LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

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_W\METHOD\SOM2WLM072219S.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	1.959	5	9	10	rBV	8379	12023	0.65%	0.079%
2	1.983	11	13	25	rVB	23340	45520	2.46%	0.298%
3	2.148	36	40	46	rBV4	6110	13709	0.74%	0.090%
4	2.349	67	73	85	rVB	136922	254368	13.75%	1.663%
5	2.489	91	96	106	rBV	46582	102591	5.55%	0.671%
6	2.885	154	161	175	rVB	85136	208103	11.25%	1.361%
7	3.276	222	225	227	rBV4	1356	1933	0.10%	0.013%
8	3.385	236	243	252	rVB3	10322	25697	1.39%	0.168%
9	3.477	257	258	261	rBV2	750	819	0.04%	0.005%
10	3.721	289	298	307	rBV9	2594	9768	0.53%	0.064%
11	3.867	313	322	323	rBV5	3494	6731	0.36%	0.044%
12	4.013	333	346	357	rBV2	218907	735218	39.76%	4.807%
13	4.123	358	364	381	rVB	52739	156830	8.48%	1.025%
14	4.391	401	408	417	rVB6	3439	10058	0.54%	0.066%
15	4.666	448	453	455	rBV2	2409	3823	0.21%	0.025%
16	4.916	481	494	506	rBV3	6449	26076	1.41%	0.170%
17	5.153	525	533	535	rBV3	2270	4586	0.25%	0.030%
18	5.428	573	578	583	rVV6	719	1521	0.08%	0.010%
19	5.781	625	636	647	rBV2	9076	30185	1.63%	0.197%
20	5.934	649	661	671	rVB4	5747	18051	0.98%	0.118%
21	6.111	680	690	701	rBV6	4536	14720	0.80%	0.096%
22	6.610	762	772	774	rBV7	1347	3621	0.20%	0.024%
23	6.714	787	789	793	rBV4	822	743	0.04%	0.005%
24	6.897	807	819	832	rBV2	32587	100663	5.44%	0.658%
25	7.074	839	848	859	rBV	70886	212754	11.50%	1.391%
26	7.275	879	881	884	rBV3	803	837	0.05%	0.005%
27	7.647	930	942	955	rBV	297331	725251	39.22%	4.742%
28	7.946	986	991	1000	rVB9	1406	3396	0.18%	0.022%
29	8.153	1021	1025	1029	rVB4	557	850	0.05%	0.006%
30	8.275	1034	1045	1060	rBV2	621961	1849350	100.00%	12.091%
31	8.391	1062	1064	1069	rVB6	1162	1520	0.08%	0.010%
32	8.549	1079	1090	1101	rBV	32225	74301	4.02%	0.486%
33	8.708	1107	1116	1126	rBV3	14768	37720	2.04%	0.247%
34	8.842	1128	1138	1148	rBV	534292	1055988	57.10%	6.904%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

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_W\METHOD\SOM2WLM072219S.M
Title : VOC Analysis

35	9.049	1165	1172	1182	rVV3	5649	14384	0.78%	0.094%
36	9.147	1182	1188	1190	rVB4	789	1187	0.06%	0.008%
37	9.275	1197	1209	1219	rBV	437809	893805	48.33%	5.844%
38	9.409	1224	1231	1246	rVB	120330	234239	12.67%	1.531%
39	9.549	1248	1254	1260	rVB4	2710	5053	0.27%	0.033%
40	9.665	1268	1273	1277	rBV5	2544	4359	0.24%	0.028%
41	10.037	1325	1334	1344	rBV	235738	430603	23.28%	2.815%
42	10.207	1358	1362	1368	rBV3	2757	5113	0.28%	0.033%
43	10.323	1370	1381	1389	rBV	821578	1464347	79.18%	9.574%
44	10.390	1389	1392	1399	rVB2	5498	9541	0.52%	0.062%
45	10.506	1404	1411	1415	rBV7	2546	5362	0.29%	0.035%
46	10.579	1415	1423	1429	rBV	152651	276364	14.94%	1.807%
47	10.701	1438	1443	1458	rVB2	13430	29767	1.61%	0.195%
48	10.799	1458	1459	1461	rBV2	757	715	0.04%	0.005%
49	10.866	1467	1470	1473	rVB4	1145	1480	0.08%	0.010%
50	10.927	1473	1480	1496	rBV	280016	493435	26.68%	3.226%
51	11.073	1496	1504	1517	rBV	693074	1170468	63.29%	7.653%
52	11.414	1557	1560	1562	rBV4	769	915	0.05%	0.006%
53	11.573	1581	1586	1588	rBV5	1807	3204	0.17%	0.021%
54	11.628	1588	1595	1605	rVB	711149	1195110	64.62%	7.814%
55	11.731	1609	1612	1620	rVB4	2789	4972	0.27%	0.033%
56	11.841	1624	1630	1640	rBV4	15361	36781	1.99%	0.240%
57	11.945	1640	1647	1654	rBV2	15196	27141	1.47%	0.177%
58	12.024	1658	1660	1663	rVV4	837	1058	0.06%	0.007%
59	12.097	1668	1672	1677	rVB5	1472	1960	0.11%	0.013%
60	12.177	1679	1685	1687	rVV7	1860	3194	0.17%	0.021%
61	12.237	1690	1695	1701	rBV3	3627	7159	0.39%	0.047%
62	12.341	1705	1712	1723	rBV	118320	194039	10.49%	1.269%
63	12.451	1728	1730	1732	rBV2	1495	1688	0.09%	0.011%
64	12.512	1736	1740	1746	rVB2	5550	7981	0.43%	0.052%
65	12.609	1750	1756	1762	rVB2	28709	47205	2.55%	0.309%
66	12.695	1762	1770	1777	rBV	313153	523084	28.28%	3.420%
67	12.750	1777	1779	1780	rBV2	1009	771	0.04%	0.005%
68	12.811	1786	1789	1794	rVB4	1450	2621	0.14%	0.017%
69	12.939	1800	1810	1816	rBV2	14132	30567	1.65%	0.200%
70	13.048	1822	1828	1832	rBV3	8019	14927	0.81%	0.098%
71	13.097	1832	1836	1842	rVV2	12282	22656	1.23%	0.148%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
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Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

