LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

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\SOM2WLM040319S.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	2.318	62	68	70	rBV	90284	135954	0.50%	0.068%
2	2.361	70	75	86	rVB	281066	596834	2.20%	0.300%
3	2.818	143	150	156	rBV	92618	211537	0.78%	0.106%
4	2.891	156	162	176	rVV	91420	261726	0.96%	0.132%
5	3.032	176	185	198	rVB2	119538	319287	1.18%	0.161%
6	3.385	234	243	254	rBV2	143212	386837	1.43%	0.195%
7	3.843	308	318	334	rBV	175975	475711	1.75%	0.239%
8	4.013	334	346	356	rBV2	193921	664954	2.45%	0.334%
9	4.117	356	363	381	rVB	107694	350306	1.29%	0.176%
10	4.952	479	500	528	rBV5	237800	1745459	6.43%	0.878%
11	5.165	529	535	553	rVB2	29278	107720	0.40%	0.054%
12	5.428	564	578	597	rBV	162213	578807	2.13%	0.291%
13	5.757	620	632	648	rVB6	26254	108680	0.40%	0.055%
14	5.934	648	661	674	rBV	234975	690858	2.55%	0.347%
15	6.220	698	708	712	rBV3	36368	106449	0.39%	0.054%
16	6.281	713	718	729	rVB2	68048	192154	0.71%	0.097%
17	6.720	780	790	803	rBV3	48787	153473	0.57%	0.077%
18	6.976	820	832	841	rVV3	258212	885640	3.26%	0.445%
19	7.074	841	848	856	rVV2	85008	274398	1.01%	0.138%
20	7.171	858	864	877	rVB2	37475	117894	0.43%	0.059%
21	7.647	932	942	958	rBV	388288	1090244	4.02%	0.548%
22	7.921	978	987	999	rBV3	329584	1267868	4.67%	0.638%
23	8.031	999	1005	1017	rVB	122320	330095	1.22%	0.166%
24	8.153	1017	1025	1032	rBV	382624	843001	3.11%	0.424%
25	8.275	1033	1045	1048	rBV	656352	1526444	5.62%	0.768%
26	8.317	1048	1052	1062	rVB3	794653	1801014	6.64%	0.906%
27	8.433	1062	1071	1073	rBV5	125764	284493	1.05%	0.143%
28	8.494	1073	1081	1089	rVB3	306820	989322	3.65%	0.497%
29	8.573	1089	1094	1104	rVB	108401	269784	0.99%	0.136%
30	8.695	1104	1114	1126	rVB	371426	844773	3.11%	0.425%
31	8.842	1128	1138	1144	rBV	761599	1660067	6.12%	0.835%
32	9.110	1179	1182	1195	rVB4	45569	128084	0.47%	0.064%
33	9.274	1198	1209	1214	rBV	521972	1163206	4.29%	0.585%
34	9.329	1214	1218	1224	rVV	485800	1017470	3.75%	0.512%

LSC Area Percent Report

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Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

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\SOM2WLM040319S.M
Title : VOC Analysis

35	9.384	1224	1227	1235	rVB	128256	222726	0.82%	0.112%
36	9.537	1243	1252	1260	rBV	606679	1302458	4.80%	0.655%
37	9.756	1282	1288	1298	rVB	235483	483380	1.78%	0.243%
38	9.848	1298	1303	1306	rBV2	90845	170141	0.63%	0.086%
39	9.896	1306	1311	1316	rVB2	274622	520002	1.92%	0.261%
40	9.957	1316	1321	1325	rBV	198688	328433	1.21%	0.165%
41	10.037	1329	1334	1338	rVB	192988	306470	1.13%	0.154%
42	10.098	1338	1344	1356	rVB	244736	531685	1.96%	0.267%
43	10.207	1356	1362	1366	rBV2	163211	296516	1.09%	0.149%
44	10.323	1374	1381	1386	rBV	896713	1623384	5.98%	0.816%
45	10.390	1386	1392	1399	rVB	2692995	4790488	17.65%	2.409%
46	10.506	1404	1411	1417	rVV3	302982	637540	2.35%	0.321%
47	10.579	1417	1423	1433	rVB2	183010	356790	1.31%	0.179%
48	10.750	1445	1451	1460	rBV6	81996	230256	0.85%	0.116%
49	10.841	1461	1466	1473	rVB4	55418	126031	0.46%	0.063%
50	10.927	1473	1480	1488	rBV2	350631	690127	2.54%	0.347%
51	11.408	1551	1559	1571	rVB3	139770	371864	1.37%	0.187%
52	11.512	1571	1576	1586	rBV	114530	220114	0.81%	0.111%
53	11.634	1589	1596	1605	rBV	696153	1254492	4.62%	0.631%
54	11.731	1605	1612	1620	rVB	7151043	11115534	40.96%	5.589%
55	11.835	1621	1629	1640	rVB	14843757	27138344	100.00%	13.646%
56	12.164	1672	1683	1692	rBV	7154171	11871691	43.75%	5.969%
57	12.463	1726	1732	1738	rVV	857850	1401033	5.16%	0.704%
58	12.524	1738	1742	1747	rVV3	65248	142489	0.53%	0.072%
59	12.695	1765	1770	1777	rVB	284924	469375	1.73%	0.236%
60	12.804	1781	1788	1793	rVV	2308073	3596293	13.25%	1.808%
61	12.871	1793	1799	1802	rVV	9161222	15077377	55.56%	7.581%
62	12.902	1802	1804	1807	rVV	4260615	5383746	19.84%	2.707%
63	12.945	1807	1811	1818	rVB	5863977	8862253	32.66%	4.456%
64	13.036	1822	1826	1830	rBV	118038	172654	0.64%	0.087%
65	13.103	1830	1837	1844	rBV	3631447	5872911	21.64%	2.953%
66	13.255	1855	1862	1874	rVB	17459816	26708948	98.42%	13.430%
67	13.384	1874	1883	1888	rBV2	222761	566880	2.09%	0.285%
68	13.444	1888	1893	1898	rVV	371625	544476	2.01%	0.274%
69	13.499	1898	1902	1907	rVB	131254	194973	0.72%	0.098%
70	13.591	1907	1917	1926	rBV	4730713	7962807	29.34%	4.004%
71	13.725	1932	1939	1940	rBV	772972	1077410	3.97%	0.542%

LSC Area Percent Report

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Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

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\SOM2WLM040319S.M
Title : VOC Analysis

72	13.755	1940	1944	1947	rVV3	2987742	5001081	18.43%	2.515%
73	13.792	1947	1950	1958	rVV2	2382667	4363796	16.08%	2.194%
74	13.853	1958	1960	1963	rVB	107455	145891	0.54%	0.073%
75	13.950	1970	1976	1981	rBV	610846	913127	3.36%	0.459%
76	14.011	1981	1986	1989	rVV	1295189	2168217	7.99%	1.090%
77	14.042	1989	1991	1996	rVV	1222050	1669203	6.15%	0.839%
78	14.103	1996	2001	2006	rVV	2160163	3285419	12.11%	1.652%
79	14.164	2006	2011	2014	rVV	199267	307751	1.13%	0.155%
80	14.213	2014	2019	2024	rVV2	777600	1314941	4.85%	0.661%
81	14.341	2035	2040	2045	rVV	513640	775186	2.86%	0.390%
82	14.420	2045	2053	2056	rVV	1300449	2064957	7.61%	1.038%
83	14.463	2056	2060	2064	rVV	1977694	2961393	10.91%	1.489%
84	14.505	2064	2067	2070	rVV	301857	426241	1.57%	0.214%
85	14.542	2070	2073	2081	rVV2	167268	285841	1.05%	0.144%
86	14.645	2086	2090	2093	rVV	153015	217710	0.80%	0.109%
87	14.694	2093	2098	2102	rVV	669228	1142773	4.21%	0.575%
88	14.737	2102	2105	2109	rVB2	237909	342401	1.26%	0.172%
89	14.810	2109	2117	2122	rBV3	1170600	2690765	9.91%	1.353%
90	14.865	2122	2126	2133	rVV	196494	364270	1.34%	0.183%
91	14.962	2137	2142	2150	rBV2	92372	184978	0.68%	0.093%
92	15.072	2154	2160	2171	rVV3	411087	1086622	4.00%	0.546%
93	15.182	2172	2178	2185	rVB3	235380	521219	1.92%	0.262%
94	15.371	2197	2209	2215	rBV	600415	1137650	4.19%	0.572%
95	15.475	2223	2226	2232	rVB3	66948	117855	0.43%	0.059%
96	15.560	2237	2240	2249	rVB2	91583	172305	0.63%	0.087%
97	15.664	2250	2257	2263	rBV2	100734	196985	0.73%	0.099%
98	15.828	2276	2284	2288	rBV5	54594	147756	0.54%	0.074%
99	16.450	2379	2386	2392	rBV	179357	377813	1.39%	0.190%
100	16.651	2412	2419	2432	rBV2	92595	287403	1.06%	0.145%

Sum of corrected areas: 198874183

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\
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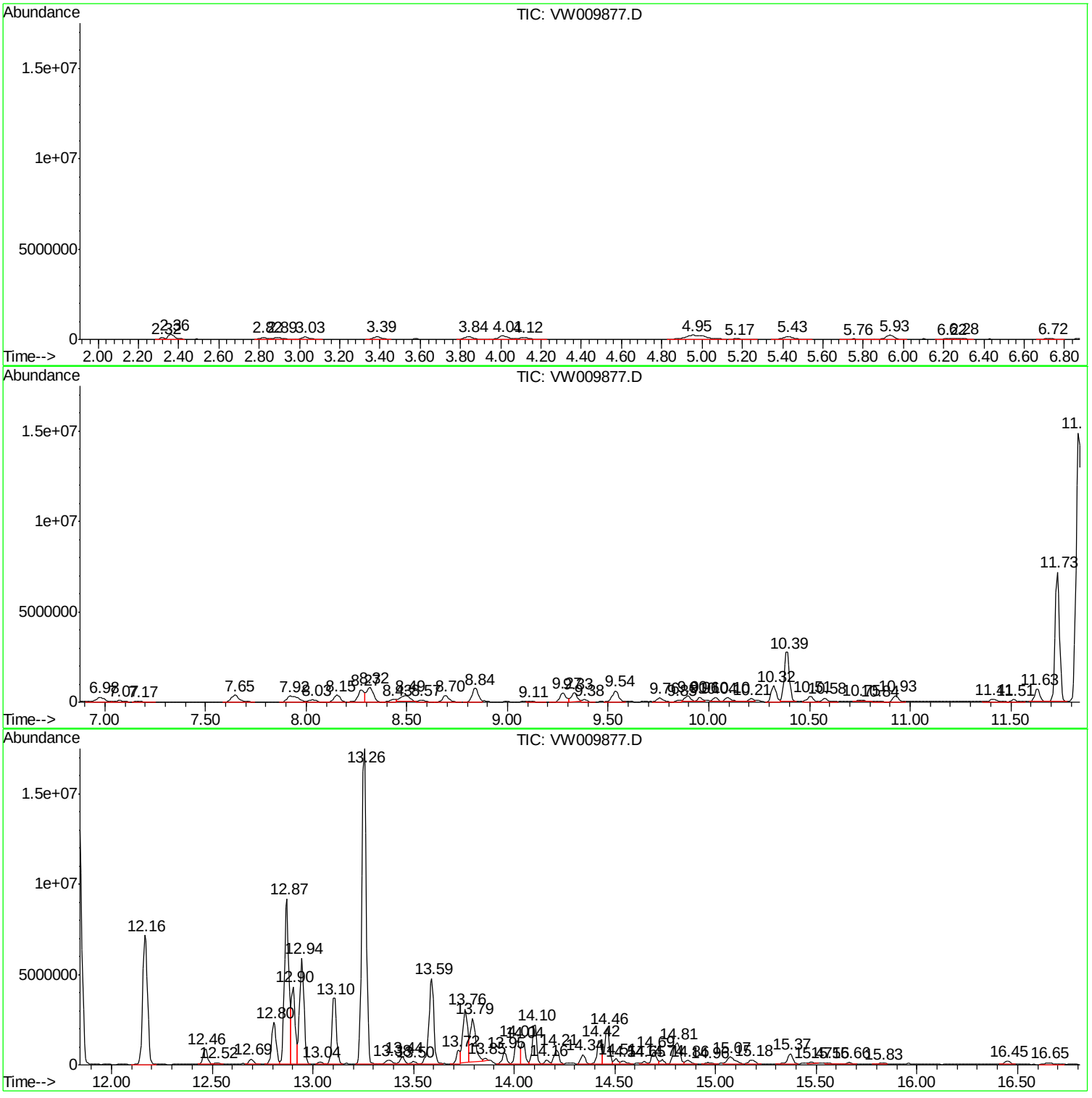
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.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\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

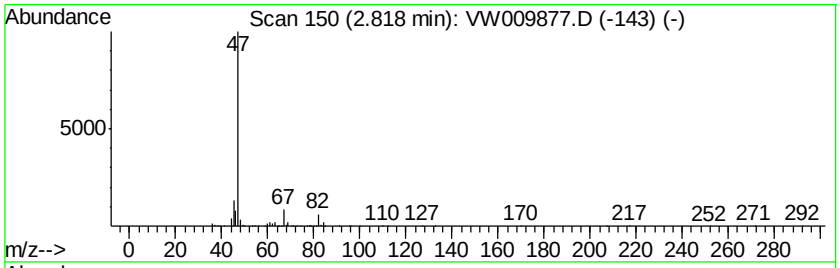
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

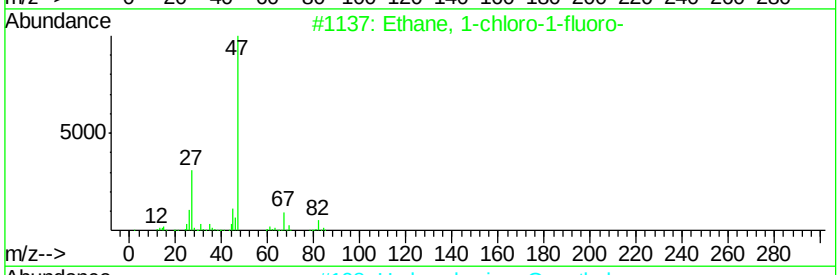
****

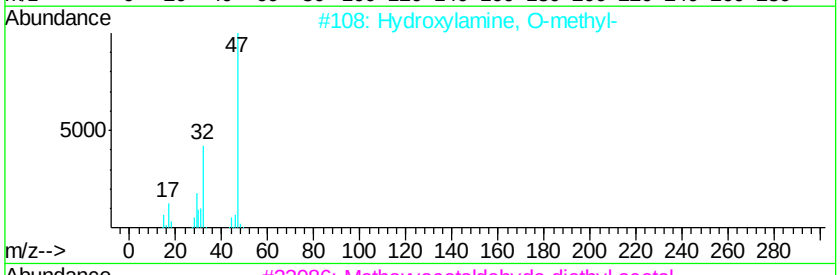
Peak Number 1 Ethane, 1-chloro-1-fluoro- Concentration Rank 41

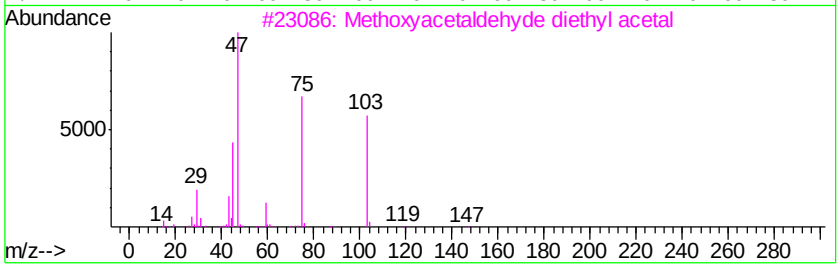
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.82	3.19 ug/L	211537	1,4-Difluorobenzene	8.84

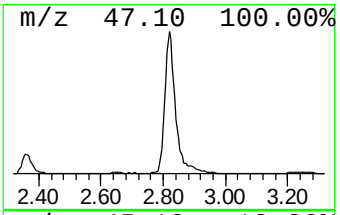
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-chloro-1-fluoro-	82	C2H4ClF	001615-75-4	90
2	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	45
3	Methoxyacetaldehyde diethyl acetal	148	C7H16O3	004819-75-4	9
4	N-Carbethoxy-N-methoxyamine	119	C4H9NO3	003871-28-1	9
5	Propane, 2-fluoro-	62	C3H7F	000420-26-8	7

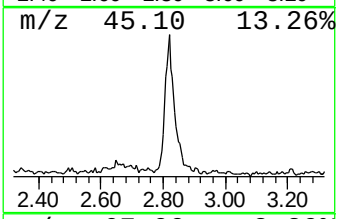


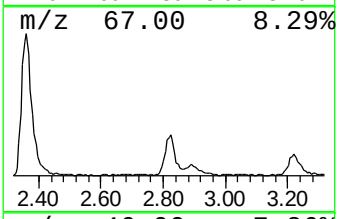


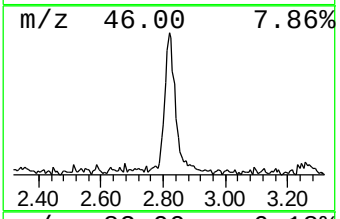


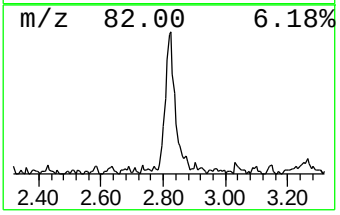












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ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

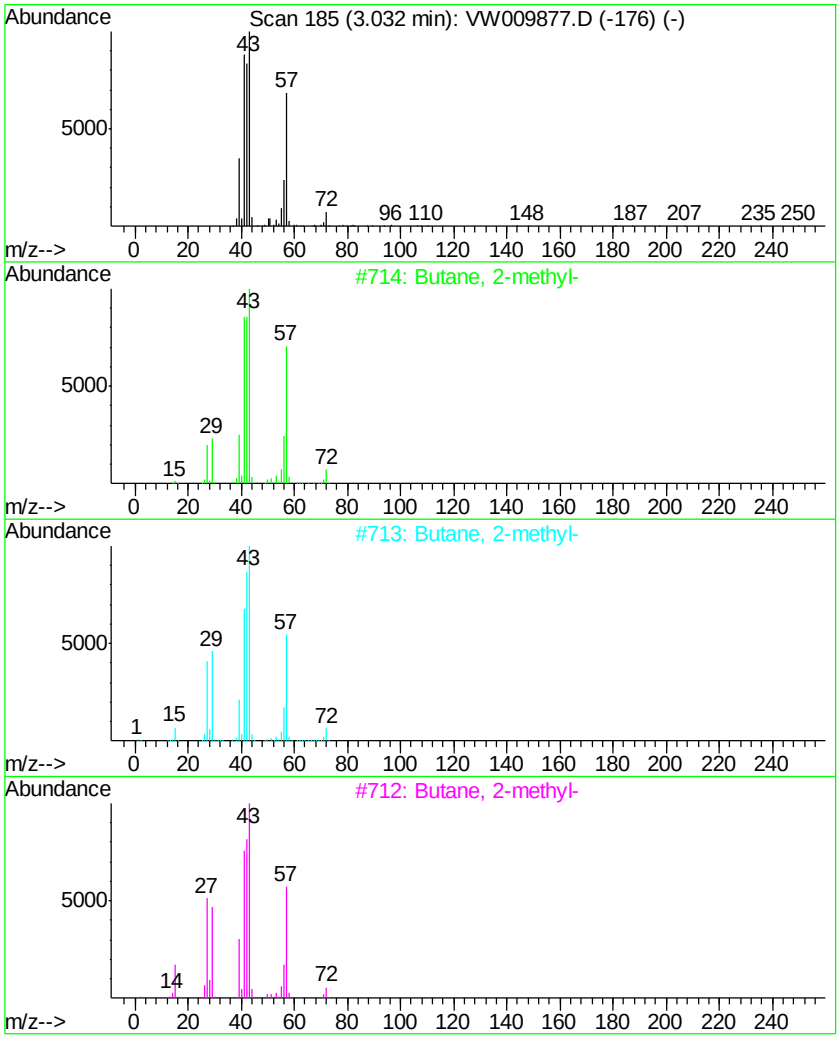
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

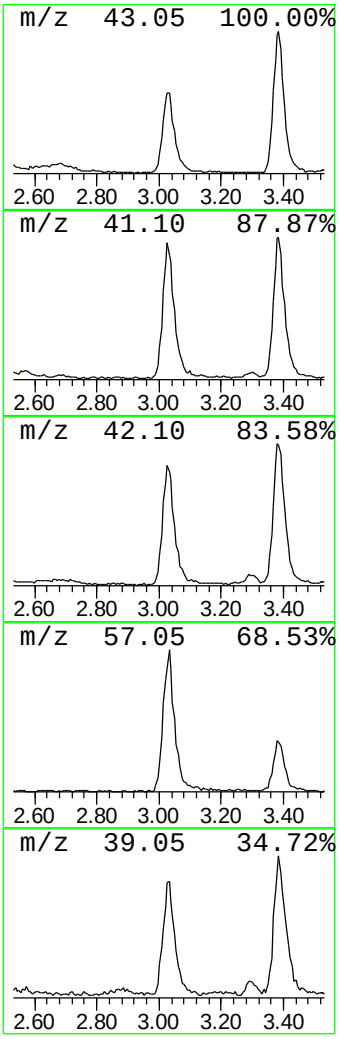
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	4.81 ug/L	319287	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	87
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

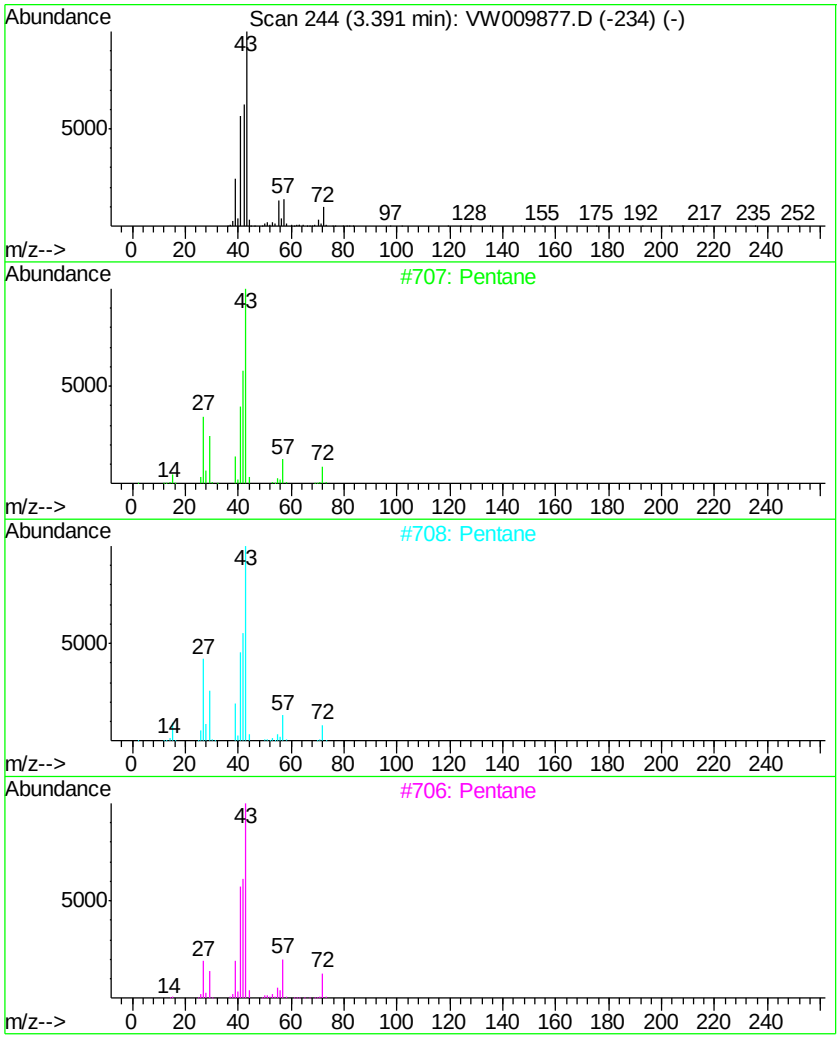
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

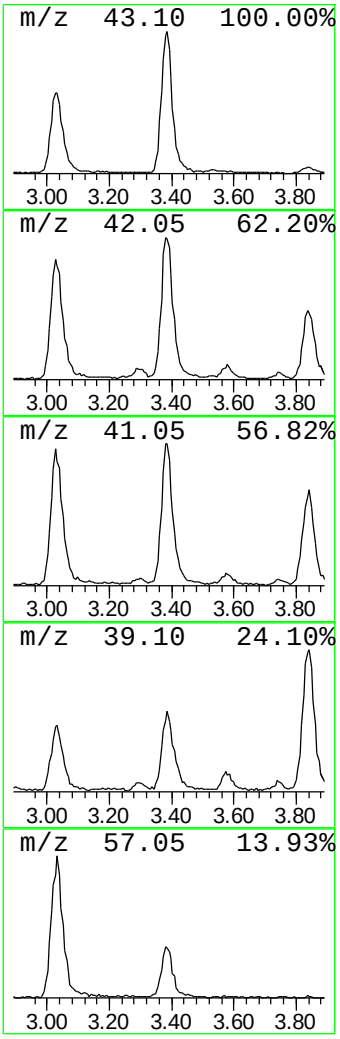
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	5.83 ug/L	386837	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

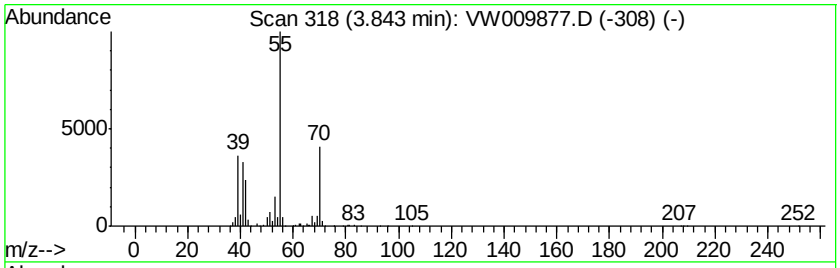
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

