LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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	1.110	3	6	18	rVB2	58260	57881	1.21%	0.339%
2	1.309	61	68	75	rVB	223051	210924	4.40%	1.235%
3	1.383	85	91	100	rBV	86502	88014	1.84%	0.515%
4	1.560	141	146	154	rVB	133151	156510	3.27%	0.916%
5	1.807	214	223	234	rVB	535367	670744	14.00%	3.927%
6	2.116	310	319	330	rVB2	311383	451775	9.43%	2.645%
7	2.183	331	340	357	rVV	377783	548601	11.45%	3.212%
8	2.454	415	424	440	rVB	177926	280415	5.85%	1.642%
9	2.987	579	590	603	rVV	17762	37039	0.77%	0.217%
10	3.058	603	612	624	rVB3	12240	23677	0.49%	0.139%
11	3.196	646	655	677	rBV2	13288	30206	0.63%	0.177%
12	3.357	701	705	709	rVB5	984	901	0.02%	0.005%
13	3.444	730	732	737	rVB5	1515	985	0.02%	0.006%
14	3.470	737	740	742	rBV3	1195	892	0.02%	0.005%
15	3.544	757	763	764	rBV4	2298	1559	0.03%	0.009%
16	3.688	804	808	811	rBV4	1338	1177	0.02%	0.007%
17	3.743	811	825	847	rBV	75755	186308	3.89%	1.091%
18	3.933	873	884	903	rBV	49129	121027	2.53%	0.709%
19	4.142	947	949	952	rVB3	1539	844	0.02%	0.005%
20	4.392	1006	1027	1050	rBV	203834	501069	10.45%	2.933%
21	4.720	1125	1129	1132	rVB5	1461	1054	0.02%	0.006%
22	4.769	1140	1144	1147	rBV5	1879	1278	0.03%	0.007%
23	4.871	1173	1176	1179	rVB2	1287	901	0.02%	0.005%
24	4.891	1179	1182	1184	rBV3	1125	900	0.02%	0.005%
25	5.087	1226	1243	1280	rBV3	492578	1210922	25.27%	7.089%
26	5.370	1320	1331	1354	rVB3	31989	75116	1.57%	0.440%
27	5.572	1371	1394	1408	rVV2	89036	220237	4.60%	1.289%
28	5.659	1408	1421	1448	rVB	379023	769862	16.06%	4.507%
29	5.949	1502	1511	1513	rBV7	5233	6289	0.13%	0.037%
30	6.013	1527	1531	1536	rBV8	1532	1484	0.03%	0.009%
31	6.113	1546	1562	1583	rBV	280501	572430	11.94%	3.351%
32	6.325	1616	1628	1656	rBV	509442	992302	20.70%	5.809%
33	6.958	1822	1825	1826	rBV2	1769	847	0.02%	0.005%
34	7.026	1829	1846	1864	rVV	150727	275389	5.75%	1.612%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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	7.141	1870	1882	1886	rBV	2496	4474	0.09%	0.026%
36	7.273	1916	1923	1928	rBV7	3431	4944	0.10%	0.029%
37	7.357	1928	1949	1963	rBV2	502011	1065050	22.22%	6.235%
38	7.608	2020	2027	2033	rVB5	7138	10501	0.22%	0.061%
39	7.662	2033	2044	2057	rBV	89782	148360	3.10%	0.869%
40	7.965	2130	2138	2149	rBV5	15576	37427	0.78%	0.219%
41	8.132	2179	2190	2204	rBV	165540	293374	6.12%	1.717%
42	8.280	2224	2236	2288	rVB	2917606	4792716	100.00%	28.057%
43	8.749	2377	2382	2386	rBV7	1429	1605	0.03%	0.009%
44	8.894	2409	2427	2447	rBV	478826	804196	16.78%	4.708%
45	9.051	2469	2476	2477	rBV6	2026	1770	0.04%	0.010%
46	9.106	2484	2493	2496	rBV7	3983	5912	0.12%	0.035%
47	9.180	2508	2516	2517	rBV6	3954	4243	0.09%	0.025%
48	9.354	2564	2570	2577	rBV7	10004	14043	0.29%	0.082%
49	9.524	2614	2623	2643	rBV2	30705	72291	1.51%	0.423%
50	9.746	2682	2692	2704	rBV	19380	33625	0.70%	0.197%
51	9.849	2712	2724	2739	rBV	109126	177405	3.70%	1.039%
52	9.990	2758	2768	2778	rVB4	14461	28332	0.59%	0.166%
53	10.177	2820	2826	2828	rBV6	1723	1987	0.04%	0.012%
54	10.260	2840	2852	2865	rVV	180639	283340	5.91%	1.659%
55	10.421	2887	2902	2913	rVB4	14182	28848	0.60%	0.169%
56	10.508	2921	2929	2933	rBV8	1818	2608	0.05%	0.015%
57	10.566	2935	2947	2956	rVV6	19352	37533	0.78%	0.220%
58	10.624	2958	2965	2979	rVB2	20816	35811	0.75%	0.210%
59	10.759	2999	3007	3013	rVV	14525	22454	0.47%	0.131%
60	10.800	3014	3020	3035	rVB3	26246	49074	1.02%	0.287%
61	10.945	3056	3065	3069	rBV2	42629	68487	1.43%	0.401%
62	10.981	3070	3076	3091	rVB	110530	175971	3.67%	1.030%
63	11.196	3133	3143	3161	rBV2	87011	145574	3.04%	0.852%
64	11.296	3163	3174	3188	rVB	272854	449471	9.38%	2.631%
65	11.575	3250	3261	3270	rBV7	6026	10684	0.22%	0.063%
66	11.672	3278	3291	3302	rBV	230211	376000	7.85%	2.201%
67	11.730	3303	3309	3324	rVB3	22894	39969	0.83%	0.234%
68	12.054	3398	3410	3428	rBV2	71420	134819	2.81%	0.789%
69	12.189	3444	3452	3459	rBV8	5362	8013	0.17%	0.047%
70	12.289	3477	3483	3494	rVB3	9443	15814	0.33%	0.093%
71	12.392	3506	3515	3528	rBV2	51014	81828	1.71%	0.479%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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	12.514	3550	3553	3555	rBV4	1445	1091	0.02%	0.006%
73	12.720	3609	3617	3627	rVB4	6481	10294	0.21%	0.060%
74	12.784	3630	3637	3638	rBV7	4161	4222	0.09%	0.025%
75	12.932	3679	3683	3690	rVB8	4238	4566	0.10%	0.027%
76	13.038	3713	3716	3723	rBV8	1247	1296	0.03%	0.008%
77	13.183	3754	3761	3775	rBV8	6092	11596	0.24%	0.068%
78	13.370	3817	3819	3821	rVV2	1570	918	0.02%	0.005%
79	13.476	3848	3852	3853	rBV3	2213	1552	0.03%	0.009%
80	13.556	3871	3877	3882	rVB9	1850	1857	0.04%	0.011%
81	13.633	3888	3901	3905	rBV8	5019	8944	0.19%	0.052%
82	13.720	3923	3928	3929	rBV4	1720	1404	0.03%	0.008%
83	13.781	3943	3947	3948	rBV3	1274	984	0.02%	0.006%
84	13.900	3981	3984	3987	rVB5	1370	1130	0.02%	0.007%
85	13.919	3987	3990	3993	rVB5	1615	890	0.02%	0.005%
86	13.951	3998	4000	4004	rVB3	1337	894	0.02%	0.005%
87	13.977	4004	4008	4009	rBV2	1221	941	0.02%	0.006%
88	14.090	4033	4043	4056	rVV	13367	27437	0.57%	0.161%
89	14.228	4075	4086	4093	rBV10	8190	15307	0.32%	0.090%
90	14.379	4125	4133	4142	rVV9	4671	8692	0.18%	0.051%
91	14.492	4164	4168	4169	rBV4	1535	854	0.02%	0.005%
92	14.562	4186	4190	4192	rVB4	1505	887	0.02%	0.005%
93	14.697	4229	4232	4236	rBV3	1239	849	0.02%	0.005%
94	14.984	4318	4321	4323	rBV4	1631	936	0.02%	0.005%
95	15.177	4379	4381	4383	rBV3	1448	874	0.02%	0.005%
96	15.250	4400	4404	4407	rBV6	1184	1065	0.02%	0.006%
97	15.405	4449	4452	4455	rBV3	1146	998	0.02%	0.006%
98	15.823	4579	4582	4586	rBV5	1462	1043	0.02%	0.006%
99	16.247	4712	4714	4718	rBV5	1745	1394	0.03%	0.008%
100	16.591	4819	4821	4823	rBV3	1789	956	0.02%	0.006%

Sum of corrected areas: 17081983

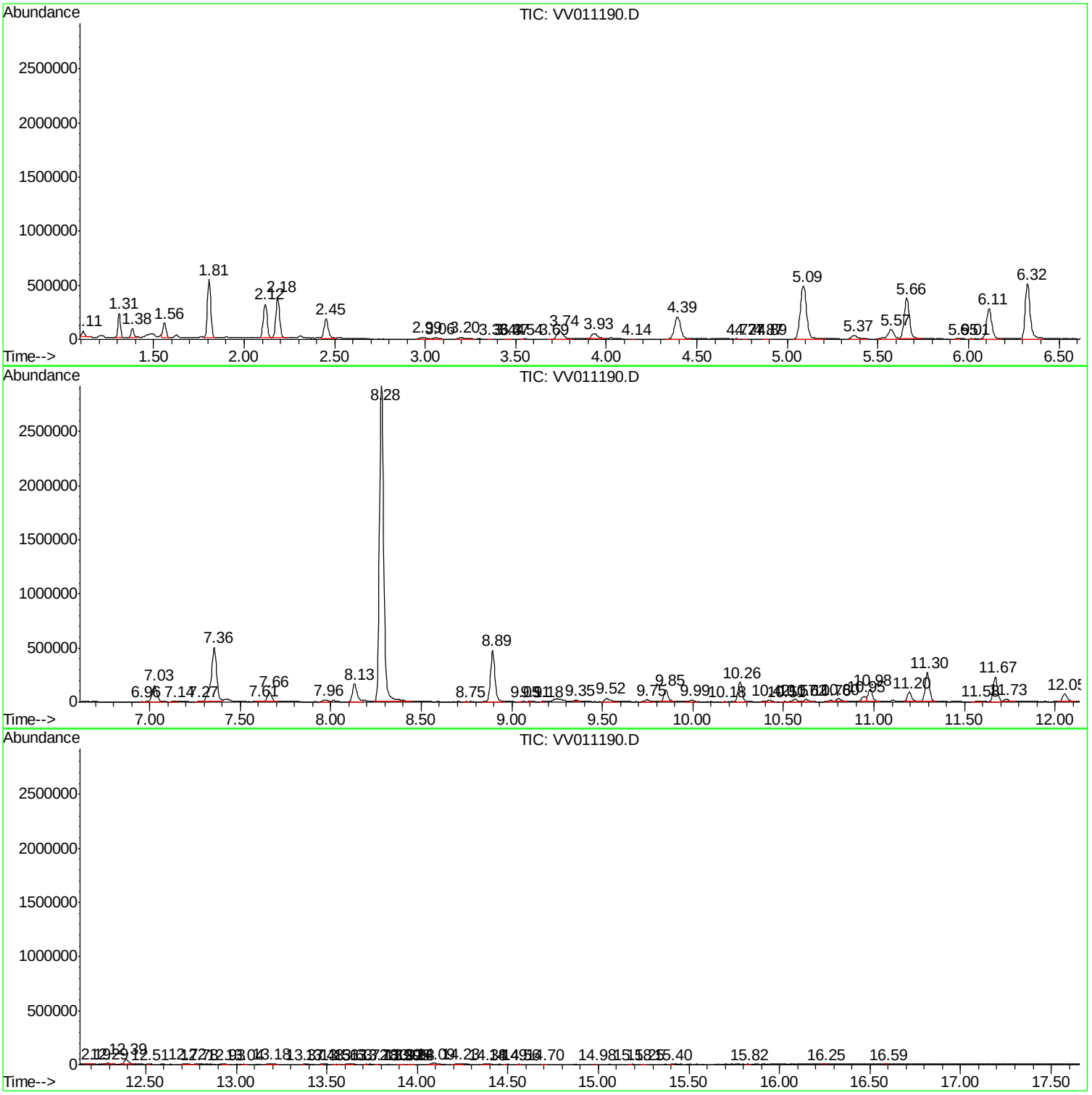
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