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_W\METHOD\SOM2WLM072219S.M
Title : VOC Analysis

72	13.152	1842	1845	1851	rVB6	4308	7214	0.39%	0.047%
73	13.274	1859	1865	1876	rVB3	30947	62389	3.37%	0.408%
74	13.396	1879	1885	1892	rBV2	34814	57542	3.11%	0.376%
75	13.475	1894	1898	1899	rBV4	1256	1496	0.08%	0.010%
76	13.560	1905	1912	1923	rBV	600412	992294	53.66%	6.488%
77	13.652	1923	1927	1932	rVB2	8382	14011	0.76%	0.092%
78	13.853	1952	1960	1973	rBV	604242	992743	53.68%	6.491%
79	13.944	1973	1975	1978	rVB3	1241	1087	0.06%	0.007%
80	14.018	1984	1987	1991	rBV5	4874	7162	0.39%	0.047%
81	14.073	1991	1996	2004	rVB2	43259	72650	3.93%	0.475%
82	14.225	2015	2021	2024	rBV7	2311	4832	0.26%	0.032%
83	14.329	2032	2038	2045	rBV	30829	48389	2.62%	0.316%
84	14.524	2066	2070	2076	rVV3	9772	15042	0.81%	0.098%
85	14.621	2083	2086	2091	rBV4	4040	7198	0.39%	0.047%
86	14.719	2100	2102	2109	rVB8	2974	4831	0.26%	0.032%
87	14.786	2111	2113	2114	rBV2	1901	1533	0.08%	0.010%
88	14.859	2120	2125	2127	rBV4	3323	5371	0.29%	0.035%
89	14.956	2134	2141	2146	rBV4	20679	38578	2.09%	0.252%
90	15.078	2157	2161	2166	rBV8	1812	3496	0.19%	0.023%
91	15.182	2173	2178	2185	rBV4	8430	13601	0.74%	0.089%
92	15.322	2199	2201	2204	rVB3	1218	1207	0.07%	0.008%
93	15.365	2204	2208	2210	rBV4	2652	3857	0.21%	0.025%
94	15.523	2232	2234	2237	rBV3	1028	1657	0.09%	0.011%
95	15.761	2270	2273	2274	rBV3	2008	1863	0.10%	0.012%
96	15.859	2284	2289	2294	rBV8	3427	6286	0.34%	0.041%
97	15.969	2304	2307	2314	rVB7	2700	4054	0.22%	0.027%
98	16.109	2322	2330	2333	rBV9	2186	4416	0.24%	0.029%
99	16.328	2363	2366	2373	rBV8	1398	2909	0.16%	0.019%
100	16.609	2411	2412	2415	rBV2	836	919	0.05%	0.006%

Sum of corrected areas: 15295206

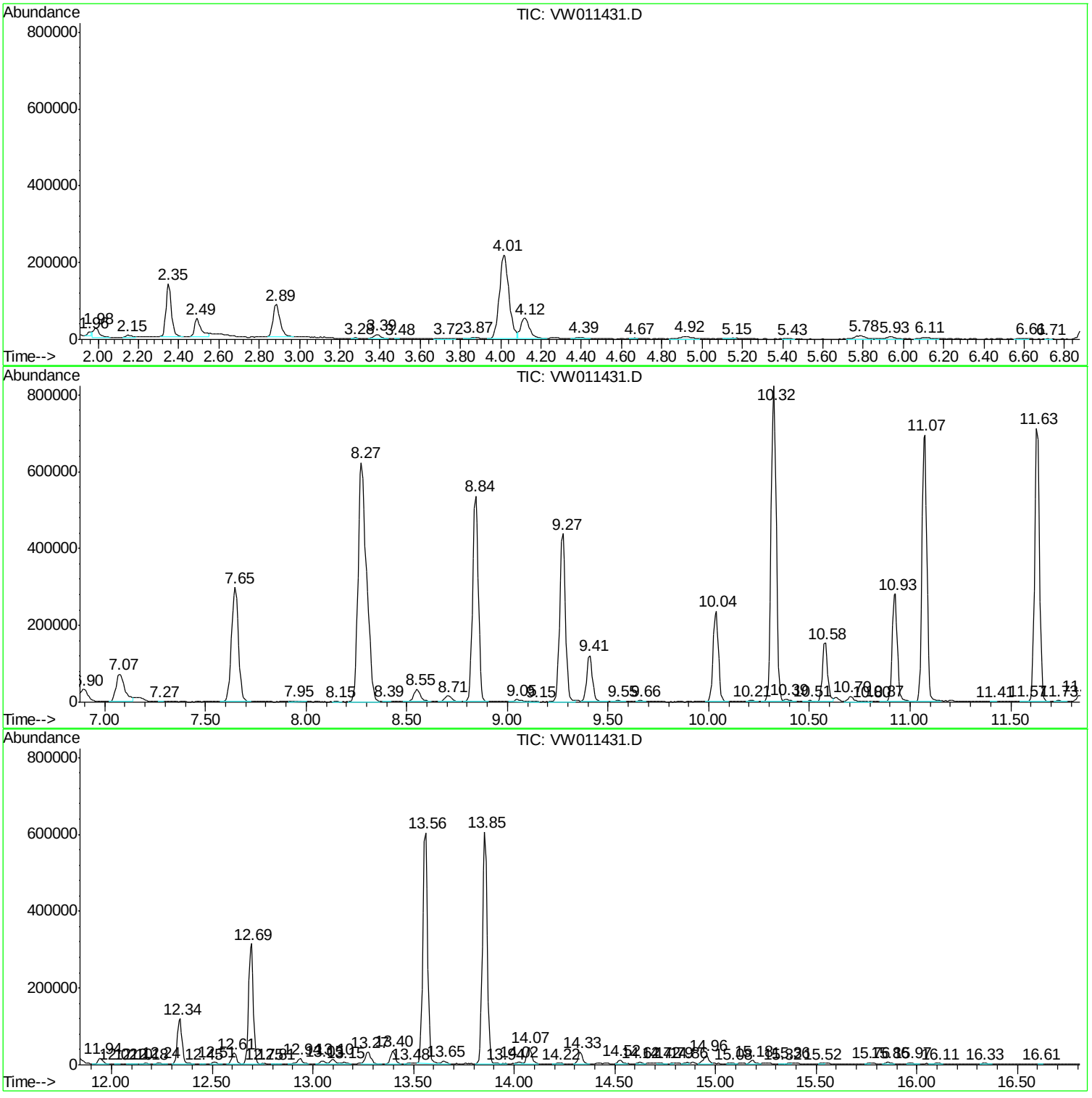
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.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 W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