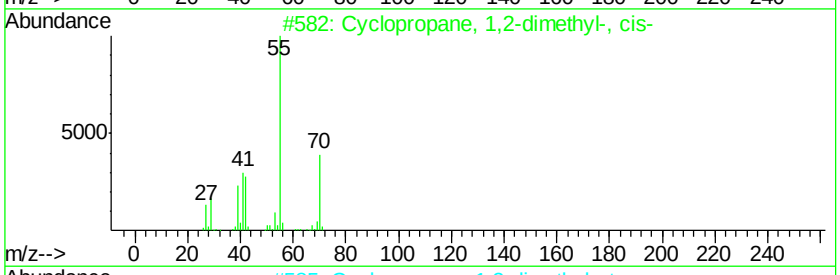
****

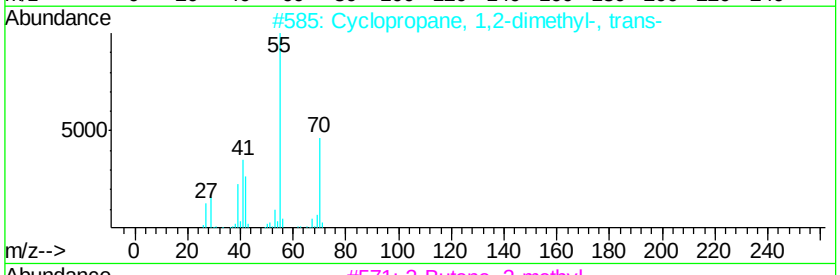
Peak Number 4 (DEL) Alkane: Cyclic3.84 Concentration Rank 24

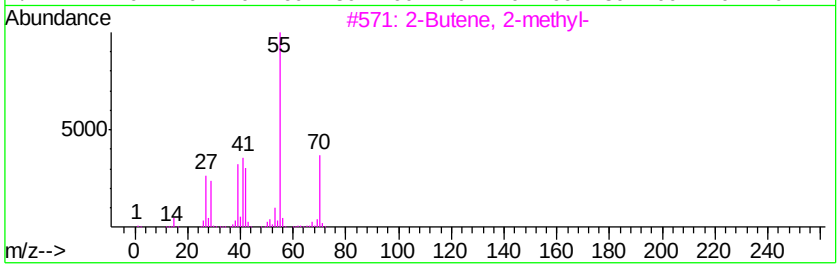
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.84	7.16 ug/L	475711	1,4-Difluorobenzene	8.84

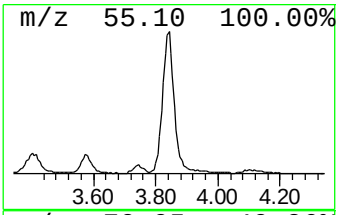
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	83
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	81

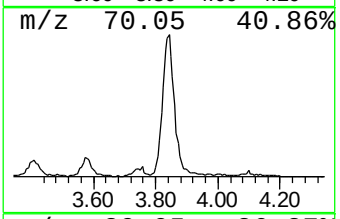


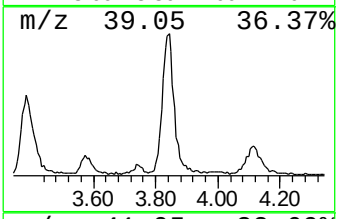


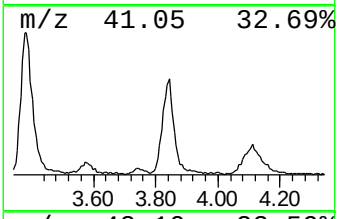


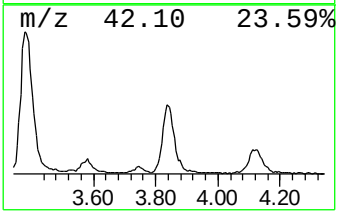












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

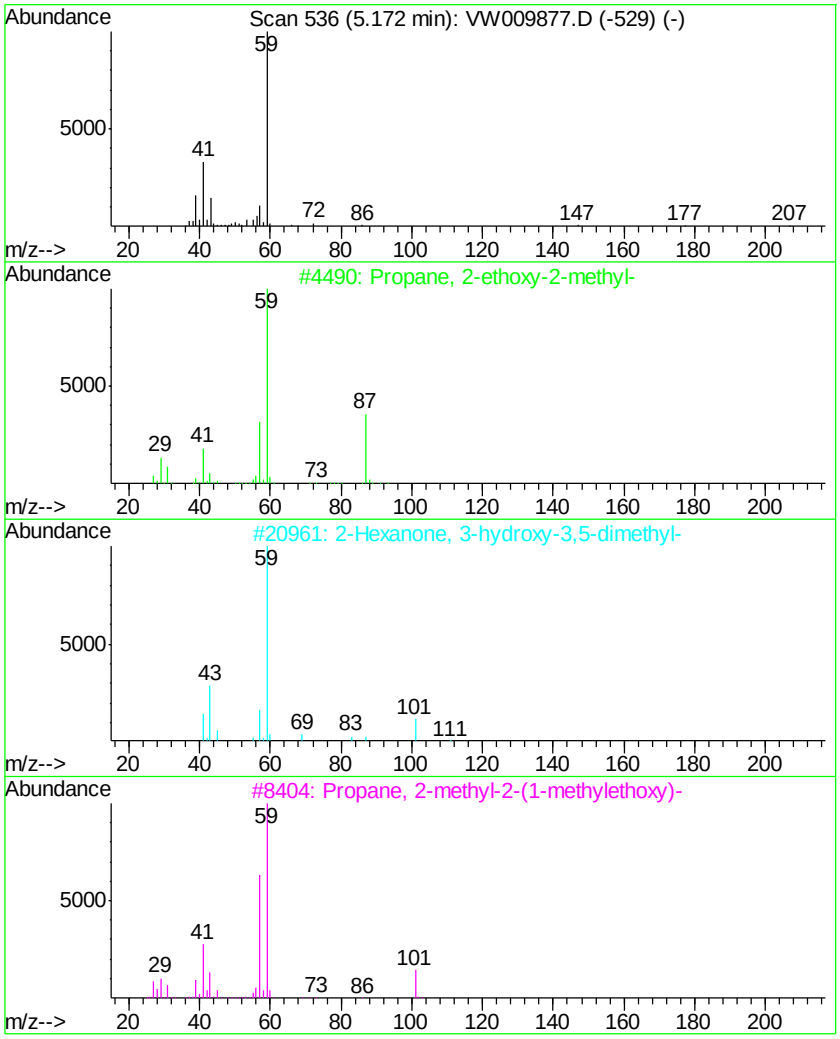
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

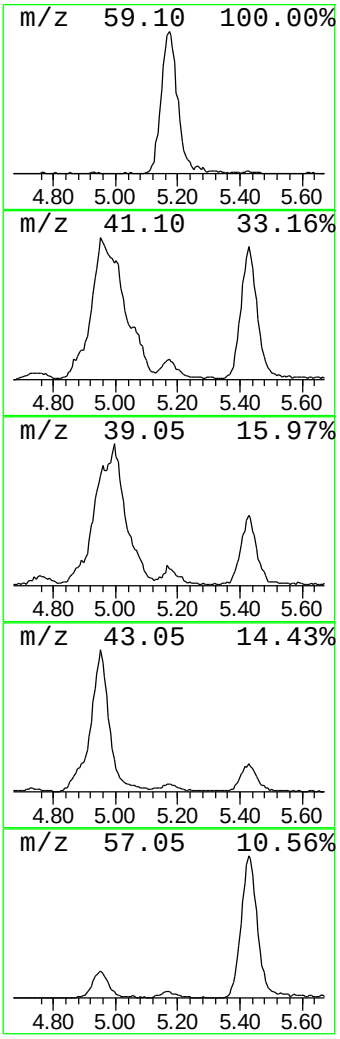
****

Peak Number 5 Propane, 2-ethoxy-2-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	1.62 ug/L	107720	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	45
2	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	38
4	1,2-Butanediol	90	C4H10O2	000584-03-2	9
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	9





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

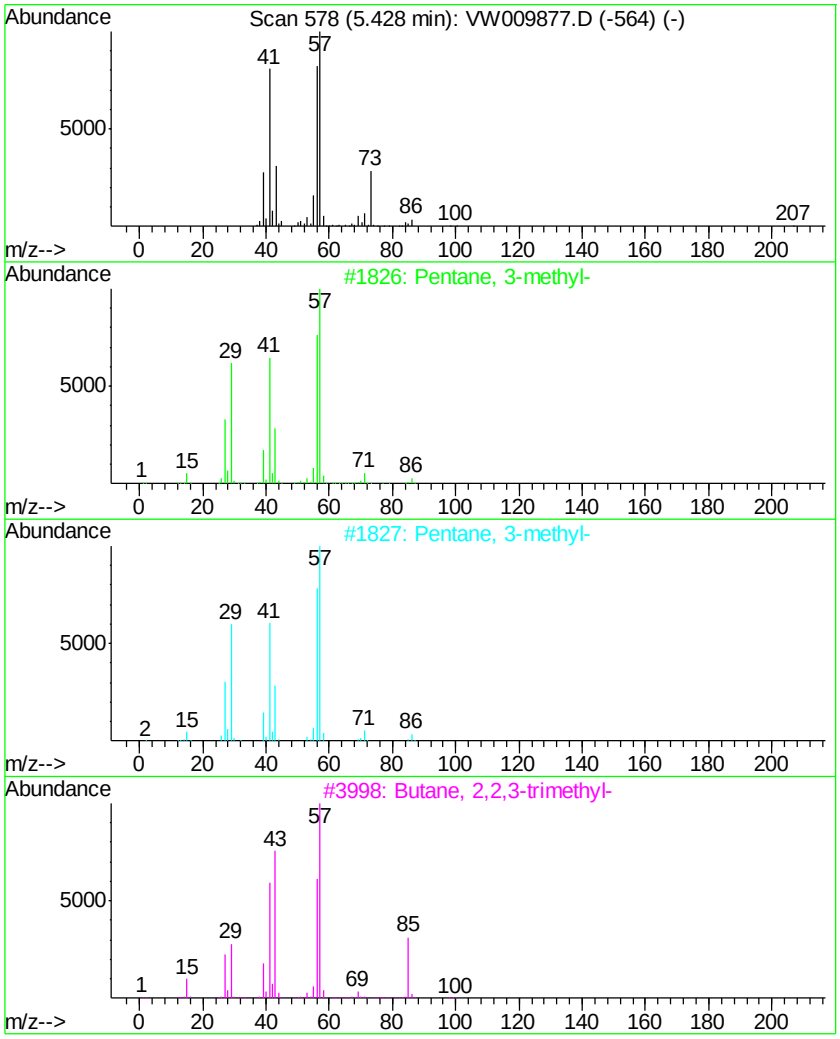
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

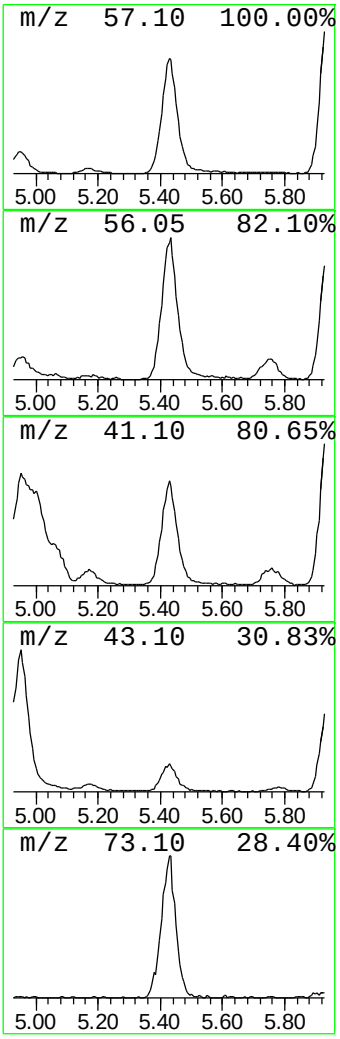
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	8.72 ug/L	578807	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

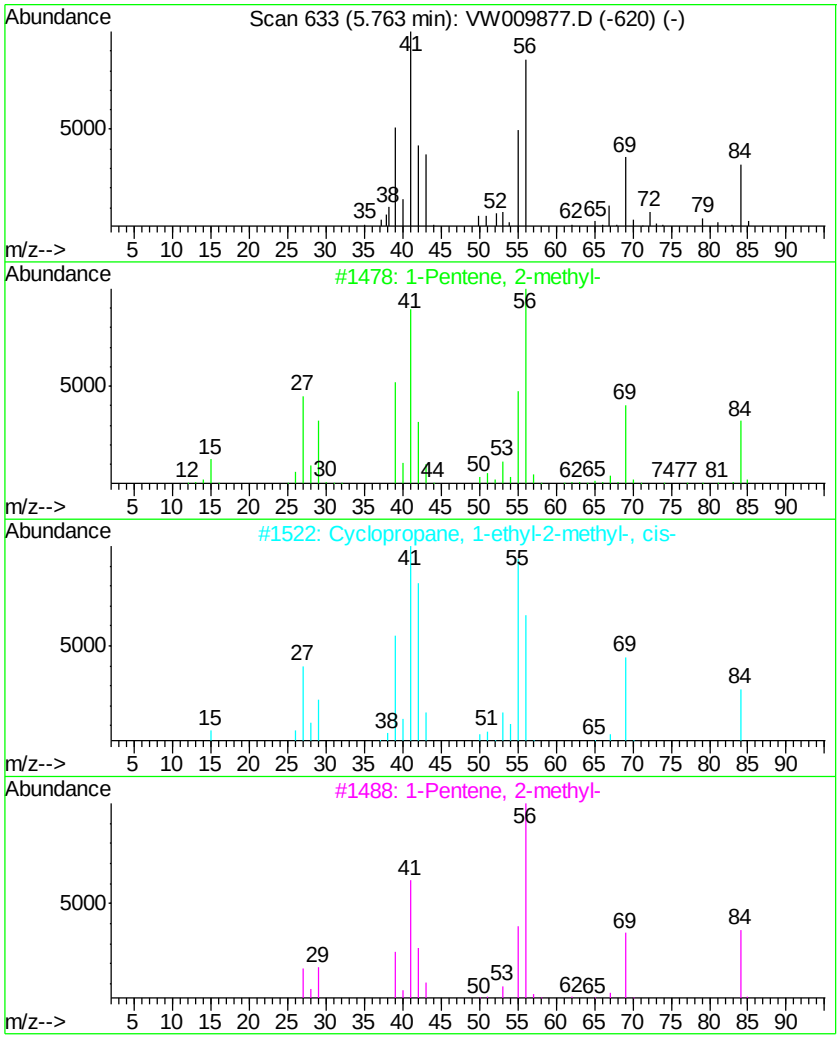
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

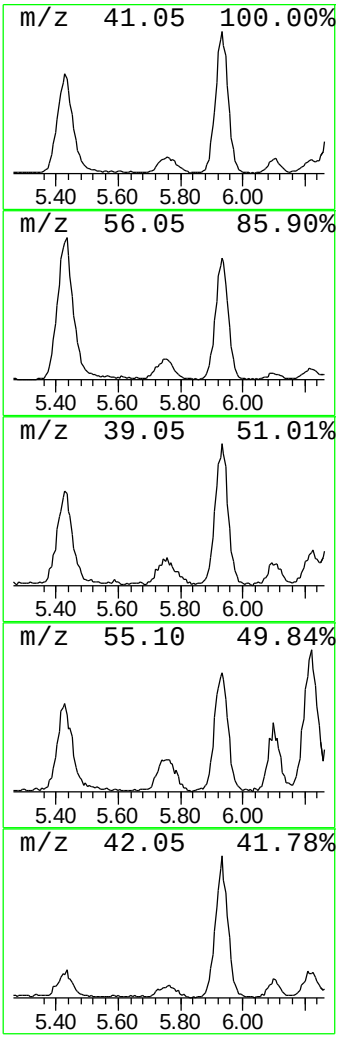
****

Peak Number 7 (DEL) Alkane: Cyclic5.76 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	1.64 ug/L	108680	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
2	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	81
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
4	1-Hexene	84	C6H12	000592-41-6	59
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	58





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

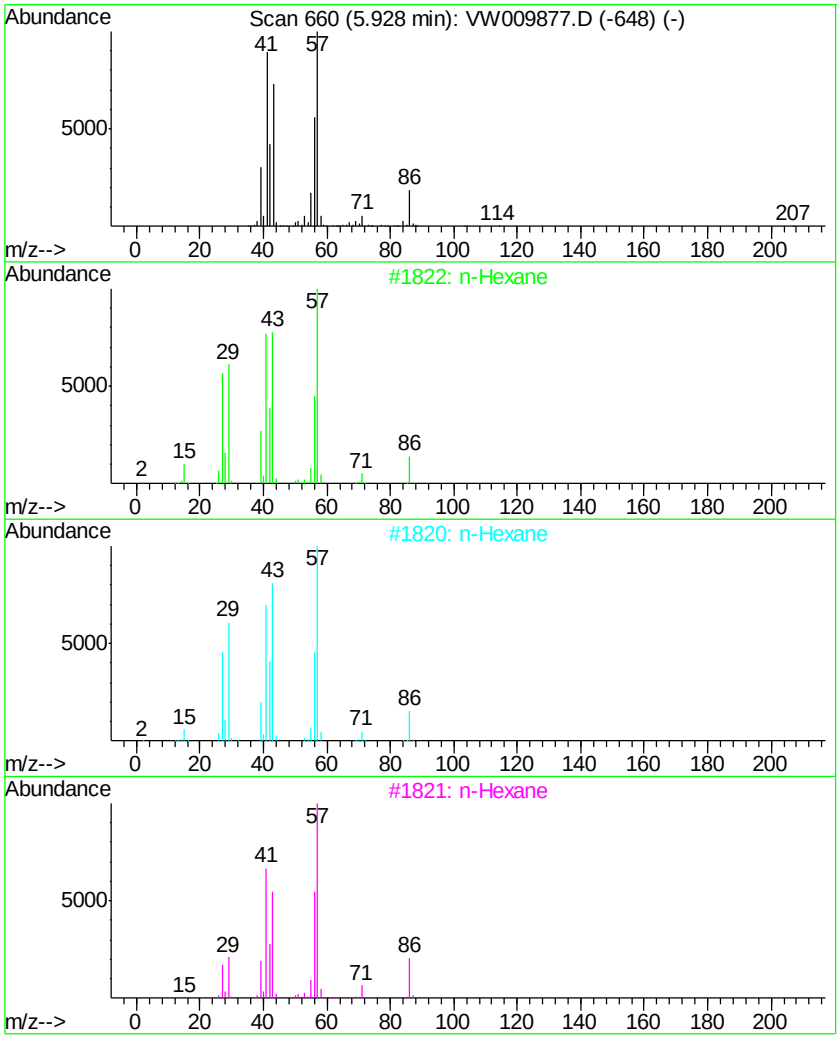
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

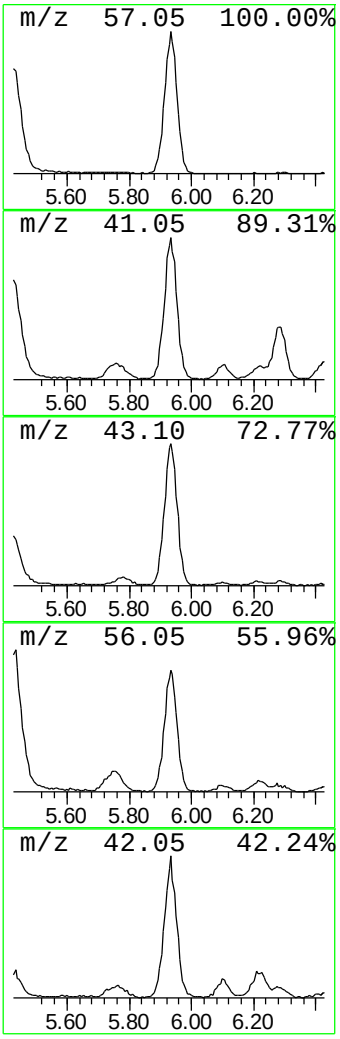
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	10.40 ug/L	690858	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	90
3	n-Hexane	86	C6H14	000110-54-3	81
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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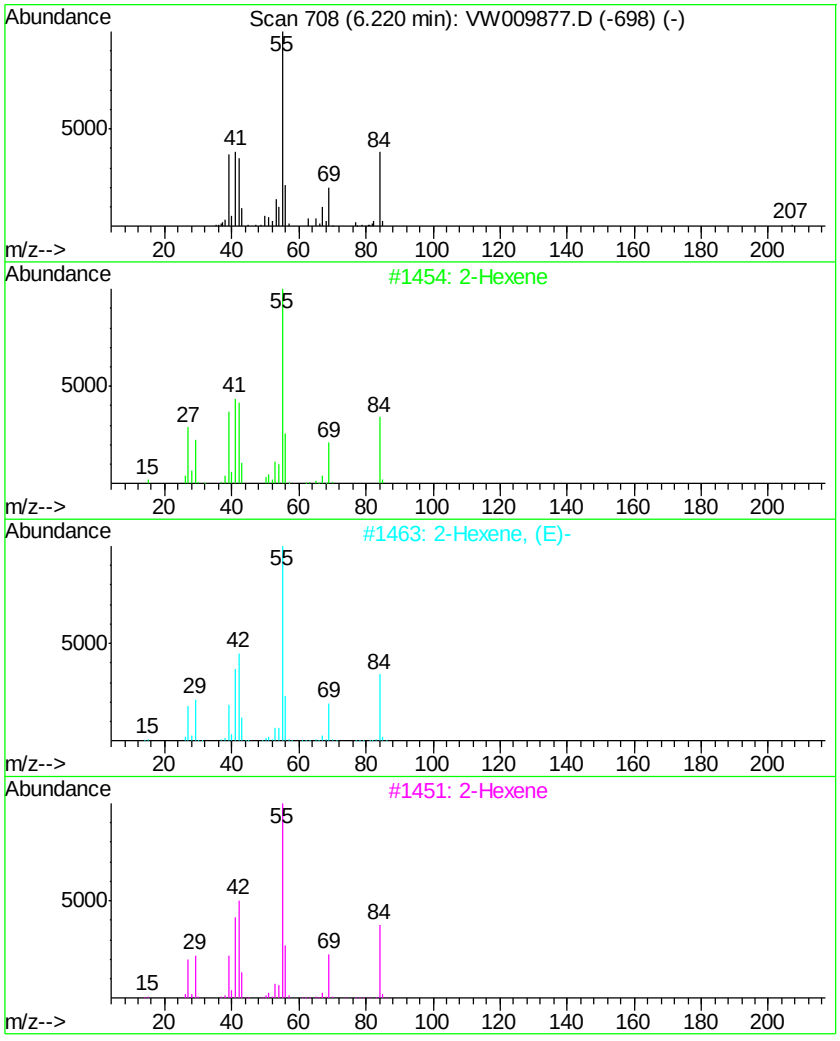
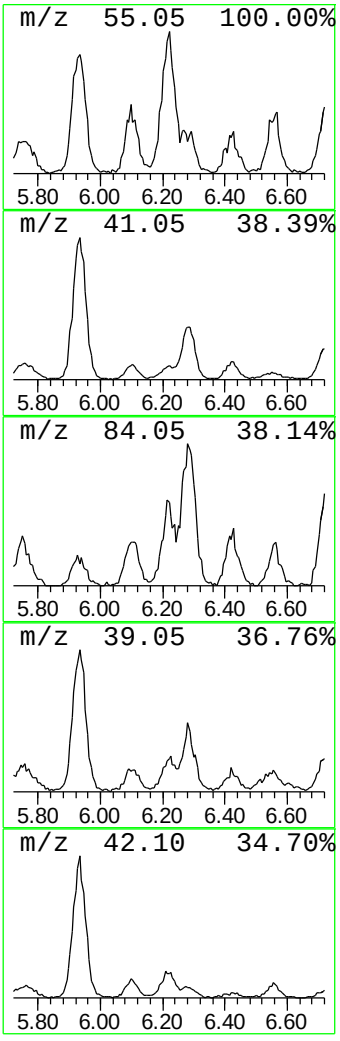
Peak Number 9 (DEL) Alkane: Cyclic6.22 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	1.60 ug/L	106449	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene	84	C6H12	000592-43-8	86
2	2-Hexene, (E)-	84	C6H12	004050-45-7	80
3	2-Hexene	84	C6H12	000592-43-8	80
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	80
5	2-Hexene, (E)-	84	C6H12	004050-45-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

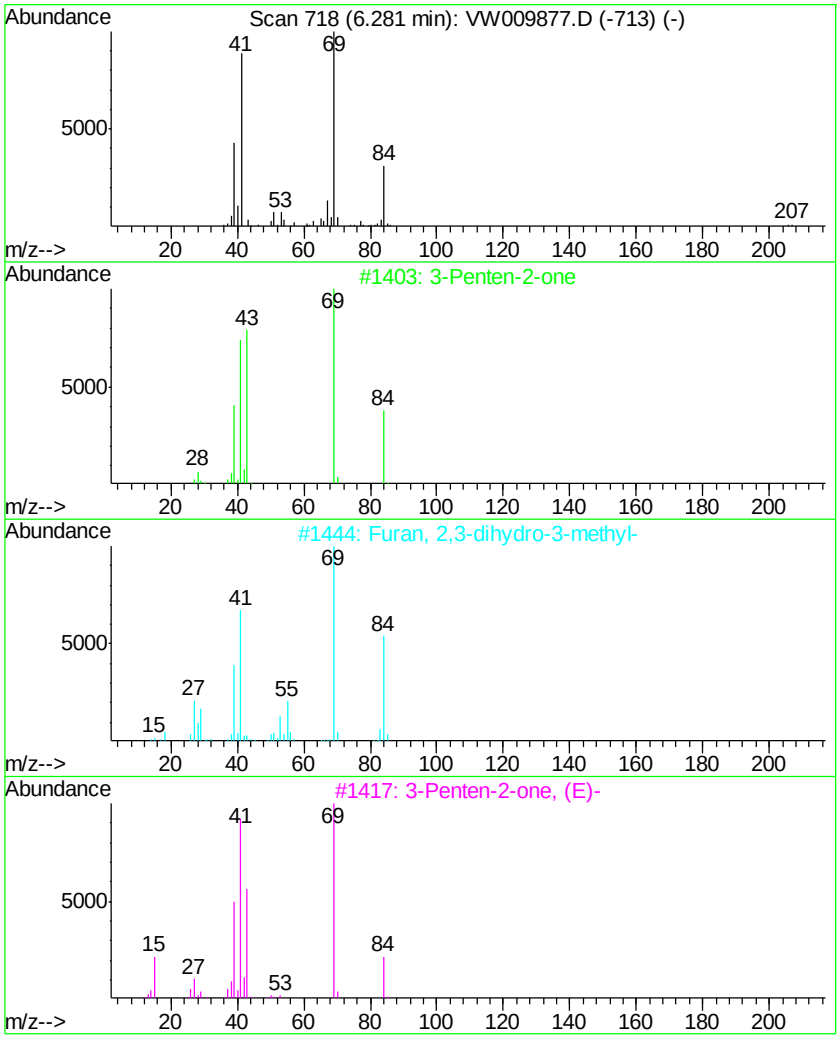
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