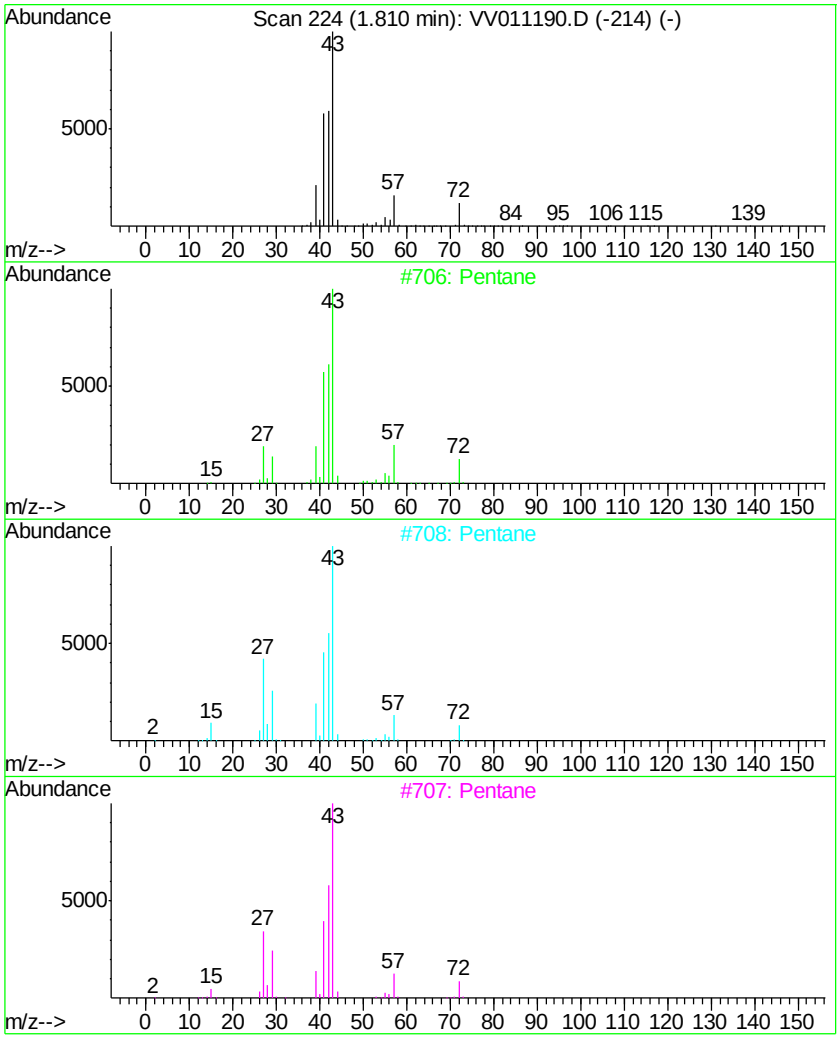
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

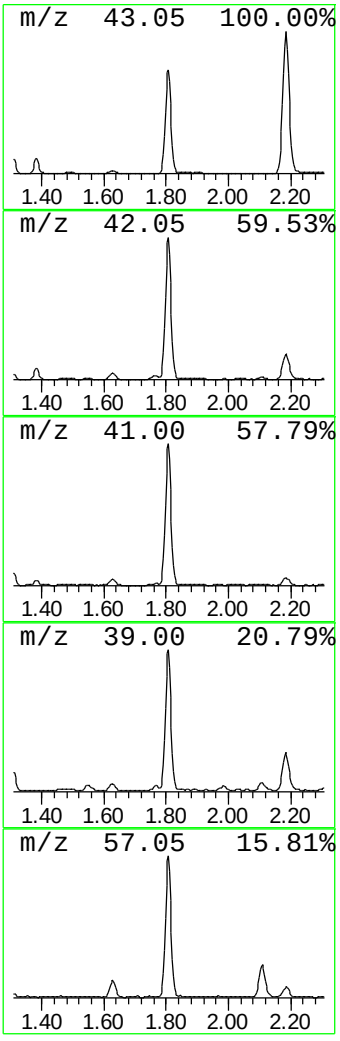
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	21.78 ug/L	670744	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	86
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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

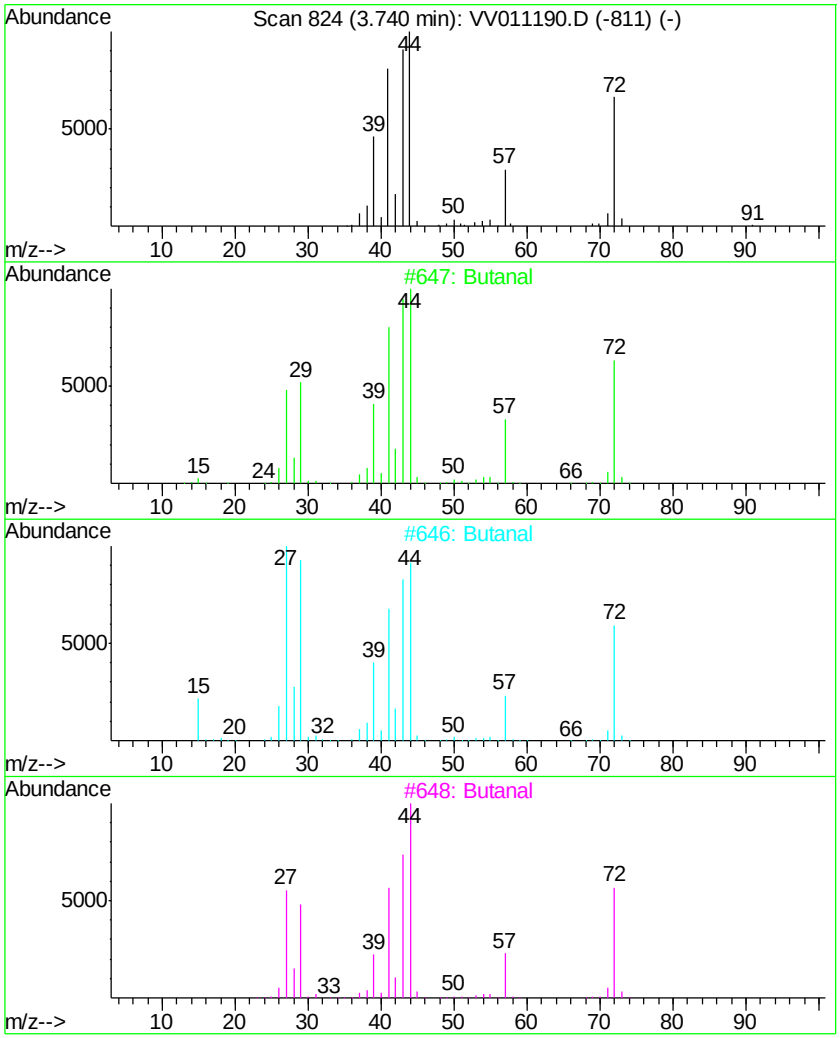
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

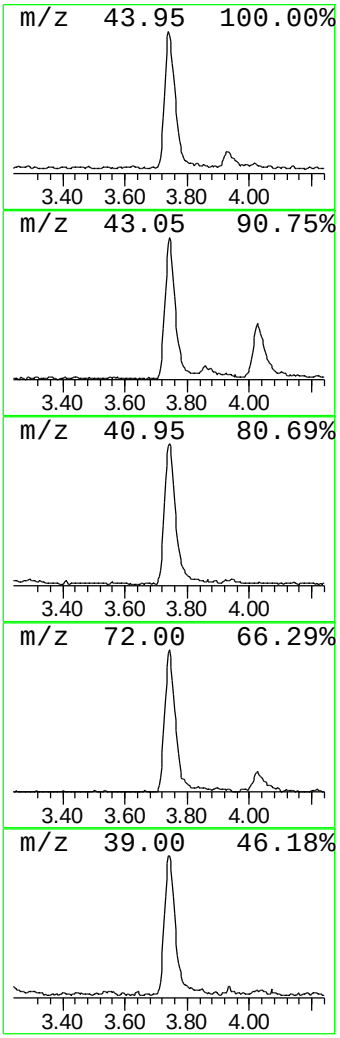
****

Peak Number 4 Butanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	6.05 ug/L	186308	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	64
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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

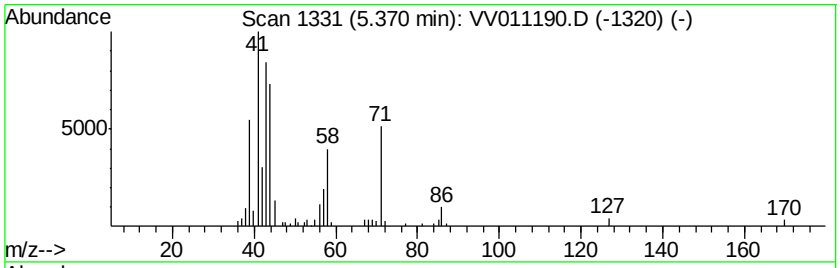
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

