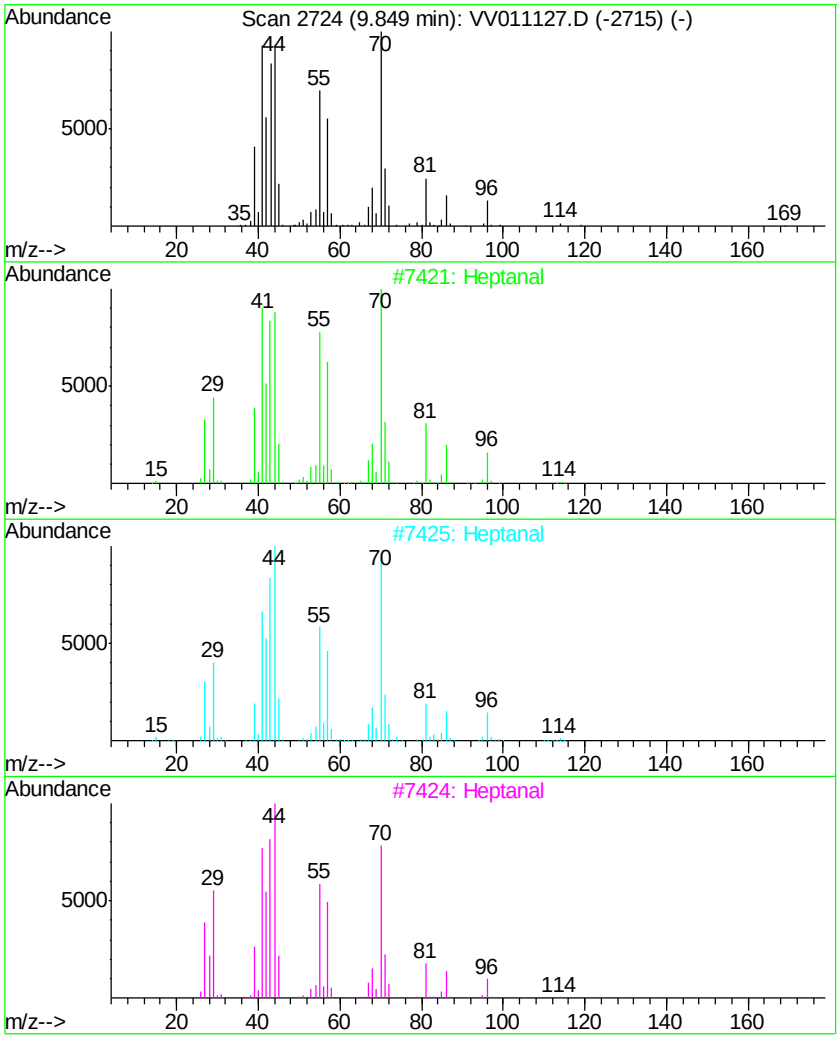
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

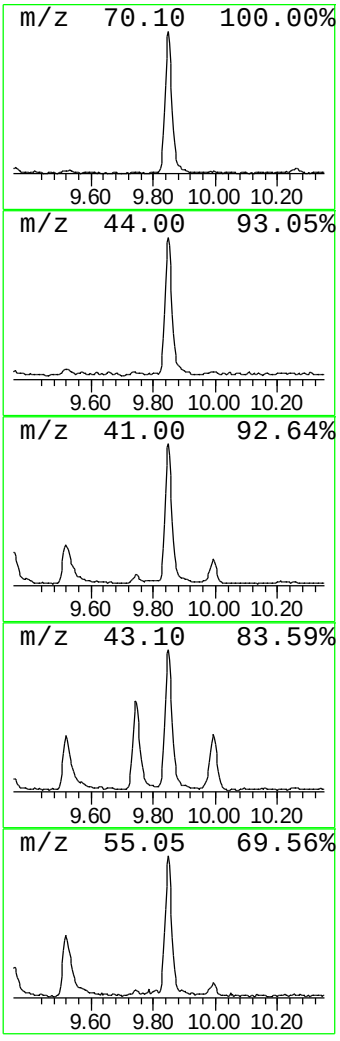
****

Peak Number 15 Heptanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	9.12 ug/L	255460	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	98
2	Heptanal	114	C7H14O	000111-71-7	93
3	Heptanal	114	C7H14O	000111-71-7	83
4	Heptanal	114	C7H14O	000111-71-7	38
5	Heptanal	114	C7H14O	000111-71-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

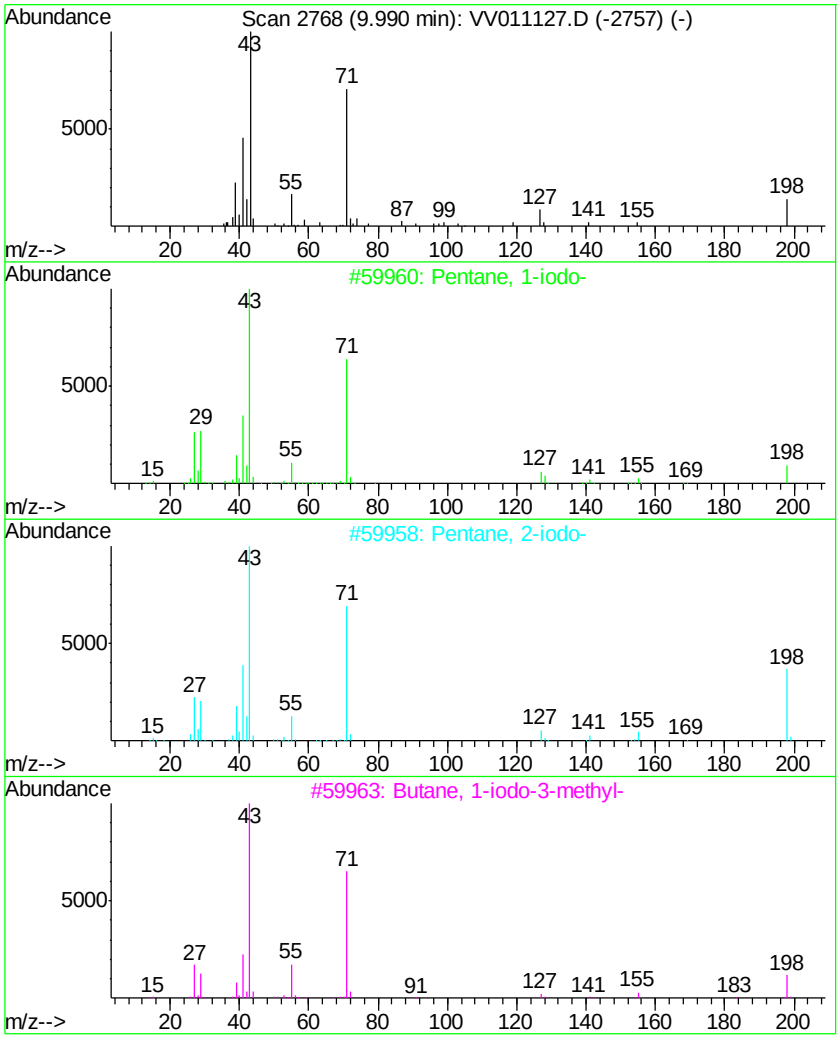
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