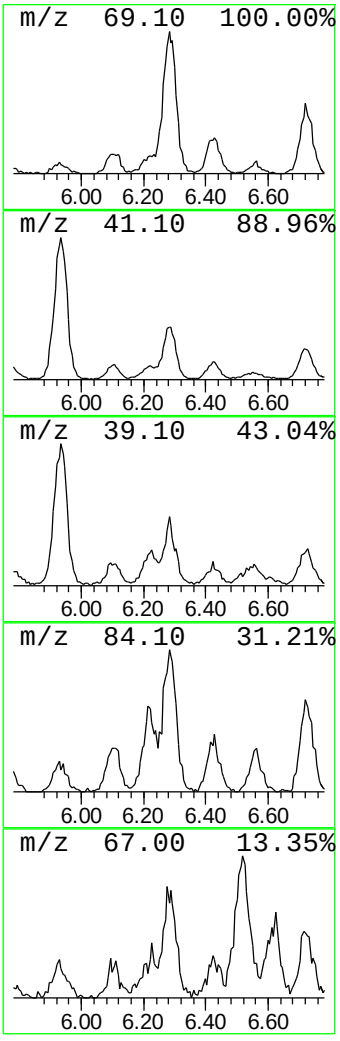
****

Peak Number 10 3-Penten-2-one Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	2.89 ug/L	192154	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one	84	C5H8O	000625-33-2	86
2	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	64
3	3-Penten-2-one, (E)-	84	C5H8O	003102-33-8	64
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	59
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	58





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

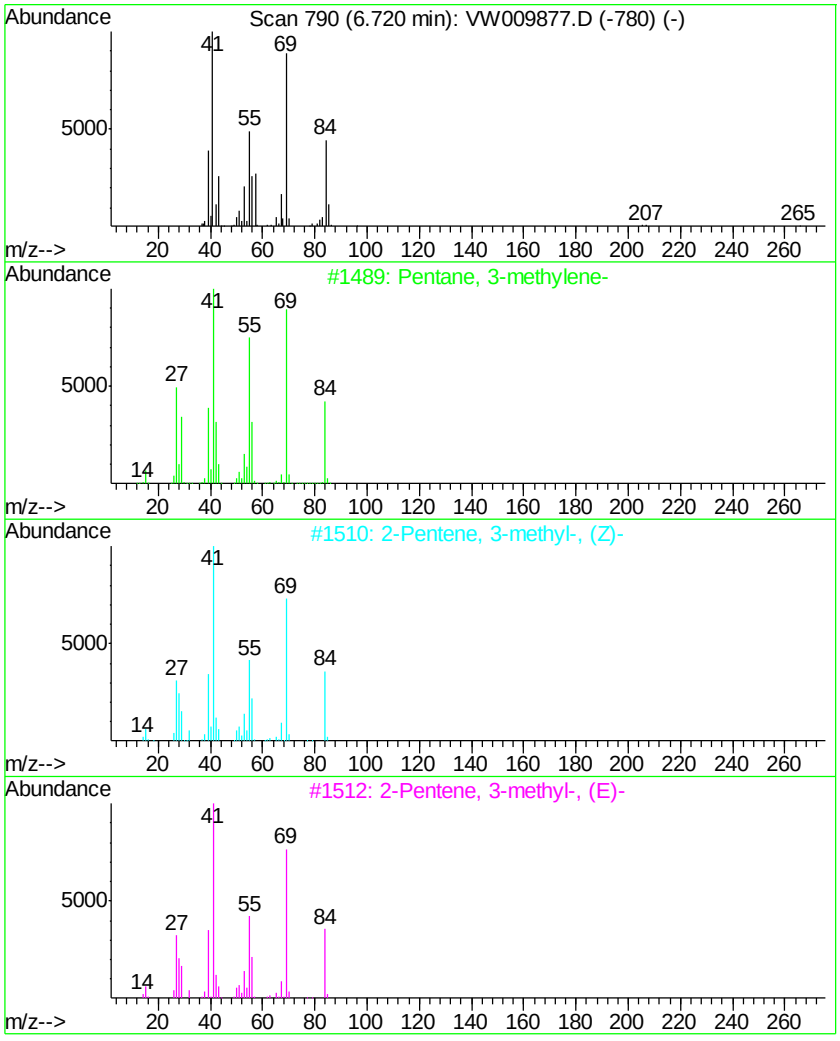
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

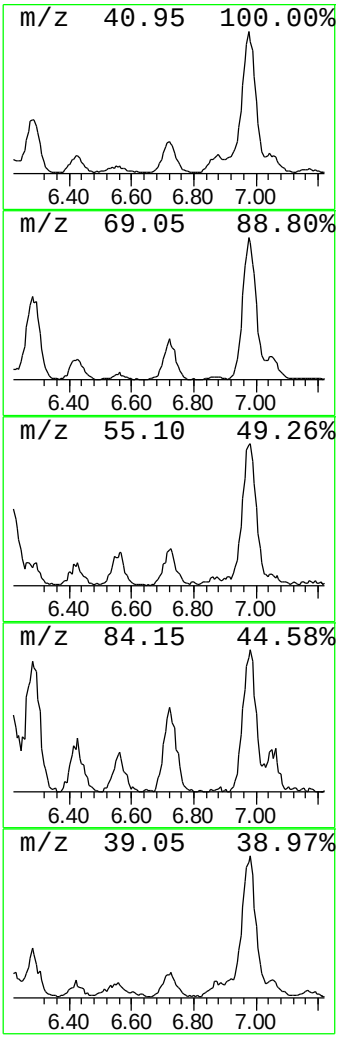
****

Peak Number 11 (DEL) Alkane: Cyclic6.72 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	2.31 ug/L	153473	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methylene-	84	C6H12	000760-21-4	80
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	76
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	70
4	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	64
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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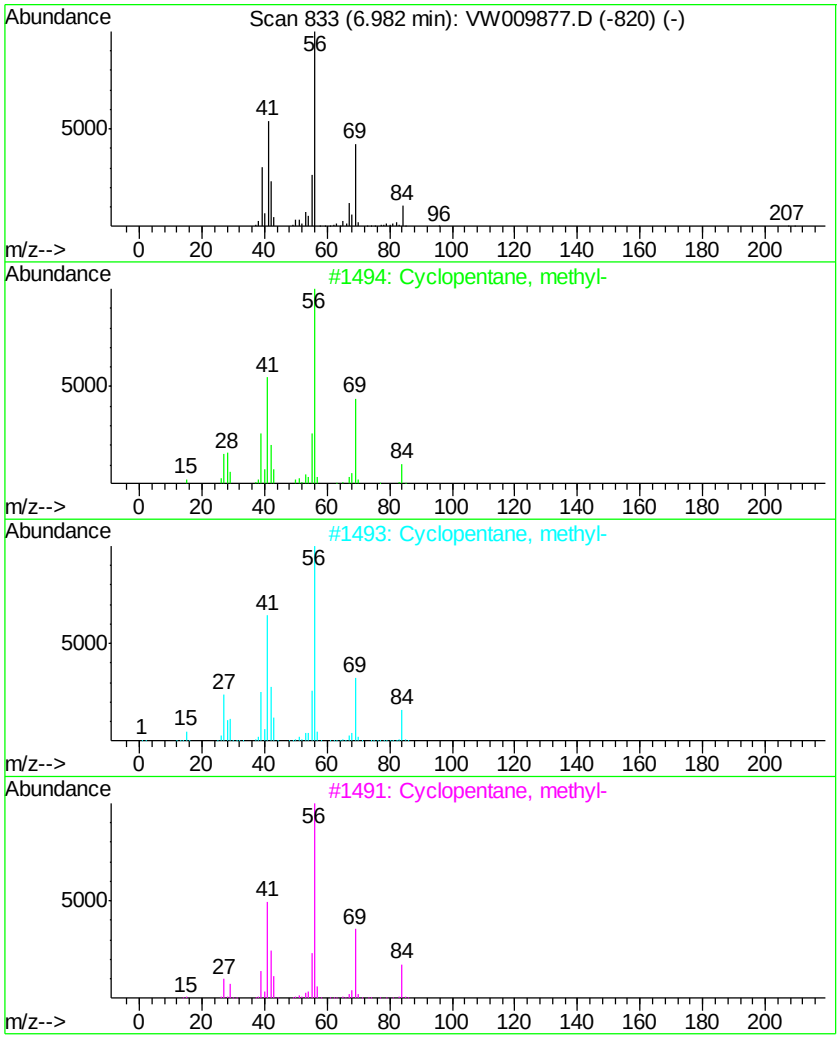
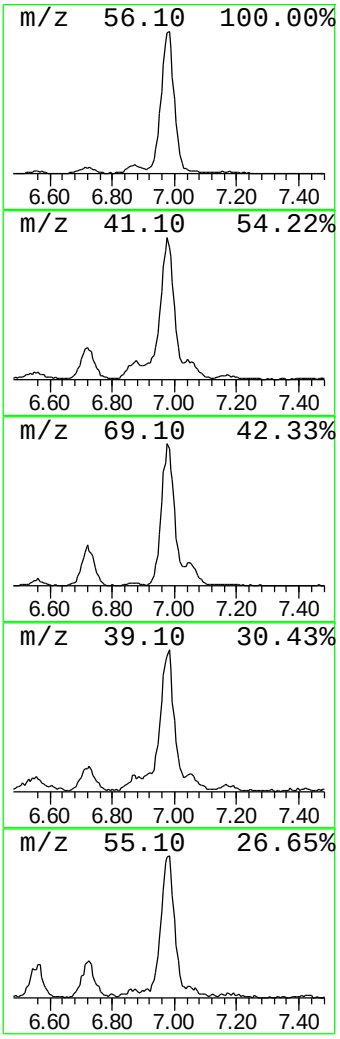
Peak Number 12 (DEL) Alkane: Cyclic6.98 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	13.34 ug/L	885640	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	45





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

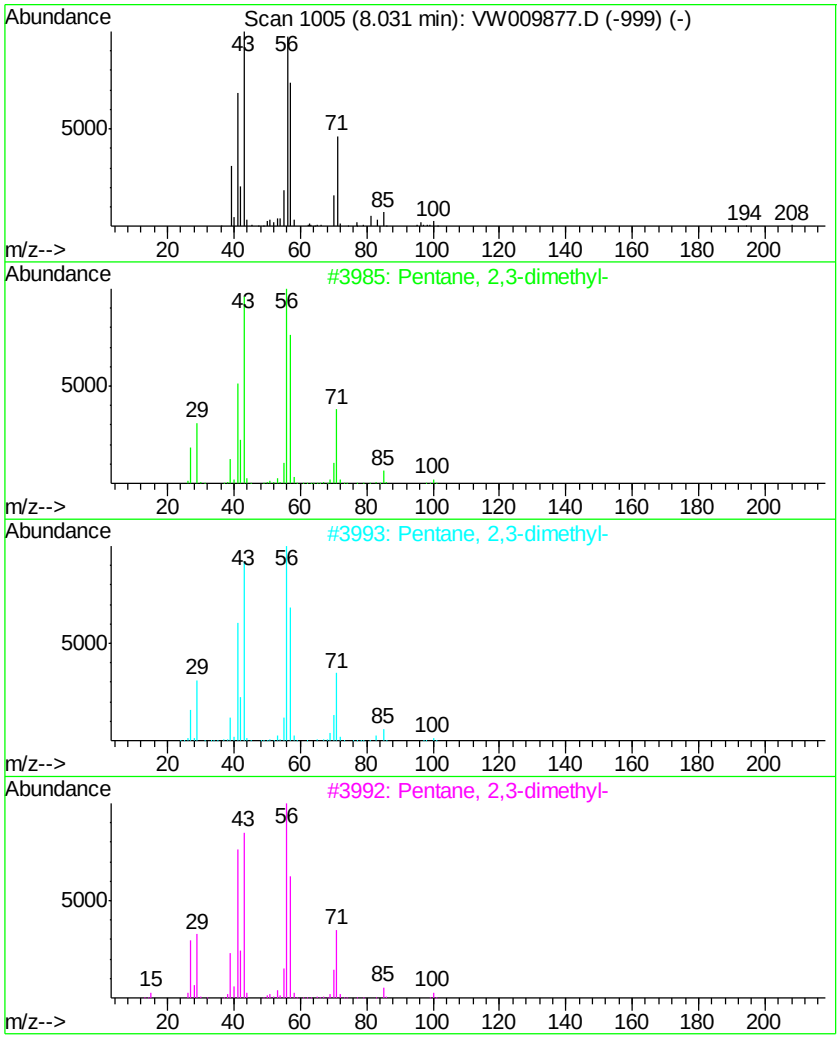
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

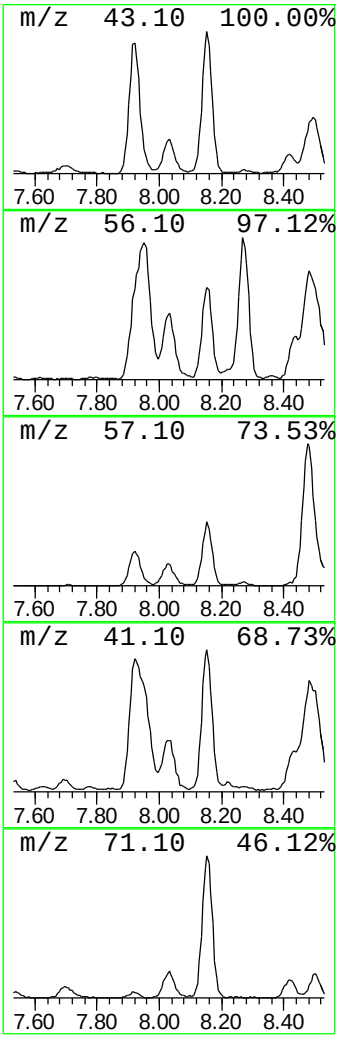
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	4.97 ug/L	330095	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	59





Library Search Compound Report

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Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

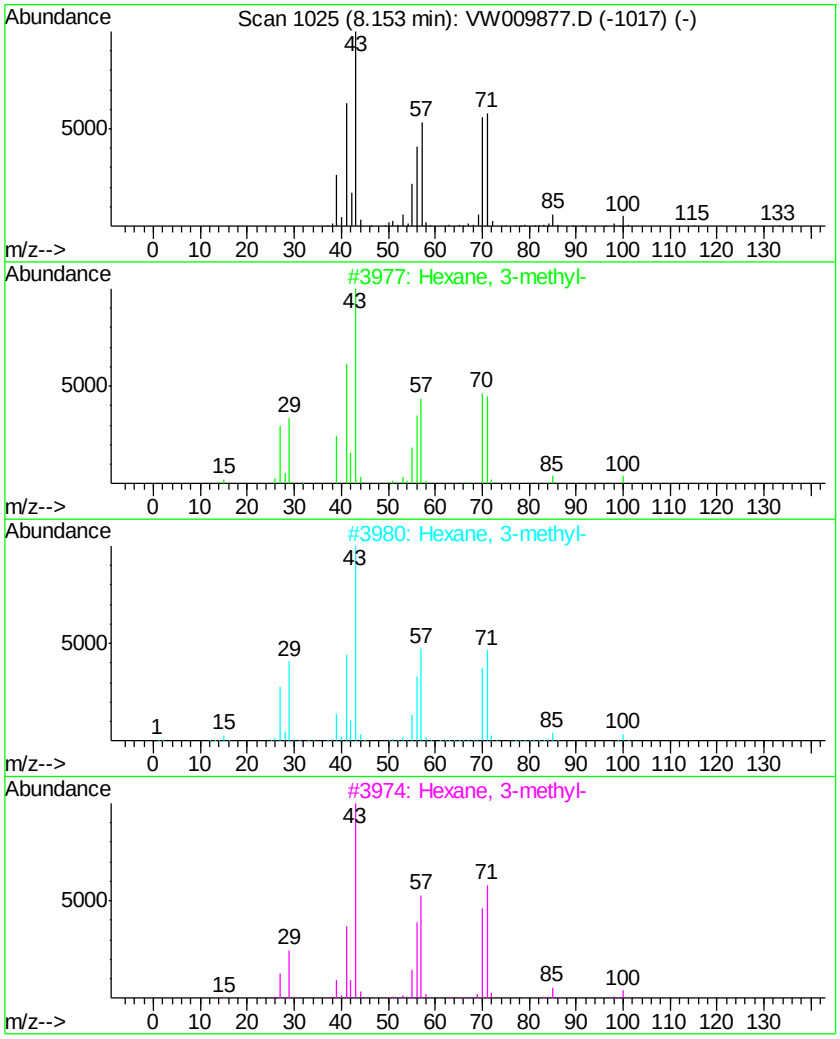
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

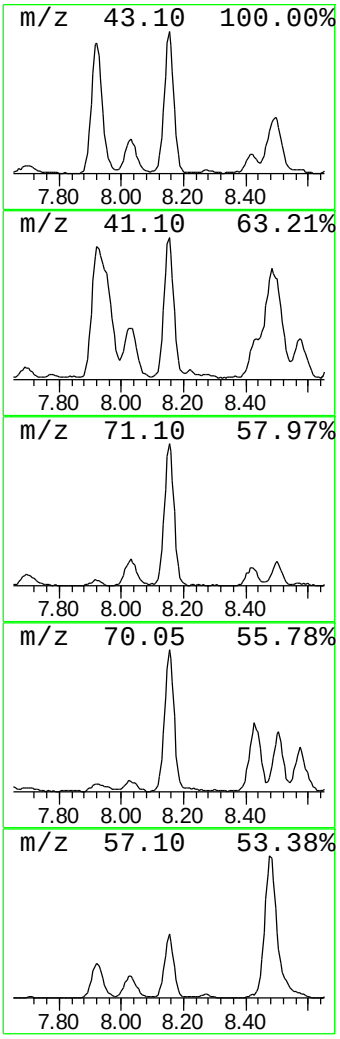
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	12.70 ug/L	843001	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane	100	C7H16	000142-82-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

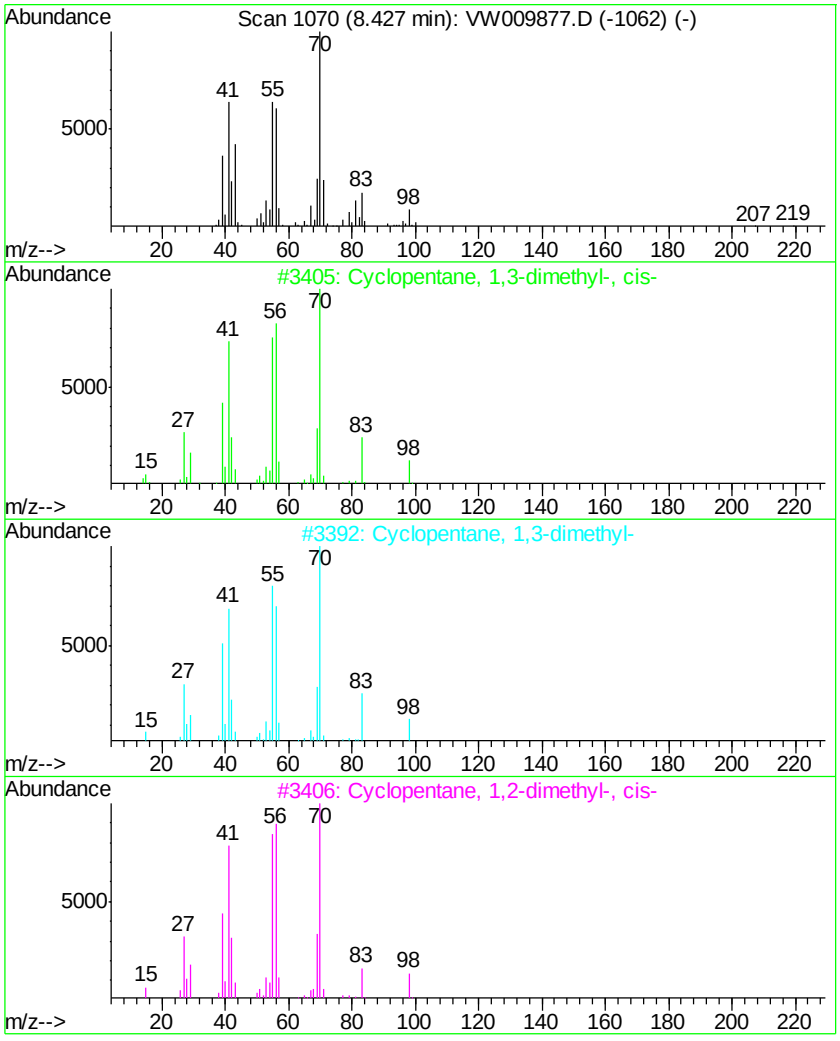
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

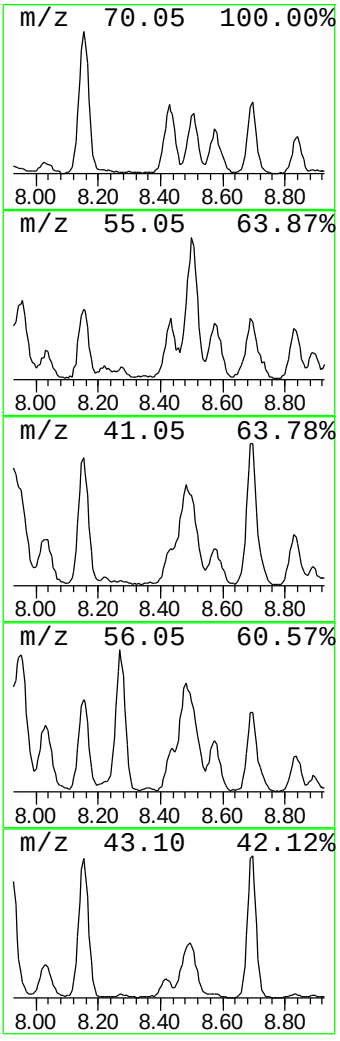
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic8.43 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	4.28 ug/L	284493	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	93
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	81
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	70
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	70





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Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

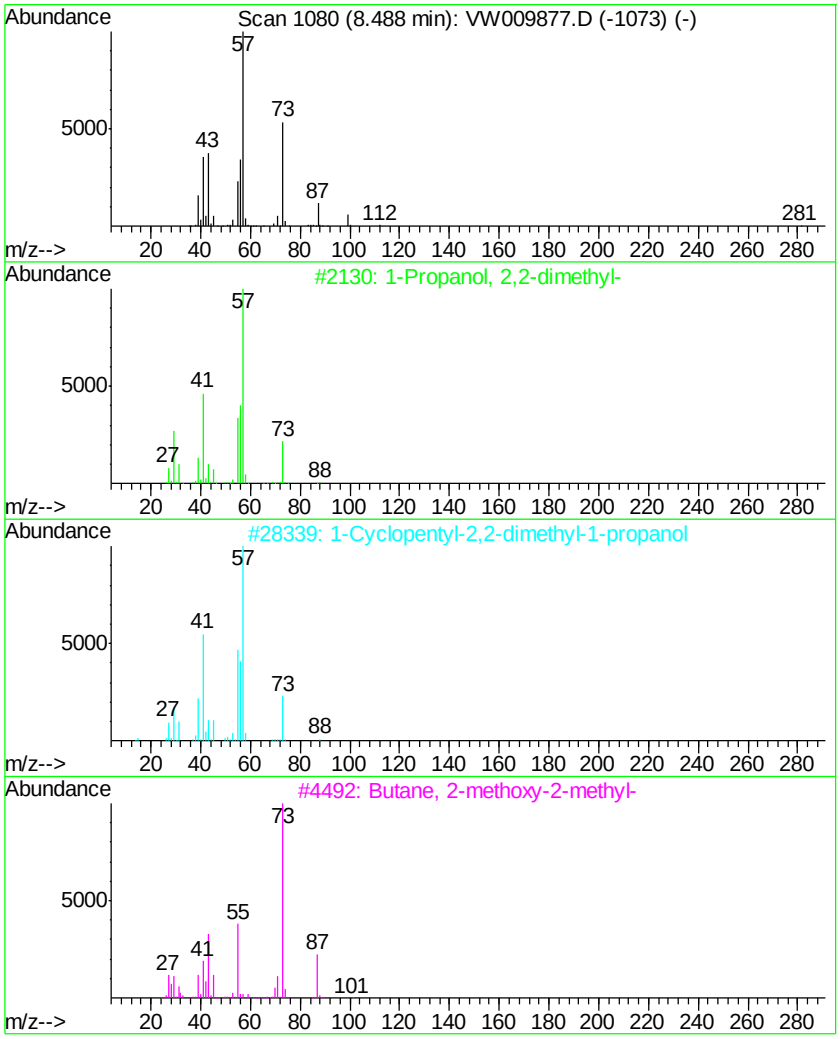
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

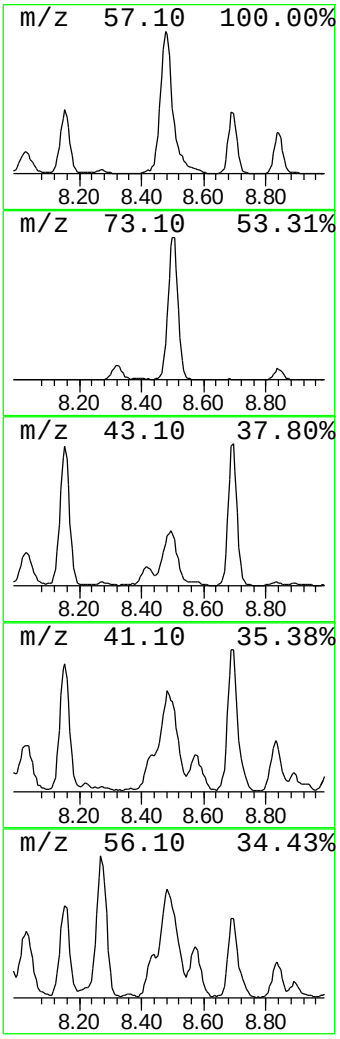
****

Peak Number 16 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	14.90 ug/L	989322	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2,2-dimethyl-	88	C5H12O	000075-84-3	42
2	1-Cyclopentyl-2,2-dimethyl-1-pro...	156	C10H20O	337966-85-5	42
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	38
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	37
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	37