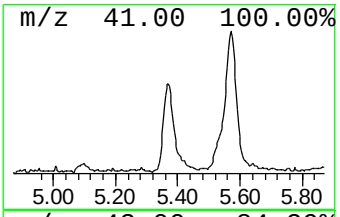
****

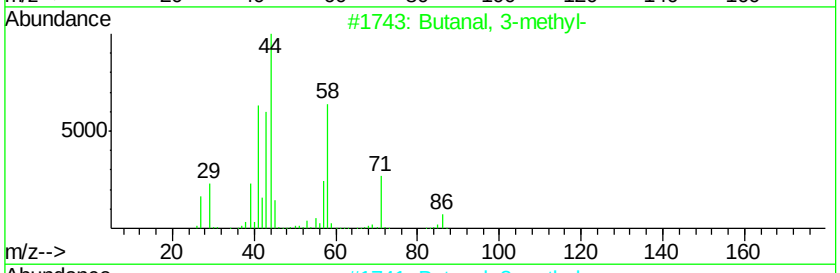
Peak Number 5 Butanal, 3-methyl- Concentration Rank 15

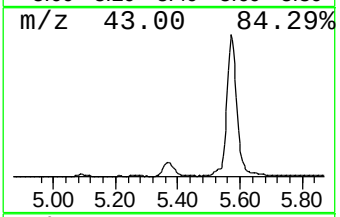
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	2.44 ug/L	75116	1,4-Difluorobenzene	5.66

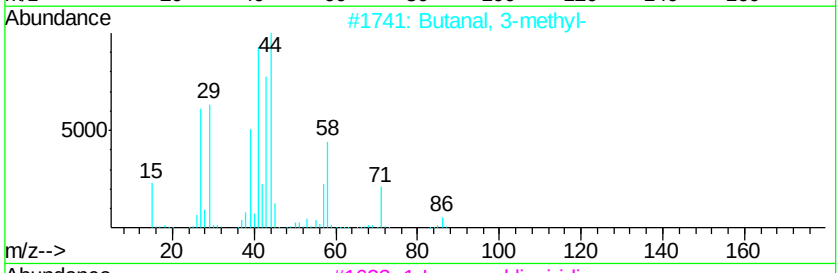
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	45
3	1-Isopropyldiaziridine	86	C4H10N2	033657-26-0	38
4	2-Propenamide	71	C3H5NO	000079-06-1	35
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	35

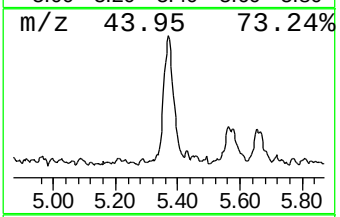


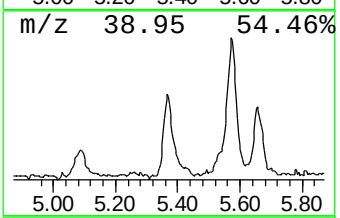


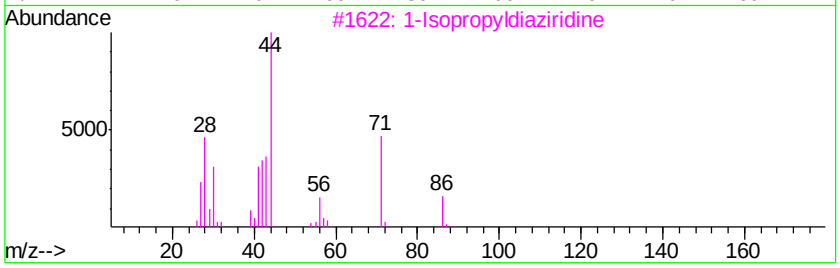


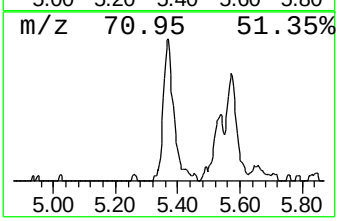












Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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

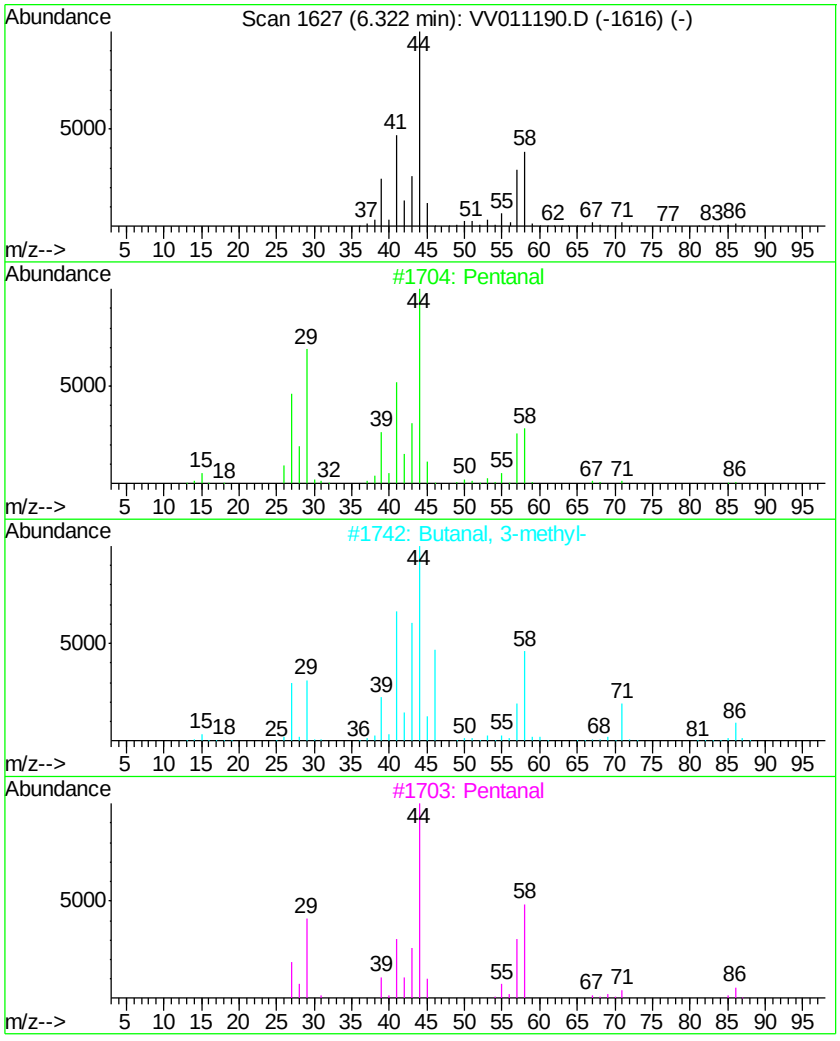
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

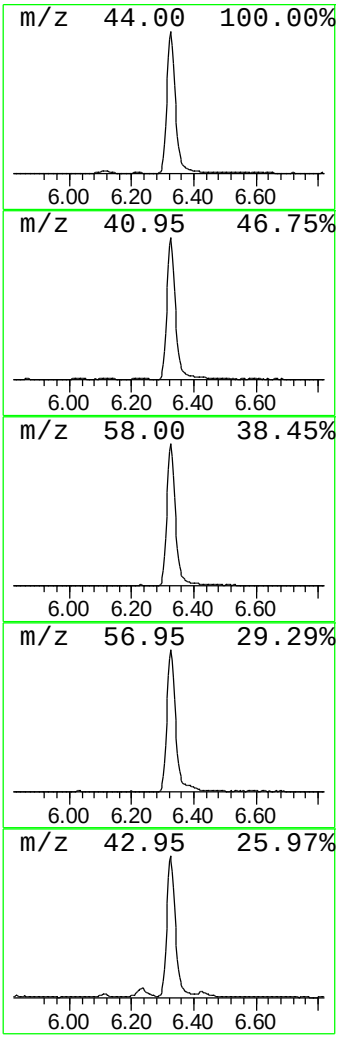
****

Peak Number 7 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	32.22 ug/L	992302	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	80
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
3	Pentanal	86	C5H10O	000110-62-3	64
4	Pentanal	86	C5H10O	000110-62-3	58
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	42





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Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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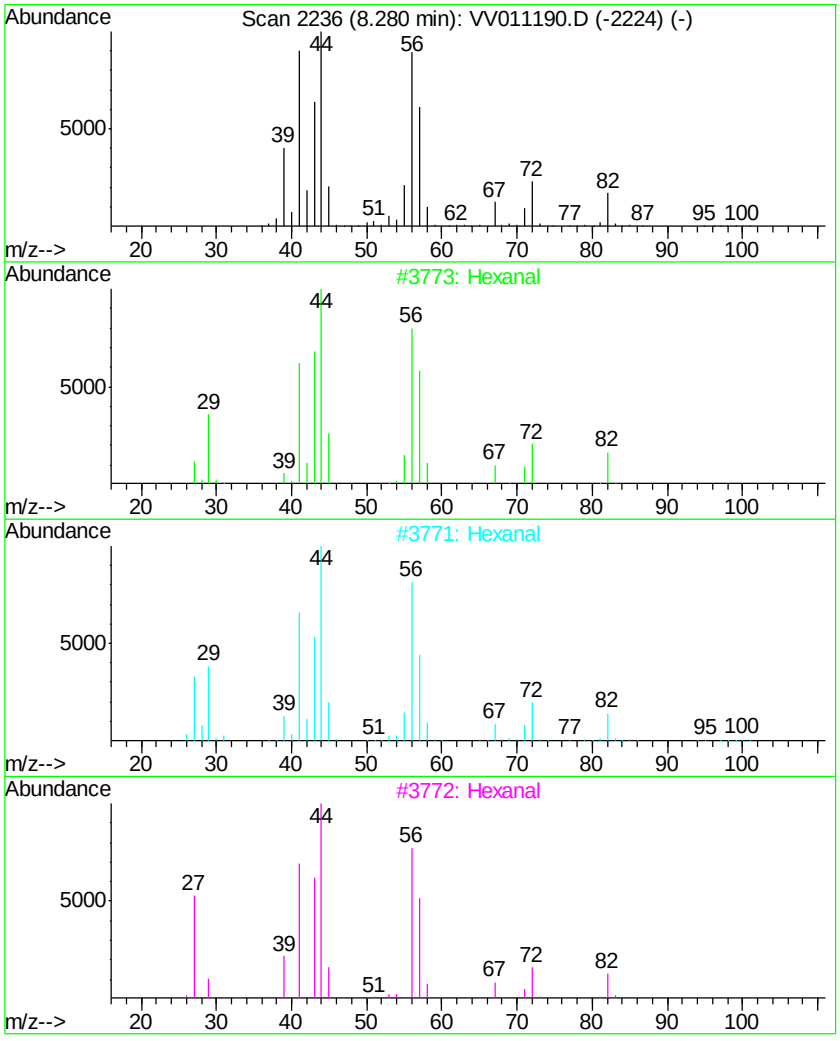
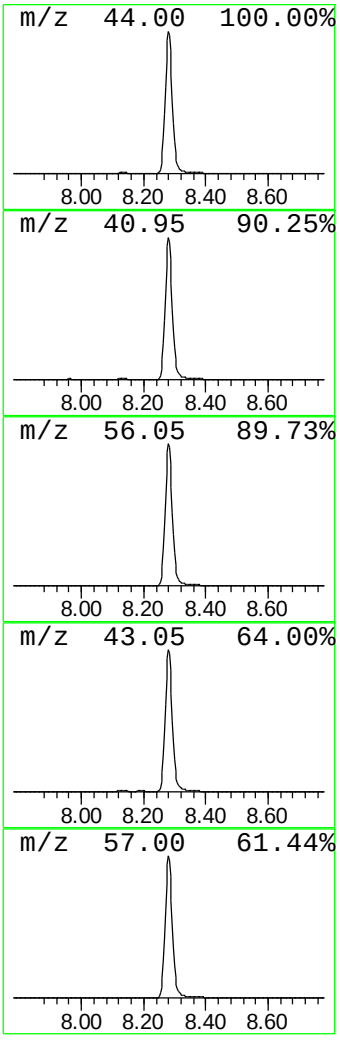
Peak Number 9 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	148.99 ug/L	4792720	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	50
5	Glutaraldehyde	100	C5H8O2	000111-30-8	30