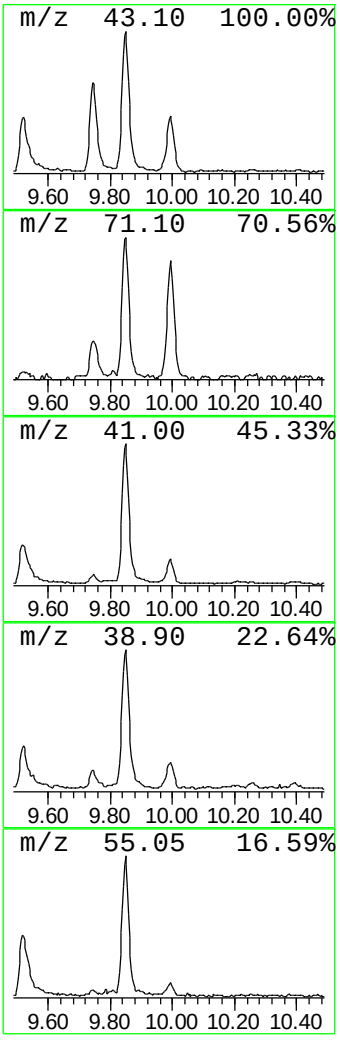
****

Peak Number 16 Pentane, 1-iodo- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	1.43 ug/L	40120	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 1-iodo-	198	C5H11I	000628-17-1	91
2	Pentane, 2-iodo-	198	C5H11I	000637-97-8	90
3	Butane, 1-iodo-3-methyl-	198	C5H11I	000541-28-6	80
4	Pentane, 1-iodo-	198	C5H11I	000628-17-1	78
5	Butane, 1-iodo-3-methyl-	198	C5H11I	000541-28-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

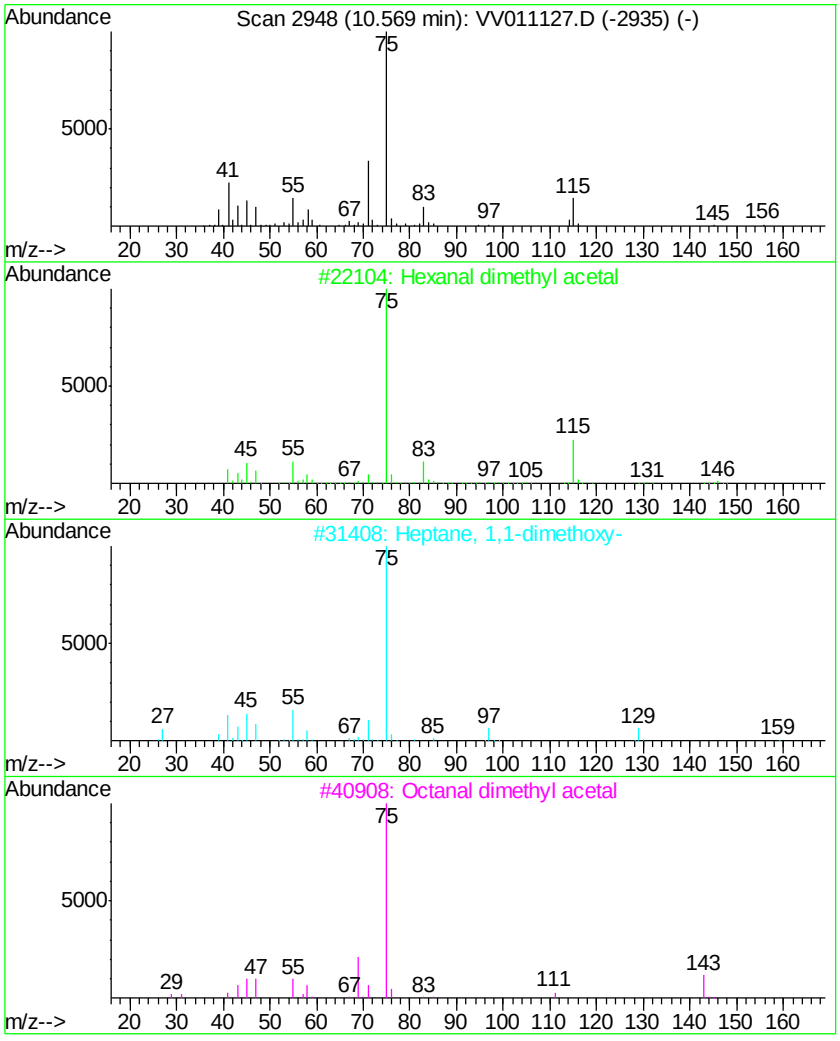
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

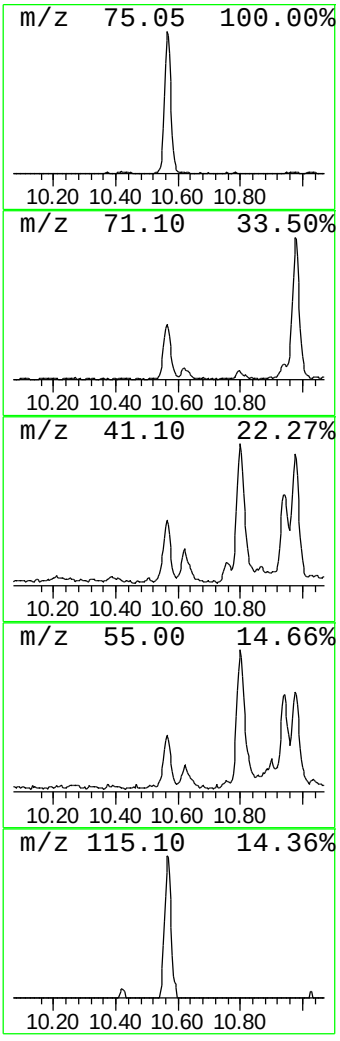
****

Peak Number 18 Hexanal dimethyl acetal Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	6.42 ug/L	80901	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal dimethyl acetal	146	C8H18O2	001599-47-9	64
2	Heptane, 1,1-dimethoxy-	160	C9H20O2	010032-05-0	53
3	Octanal dimethyl acetal	174	C10H22O2	010022-28-3	50
4	3-Bromopropionaldehyde dimethyl ...	182	C5H11BrO2	036255-44-4	38
5	Formamide, N-methylthio	75	C2H5NS	018952-41-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