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

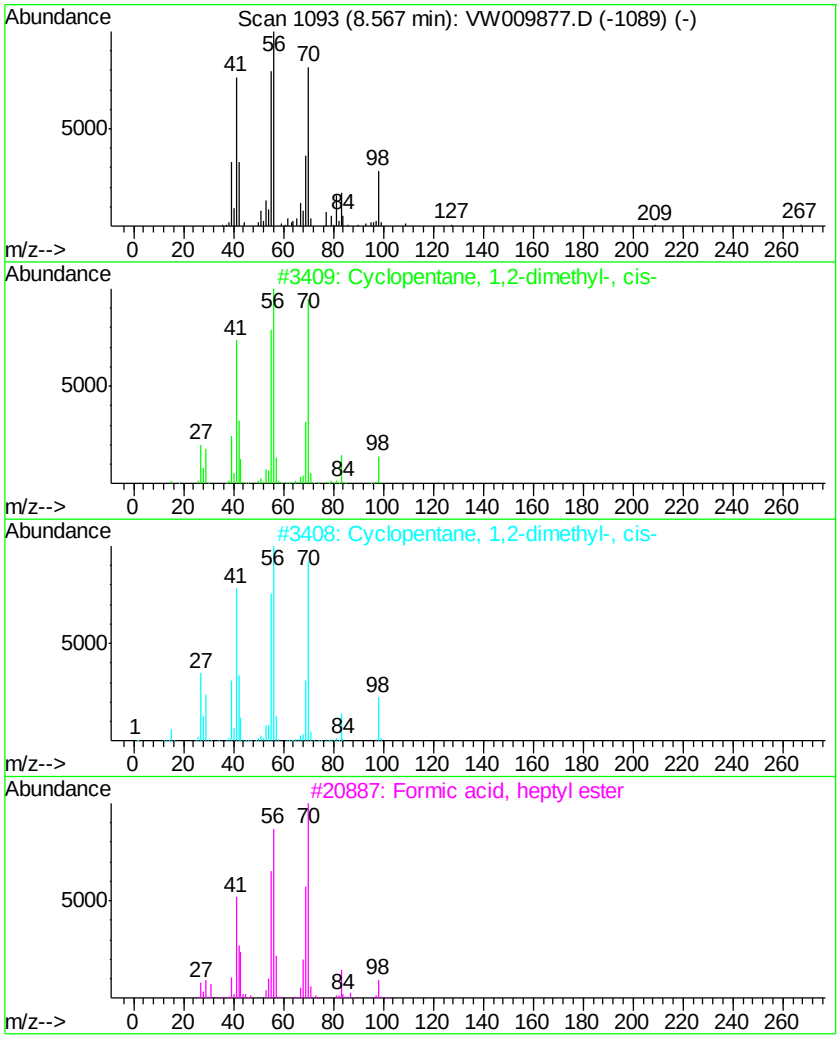
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

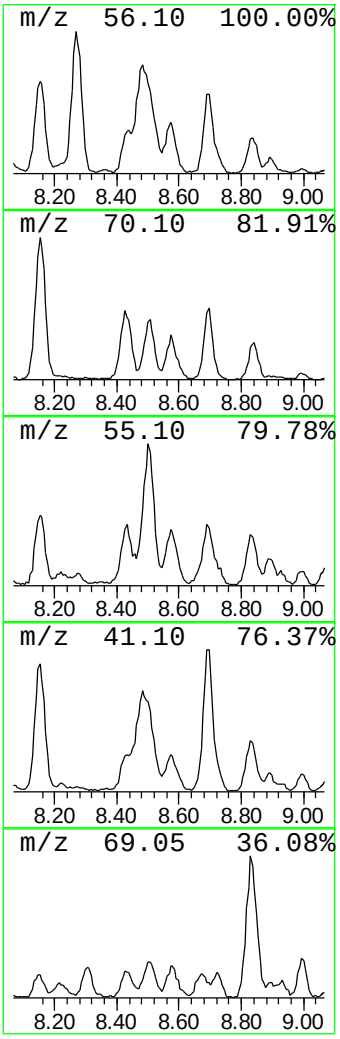
****

Peak Number 17 (DEL) Alkane: Cyclic8.57 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	4.06 ug/L	269784	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83
3	Formic acid, heptyl ester	144	C8H16O2	000112-23-2	78
4	Isopropylcyclobutane	98	C7H14	000872-56-0	64
5	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

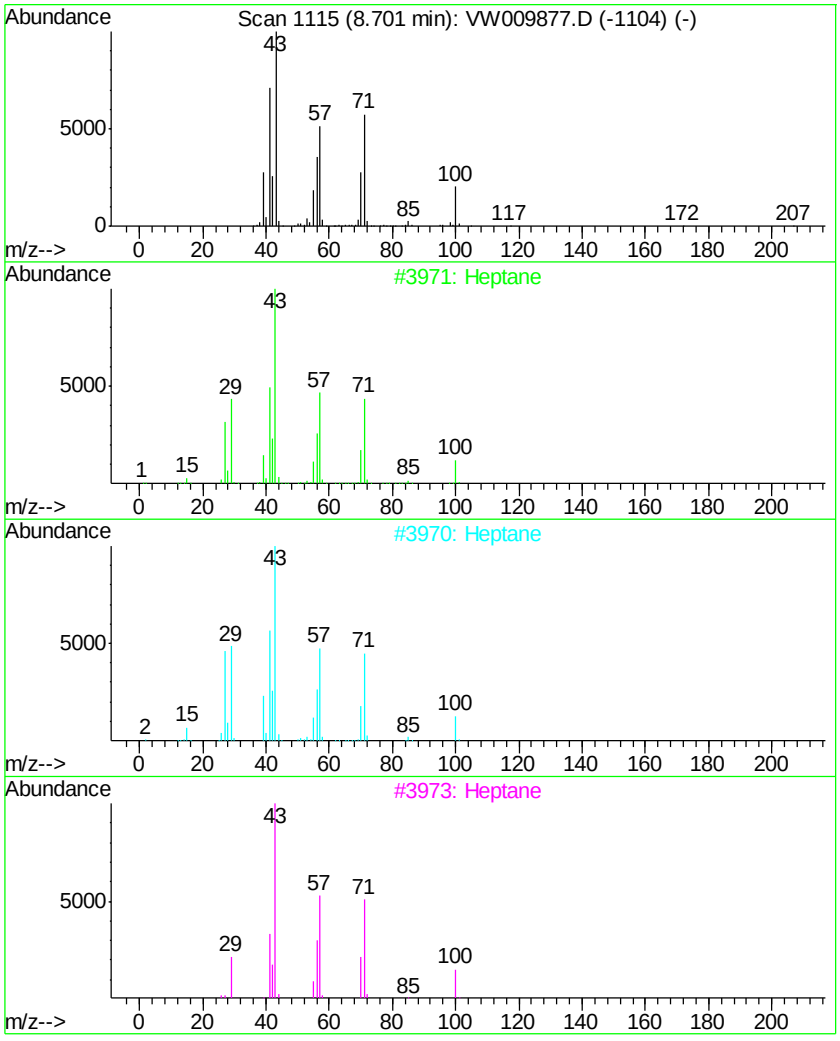
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

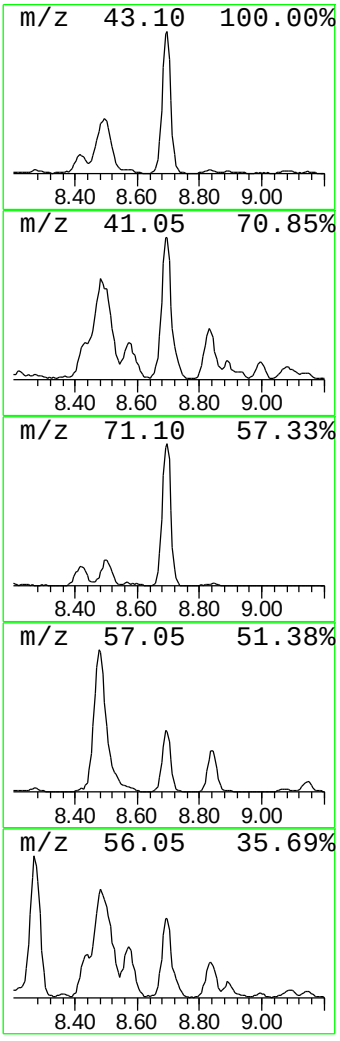
****

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	12.72 ug/L	844773	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	90
2	Heptane	100	C7H16	000142-82-5	87
3	Heptane	100	C7H16	000142-82-5	83
4	Heptane	100	C7H16	000142-82-5	68
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	42





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

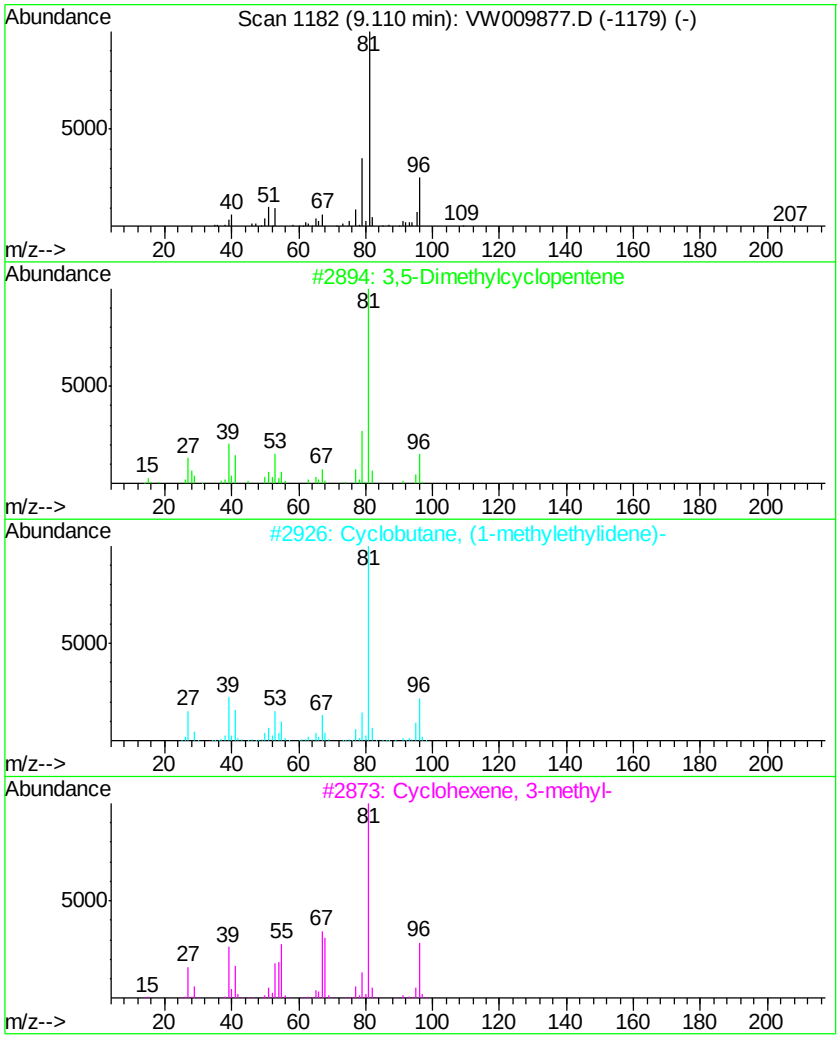
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

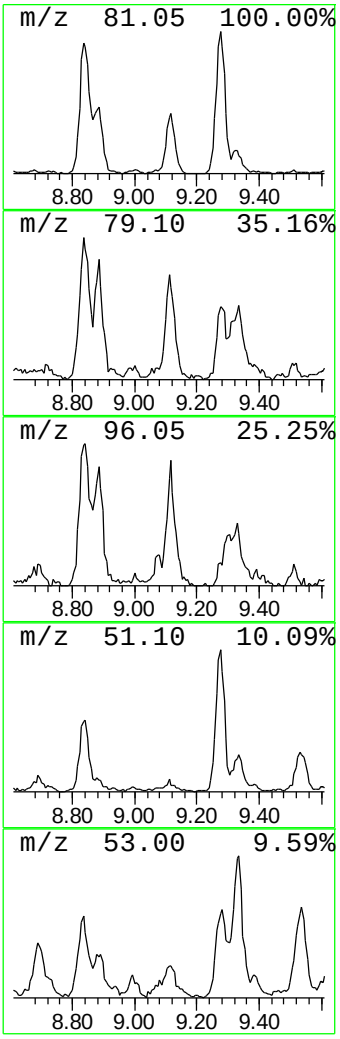
****

Peak Number 19 3,5-Dimethylcyclopentene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	1.93 ug/L	128084	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	64
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	64
4	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	64
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	64





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

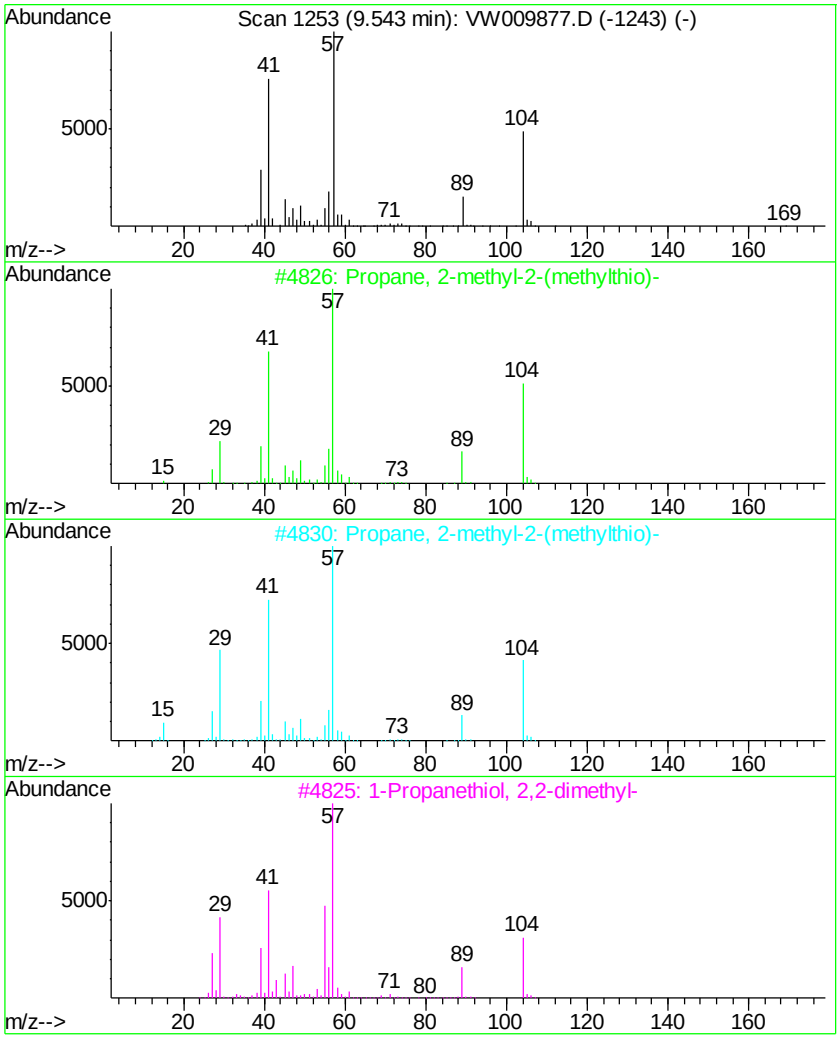
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

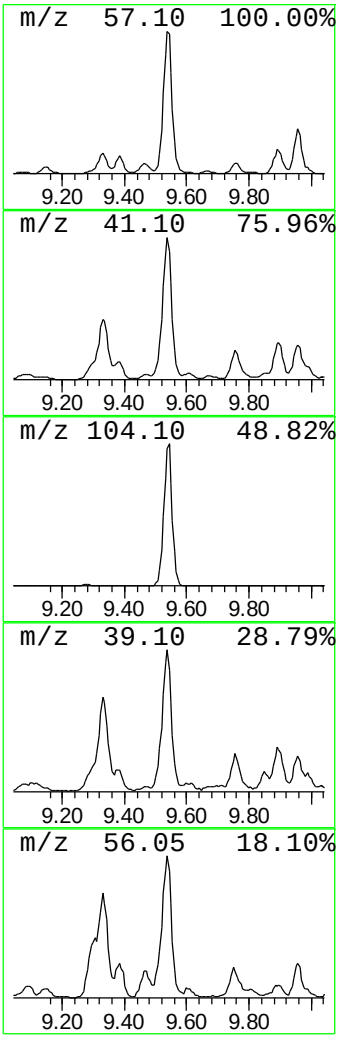
****

Peak Number 20 Propane, 2-methyl-2-(methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	19.61 ug/L	1302460	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	95
2	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	91
3	1-Propanethiol, 2,2-dimethyl-	104	C5H12S	001679-08-9	59
4	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	53
5	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

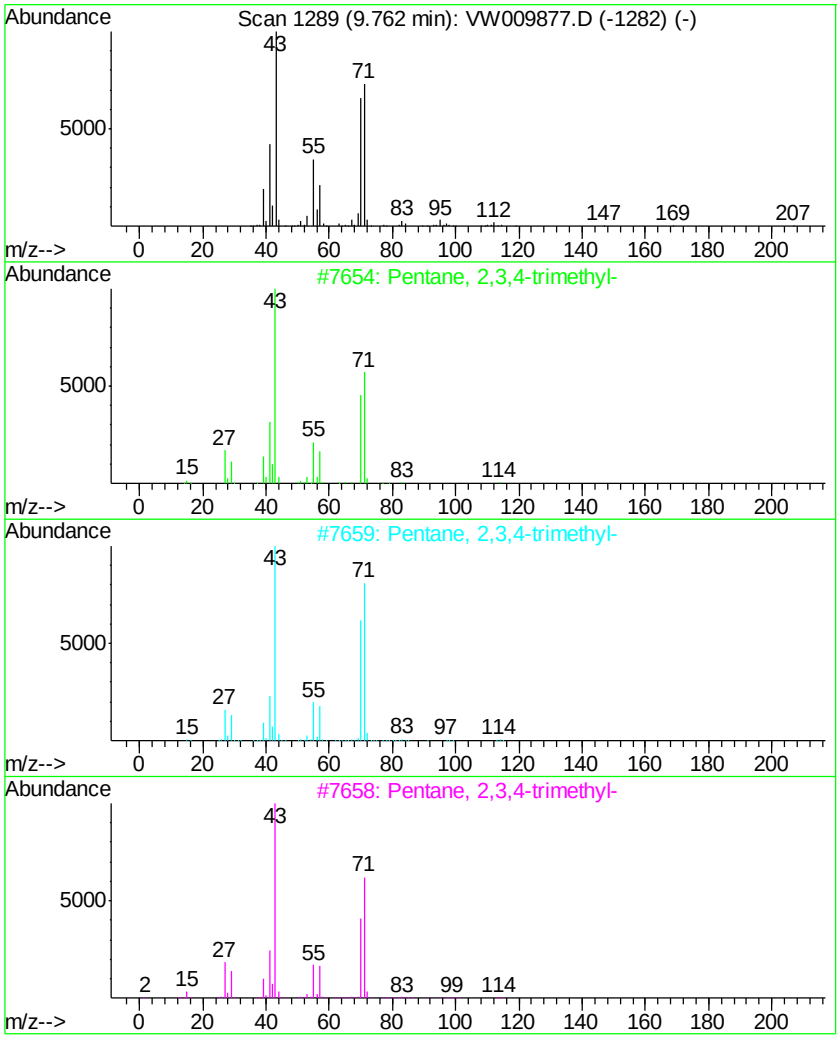
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

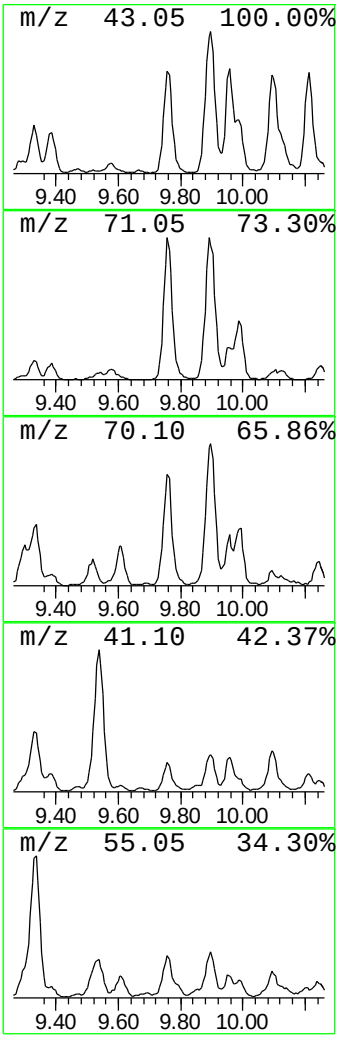
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	7.28 ug/L	483380	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

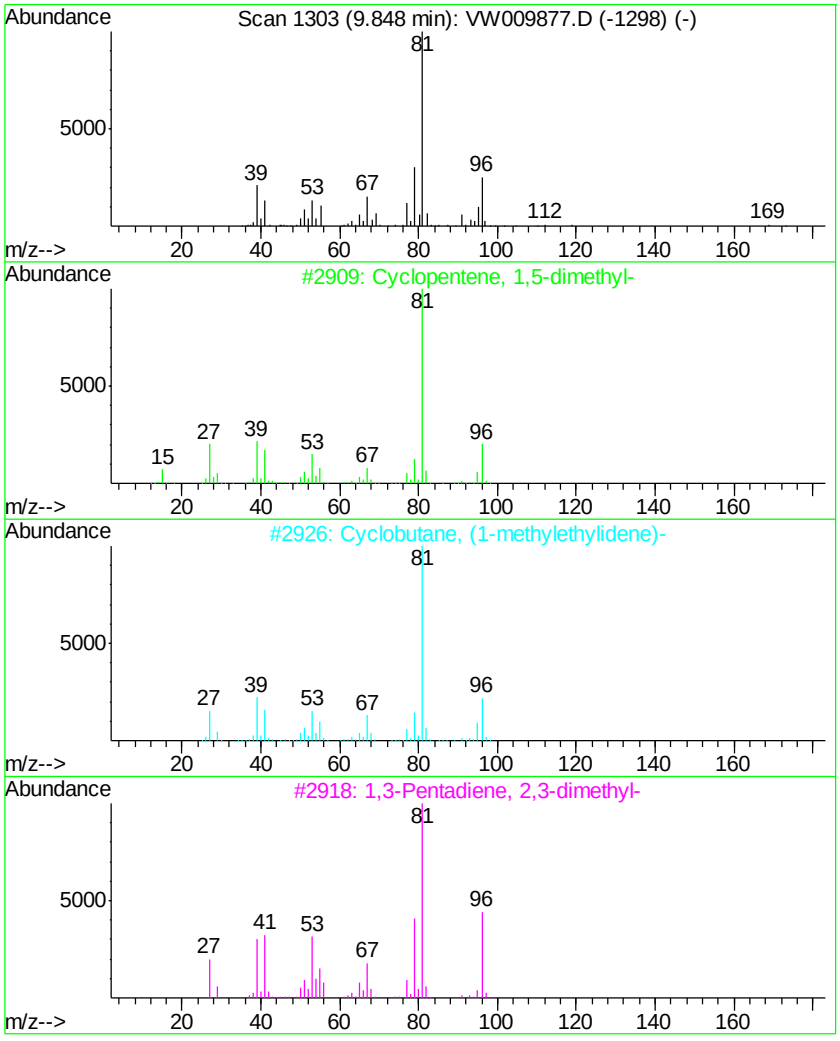
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

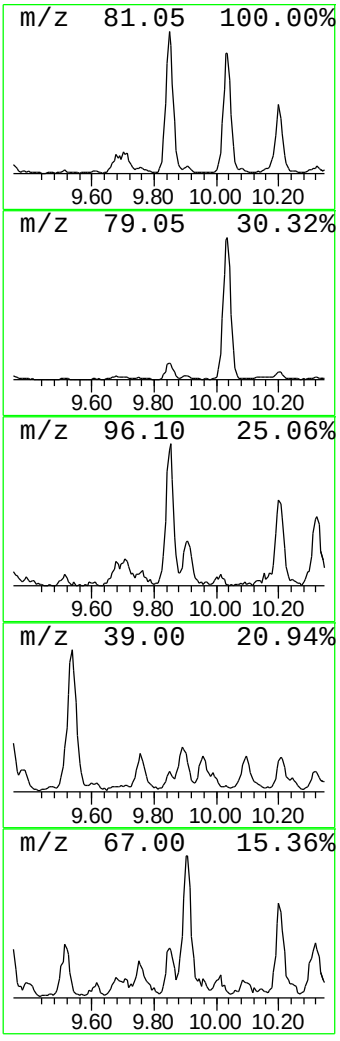
****

Peak Number 22 Cyclopentene, 1,5-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.56 ug/L	170141	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
3	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	80
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	78
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