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Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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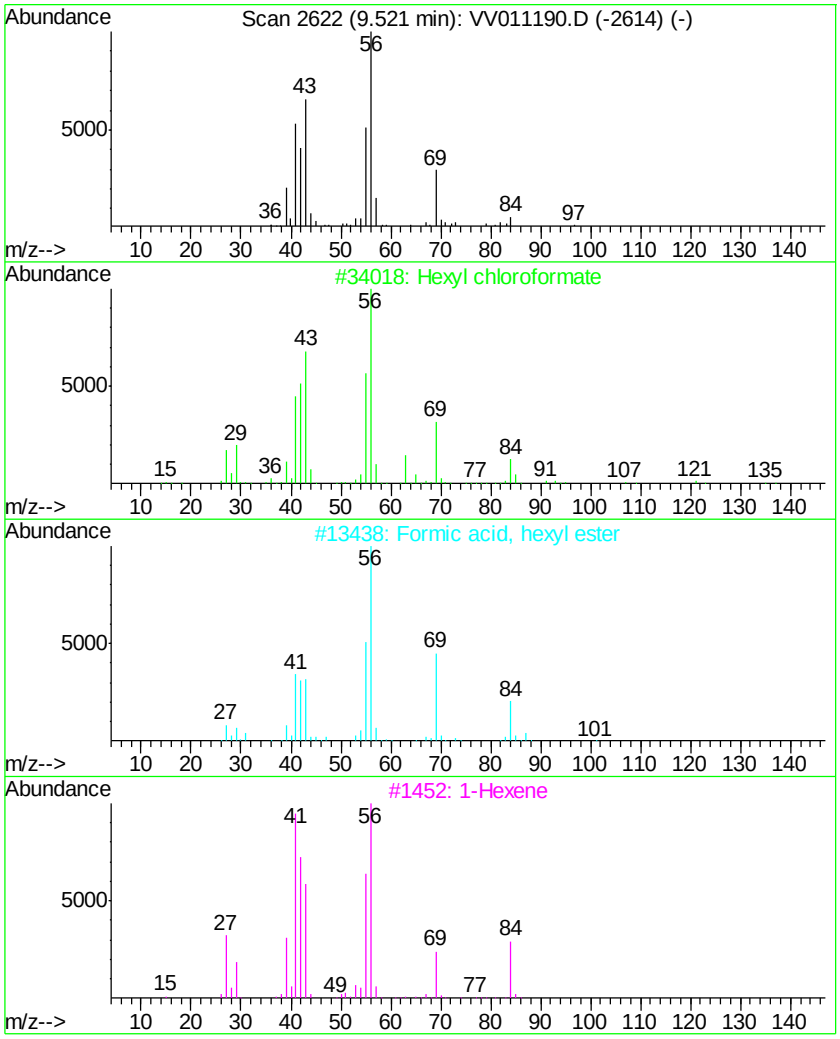
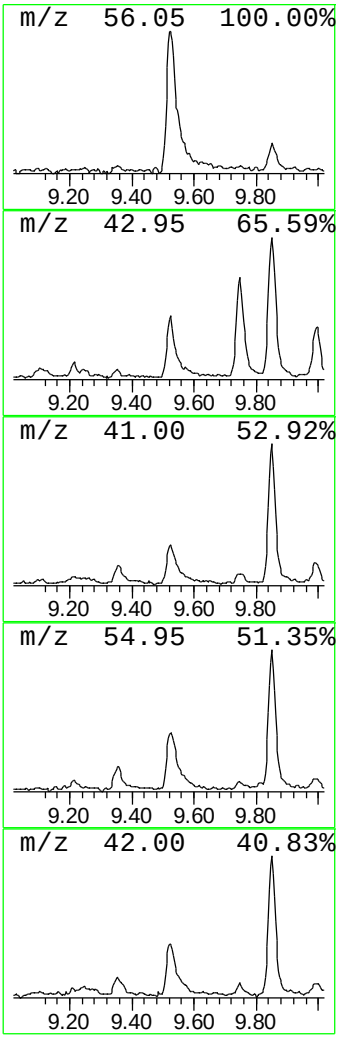
Peak Number 10 Hexyl chloroformate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	2.25 ug/L	72291	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	78
2	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	72
3	1-Hexene	84	C6H12	000592-41-6	64
4	1-Hexanol	102	C6H14O	000111-27-3	64
5	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	59





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Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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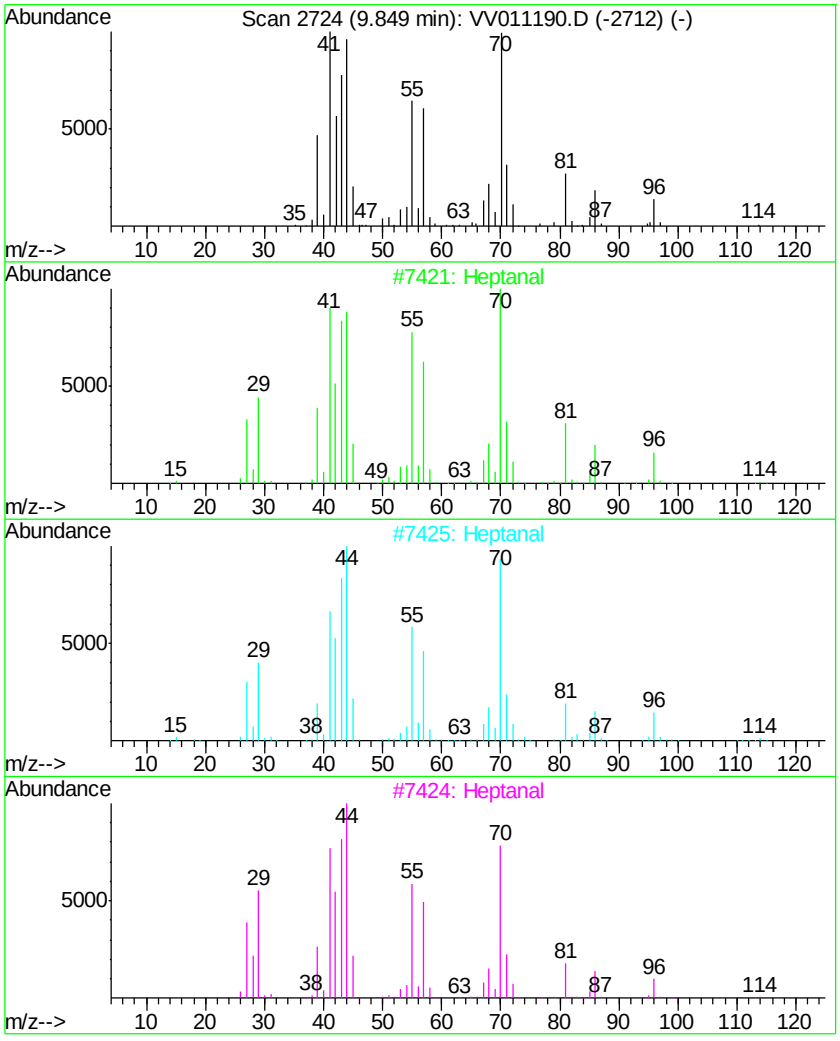
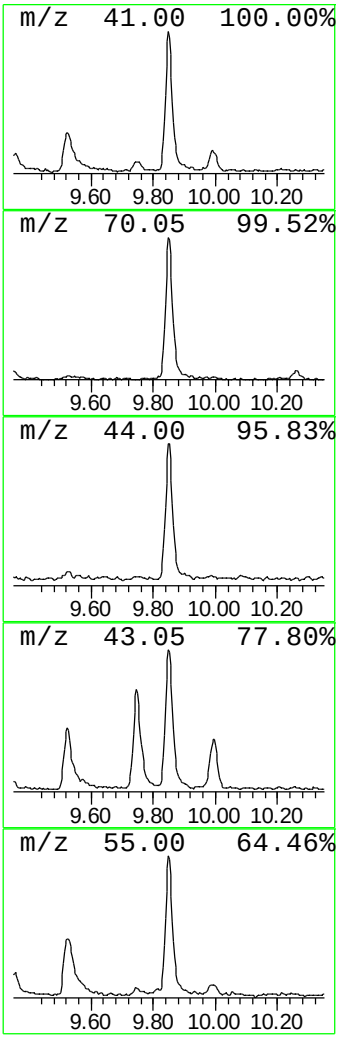
Peak Number 11 Heptanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	5.51 ug/L	177405	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	95
3	Heptanal	114	C7H14O	000111-71-7	80
4	Heptanal	114	C7H14O	000111-71-7	41
5	Oxirane, 2-(1,1-dimethylethyl)-3...	114	C7H14O	053897-30-6	38





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Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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