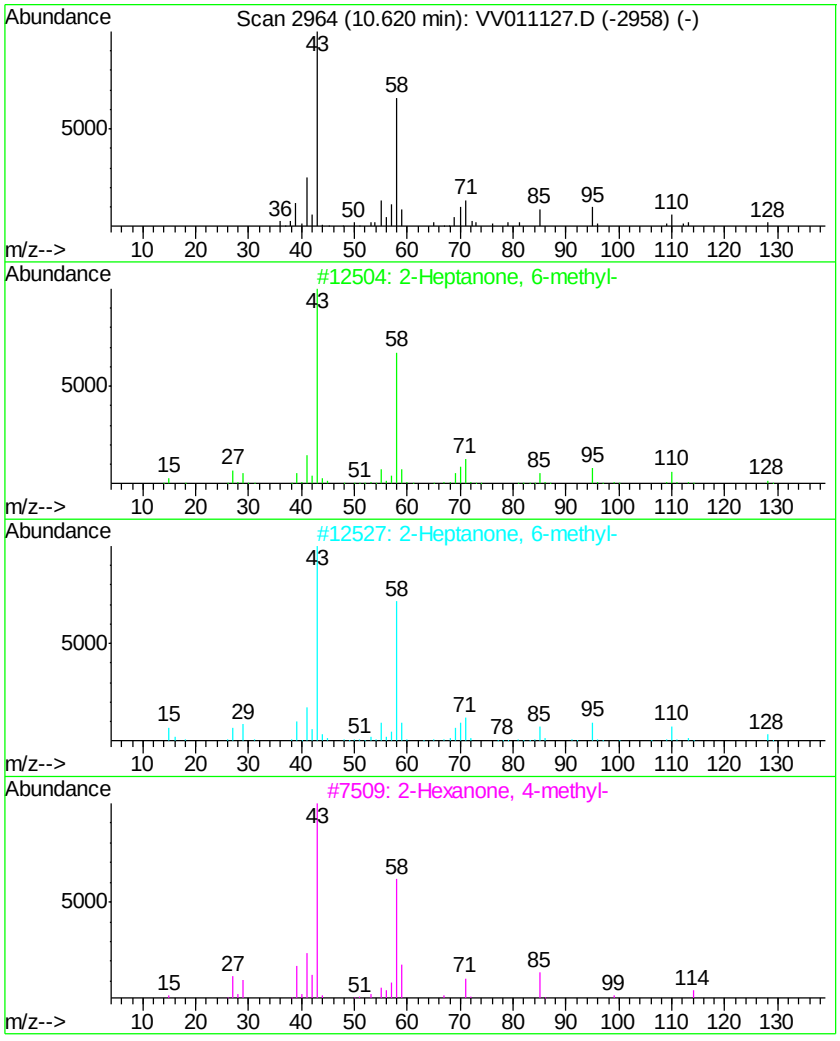
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

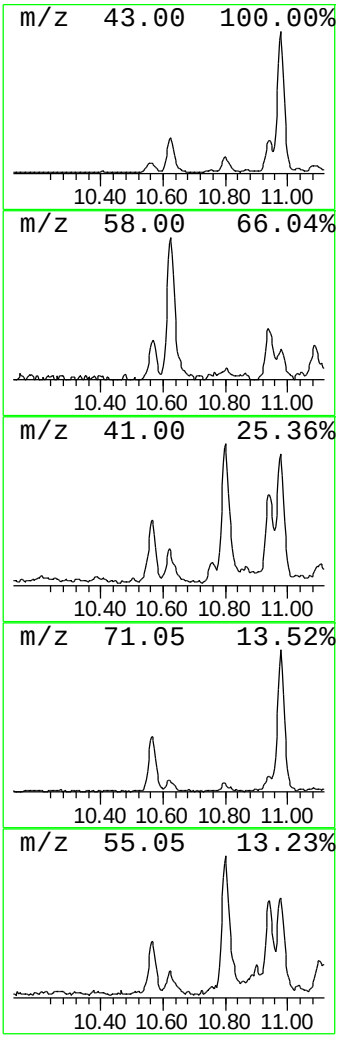
****

Peak Number 19 2-Heptanone, 6-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	3.78 ug/L	47729	1,4-Dichlorobenzene-d4	11.29

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	64
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	53
4	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	52
5	2-Hexanone	100	C6H12O	000591-78-6	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

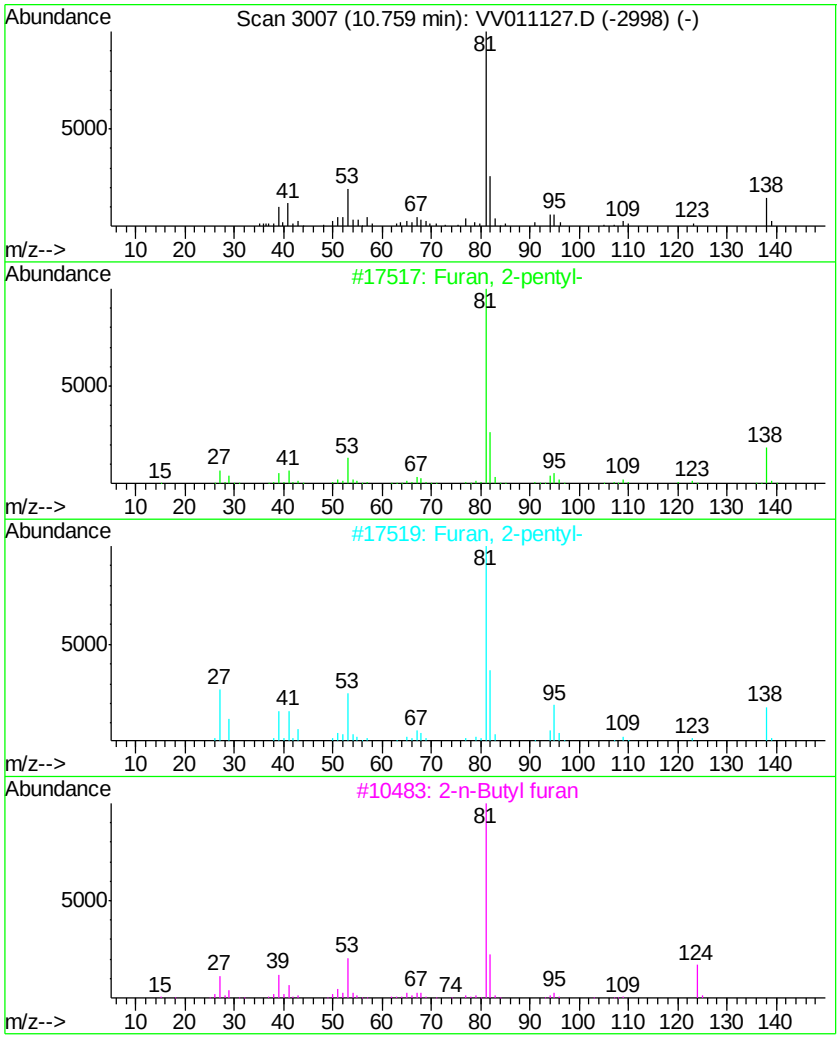
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

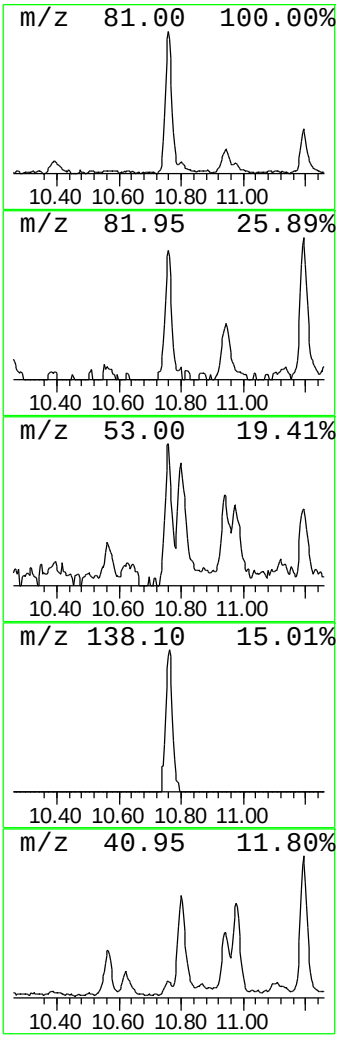
****

Peak Number 20 Furan, 2-pentyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.36 ug/L	42357	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-pentyl-	138	C9H14O	003777-69-3	87
2	Furan, 2-pentyl-	138	C9H14O	003777-69-3	87
3	2-n-Butyl furan	124	C8H12O	004466-24-4	64
4	Cyclobutane, 1,1-dimethyl-3-meth...	96	C7H12	019037-73-1	53
5	Furan, 2-propyl-	110	C7H10O	004229-91-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