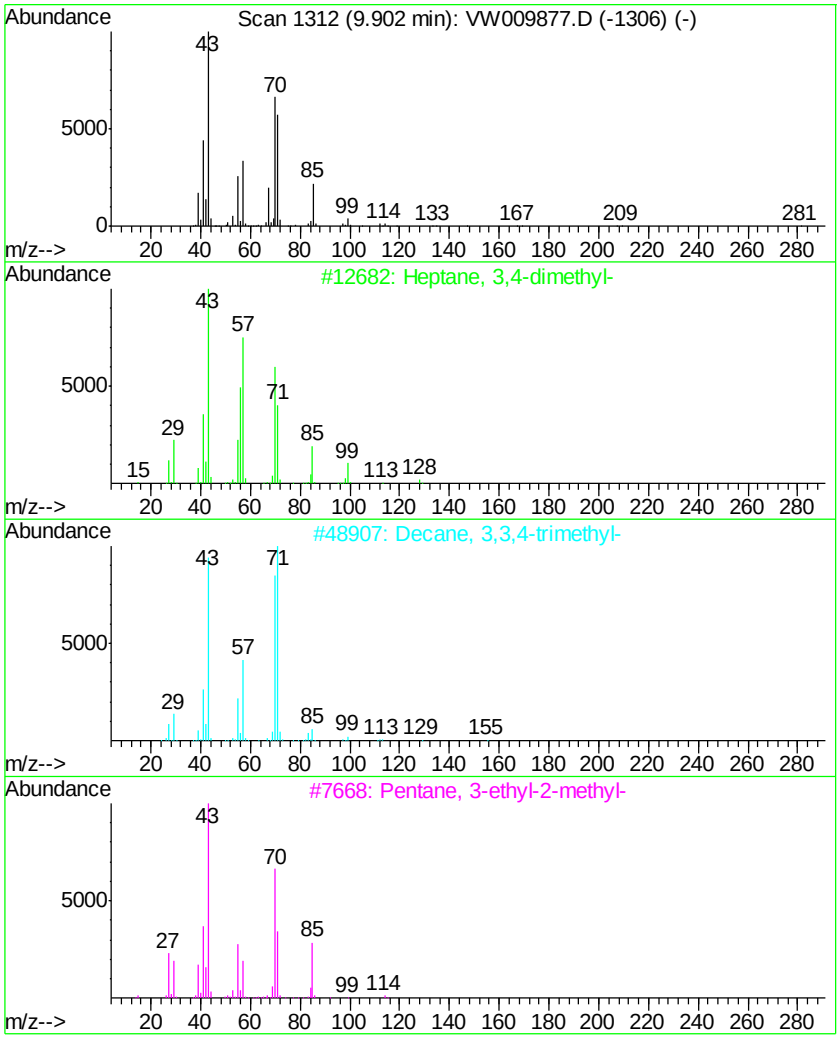
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

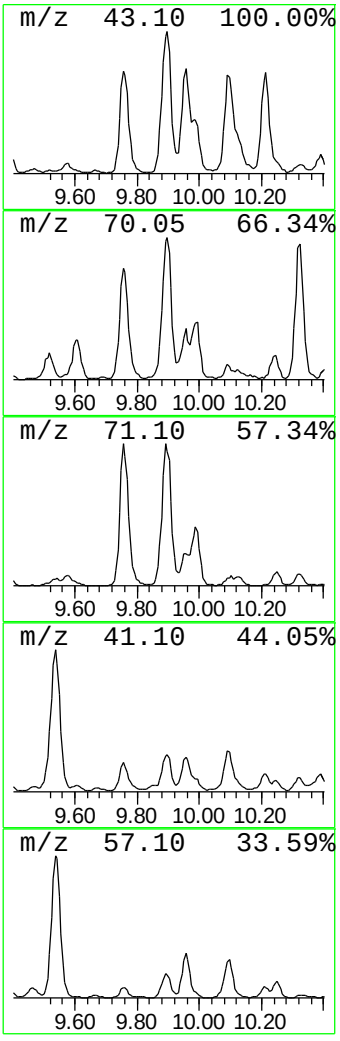
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	7.83 ug/L	520002	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	56
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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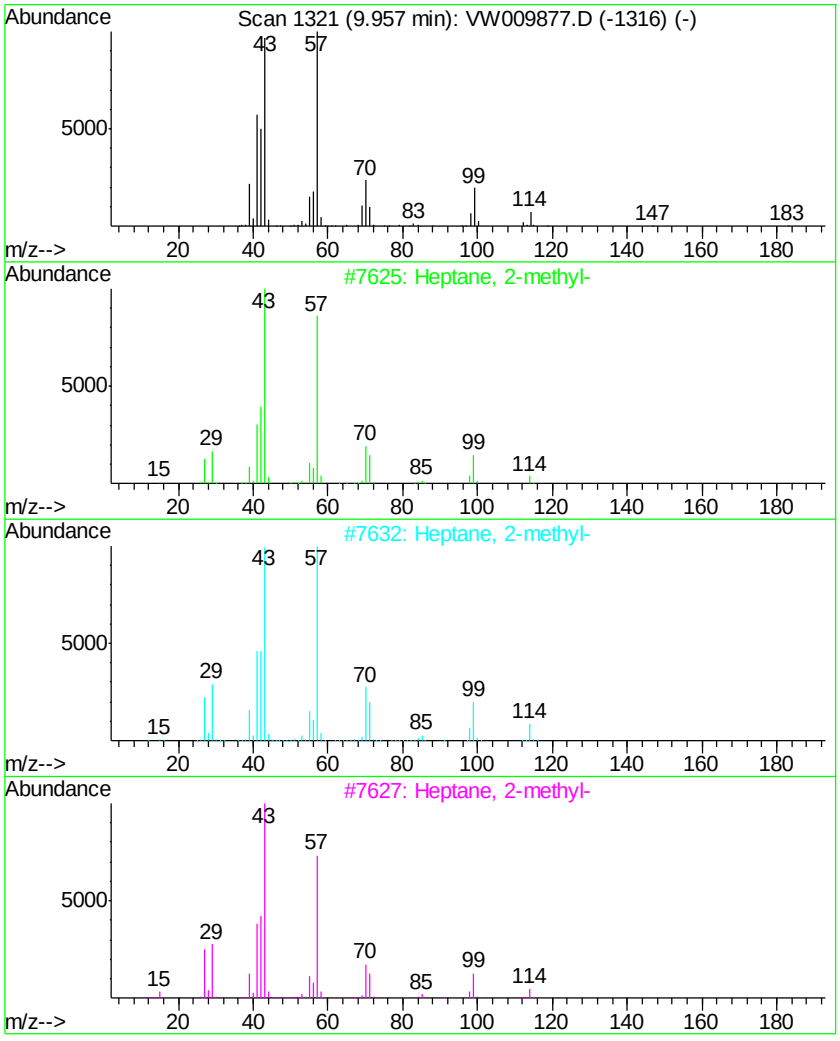
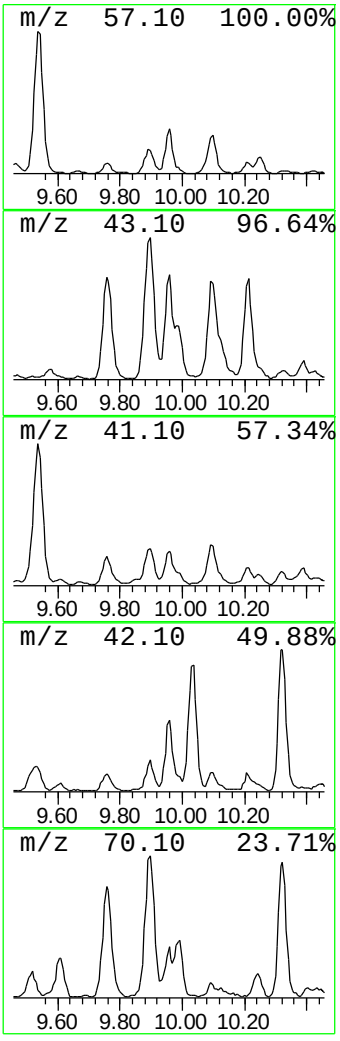
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	4.95 ug/L	328433	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	64
4	2-Piperidinone	99	C5H9NO	000675-20-7	58
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52





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Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

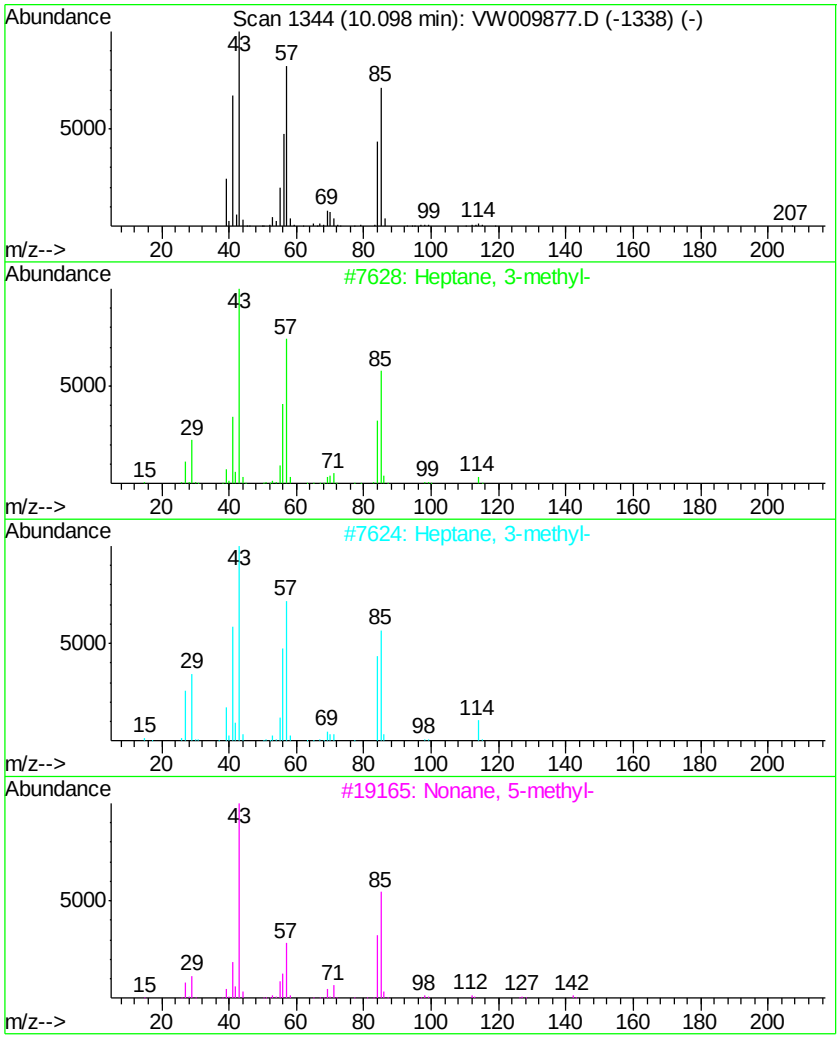
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

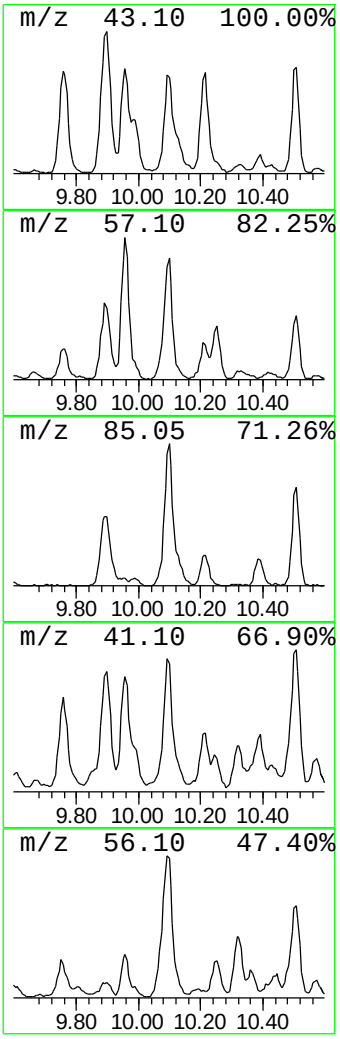
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	8.01 ug/L	531685	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
3	Nonane, 5-methyl-	142	C10H22	015869-85-9	64
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	47





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

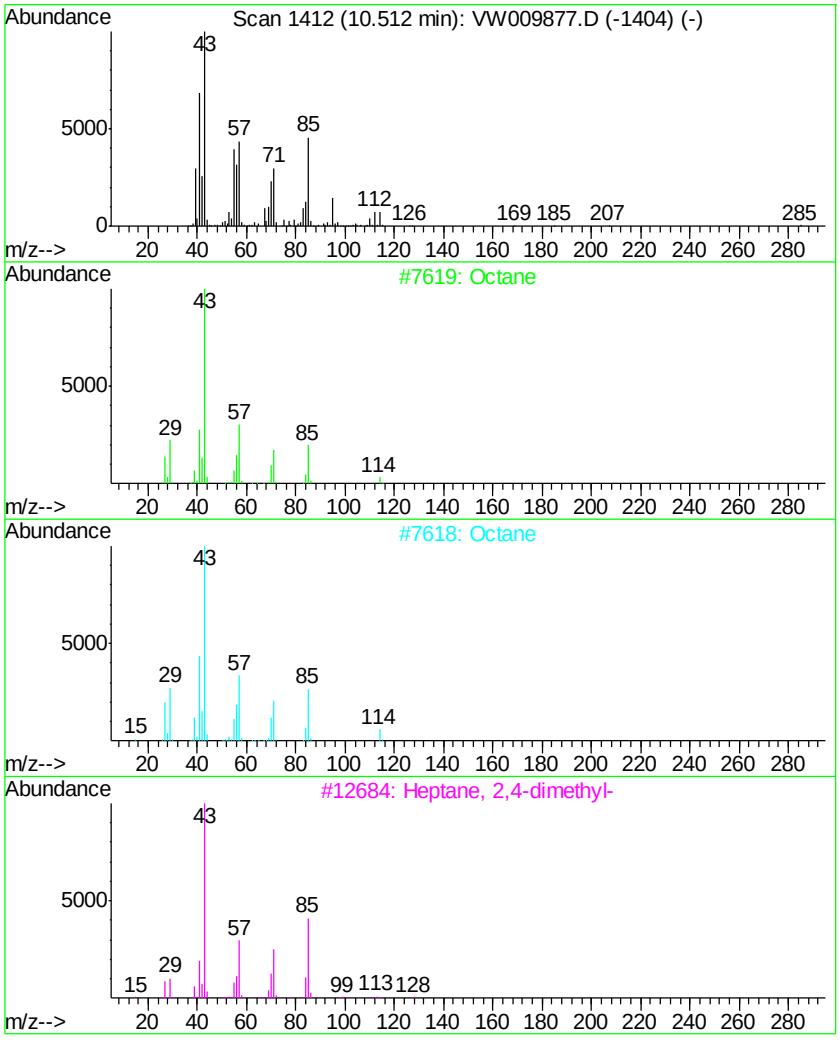
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

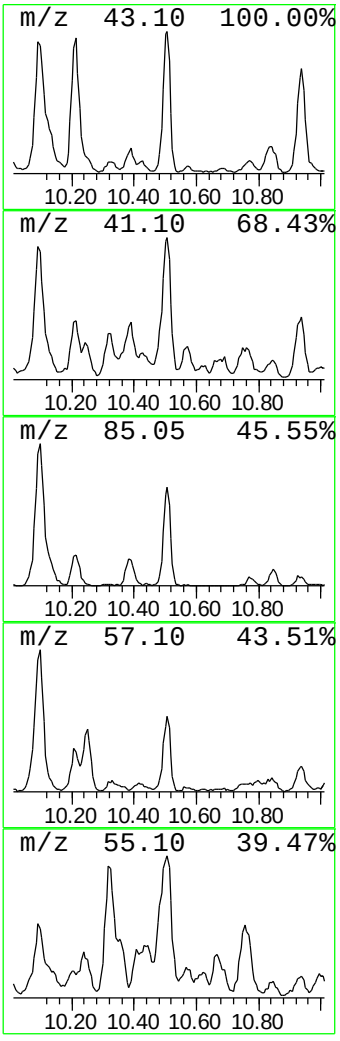
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	12.71 ug/L	637540	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	80
2	Octane	114	C8H18	000111-65-9	74
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	49
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

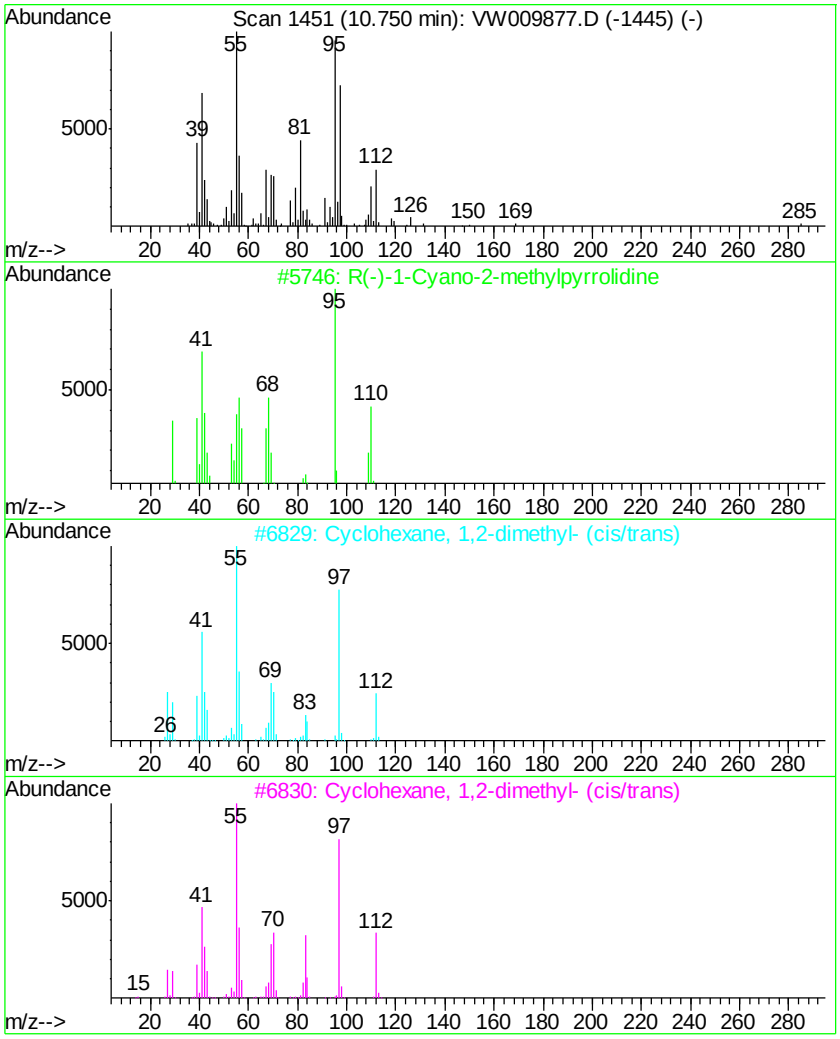
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

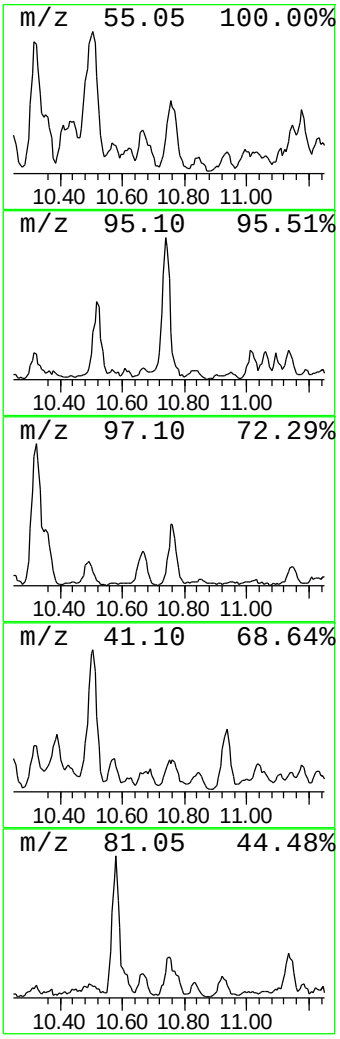
****

Peak Number 28 unknown-03 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	4.59 ug/L	230256	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R(-)-1-Cyano-2-methylpyrrolidine	110	C6H10N2	1000145-01-8	49
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	46
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	46
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	46
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	46





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

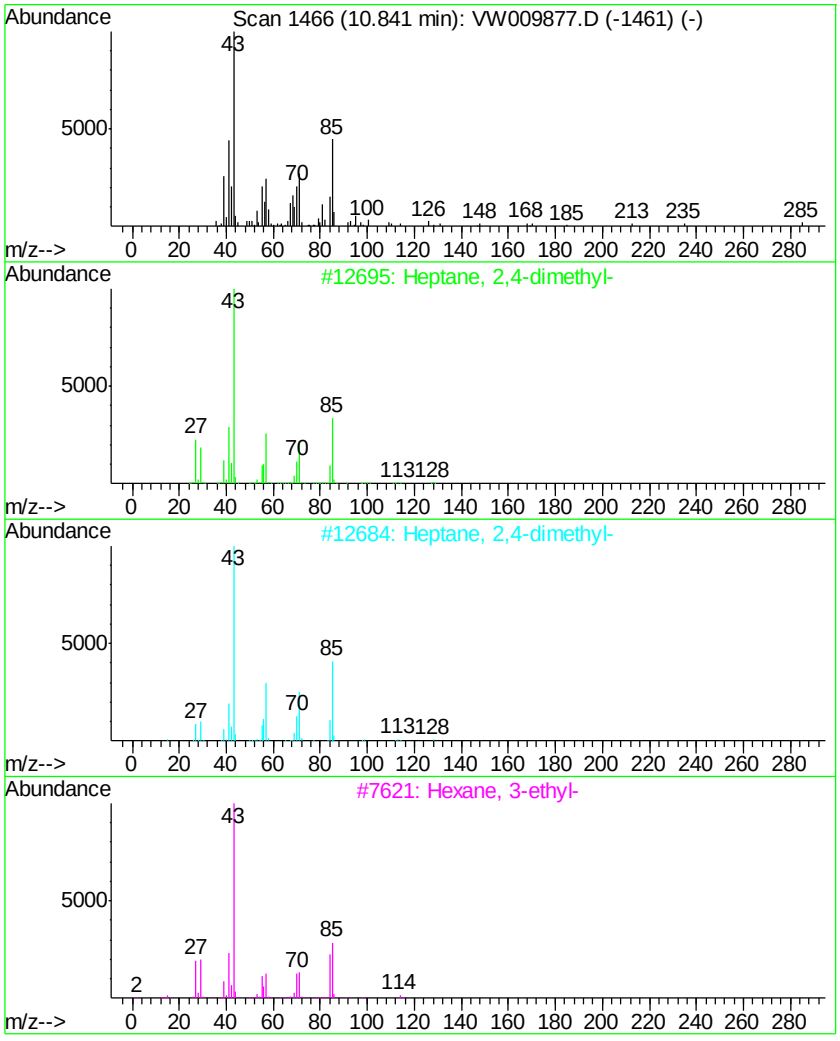
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

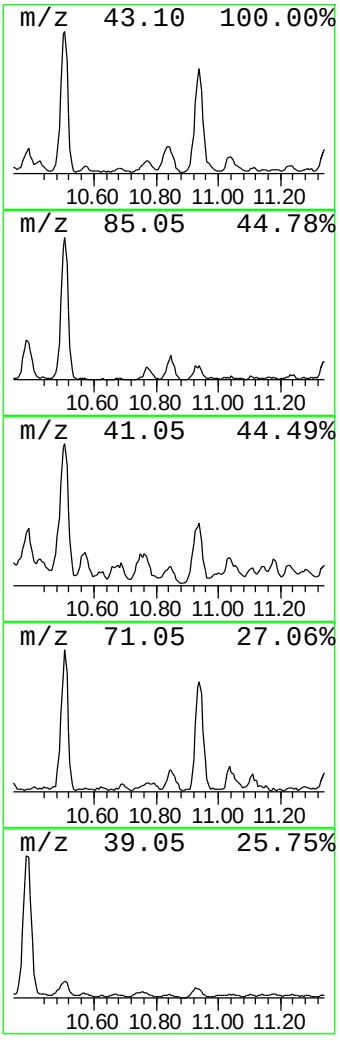
****

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	2.51 ug/L	126031	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
5	Octane, 4-methyl-	128	C9H20	002216-34-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

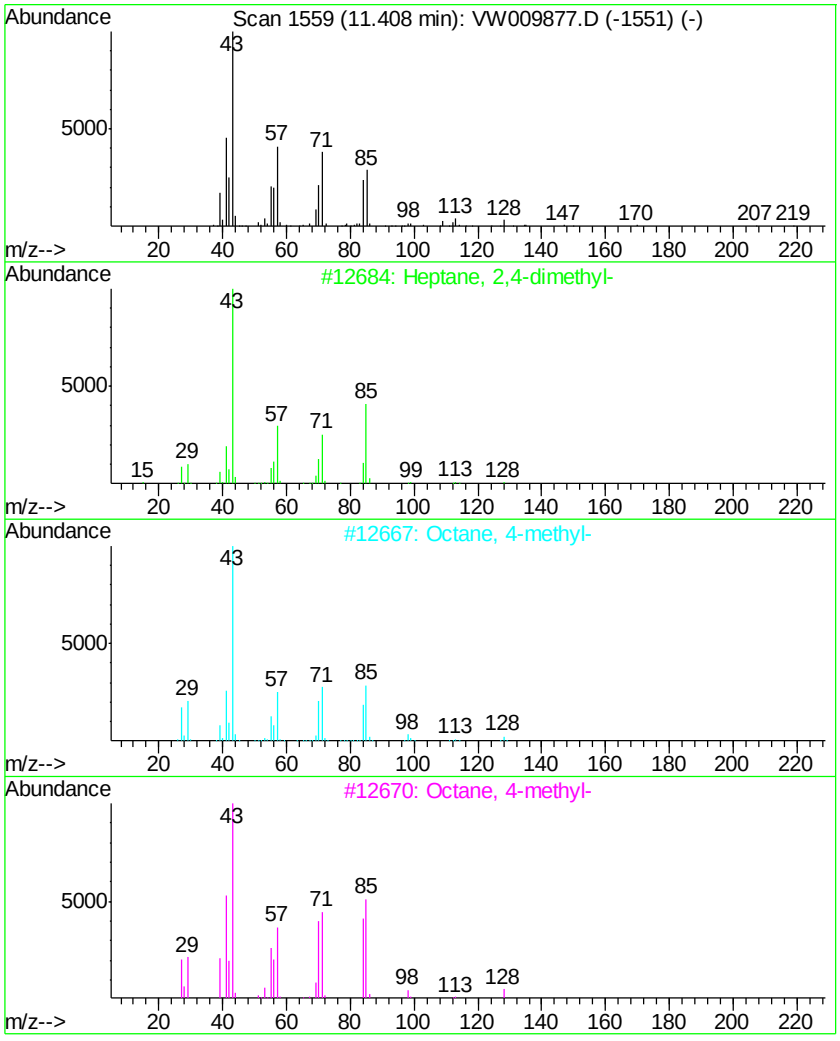
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