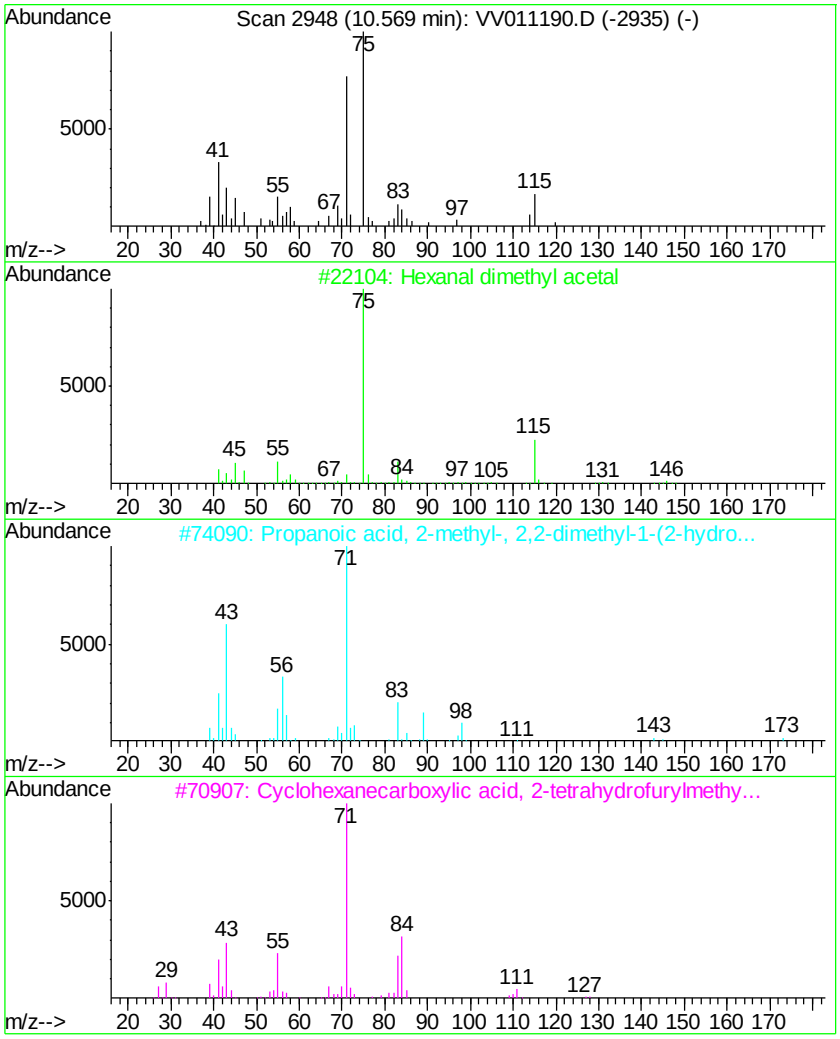
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

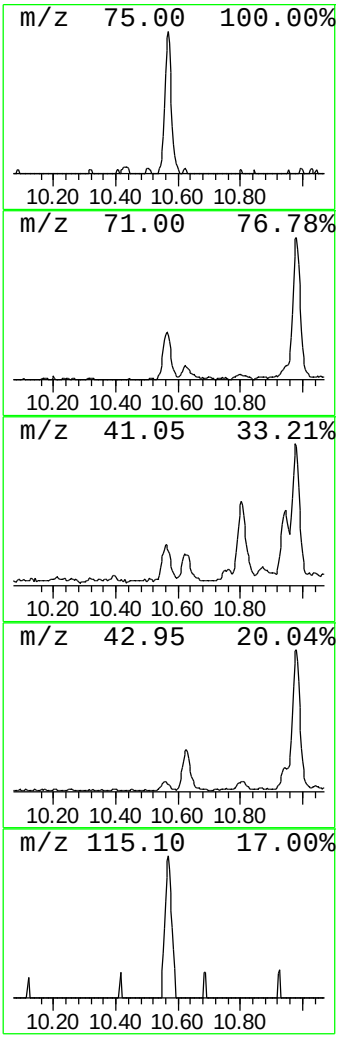
****

Peak Number 13 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.09 ug/L	37533	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal dimethyl acetal	146	C8H18O2	001599-47-9	37
2	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	35
3	Cyclohexanecarboxylic acid, 2-te...	212	C12H20O3	1000279-85-7	35
4	Hexanoic acid, 2-tetrahydrofuryl...	200	C11H20O3	002217-34-7	27
5	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	27





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Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

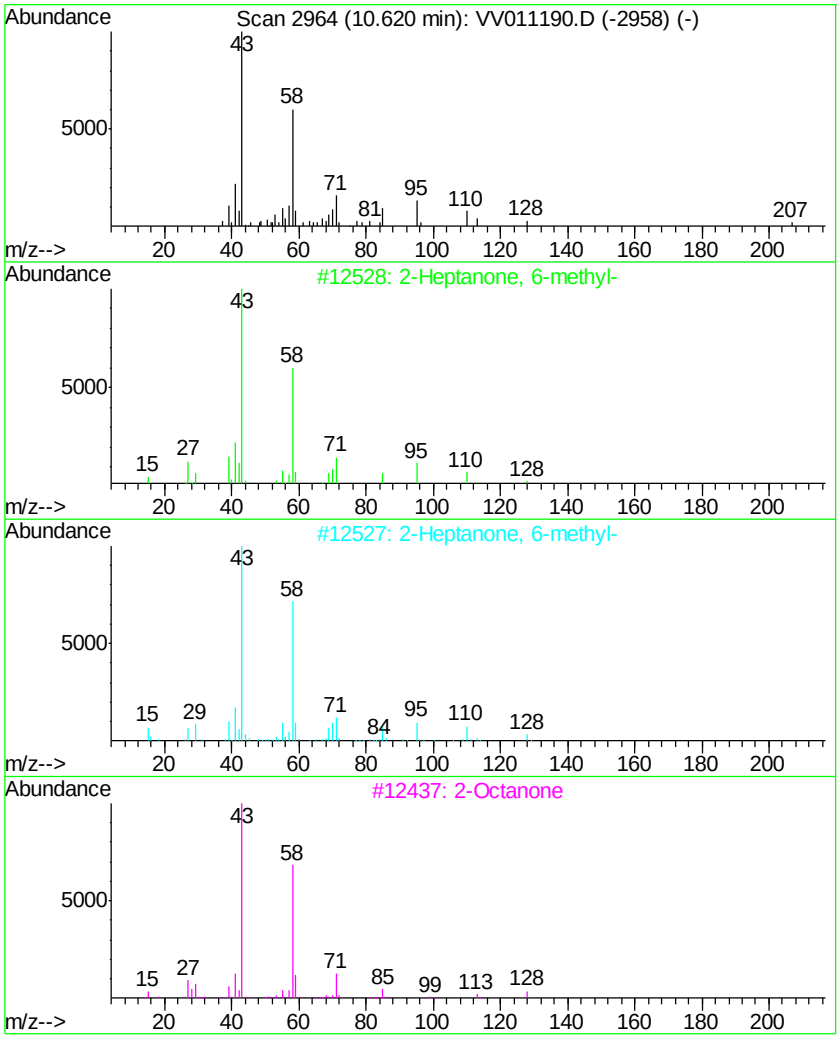
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

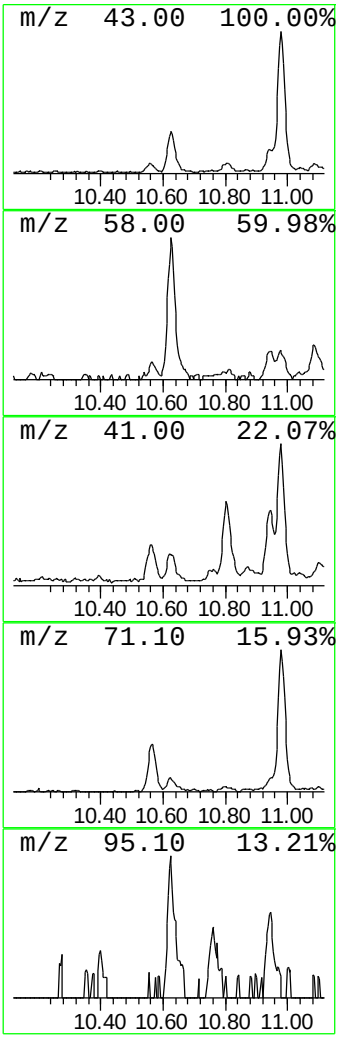
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2-Heptanone, 6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	1.99 ug/L	35811	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	91
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	91
3	2-Octanone	128	C8H16O	000111-13-7	53
4	2-Isopropyl-5-oxohexanal	156	C9H16O2	015303-46-5	50
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	45





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Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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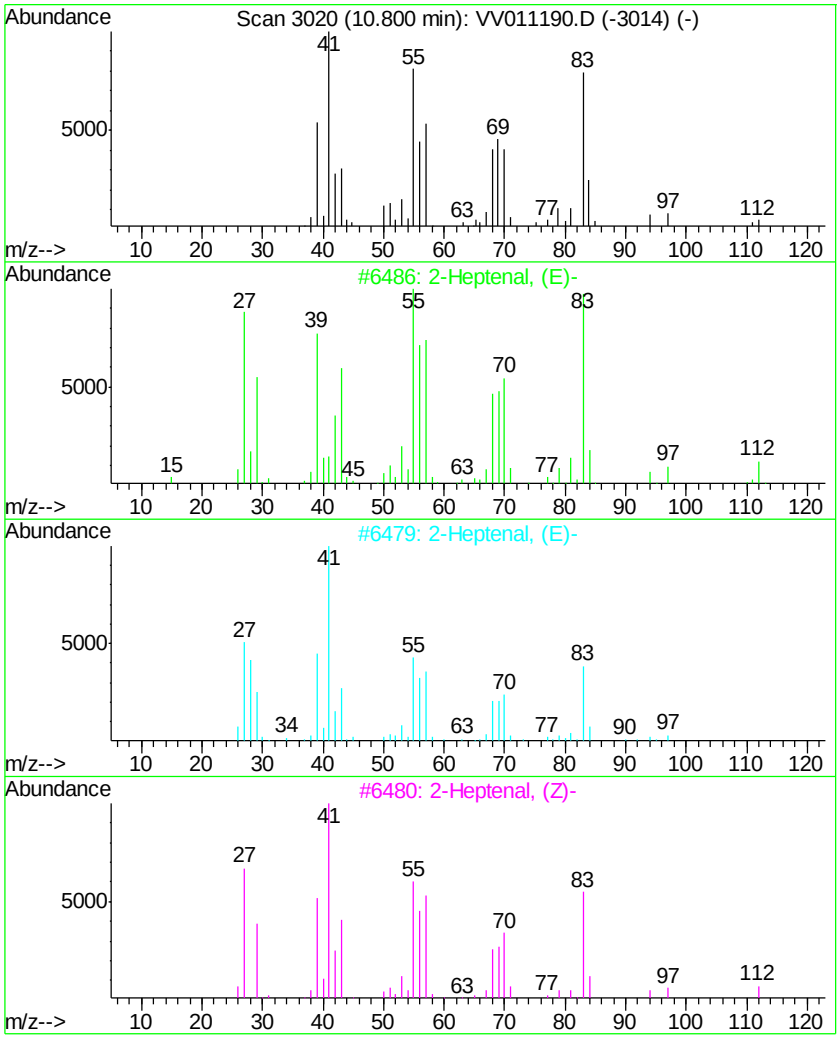
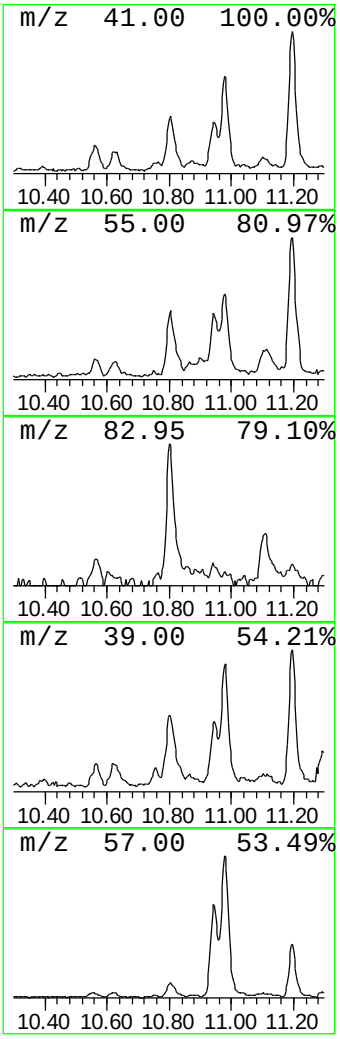
Peak Number 15 2-Heptenal, (E)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.73 ug/L	49074	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	91
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	72
3	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	64
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	52
5	5-Methyl-1-heptanol	130	C8H18O	007212-53-5	50