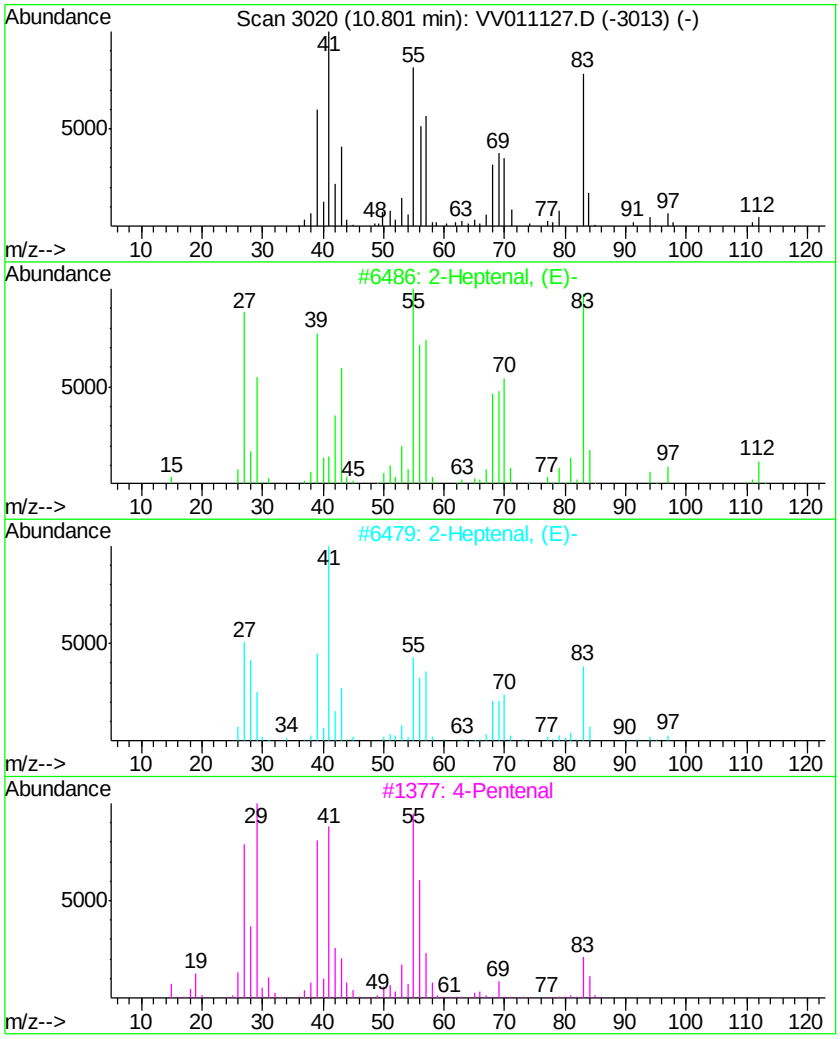
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

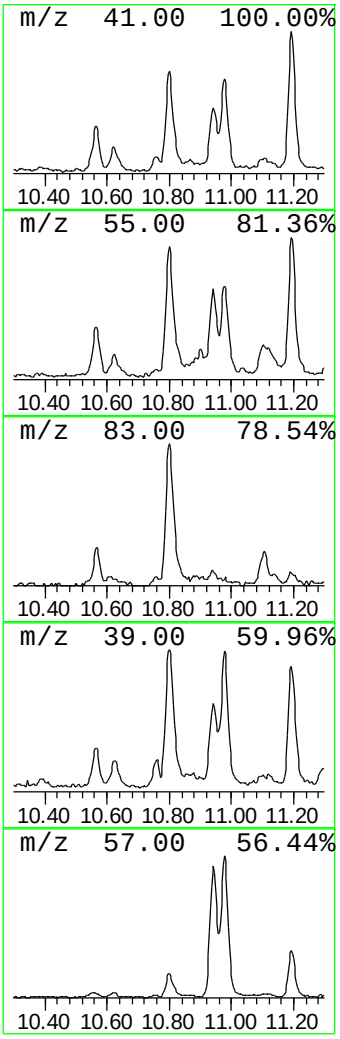
****

Peak Number 21 2-Heptenal, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	8.46 ug/L	106741	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	90
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	59
3	4-Pentenal	84	C5H8O	002100-17-6	49
4	6-Oxabicyclo[3.1.0]hexane	84	C5H8O	000285-67-6	47
5	4-Pentenal	84	C5H8O	002100-17-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

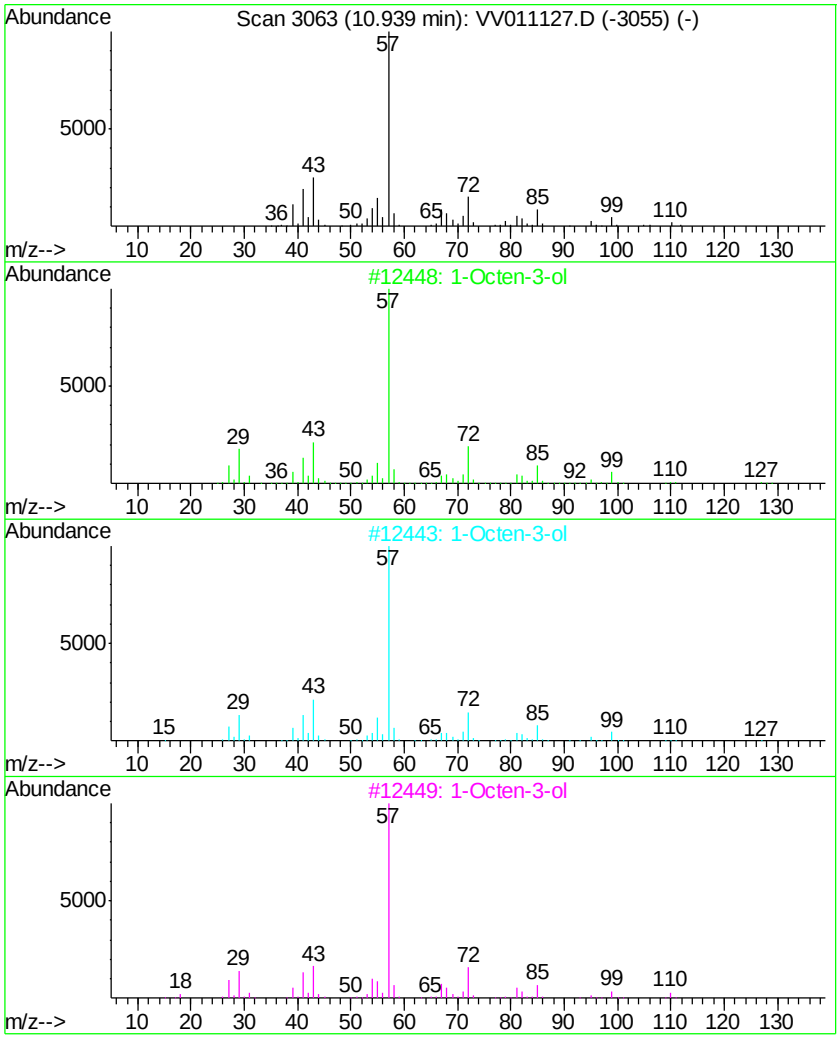
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