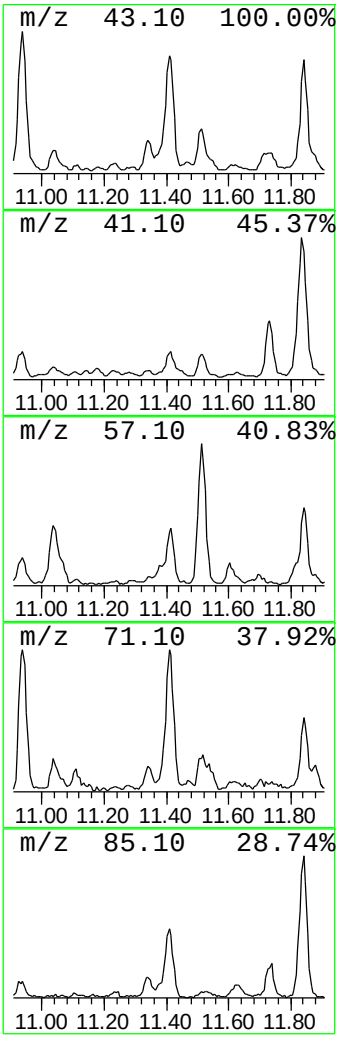
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	7.41 ug/L	371864	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Octane, 4-methyl-	128	C9H20	002216-34-4	53
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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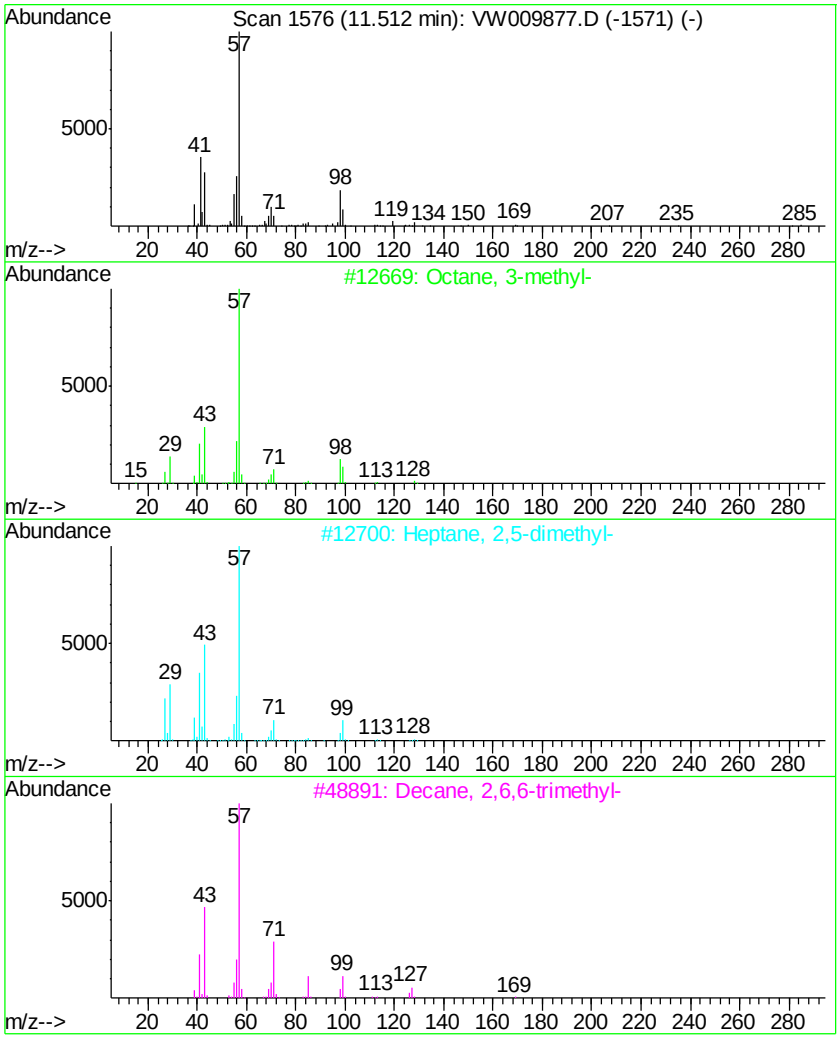
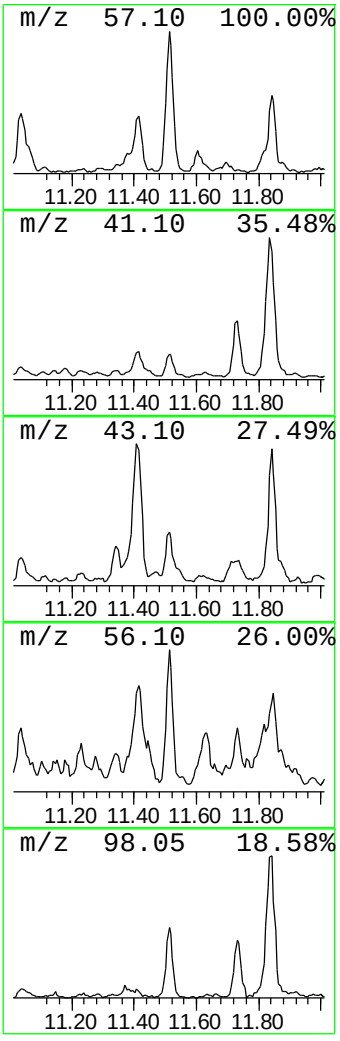
Peak Number 31 Octane, 3-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	4.39 ug/L	220114	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	59
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	53





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

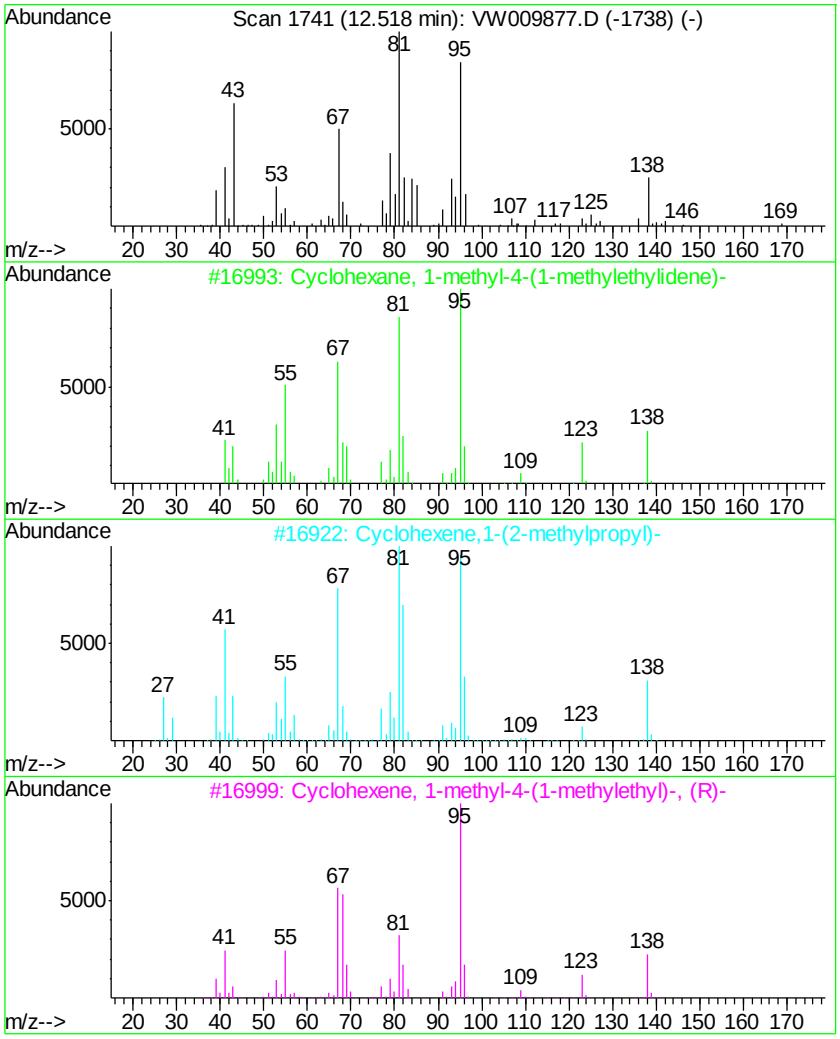
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

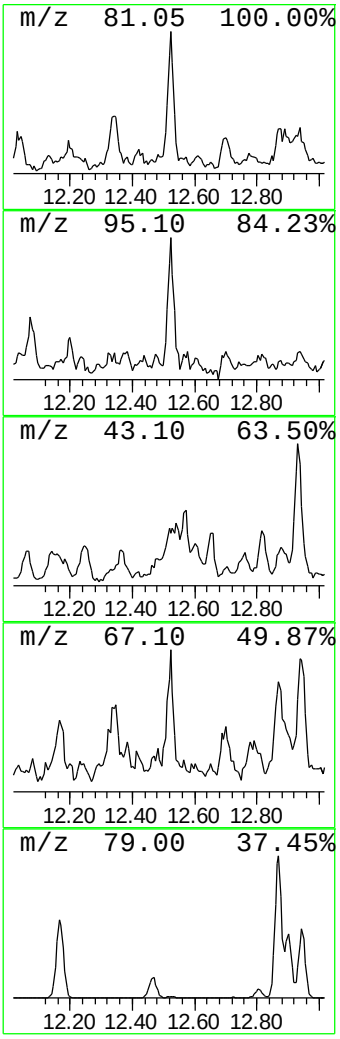
****

Peak Number 32 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.84 ug/L	142489	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	80
2	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	74
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	47
4	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	47
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

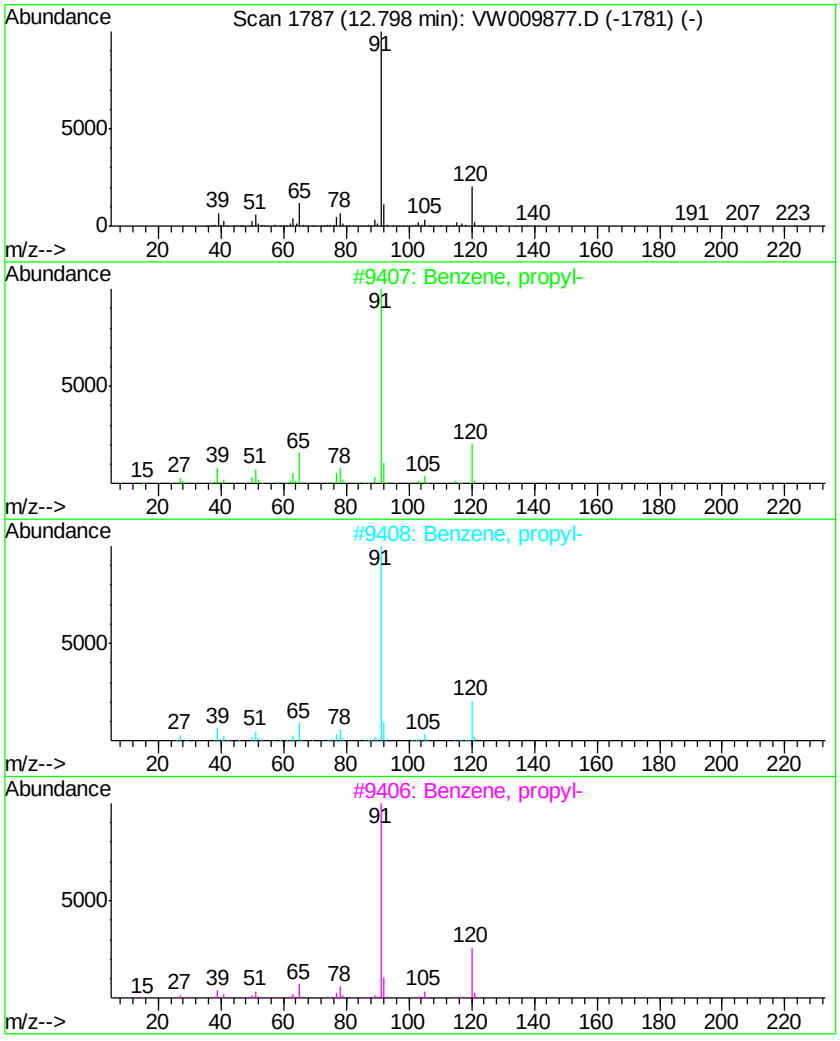
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

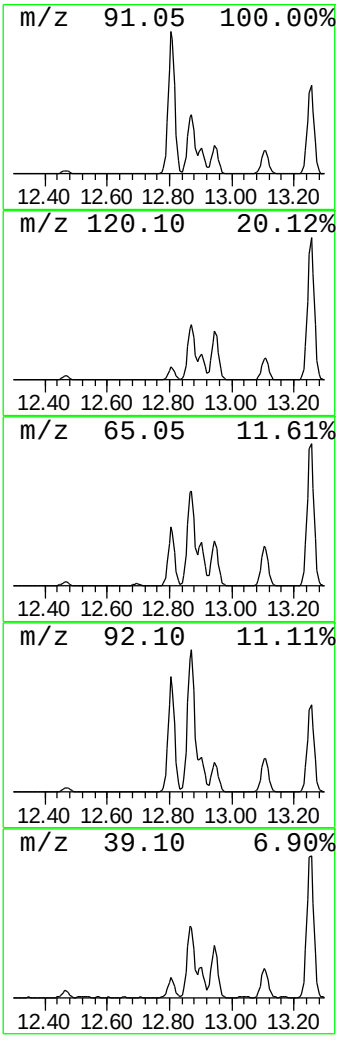
****

Peak Number 33 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	11.29 ug/L	3596290	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	86
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

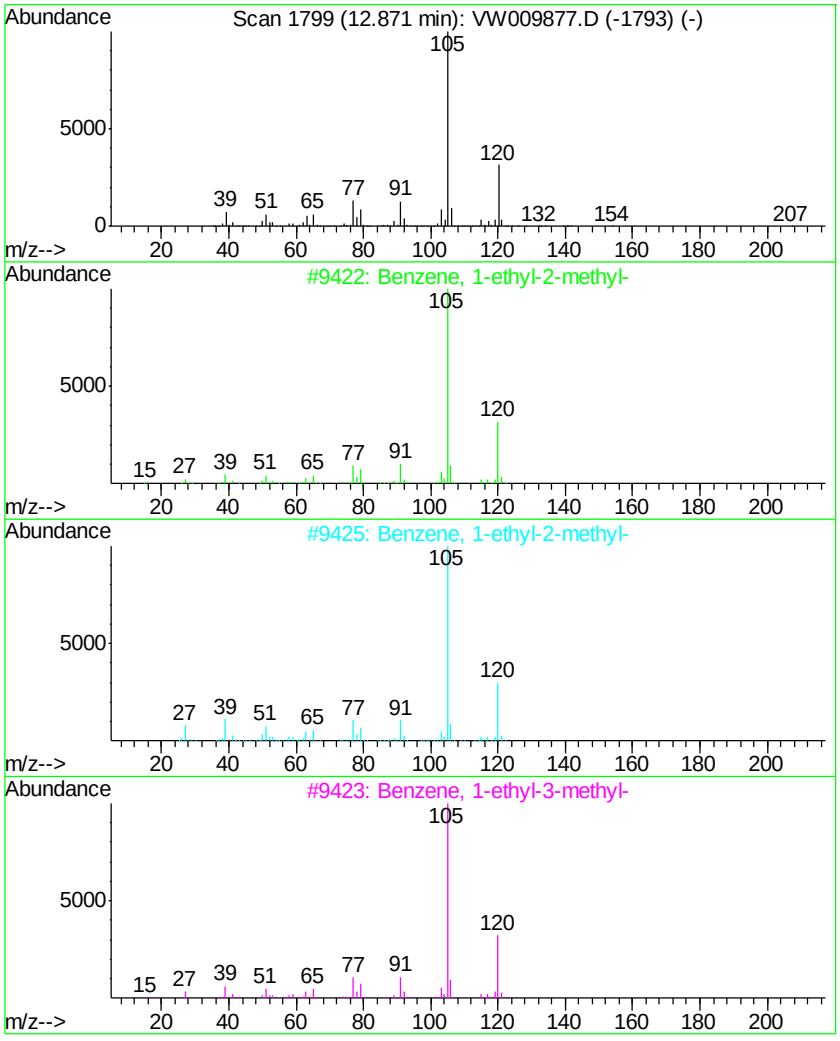
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

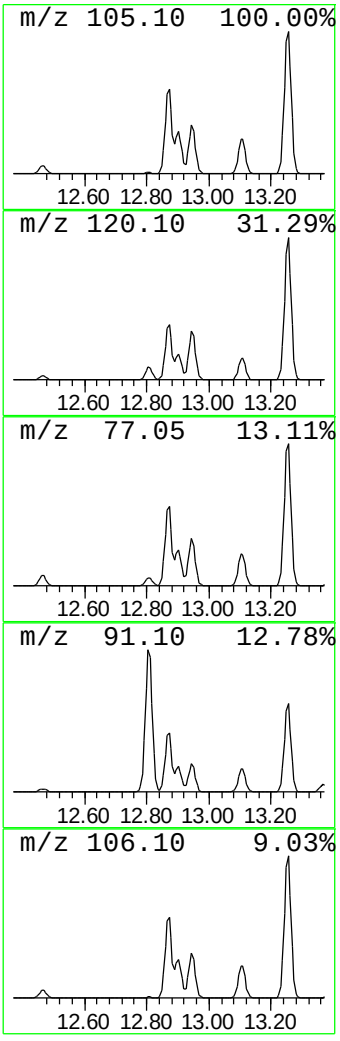
****

Peak Number 34 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	47.34 ug/L	15077400	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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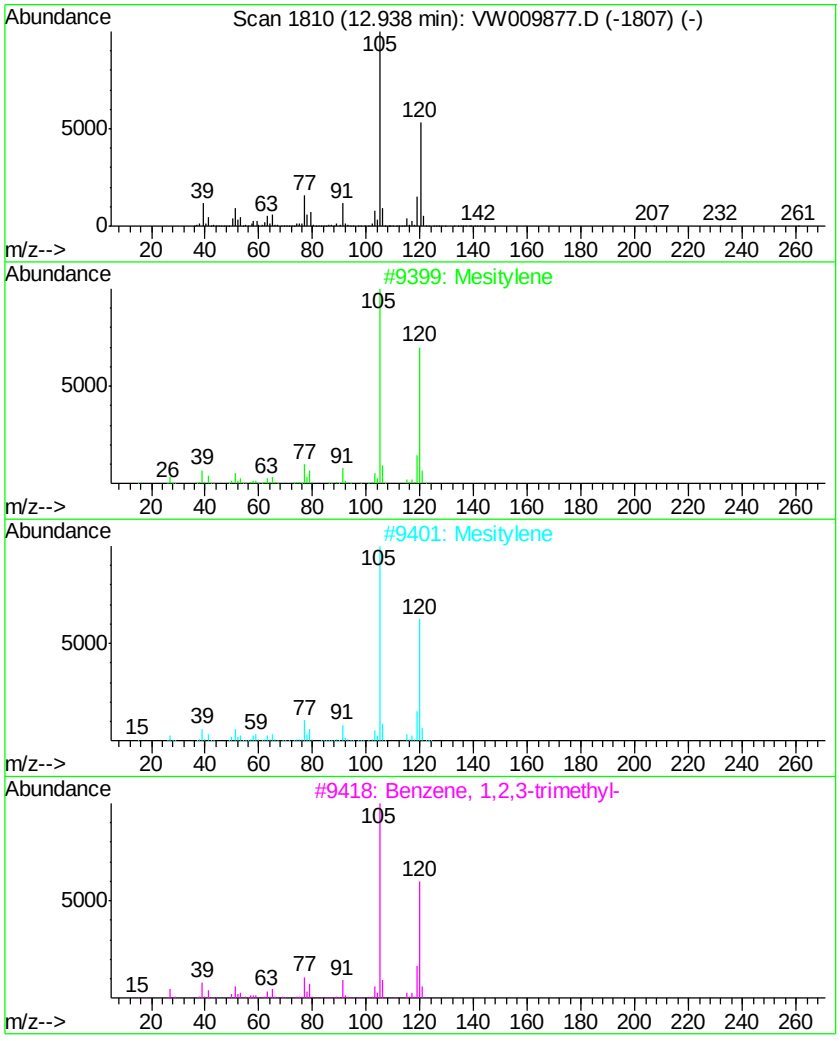
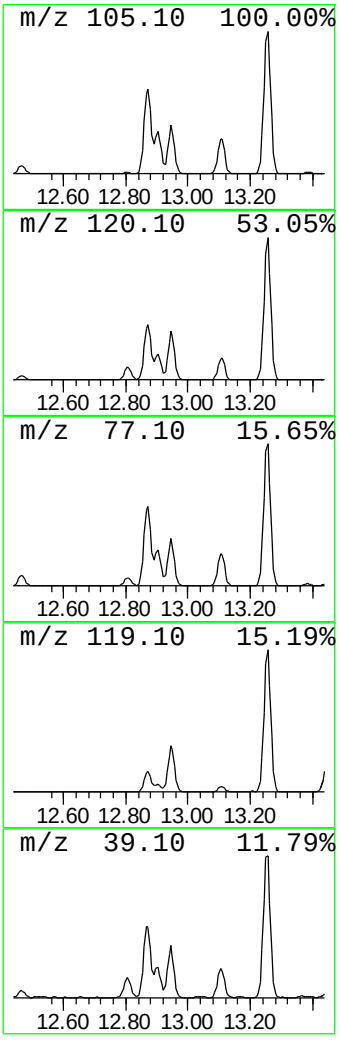
Peak Number 36 Mesitylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	27.82 ug/L	8862250	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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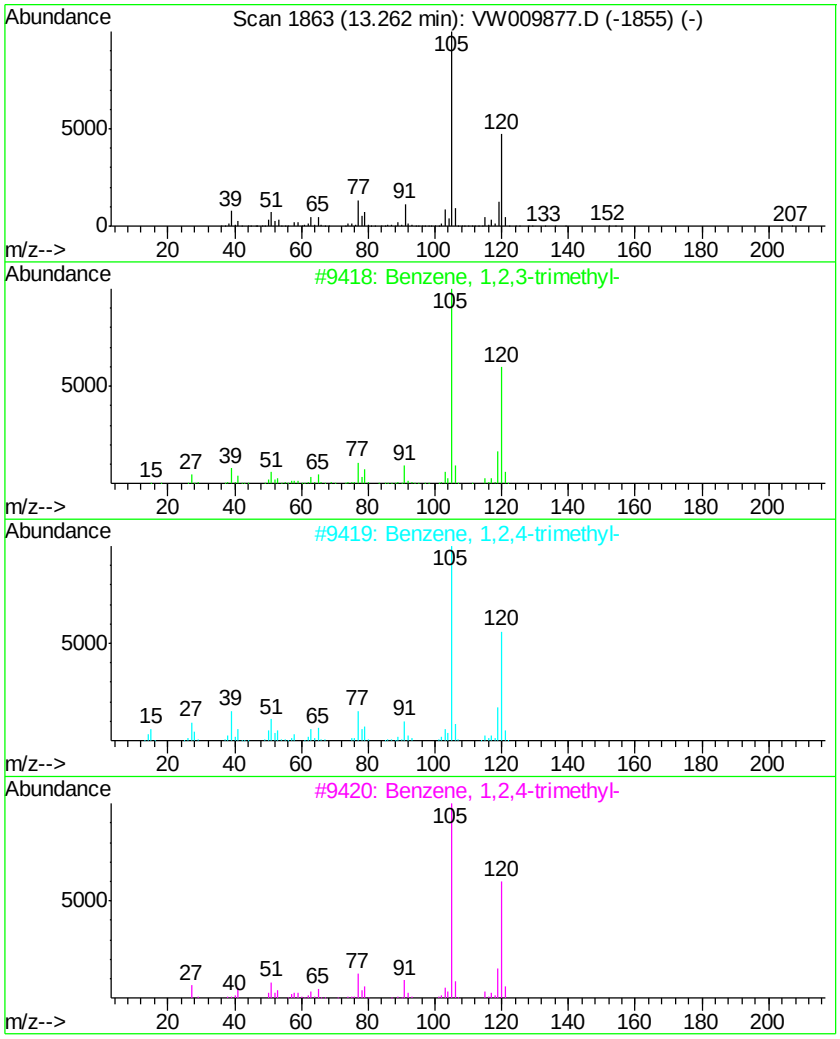
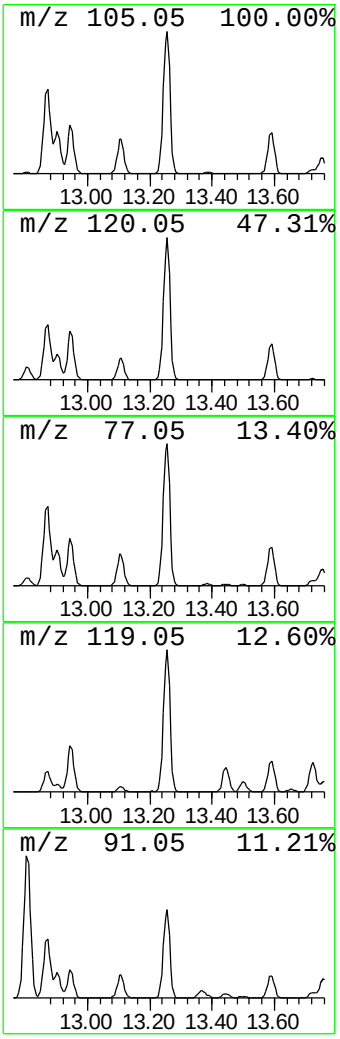
Peak Number 38 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	83.86 ug/L	26708900	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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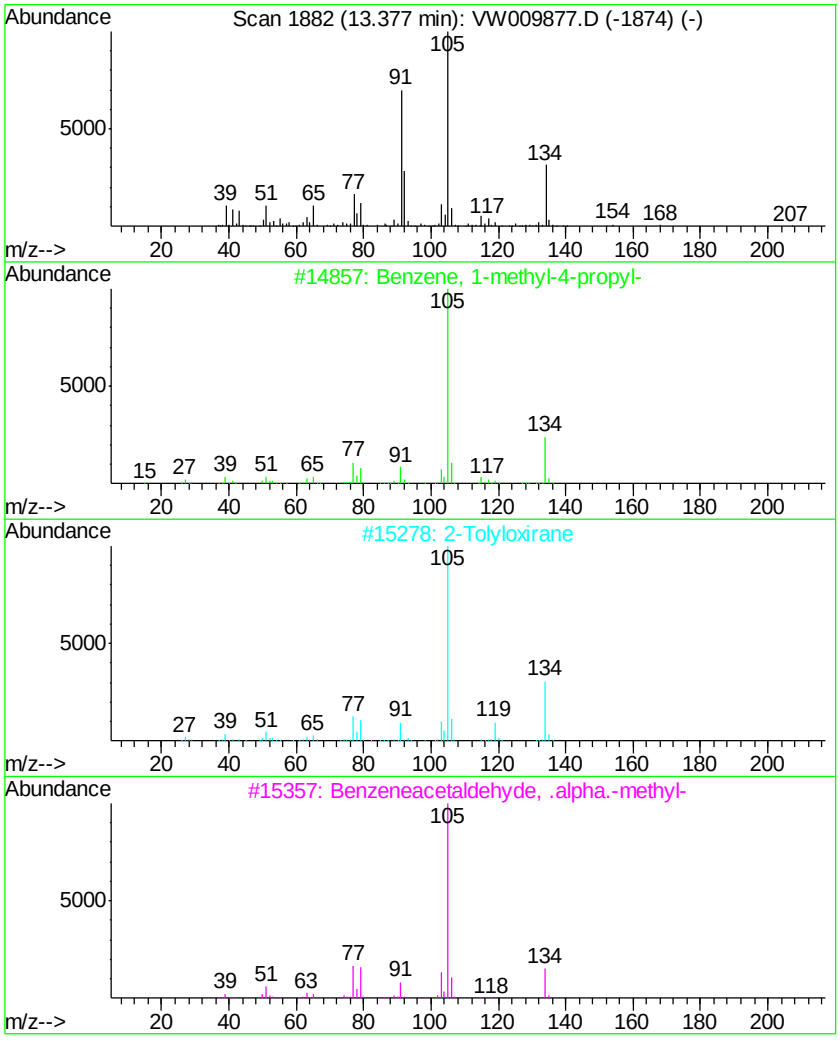
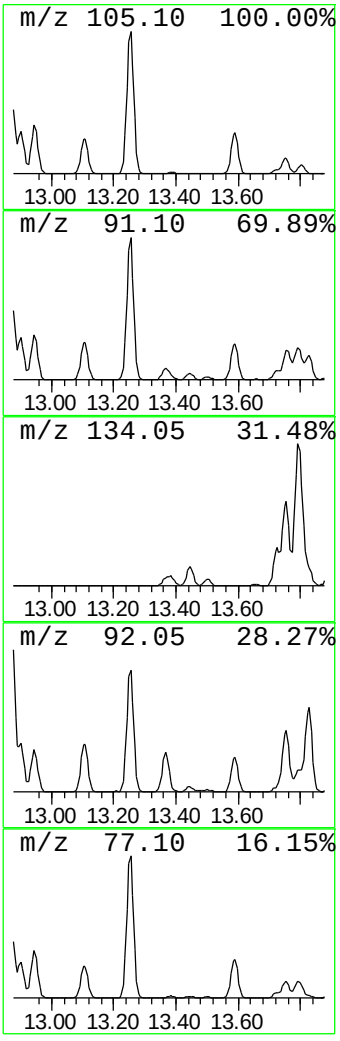
Peak Number 39 Benzene, 1-methyl-4-propyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	1.78 ug/L	566880	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	2-Tolyloxirane	134	C9H10O	002783-26-8	83
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	74