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Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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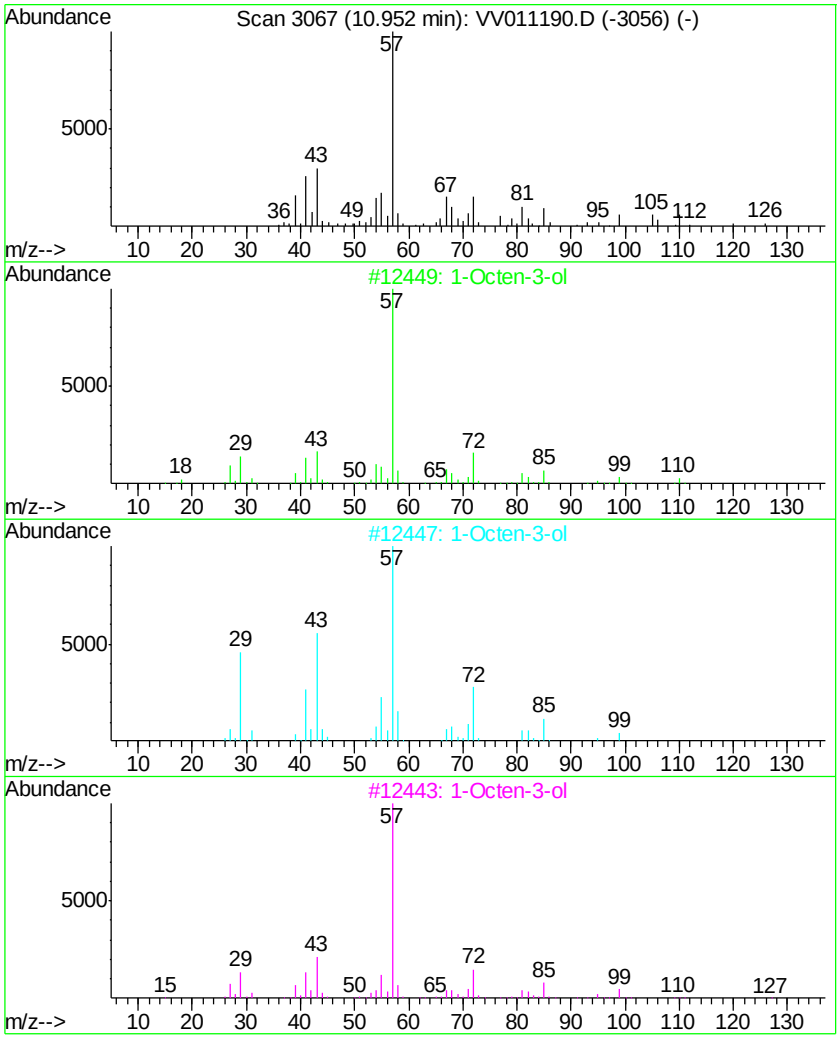
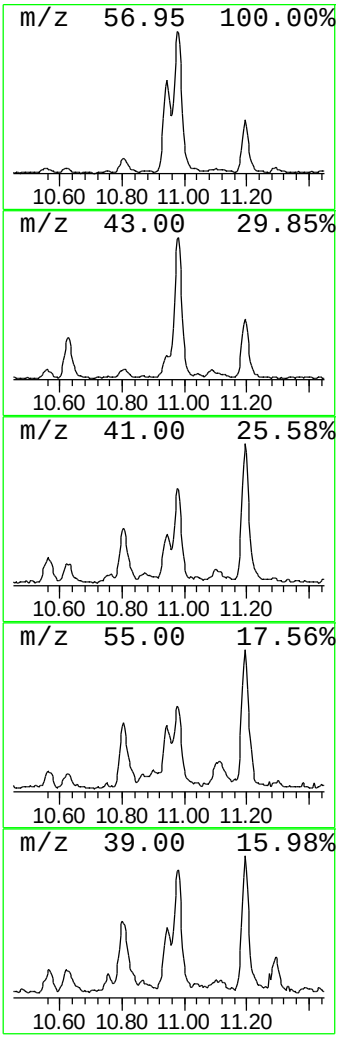
Peak Number 16 1-Octen-3-ol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	3.81 ug/L	68487	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octen-3-ol	128	C8H16O	003391-86-4	78
2	1-Octen-3-ol	128	C8H16O	003391-86-4	59
3	1-Octen-3-ol	128	C8H16O	003391-86-4	52
4	1-Hepten-3-ol	114	C7H14O	004938-52-7	50
5	1-Nonen-3-ol	142	C9H18O	021964-44-3	47





Library Search Compound Report

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Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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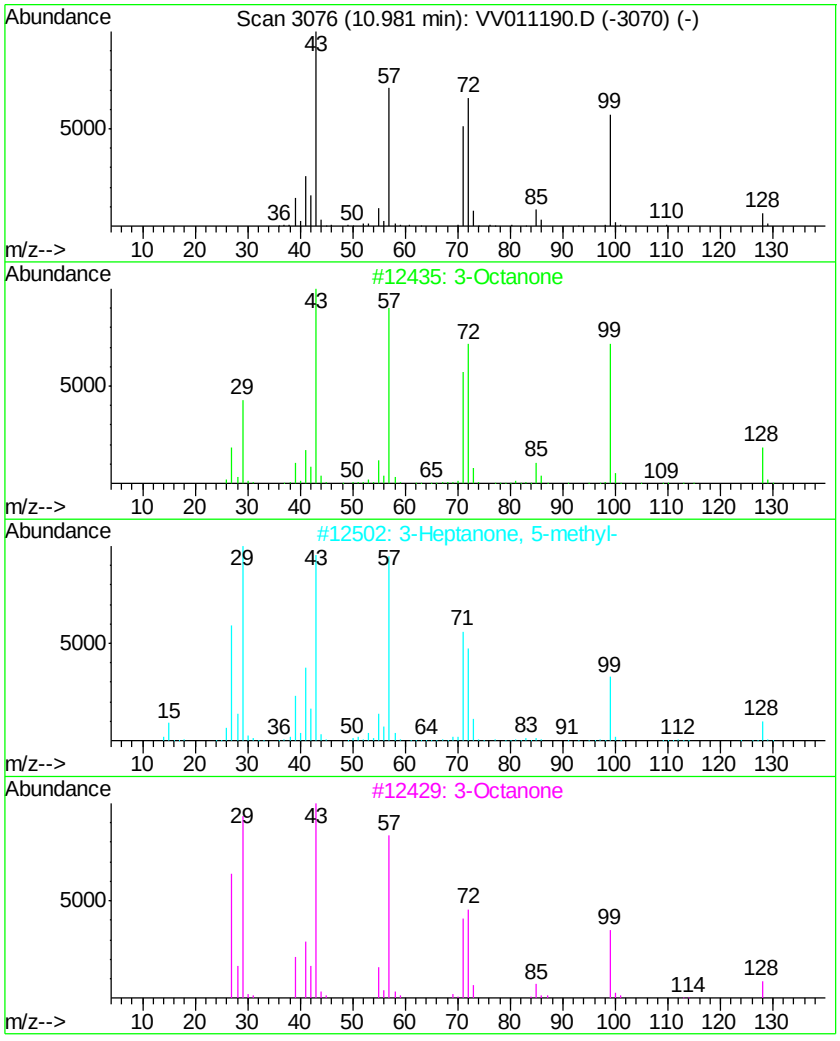
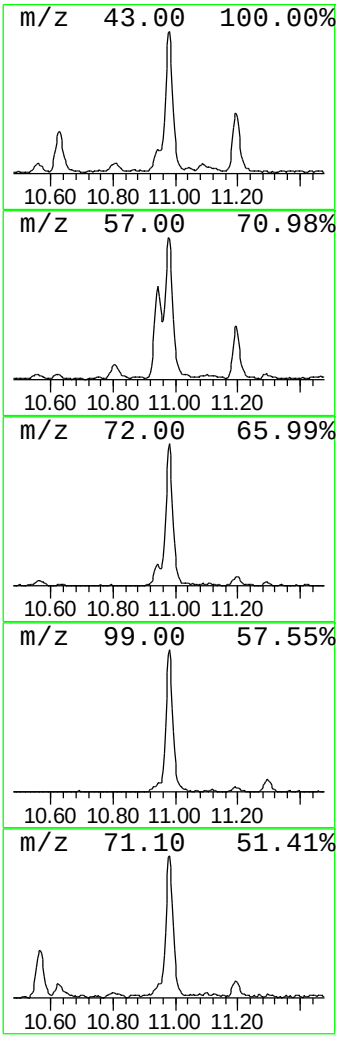
Peak Number 17 3-Octanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	9.79 ug/L	175971	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	83
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	50
3	3-Octanone	128	C8H16O	000106-68-3	50
4	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	47
5	3-Octanone	128	C8H16O	000106-68-3	46