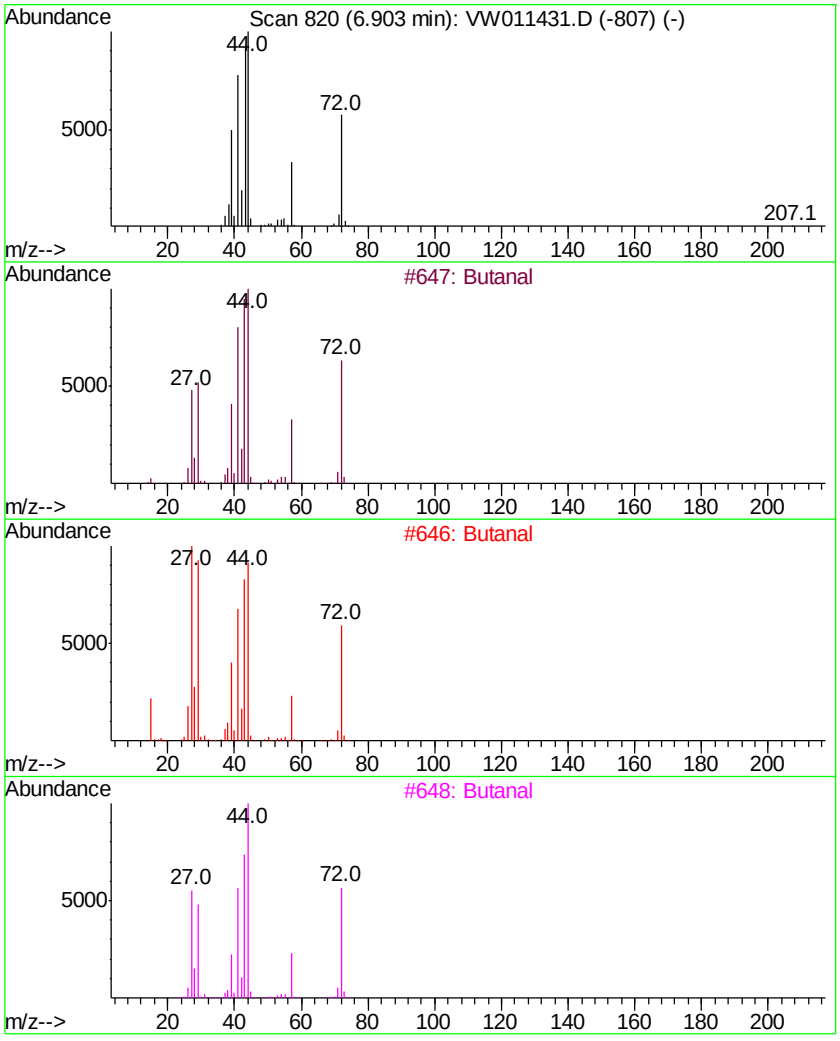
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

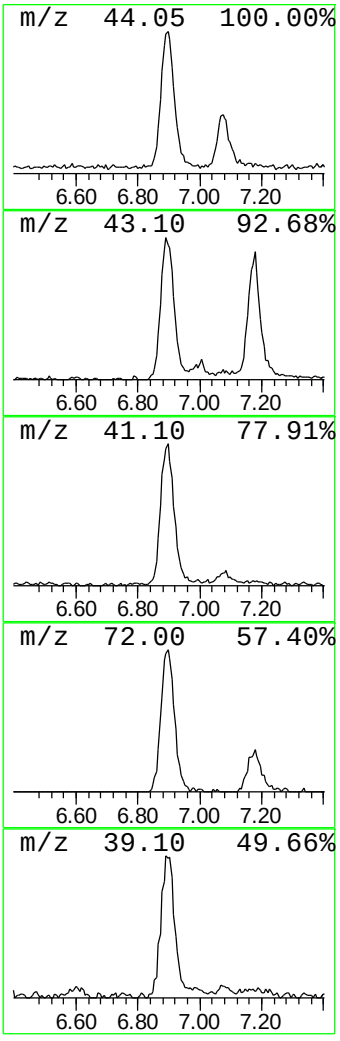
****

Peak Number 2 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	2.38 ug/L	100663	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	91
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	58
4	Butanal	72	C4H8O	000123-72-8	53
5	Propane	44	C3H8	000074-98-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