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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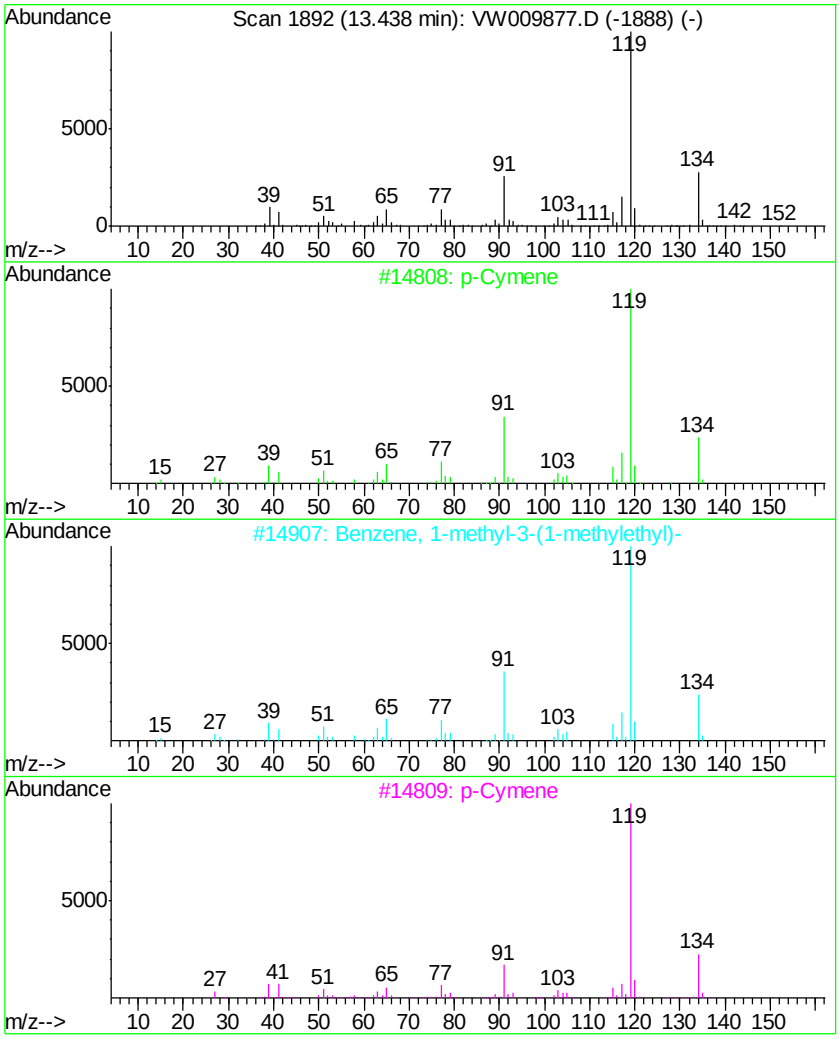
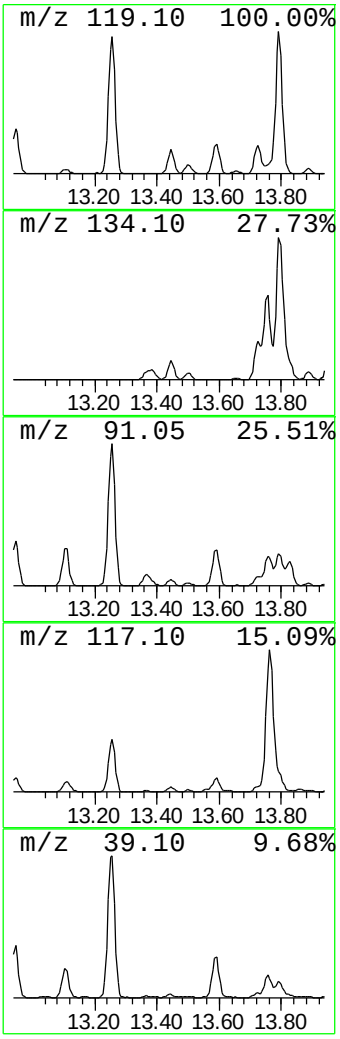
Peak Number 40 p-Cymene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	1.71 ug/L	544476	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

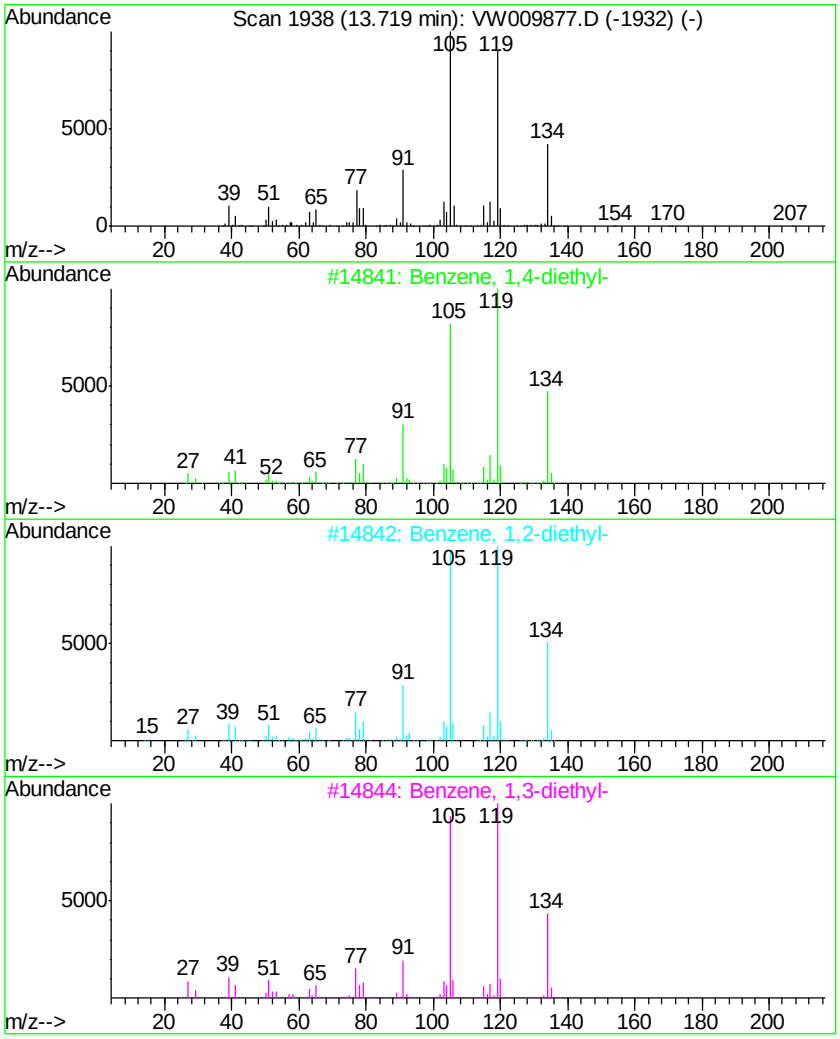
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

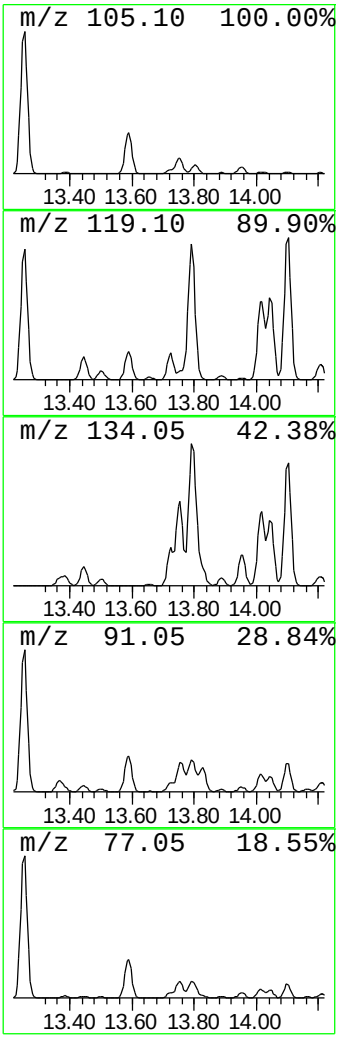
****

Peak Number 41 Benzene, 1,4-diethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.38 ug/L	1077410	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





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Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

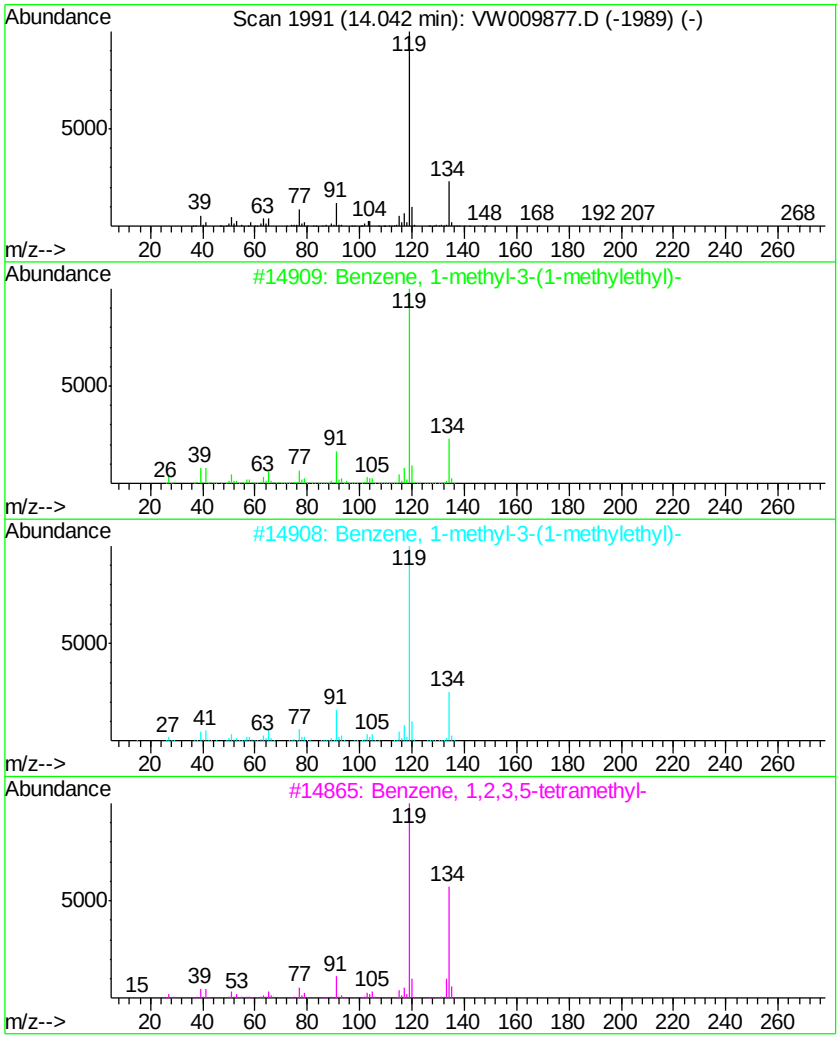
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

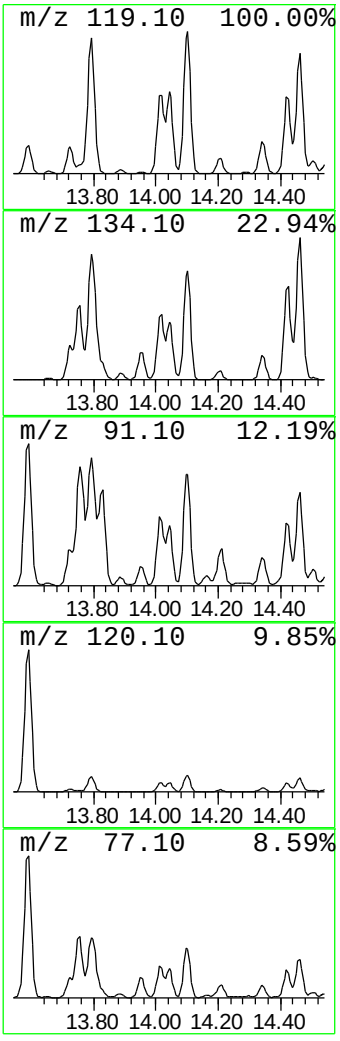
****

Peak Number 46 Benzene, 1-methyl-3-(1-meth... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	5.24 ug/L	1669200	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	p-Cymene	134	C10H14	000099-87-6	91





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

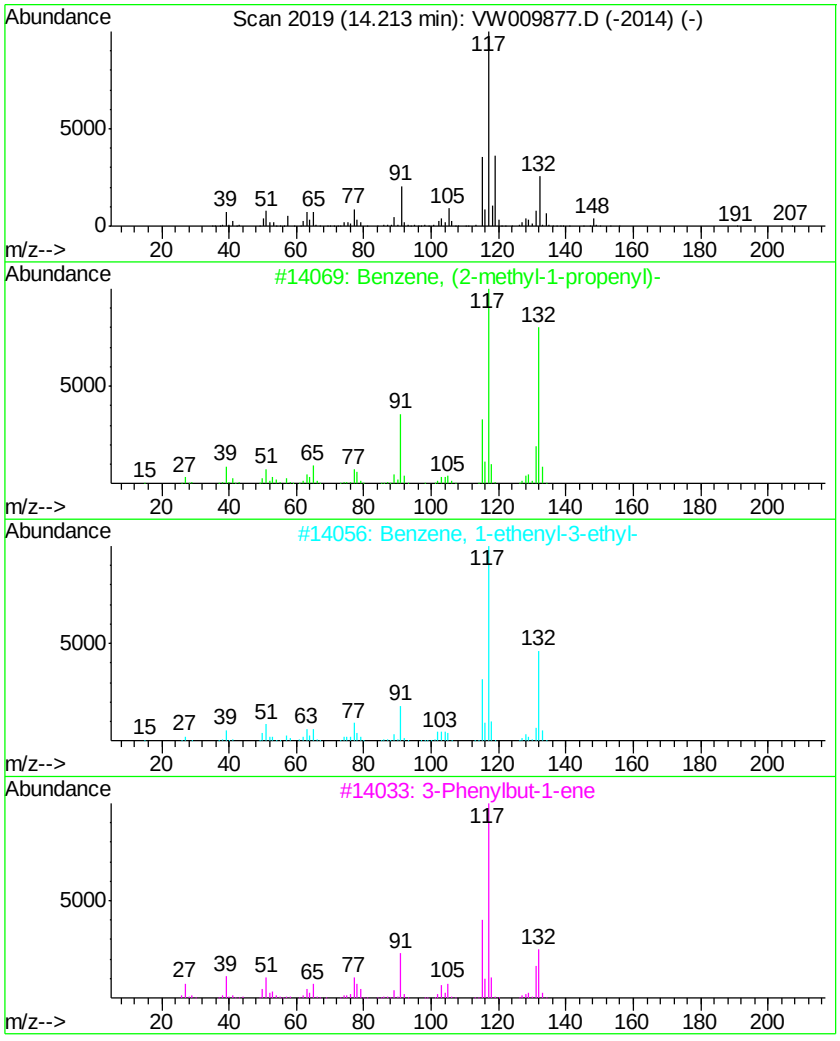
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

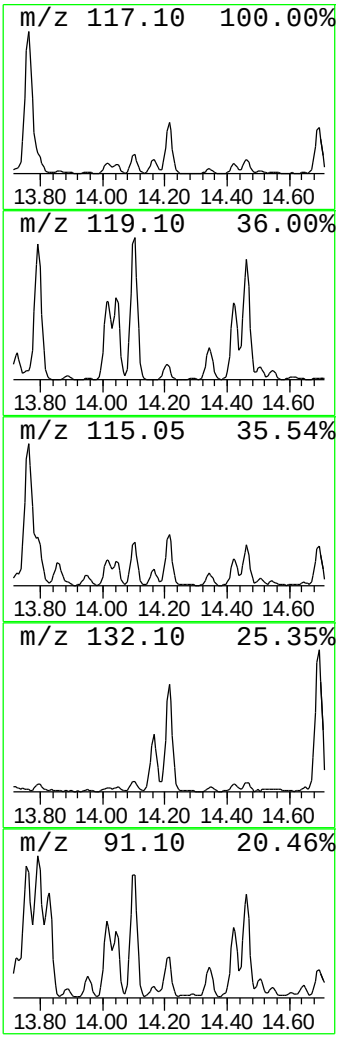
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, (2-methyl-1-propen... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	4.13 ug/L	1314940	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68





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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

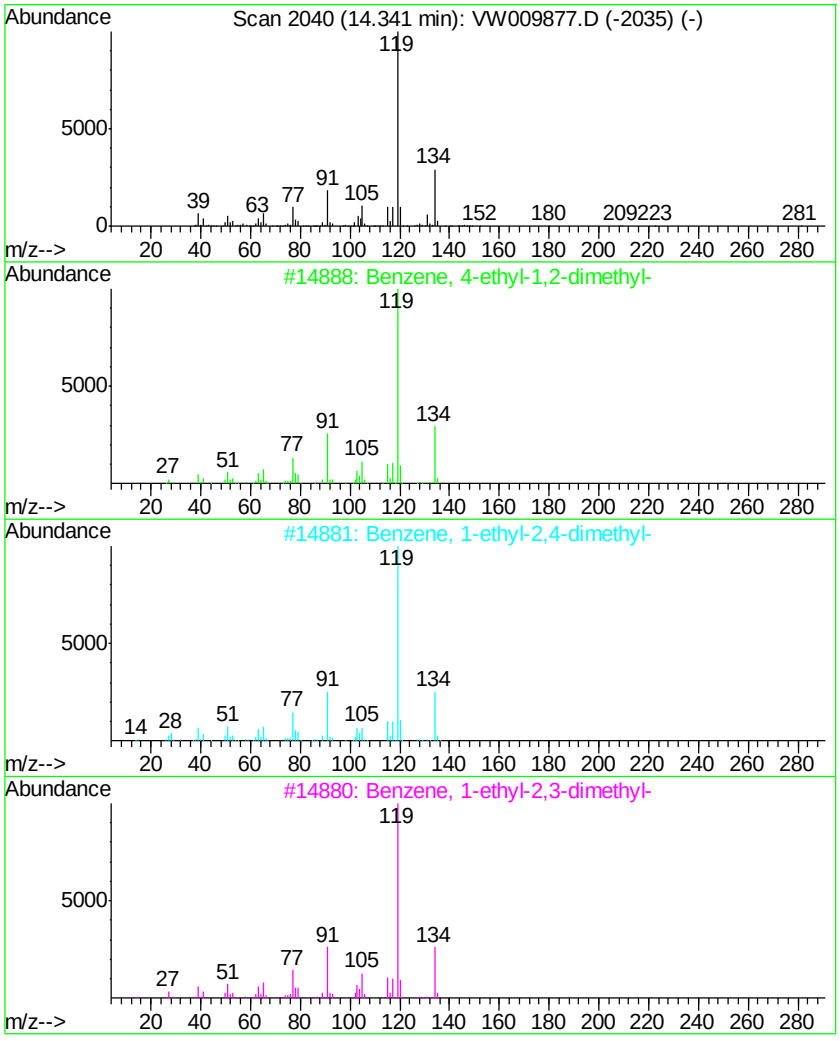
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