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Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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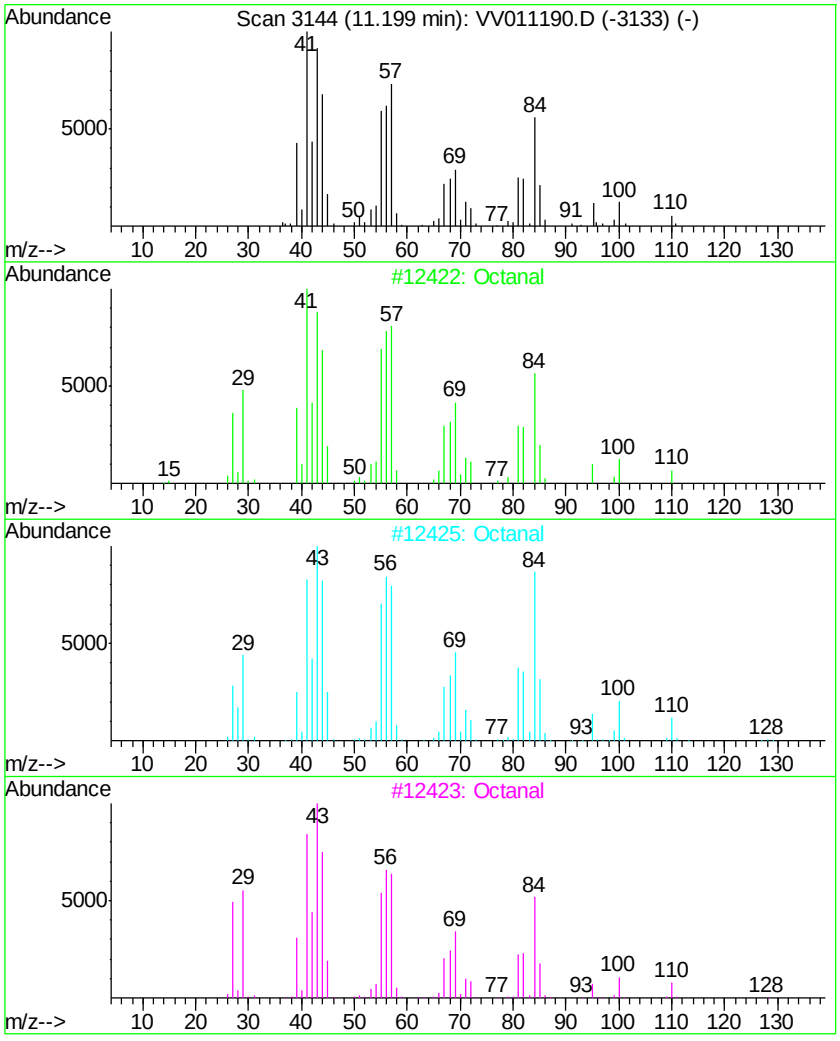
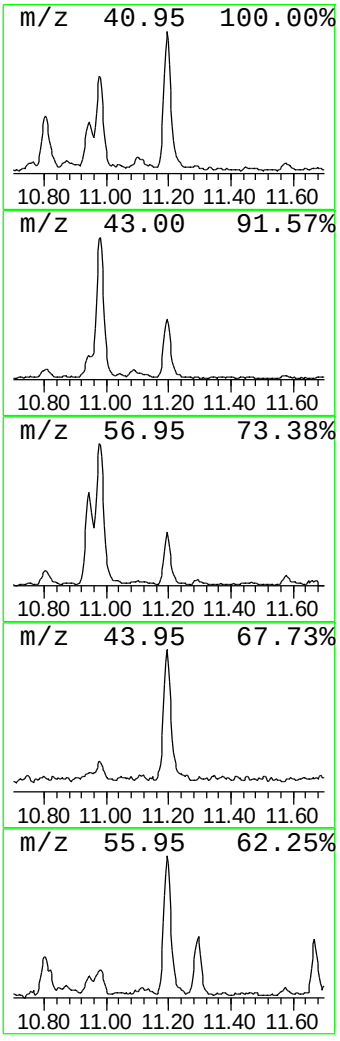
Peak Number 18 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	8.10 ug/L	145574	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	90
4	Octanal	128	C8H16O	000124-13-0	86
5	Octanal	128	C8H16O	000124-13-0	53





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Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

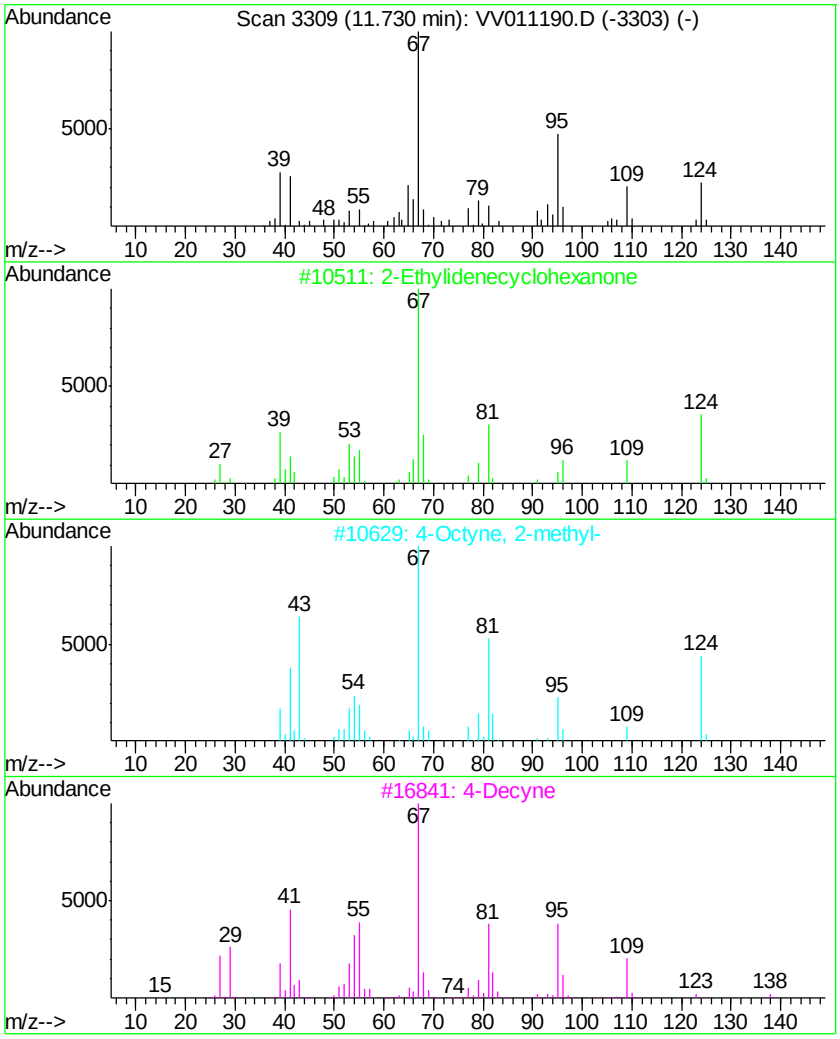
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

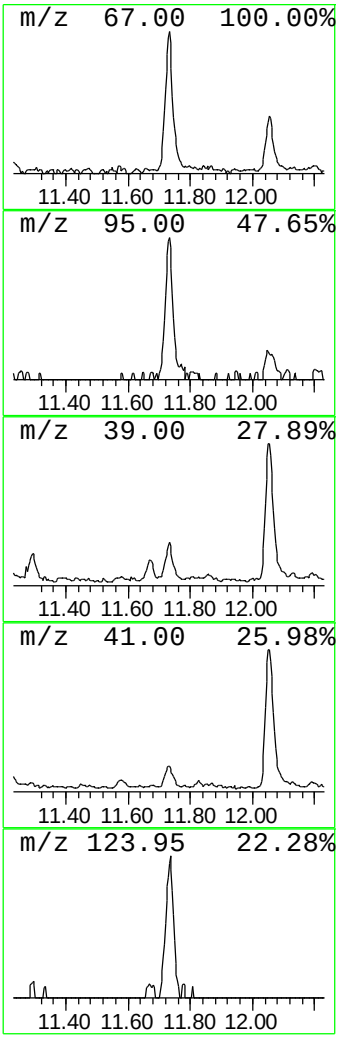
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 2-Ethylidenecyclohexanone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.22 ug/L	39969	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	50
2	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	47
3	4-Decyne	138	C10H18	002384-86-3	43
4	4-Decyne	138	C10H18	002384-86-3	43
5	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	42





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Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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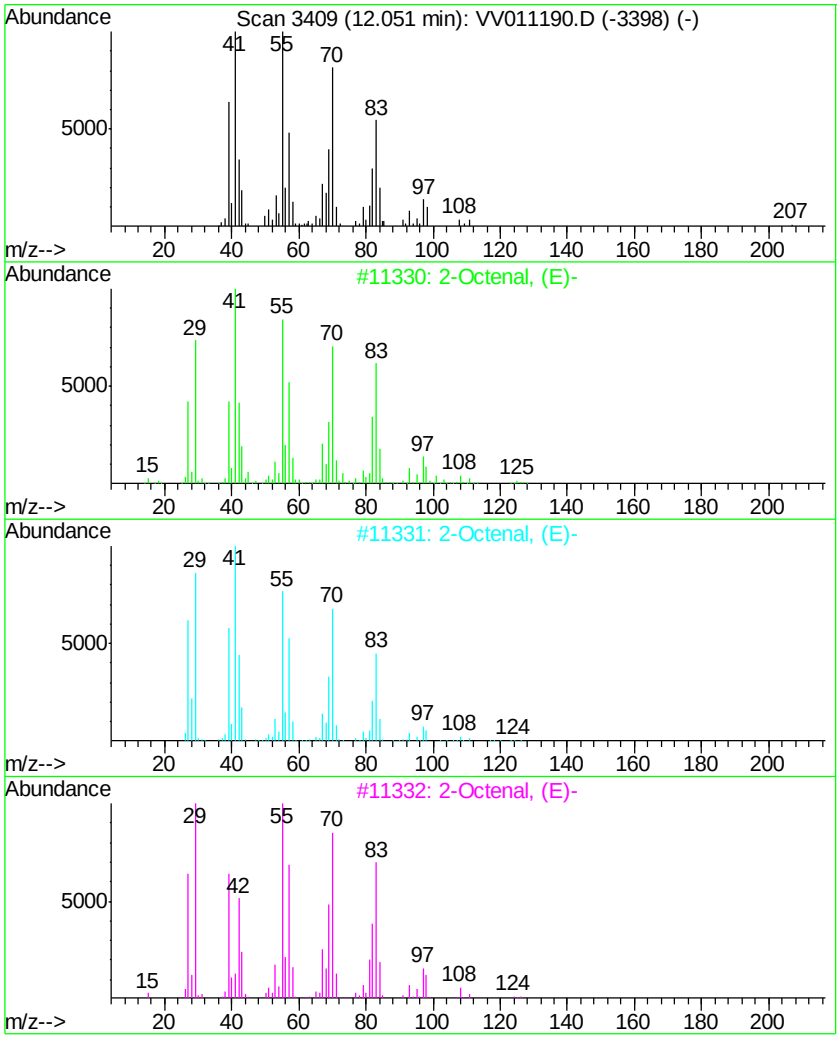
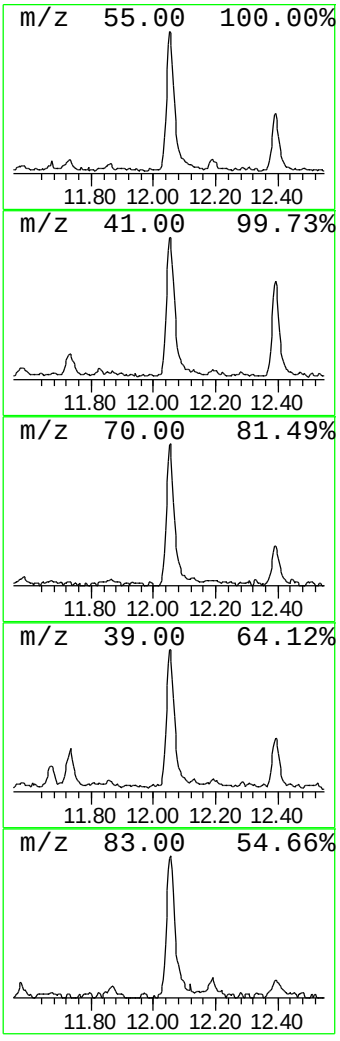
Peak Number 20 2-Octenal, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	7.50 ug/L	134819	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	90
2	2-Octenal, (E)-	126	C8H14O	002548-87-0	64
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	59
4	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	47
5	2-Propen-1-amine, N-2-propenyl-	97	C6H11N	000124-02-7	38