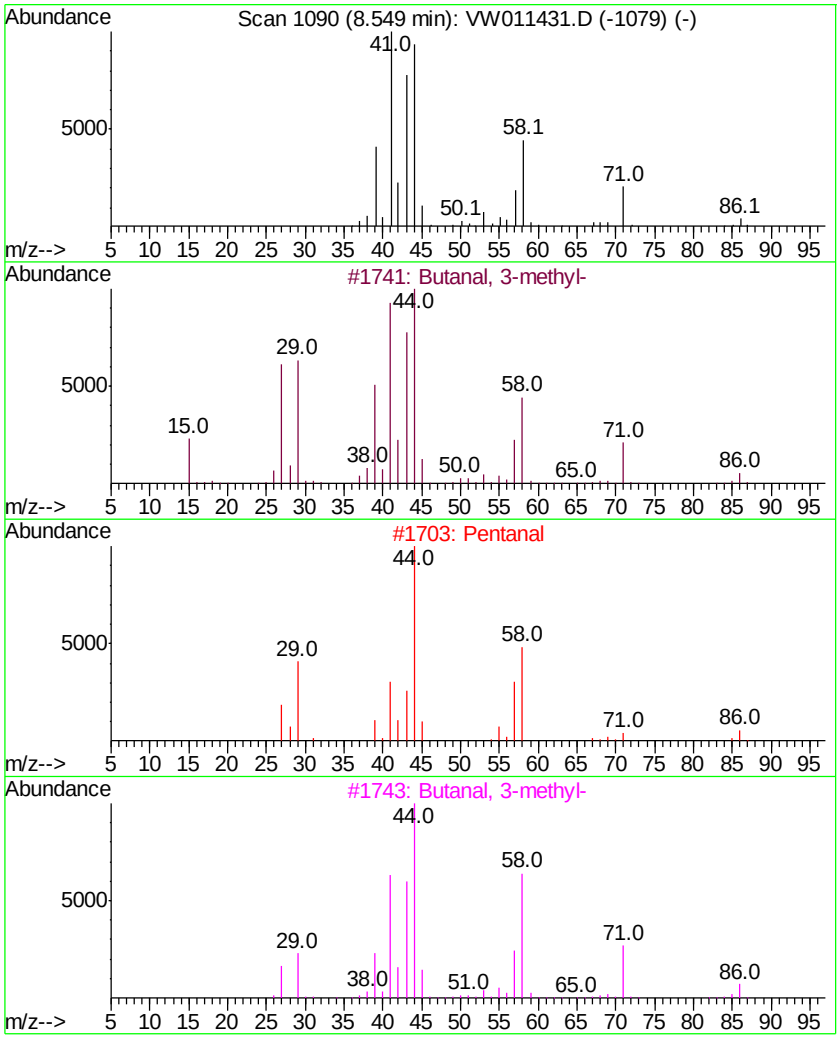
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

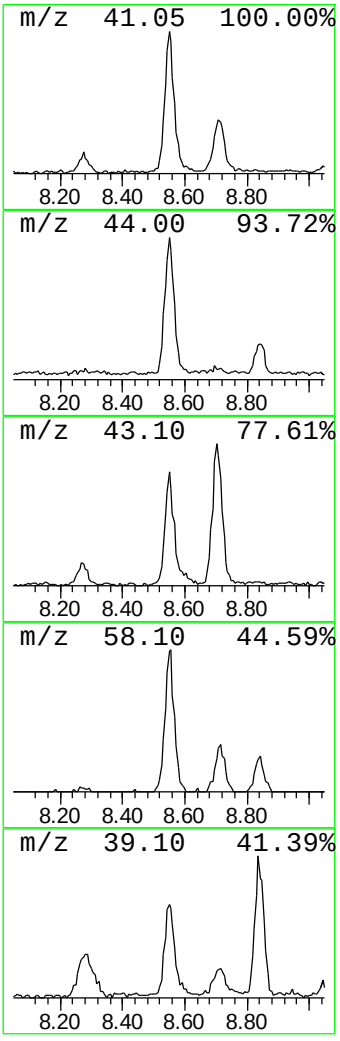
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	1.76 ug/L	74301	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	97
2	Pentanal	86	C5H10O	000110-62-3	49
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	46
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	42
5	Butanal	72	C4H8O	000123-72-8	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