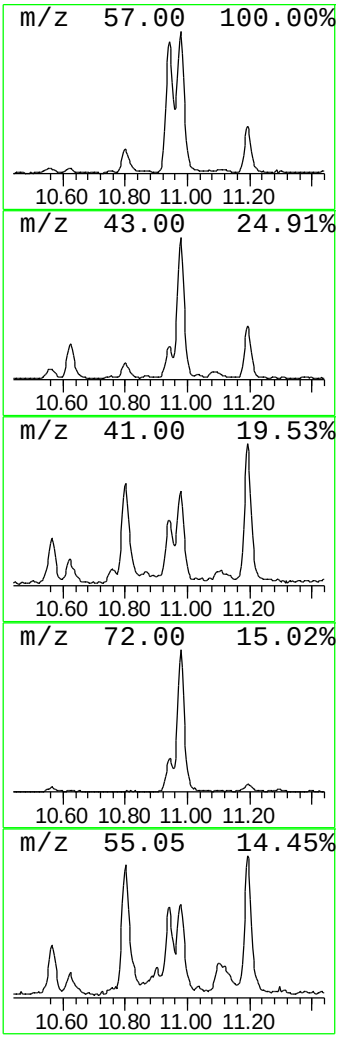
****

Peak Number 22 1-Octen-3-ol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	9.77 ug/L	123190	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octen-3-ol	128	C8H16O	003391-86-4	72
2	1-Octen-3-ol	128	C8H16O	003391-86-4	64
3	1-Octen-3-ol	128	C8H16O	003391-86-4	59
4	1-Nonen-3-ol	142	C9H18O	021964-44-3	53
5	1-Hexen-3-ol	100	C6H12O	004798-44-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

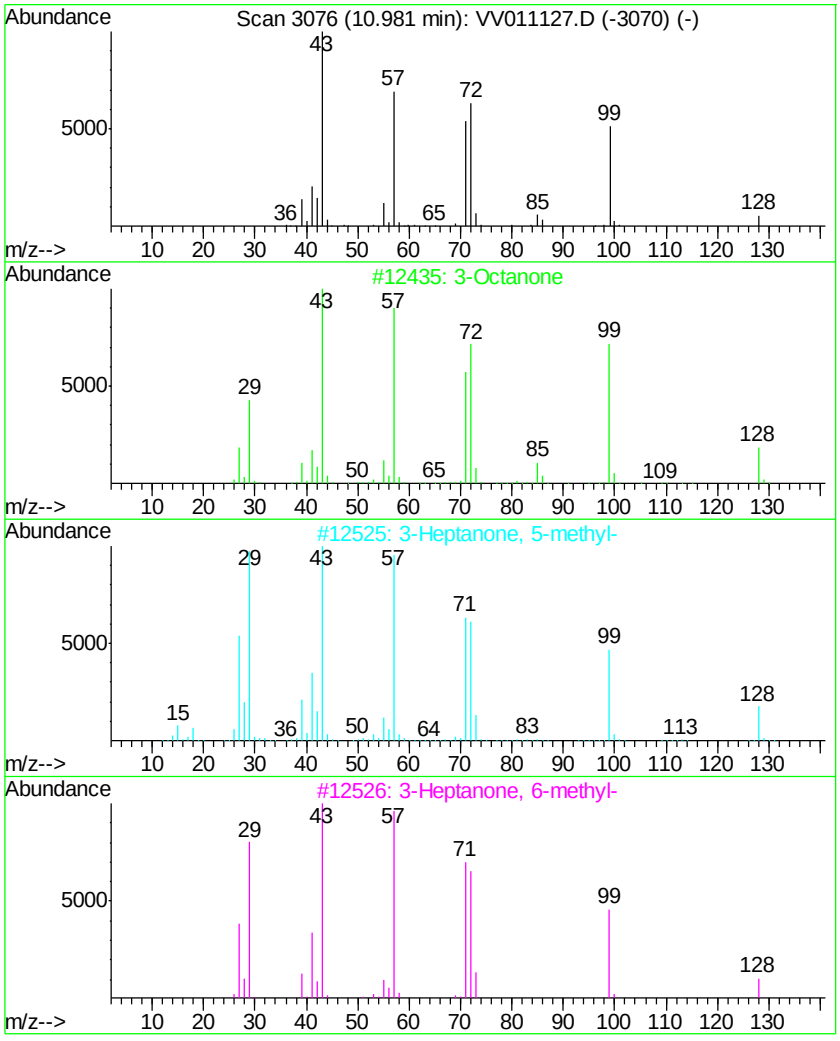
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

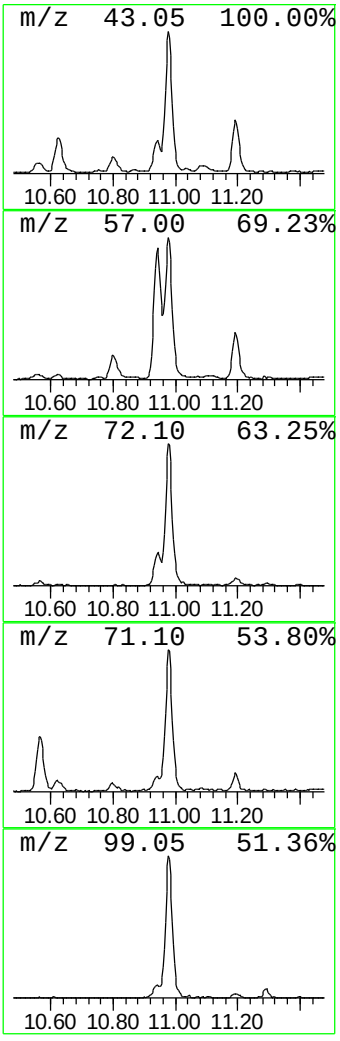
****

Peak Number 23 3-Octanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	17.64 ug/L	222393	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	91
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	56
3	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	50
4	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	47
5	n-Caproic acid vinyl ester	142	C8H14O2	003050-69-9	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

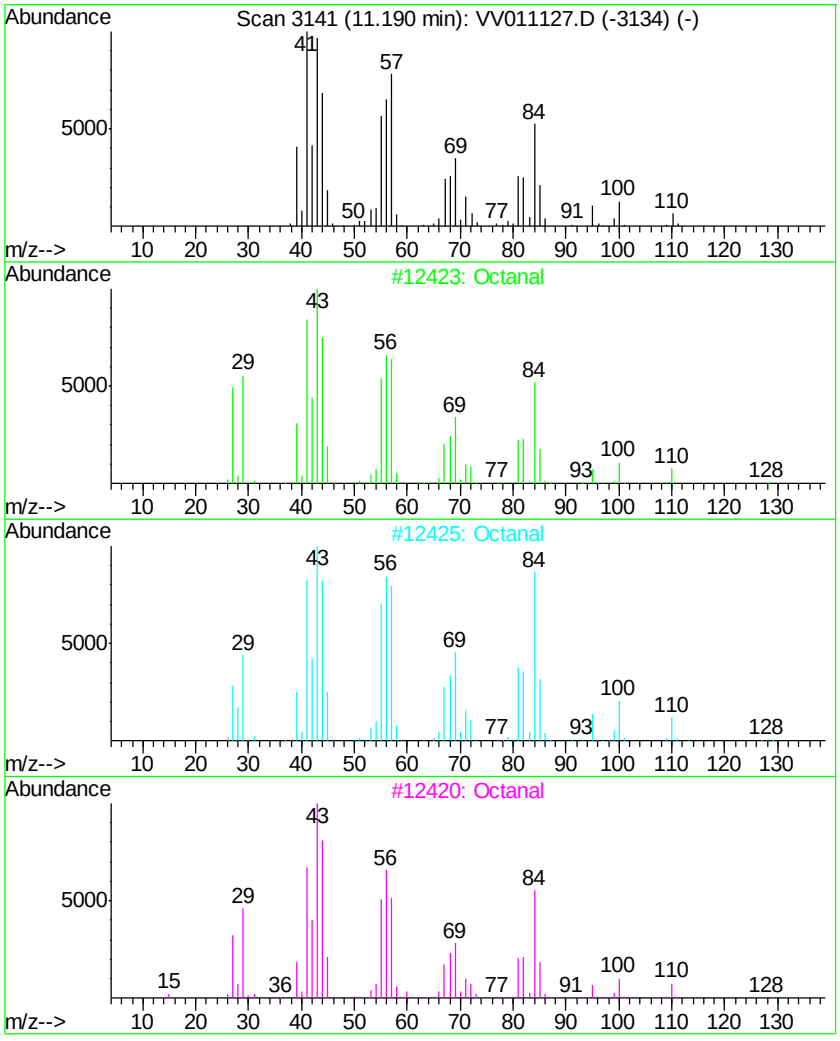
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