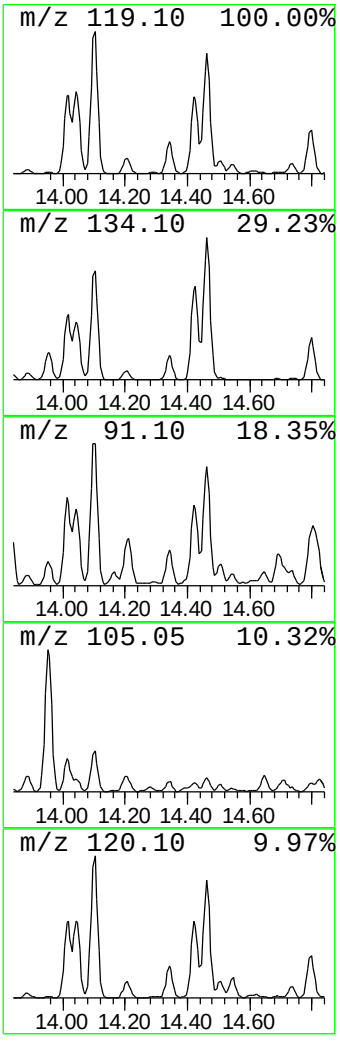
****

Peak Number 49 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.43 ug/L	775186	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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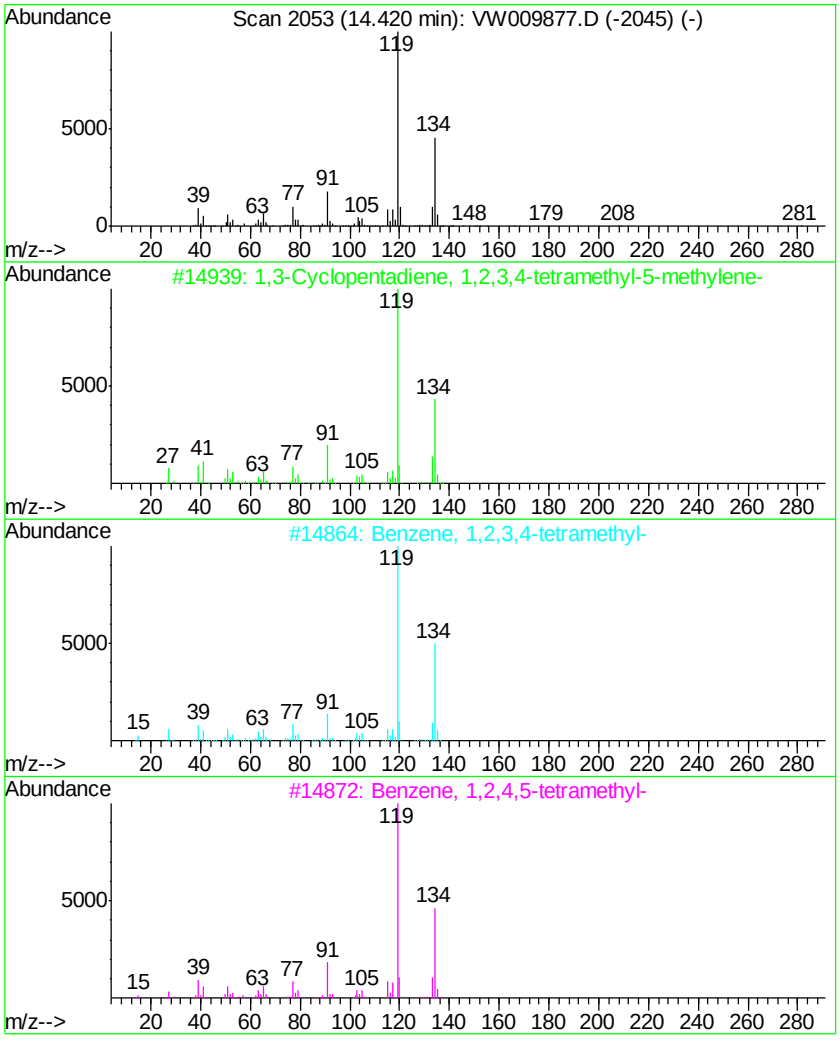
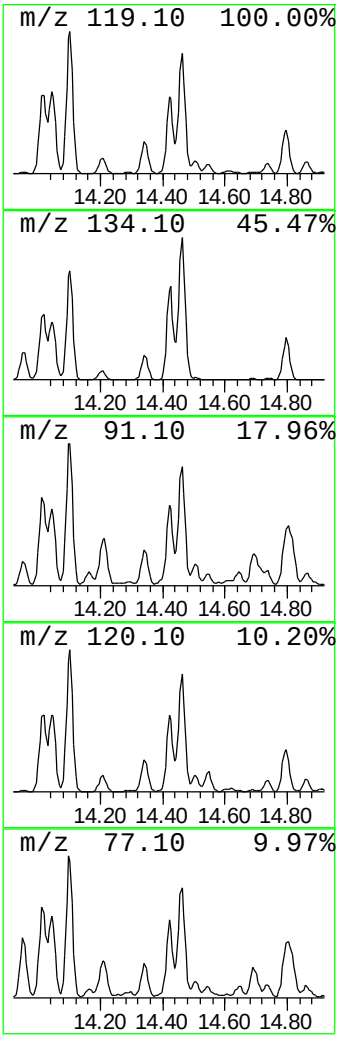
Peak Number 50 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	6.48 ug/L	2064960	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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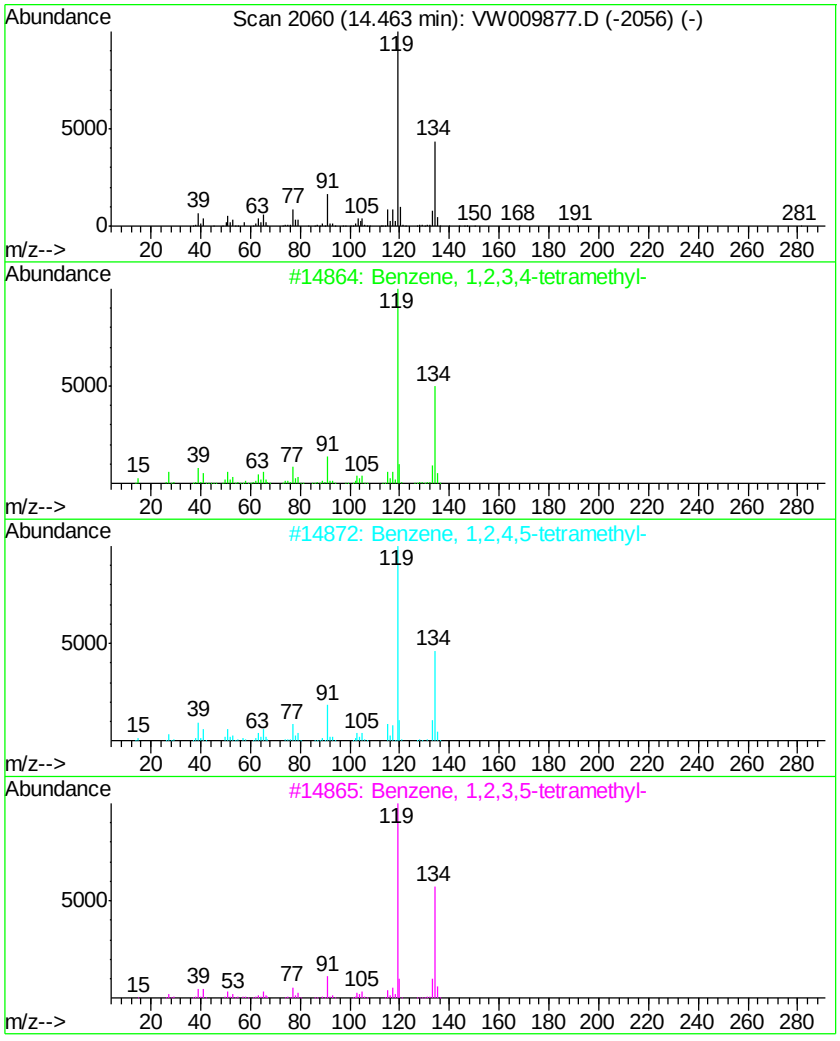
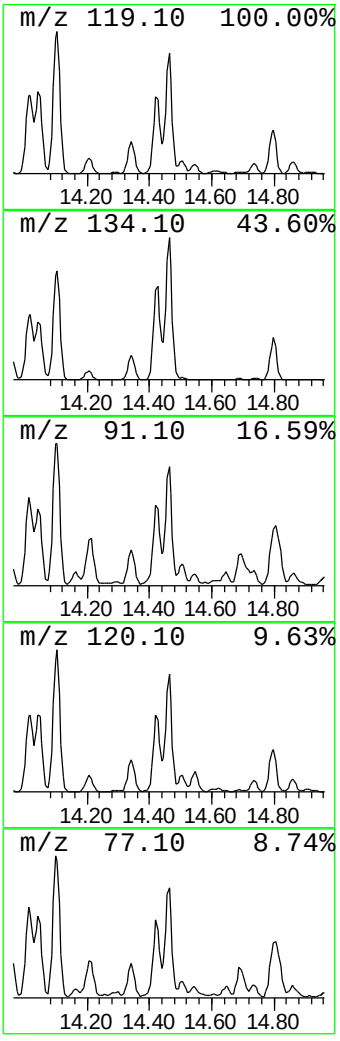
Peak Number 51 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	9.30 ug/L	2961390	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95





Library Search Compound Report

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Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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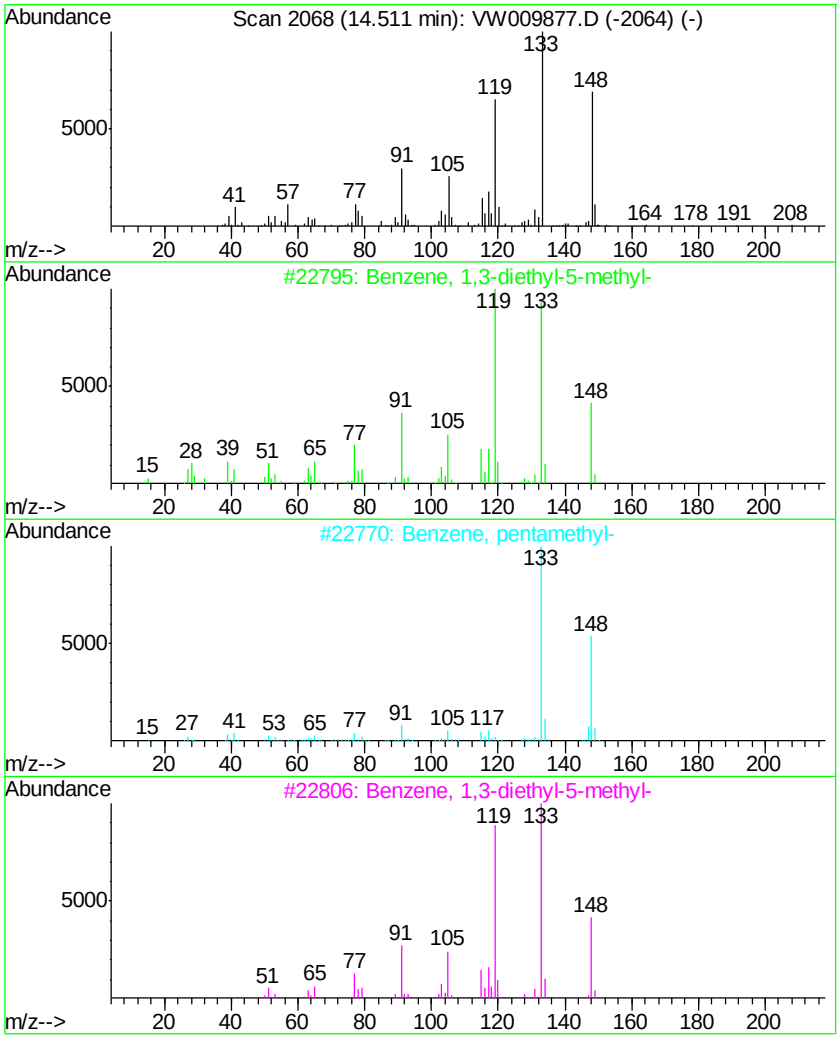
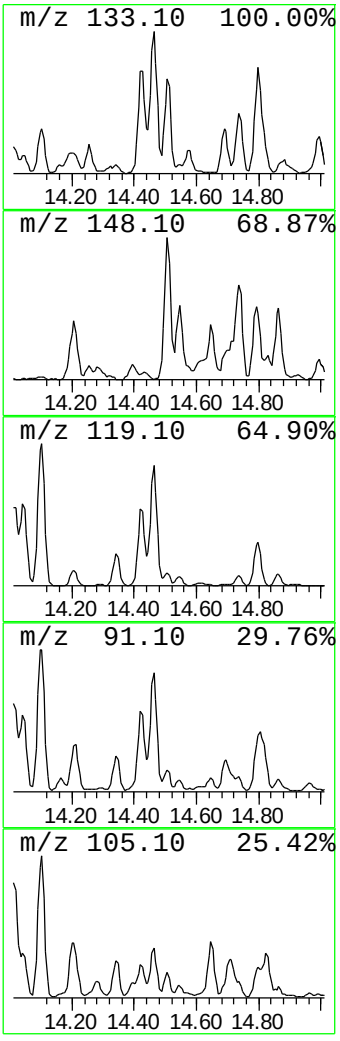
Peak Number 52 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	1.34 ug/L	426241	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	58
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	58
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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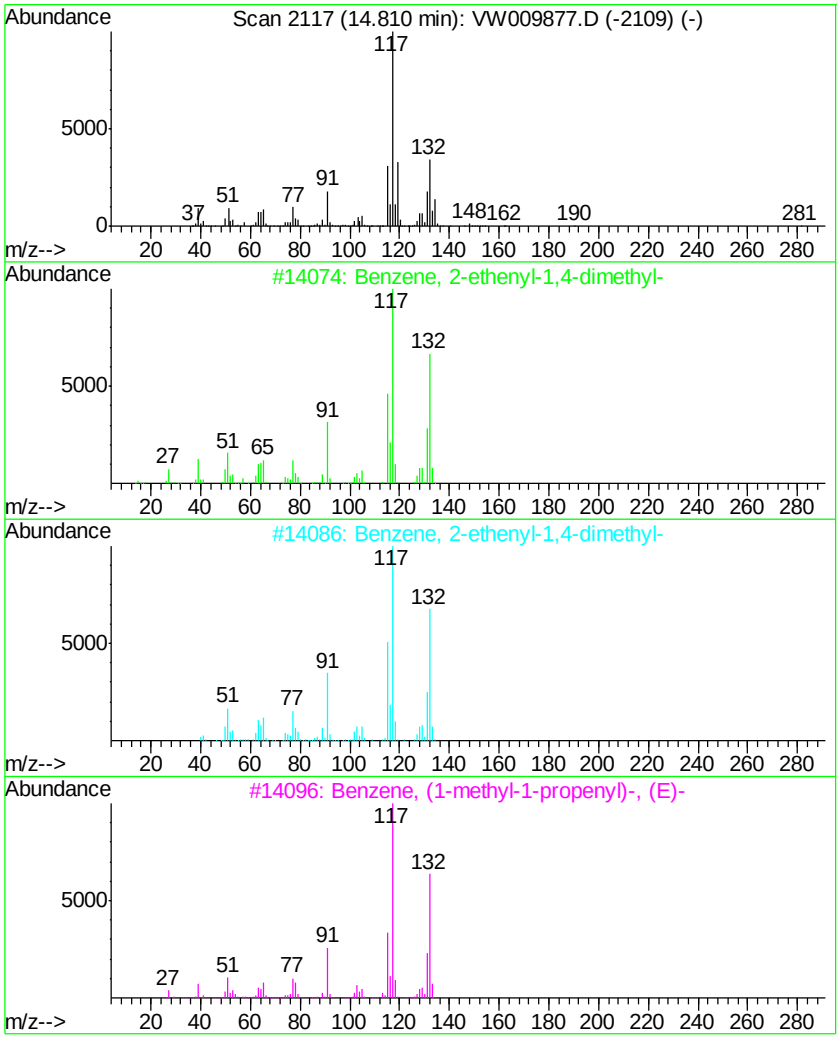
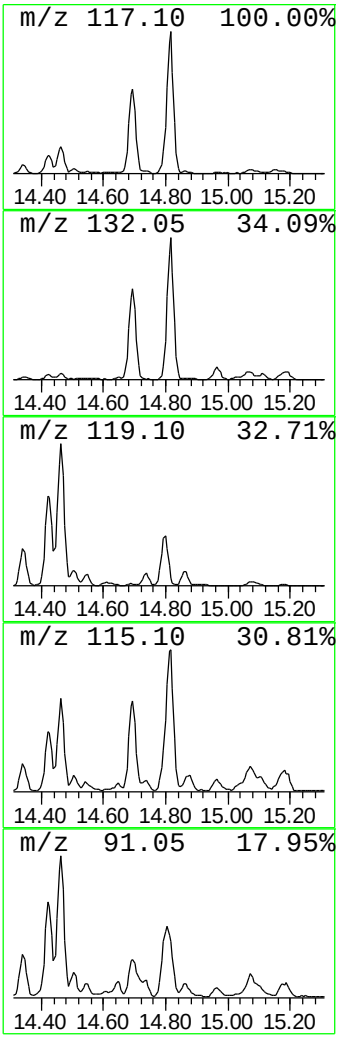
Peak Number 54 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	8.45 ug/L	2690770	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

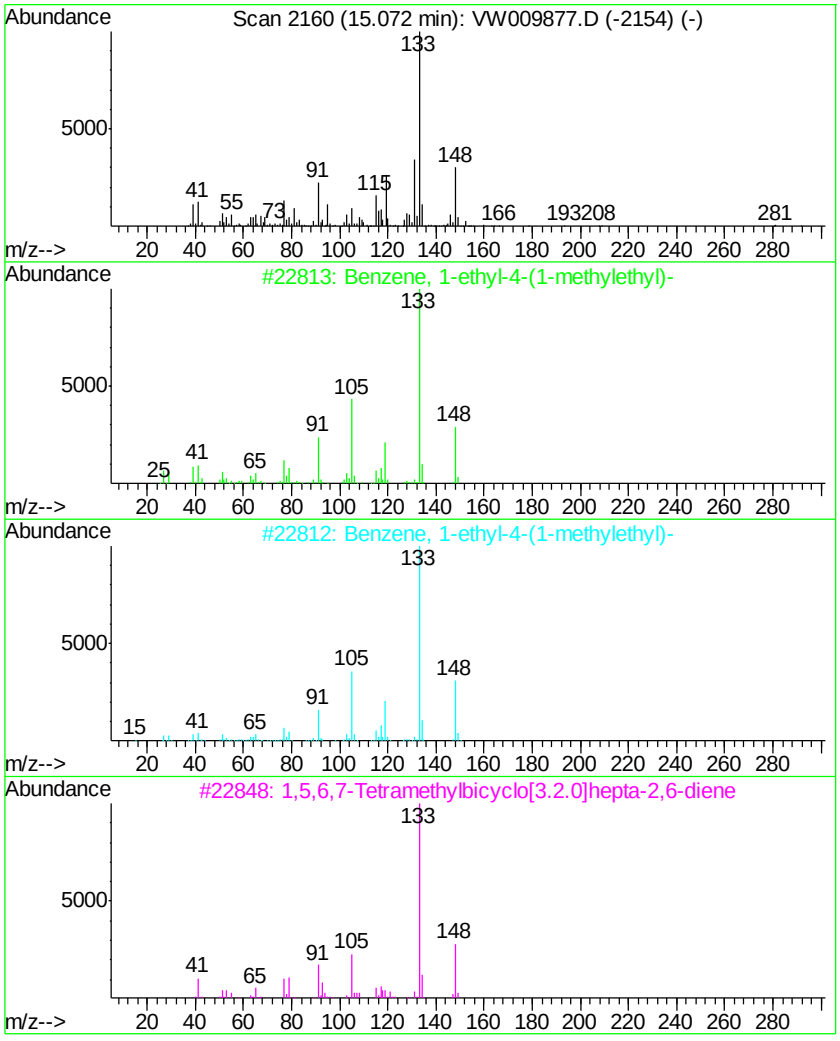
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

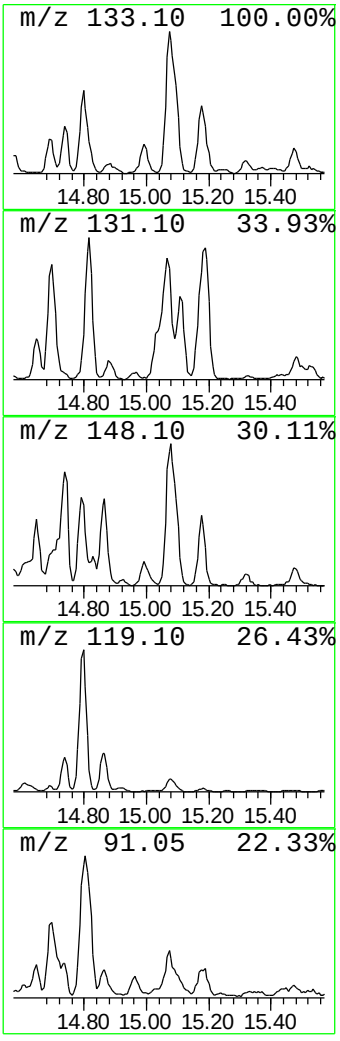
****

Peak Number 55 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.41 ug/L	1086620	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	58
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

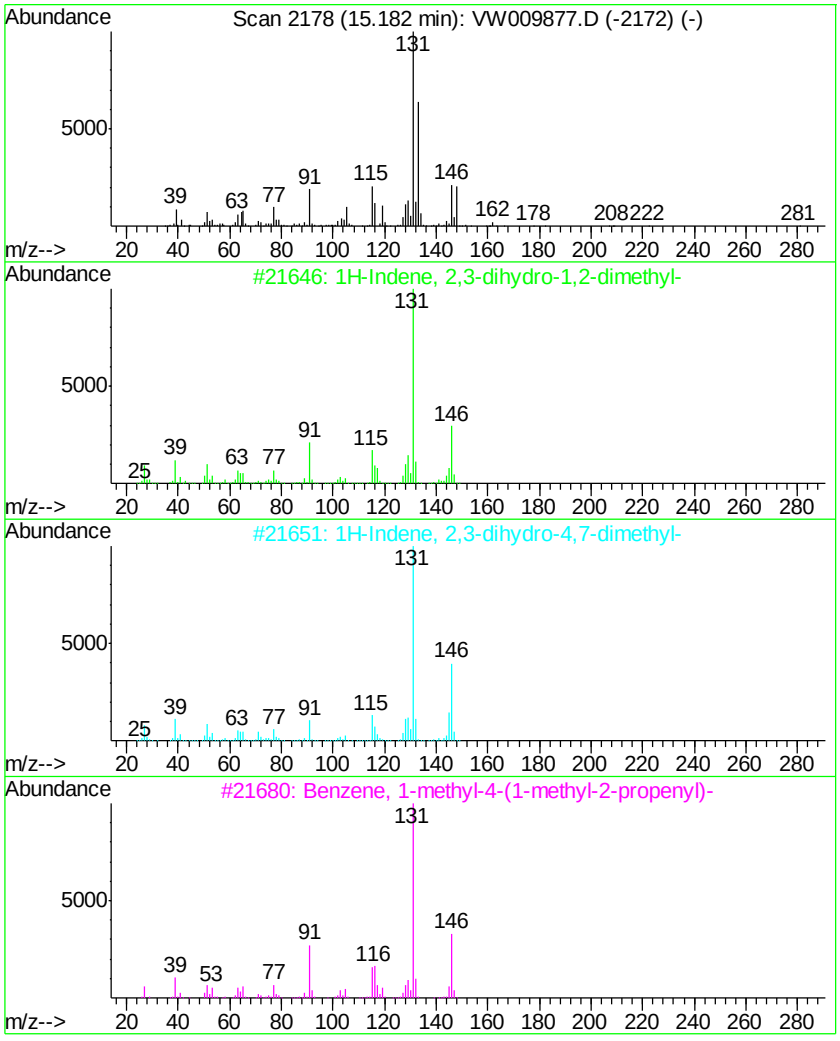
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

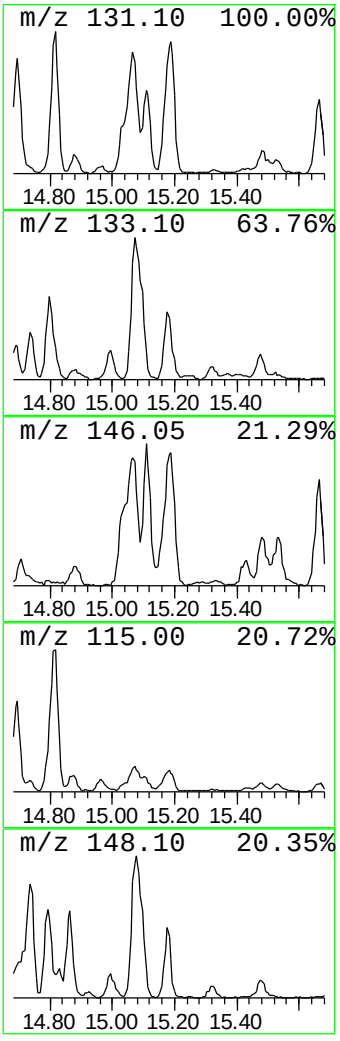
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	1.64 ug/L	521219	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.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
Ethane, 1-chloro-...	2.82	3.2	ug/L	211537	1	8.84	1660070	25.0
(DEL) Alkane: Str...	3.03	4.8	ug/L	319287	1	8.84	1660070	25.0
(DEL) Alkane: Str...	3.39	5.8	ug/L	386837	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	3.84	7.2	ug/L	475711	1	8.84	1660070	25.0
Propane, 2-ethoxy...	5.17	1.6	ug/L	107720	1	8.84	1660070	25.0
(DEL) Alkane: Str...	5.43	8.7	ug/L	578807	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	5.76	1.6	ug/L	108680	1	8.84	1660070	25.0
(DEL) Alkane: Str...	5.93	10.4	ug/L	690858	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	6.22	1.6	ug/L	106449	1	8.84	1660070	25.0
3-Penten-2-one	6.28	2.9	ug/L	192154	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	6.72	2.3	ug/L	153473	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	6.98	13.3	ug/L	885640	1	8.84	1660070	25.0
(DEL) Alkane: Str...	8.03	5.0	ug/L	330095	1	8.84	1660070	25.0
(DEL) Alkane: Str...	8.15	12.7	ug/L	843001	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	8.43	4.3	ug/L	284493	1	8.84	1660070	25.0
unknown-02	8.49	14.9	ug/L	989322	1	8.84	1660070	25.0
(DEL) Alkane: Cyc...	8.57	4.1	ug/L	269784	1	8.84	1660070	25.0
(DEL) Alkane: Str...	8.70	12.7	ug/L	844773	1	8.84	1660070	25.0
3,5-Dimethylcyclo...	9.11	1.9	ug/L	128084	1	8.84	1660070	25.0
Propane, 2-methyl...	9.54	19.6	ug/L	1302460	1	8.84	1660070	25.0
(DEL) Alkane: Str...	9.76	7.3	ug/L	483380	1	8.84	1660070	25.0
Cyclopentene, 1,5...	9.85	2.6	ug/L	170141	1	8.84	1660070	25.0
(DEL) Alkane: Str...	9.90	7.8	ug/L	520002	1	8.84	1660070	25.0
(DEL) Alkane: Str...	9.96	5.0	ug/L	328433	1	8.84	1660070	25.0
(DEL) Alkane: Str...	10.10	8.0	ug/L	531685	1	8.84	1660070	25.0
(DEL) Alkane: Str...	10.51	12.7	ug/L	637540	2	11.63	1254490	25.0
unknown-03	10.75	4.6	ug/L	230256	2	11.63	1254490	25.0
(DEL) Alkane: Str...	10.84	2.5	ug/L	126031	2	11.63	1254490	25.0
(DEL) Alkane: Str...	11.41	7.4	ug/L	371864	2	11.63	1254490	25.0
Octane, 3-methyl-	11.51	4.4	ug/L	220114	2	11.63	1254490	25.0
Cyclohexane, 1-me...	12.52	2.8	ug/L	142489	2	11.63	1254490	25.0
Benzene, propyl-	12.80	11.3	ug/L	3596290	3	13.56	7962810	25.0
Benzene, 1-ethyl-...	12.87	47.3	ug/L	15077400	3	13.56	7962810	25.0
Mesitylene	12.94	27.8	ug/L	8862250	3	13.56	7962810	25.0
Benzene, 1,2,3-tr...	13.26	83.9	ug/L	26708900	3	13.56	7962810	25.0
Benzene, 1-methyl...	13.38	1.8	ug/L	566880	3	13.56	7962810	25.0
p-Cymene	13.44	1.7	ug/L	544476	3	13.56	7962810	25.0
Benzene, 1,4-diet...	13.72	3.4	ug/L	1077410	3	13.56	7962810	25.0
Benzene, 1-methyl...	14.04	5.2	ug/L	1669200	3	13.56	7962810	25.0
Benzene, (2-methy...	14.21	4.1	ug/L	1314940	3	13.56	7962810	25.0
Benzene, 4-ethyl-...	14.34	2.4	ug/L	775186	3	13.56	7962810	25.0
1,3-Cyclopentadie...	14.42	6.5	ug/L	2064960	3	13.56	7962810	25.0
Benzene, 1,2,3,4-...	14.46	9.3	ug/L	2961390	3	13.56	7962810	25.0
Benzene, 1,3-diet...	14.51	1.3	ug/L	426241	3	13.56	7962810	25.0
Benzene, 2-etheny...	14.81	8.4	ug/L	2690770	3	13.56	7962810	25.0
Benzene, 1-ethyl-...	15.07	3.4	ug/L	1086620	3	13.56	7962810	25.0
1H-Indene, 2,3-di...	15.18	1.6	ug/L	521219	3	13.56	7962810	25.0