Library Search Compound Report

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Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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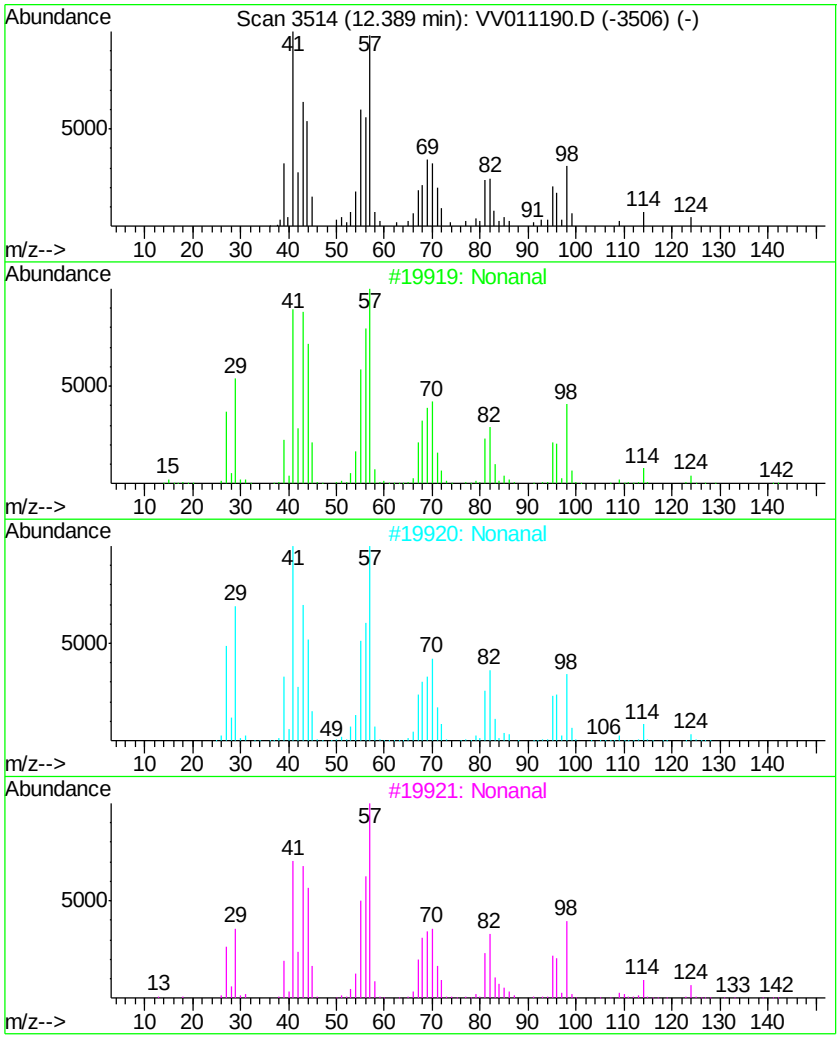
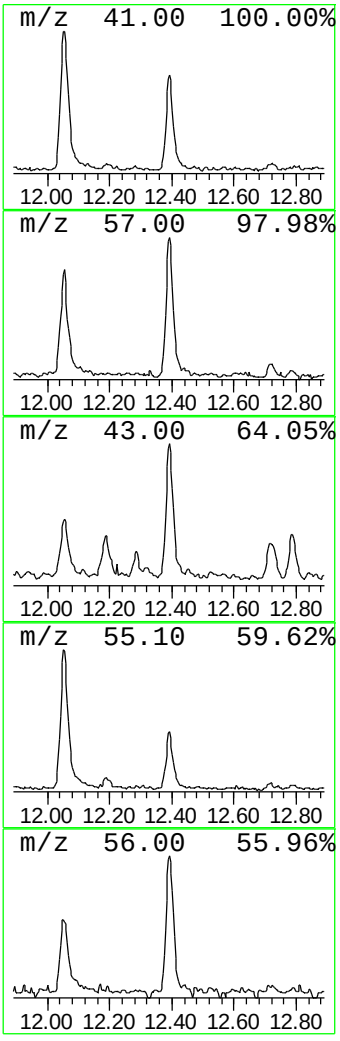
Peak Number 21 Nonanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.55 ug/L	81828	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	87
2	Nonanal	142	C9H18O	000124-19-6	87
3	Nonanal	142	C9H18O	000124-19-6	72
4	Nonanal	142	C9H18O	000124-19-6	64
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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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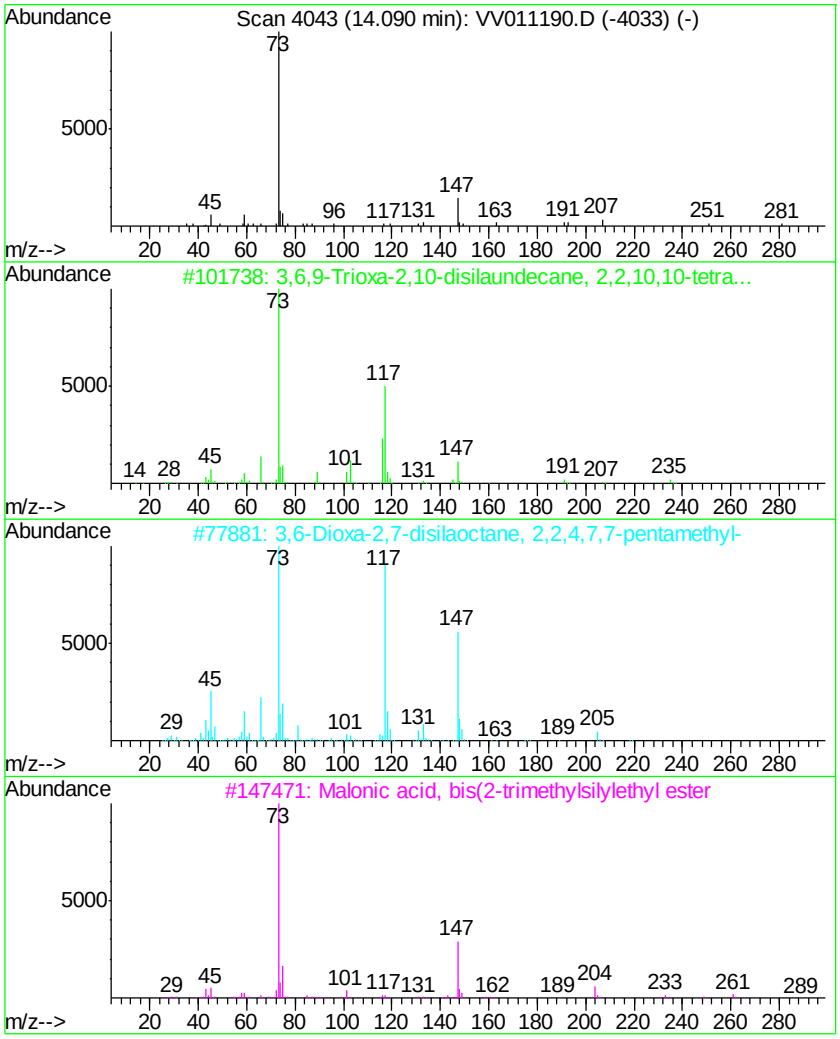
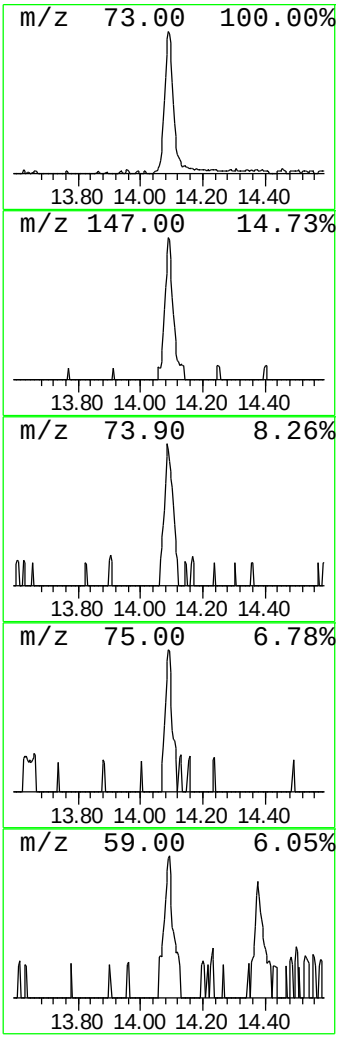
Peak Number 22 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	1.53 ug/L	27437	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9-Trioxa-2,10-disilaundecane...	250	C10H26O3Si2	016654-74-3	40
2	3,6-Dioxa-2,7-disilaoctane, 2,2,...	220	C9H24O2Si2	017887-27-3	38
3	Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	38
4	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	38
5	2-Phenyl-1,2-bis(trimethylsilylo...	296	C15H28O2Si2	294847-15-7	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053119\
Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20RE
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F1RE

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.81	21.8	ug/L	670744	1	5.66	769862	25.0
Butanal	3.74	6.0	ug/L	186308	1	5.66	769862	25.0
Butanal, 3-methyl-	5.37	2.4	ug/L	75116	1	5.66	769862	25.0
Pentanal	6.32	32.2	ug/L	992302	1	5.66	769862	25.0
Hexanal	8.28	149.0	ug/L	4792720	2	8.89	804196	25.0
Hexyl chloroformate	9.52	2.3	ug/L	72291	2	8.89	804196	25.0
Heptanal	9.85	5.5	ug/L	177405	2	8.89	804196	25.0
unknown-01	10.57	2.1	ug/L	37533	3	11.30	449471	25.0
2-Heptanone, 6-me...	10.62	2.0	ug/L	35811	3	11.30	449471	25.0
2-Heptenal, (E)-	10.80	2.7	ug/L	49074	3	11.30	449471	25.0
1-Octen-3-ol	10.95	3.8	ug/L	68487	3	11.30	449471	25.0
3-Octanone	10.98	9.8	ug/L	175971	3	11.30	449471	25.0
Octanal	11.20	8.1	ug/L	145574	3	11.30	449471	25.0
2-Ethylidenecyclo...	11.73	2.2	ug/L	39969	3	11.30	449471	25.0
2-Octenal, (E)-	12.05	7.5	ug/L	134819	3	11.30	449471	25.0
Nonanal	12.39	4.5	ug/L	81828	3	11.30	449471	25.0
unknown-02	14.09	1.5	ug/L	27437	3	11.30	449471	25.0