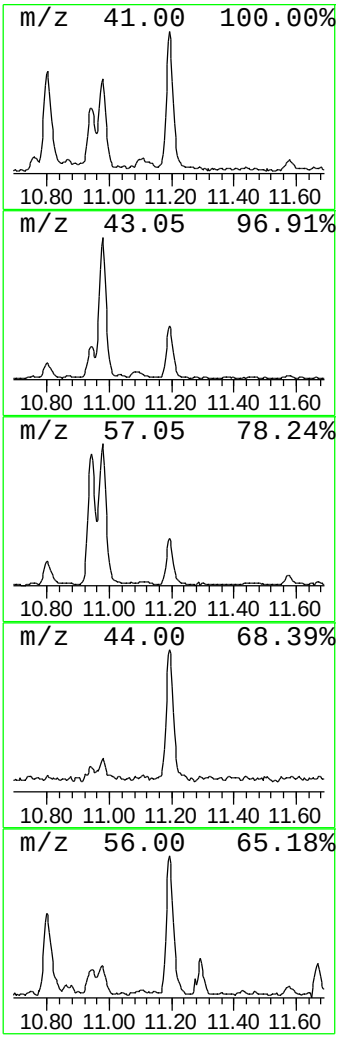
****

Peak Number 24 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	13.06 ug/L	164685	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	91
3	Octanal	128	C8H16O	000124-13-0	87
4	Octanal	128	C8H16O	000124-13-0	72
5	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

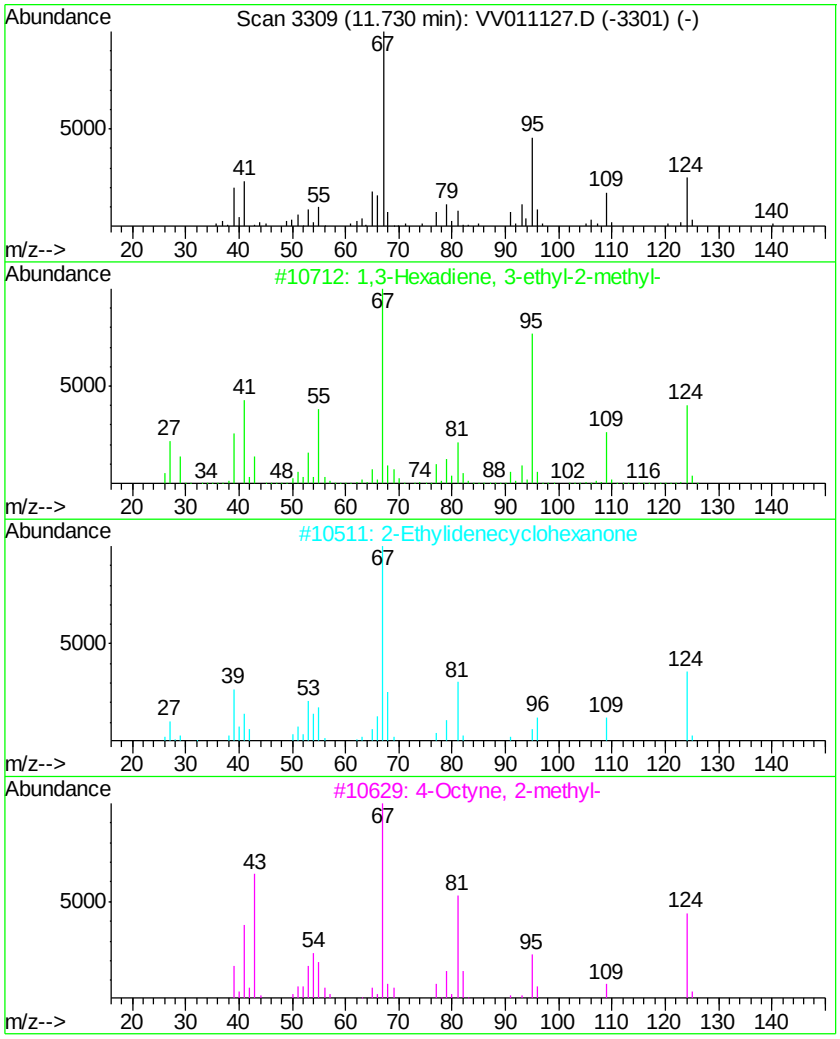
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

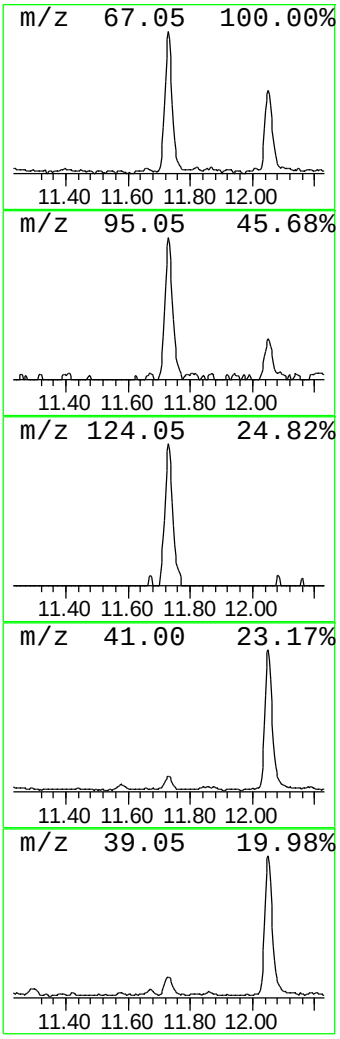
****

Peak Number 25 1,3-Hexadiene, 3-ethyl-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.36 ug/L	54918	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexadiene, 3-ethyl-2-methyl-	124	C9H16	061142-36-7	64
2	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	64
3	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	53
4	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	50
5	3-Decyne	138	C10H18	002384-85-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