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

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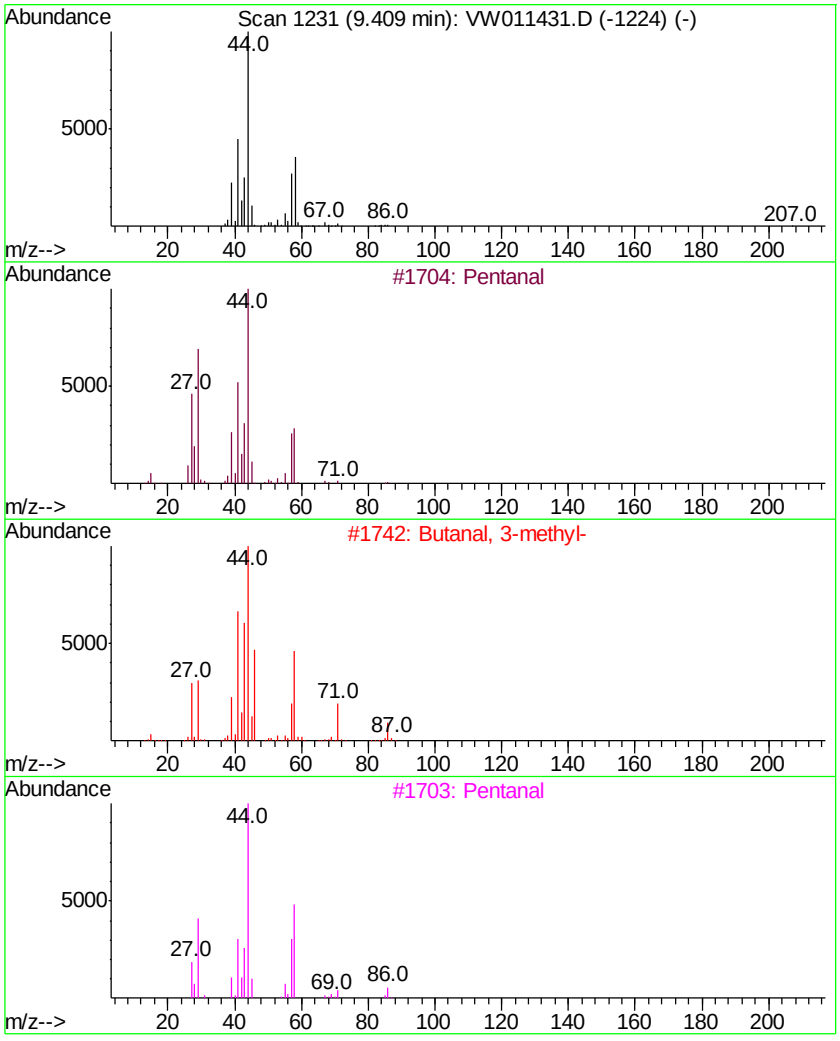
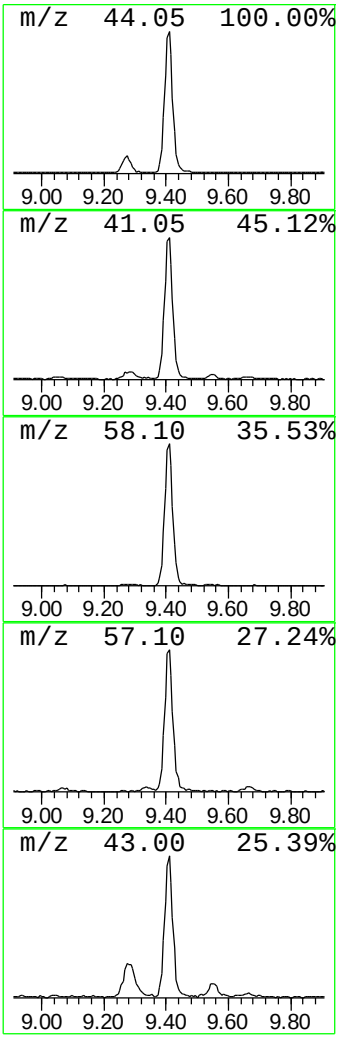
Peak Number 4 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	5.55 ug/L	234239	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
3	Pentanal	86	C5H10O	000110-62-3	56
4	Pentanal	86	C5H10O	000110-62-3	52
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