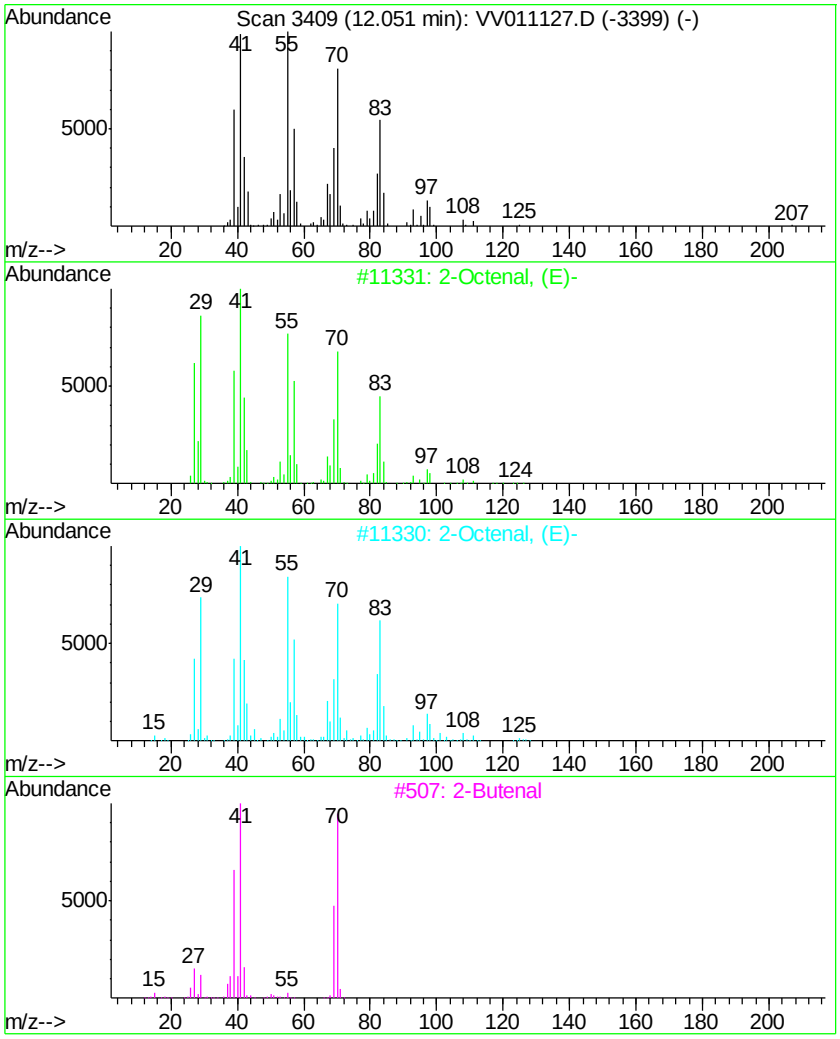
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

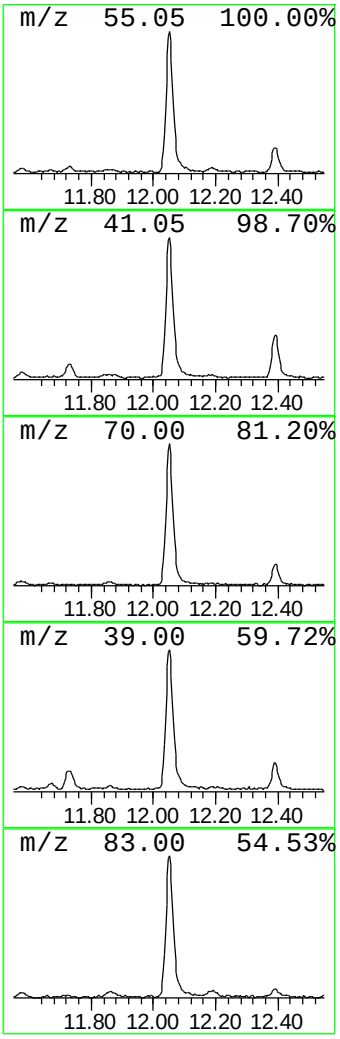
****

Peak Number 26 2-Octenal, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	23.02 ug/L	290306	1,4-Dichlorobenzene-d4	11.29

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-Butenal	70	C4H6O	004170-30-3	38
4	Methacrolein	70	C4H6O	000078-85-3	38
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

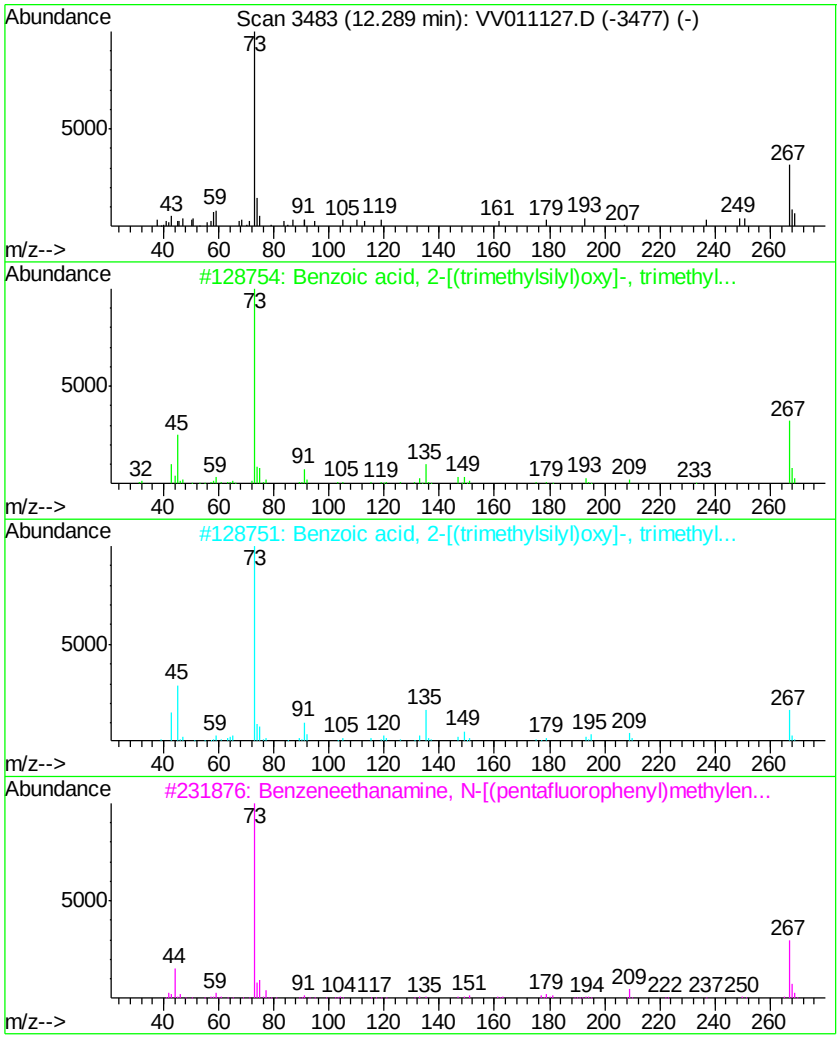
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