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

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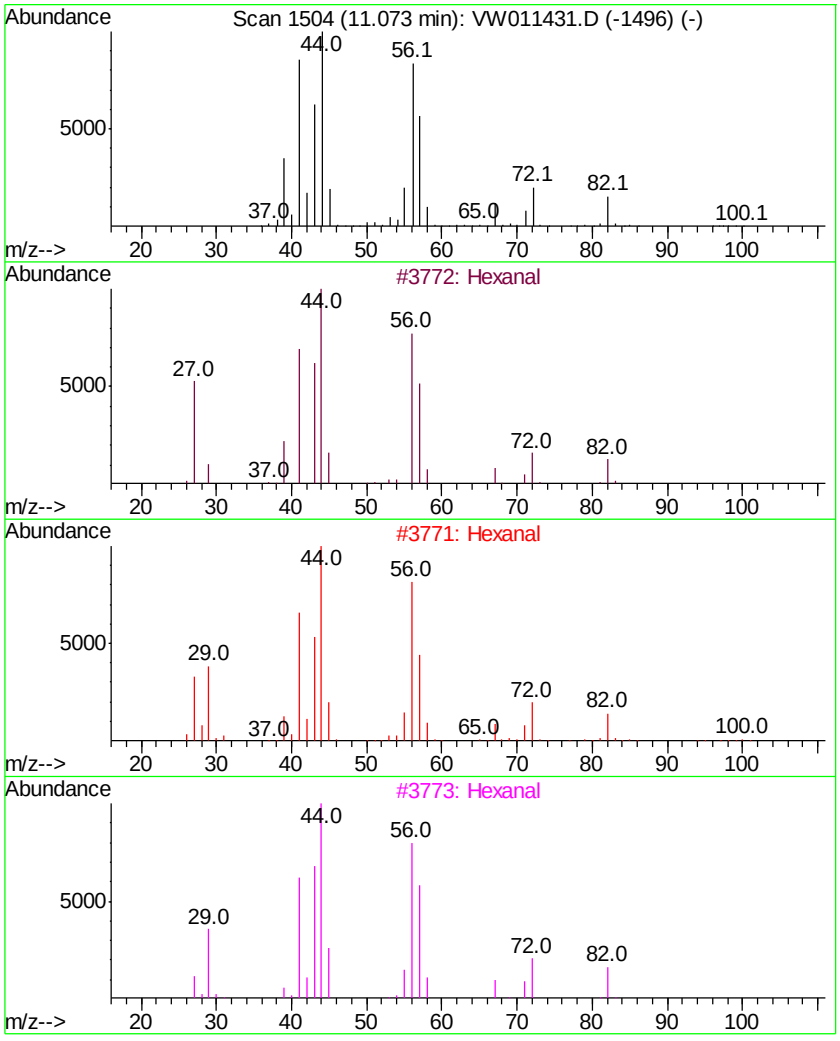
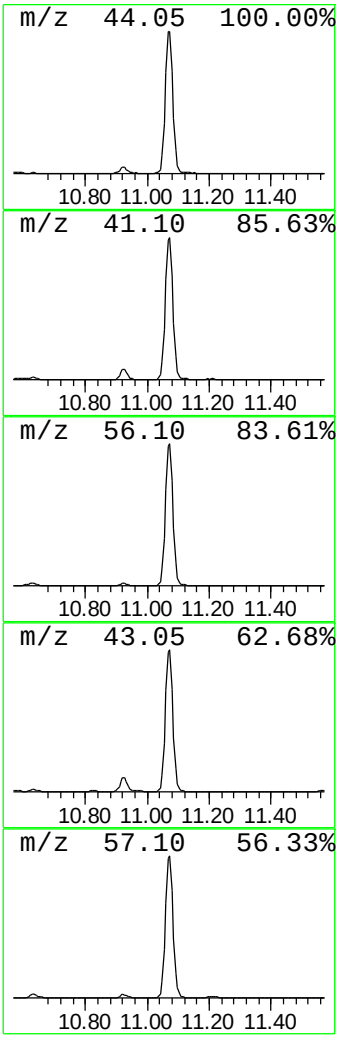
Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	24.48 ug/L	1170470	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	78
5	Butanal	72	C4H8O	000123-72-8	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

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

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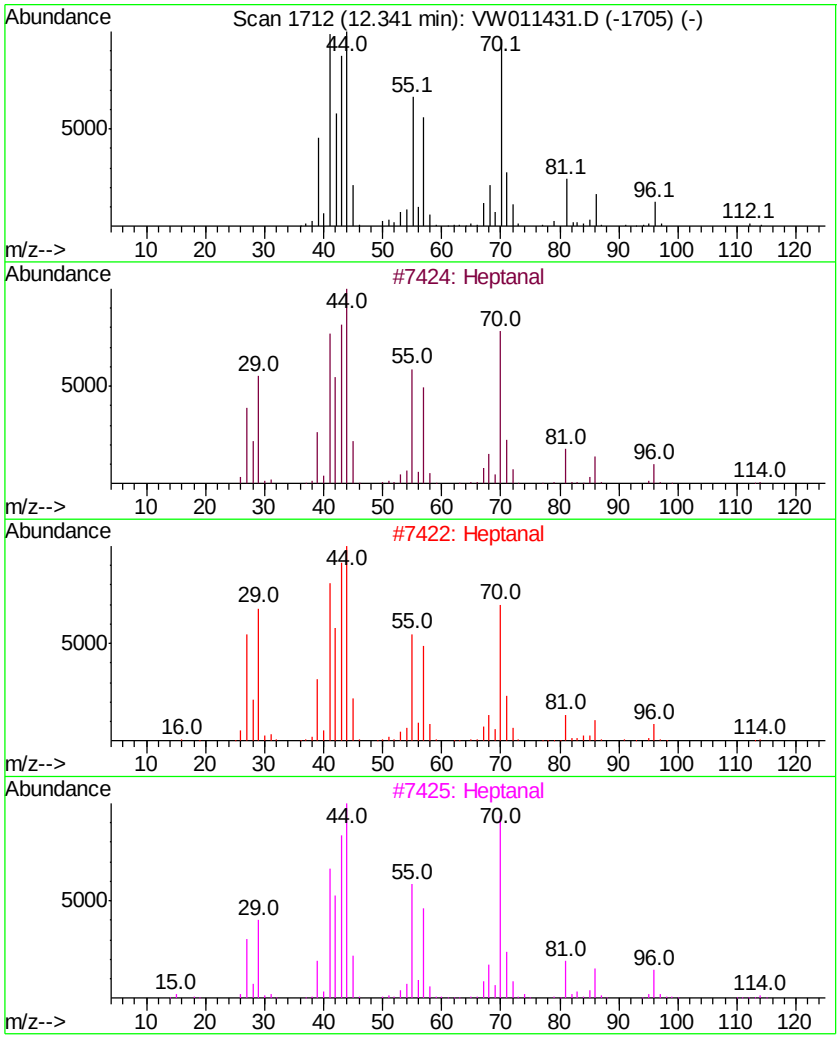
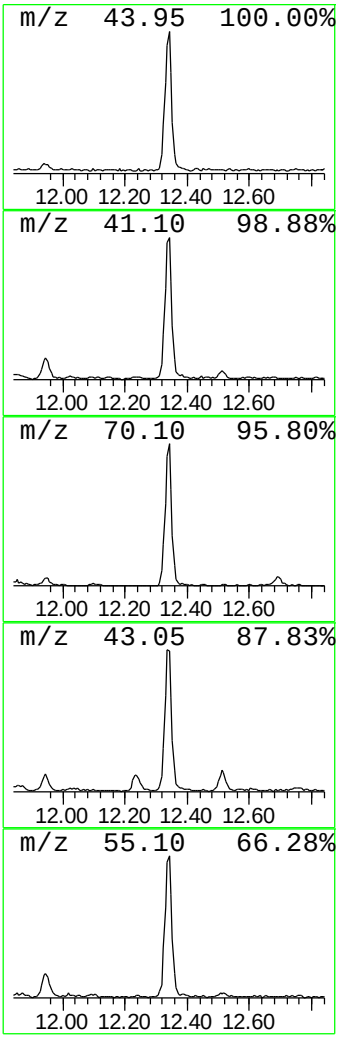
Peak Number 7 Heptanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	4.06 ug/L	194039	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	97
2	Heptanal	114	C7H14O	000111-71-7	93
3	Heptanal	114	C7H14O	000111-71-7	83
4	Heptanal	114	C7H14O	000111-71-7	81
5	Heptanal	114	C7H14O	000111-71-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