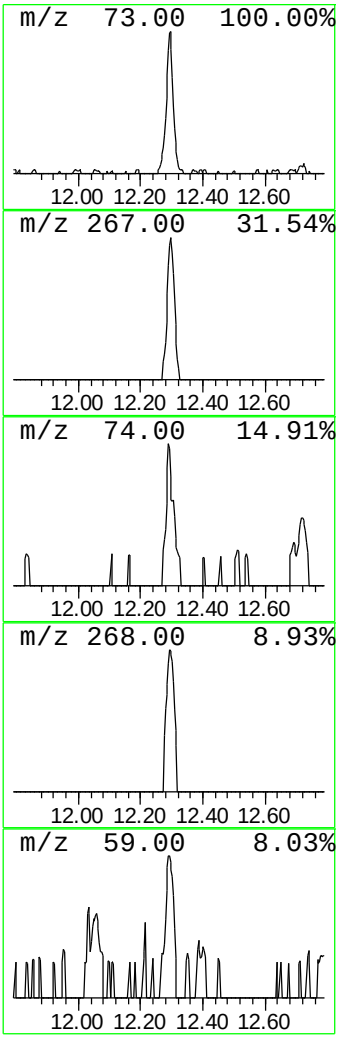
****

Peak Number 27 Benzoic acid, 2-[(trimethyl... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	1.40 ug/L	17681	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	64
2	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	50
3	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	45
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	40
5	Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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

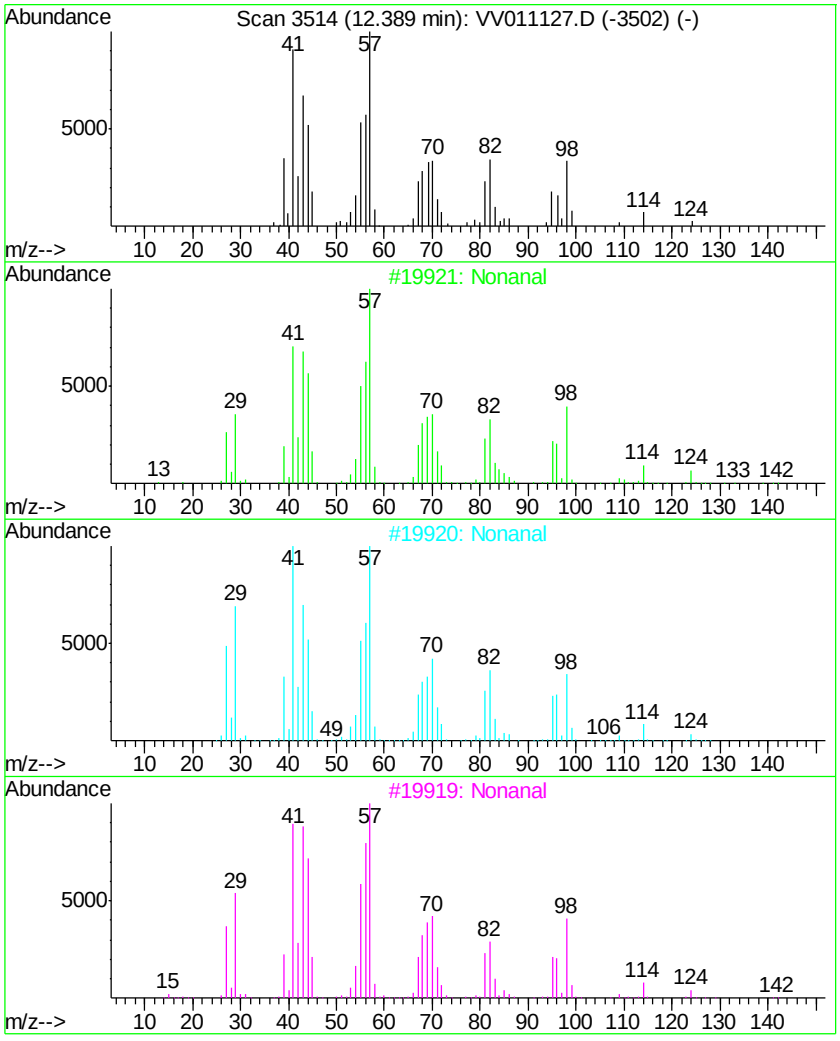
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

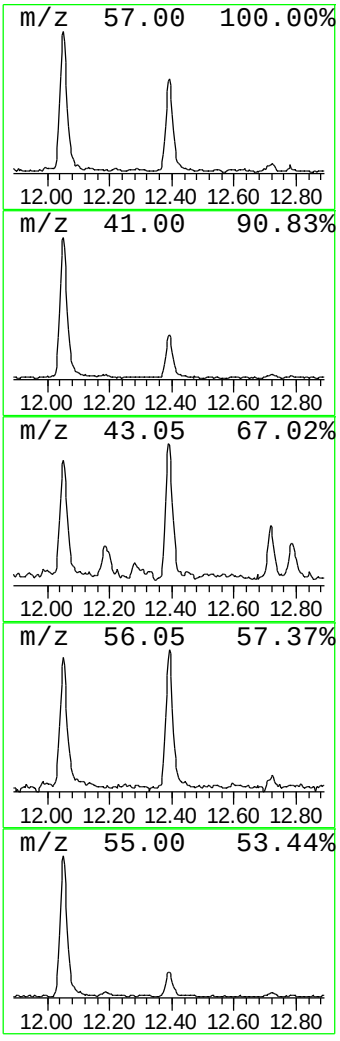
****

Peak Number 28 Nonanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	8.14 ug/L	102614	1,4-Dichlorobenzene-d4	11.29

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	90
4	Nonanal	142	C9H18O	000124-19-6	80
5	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011127.D
Acq On : 30 May 2019 02:34
Operator : SY/MD
Sample : K3017-20
Misc : 3.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1

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
3-Butenoic acid	1.11	2.6	ug/L	77761	1	5.66	743400	25.0
Sulfur dioxide	1.20	1.5	ug/L	43230	1	5.66	743400	25.0
(DEL) Alkane: Str...	1.80	32.7	ug/L	972476	1	5.66	743400	25.0
Butanal	3.74	7.0	ug/L	206898	1	5.66	743400	25.0
2-Butanone, 3-met...	5.57	8.9	ug/L	265655	1	5.66	743400	25.0
Butanal, 3-methyl-	6.32	56.3	ug/L	1674580	1	5.66	743400	25.0
1-Pentanol	7.96	2.0	ug/L	55444	2	8.89	700099	25.0
Hexanal	8.28	387.4	ug/L	10848900	2	8.89	700099	25.0
Furfural	9.24	6.3	ug/L	177684	2	8.89	700099	25.0
1-Hexanol	9.52	3.2	ug/L	90363	2	8.89	700099	25.0
2-Heptanone	9.74	1.6	ug/L	44118	2	8.89	700099	25.0
Heptanal	9.85	9.1	ug/L	255460	2	8.89	700099	25.0
Pentane, 1-iodo-	9.99	1.4	ug/L	40120	2	8.89	700099	25.0
Hexanal dimethyl ...	10.57	6.4	ug/L	80901	3	11.29	315258	25.0
2-Heptanone, 6-me...	10.62	3.8	ug/L	47729	3	11.29	315258	25.0
Furan, 2-pentyl-	10.76	3.4	ug/L	42357	3	11.29	315258	25.0
2-Heptenal, (E)-	10.80	8.5	ug/L	106741	3	11.29	315258	25.0
1-Octen-3-ol	10.94	9.8	ug/L	123190	3	11.29	315258	25.0
3-Octanone	10.98	17.6	ug/L	222393	3	11.29	315258	25.0
Octanal	11.19	13.1	ug/L	164685	3	11.29	315258	25.0
1,3-Hexadiene, 3-...	11.73	4.4	ug/L	54918	3	11.29	315258	25.0
2-Octenal, (E)-	12.05	23.0	ug/L	290306	3	11.29	315258	25.0
Benzoic acid, 2-[...	12.29	1.4	ug/L	17681	3	11.29	315258	25.0
Nonanal	12.39	8.1	ug/L	102614	3	11.29	315258	25.0