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

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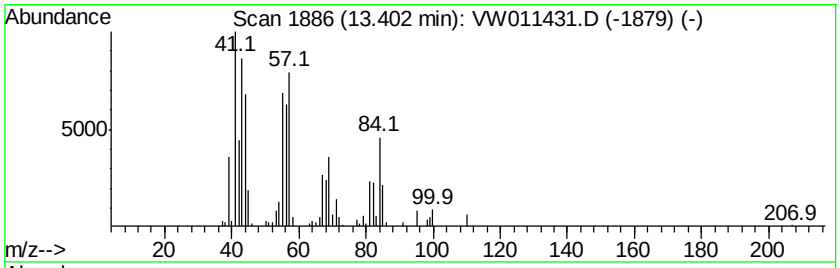
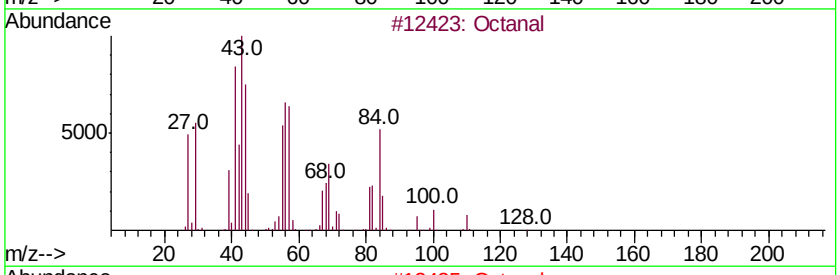
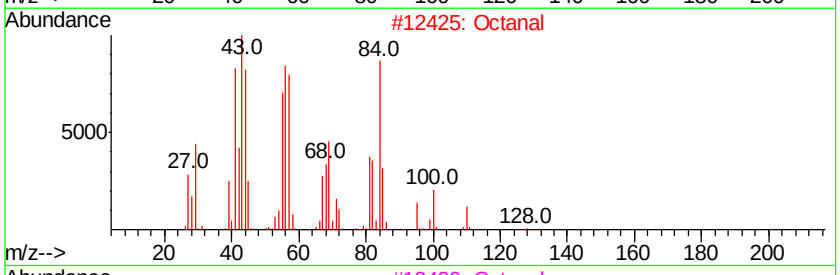
Peak Number 9 Octanal Concentration Rank 10

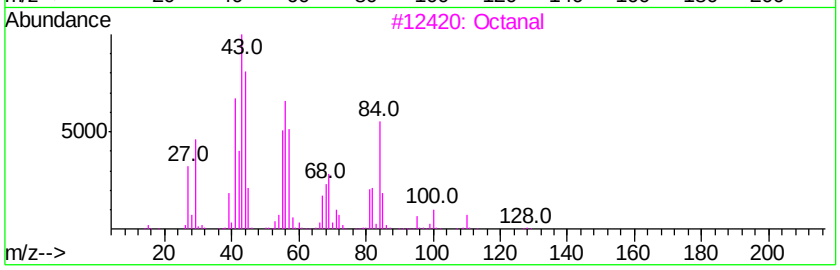
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	1.45 ug/L	57542	1,4-Dichlorobenzene-d4	13.56

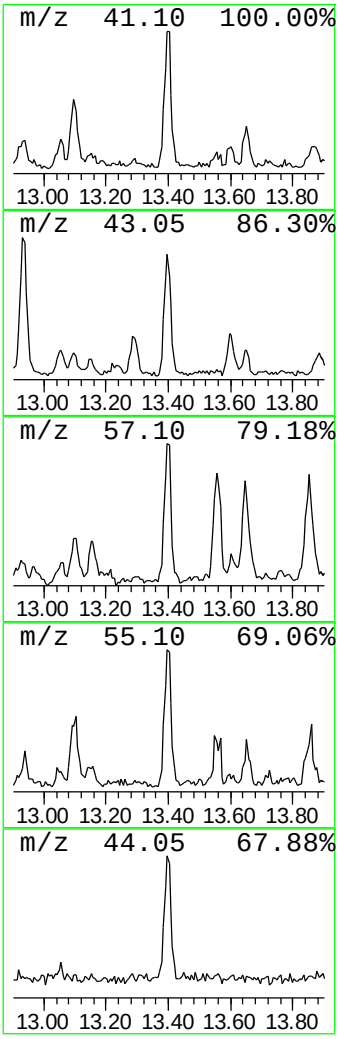
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	90
3	Octanal	128	C8H16O	000124-13-0	87
4	Octanal	128	C8H16O	000124-13-0	87
5	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	43











Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis

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

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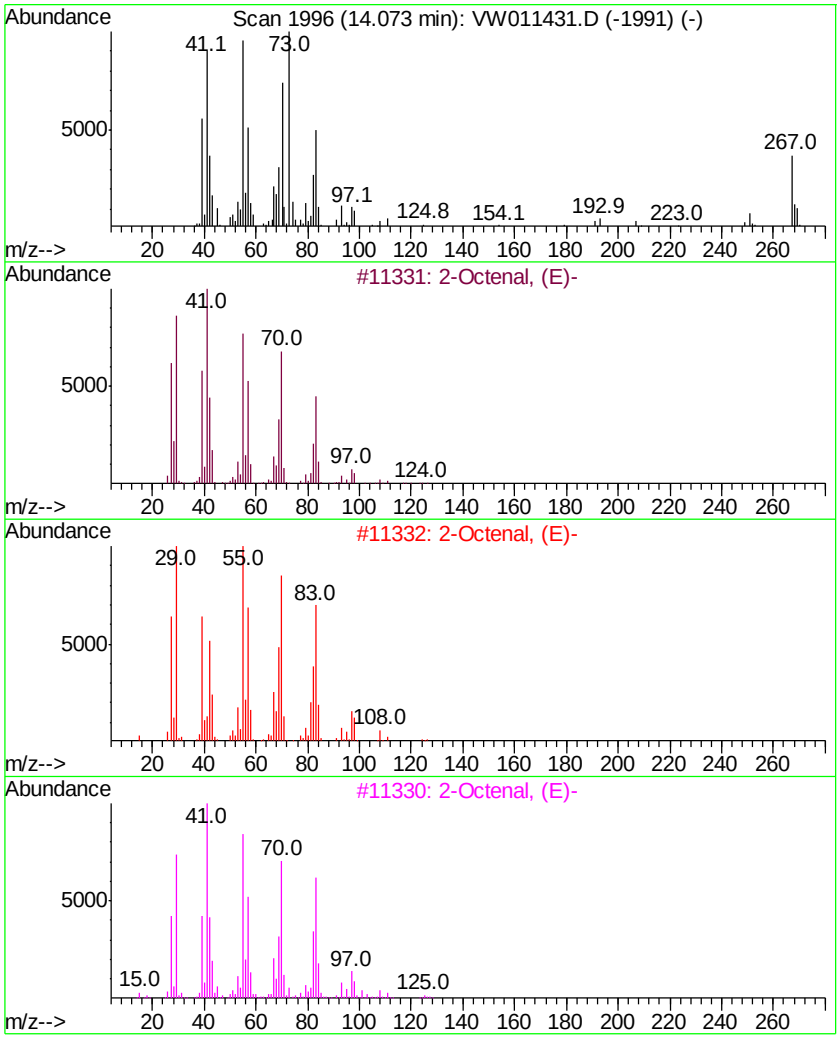
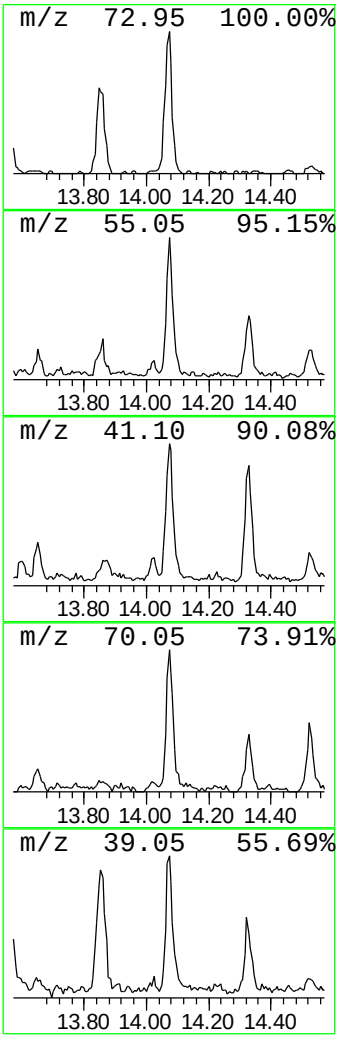
Peak Number 10 2-Octenal, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	1.83 ug/L	72650	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	52
2	2-Octenal, (E)-	126	C8H14O	002548-87-0	38
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	38
4	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	38
5	3-Undecene, 3-methyl-	168	C12H24	023381-94-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072219\
Data File : VW011431.D
Acq On : 22 Jul 2019 20:24
Operator : SY/VA
Sample : K3922-04
Misc : 6.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52F1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.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
Butanal	6.90	2.4	ug/L	100663	1	8.84	1055990	25.0
Butanal, 3-methyl-	8.55	1.8	ug/L	74301	1	8.84	1055990	25.0
Pentanal	9.41	5.5	ug/L	234239	1	8.84	1055990	25.0
Hexanal	11.07	24.5	ug/L	1170470	2	11.63	1195110	25.0
Heptanal	12.34	4.1	ug/L	194039	2	11.63	1195110	25.0
Octanal	13.40	1.5	ug/L	57542	3	13.56	992294	25.0
2-Octenal, (E)-	14.07	1.8	ug/L	72650	3	13.56	992294	25.0