LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

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\SOM2WLM113018S.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	2.178	42	45	50	rVB2	4134	5988	0.03%	0.004%
2	2.349	68	73	80	rBV	29294	44643	0.26%	0.033%
3	2.501	95	98	104	rVB2	1087	1789	0.01%	0.001%
4	2.885	154	161	172	rVV	20504	41087	0.24%	0.031%
5	3.032	176	185	197	rVB	159610	338186	1.96%	0.252%
6	3.269	219	224	232	rVB5	735	1910	0.01%	0.001%
7	4.019	336	347	355	rBV	58364	150597	0.87%	0.112%
8	4.111	355	362	378	rVB3	15418	50847	0.29%	0.038%
9	4.903	475	492	514	rBV	73674	298765	1.73%	0.223%
10	5.446	564	581	597	rBV	600279	2032004	11.76%	1.515%
11	5.940	655	662	671	rBV5	1596	4753	0.03%	0.004%
12	6.720	778	790	804	rVV	33495	108002	0.62%	0.081%
13	6.878	804	816	829	rVV	87629	269924	1.56%	0.201%
14	6.988	829	834	841	rVB4	2142	5179	0.03%	0.004%
15	7.080	841	849	855	rBV2	11489	33134	0.19%	0.025%
16	7.153	855	861	875	rVB5	11993	46565	0.27%	0.035%
17	7.653	933	943	948	rBV	68785	186740	1.08%	0.139%
18	7.958	981	993	1000	rBV	1567699	3985323	23.06%	2.972%
19	8.037	1000	1006	1018	rVB	468647	1140177	6.60%	0.850%
20	8.153	1018	1025	1026	rBV	16761	22575	0.13%	0.017%
21	8.226	1028	1037	1043	rBV	635127	1571121	9.09%	1.172%
22	8.439	1059	1072	1078	rBV2	2027029	4818552	27.88%	3.593%
23	8.512	1078	1084	1089	rVV	1827424	4047516	23.42%	3.018%
24	8.579	1089	1095	1110	rVB	3078107	6917865	40.02%	5.159%
25	8.848	1130	1139	1150	rVB	203046	399493	2.31%	0.298%
26	9.024	1161	1168	1172	rBV3	2560	5544	0.03%	0.004%
27	9.073	1173	1176	1181	rVB4	2793	3821	0.02%	0.003%
28	9.152	1181	1189	1198	rVB	21811	44990	0.26%	0.034%
29	9.341	1200	1220	1236	rBV	6181323	17284786	100.00%	12.890%
30	9.469	1236	1241	1244	rBV2	8660	14613	0.08%	0.011%
31	9.518	1244	1249	1254	rBV	47086	77546	0.45%	0.058%
32	9.610	1254	1264	1274	rVB	1304308	2662360	15.40%	1.985%
33	9.756	1278	1288	1298	rVB	1666703	3261510	18.87%	2.432%
34	9.854	1298	1304	1306	rBV	22509	37289	0.22%	0.028%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

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\SOM2WLM113018S.M
Title : VOC Analysis

35	9.902	1306	1312	1316	rBV	210218	397474	2.30%	0.296%
36	9.945	1316	1319	1327	rVB	201762	341724	1.98%	0.255%
37	10.036	1328	1334	1335	rBV	54056	72553	0.42%	0.054%
38	10.085	1336	1342	1346	rBV	516194	951275	5.50%	0.709%
39	10.128	1346	1349	1357	rVB	203676	352366	2.04%	0.263%
40	10.244	1357	1368	1374	rBV2	248678	721794	4.18%	0.538%
41	10.323	1374	1381	1385	rBV	2949491	5685800	32.89%	4.240%
42	10.451	1396	1402	1404	rBV	383641	631520	3.65%	0.471%
43	10.506	1404	1411	1419	rVB3	1224738	3210978	18.58%	2.395%
44	10.622	1419	1430	1433	rBV3	413289	990543	5.73%	0.739%
45	10.670	1433	1438	1445	rVB	1836989	3365203	19.47%	2.510%
46	10.762	1445	1453	1458	rBV2	729837	1482655	8.58%	1.106%
47	10.847	1464	1467	1472	rVB	230888	364940	2.11%	0.272%
48	10.939	1472	1482	1487	rBV2	721864	1355887	7.84%	1.011%
49	11.000	1487	1492	1494	rVV	141551	235751	1.36%	0.176%
50	11.036	1495	1498	1507	rVB2	292538	663141	3.84%	0.495%
51	11.183	1507	1522	1526	rBV	2092767	4809270	27.82%	3.586%
52	11.231	1526	1530	1536	rVV	2186098	4034317	23.34%	3.009%
53	11.286	1536	1539	1542	rVV	280391	404783	2.34%	0.302%
54	11.335	1542	1547	1552	rVV3	795046	1406099	8.13%	1.049%
55	11.384	1552	1555	1559	rVB	187326	268620	1.55%	0.200%
56	11.439	1559	1564	1571	rVB	890659	1498251	8.67%	1.117%
57	11.506	1571	1575	1579	rBV	140741	220960	1.28%	0.165%
58	11.561	1579	1584	1591	rBV2	175094	329527	1.91%	0.246%
59	11.634	1591	1596	1599	rBV	239973	400472	2.32%	0.299%
60	11.725	1606	1611	1615	rBV	476759	798851	4.62%	0.596%
61	11.768	1615	1618	1621	rBV	361893	469371	2.72%	0.350%
62	11.811	1621	1625	1630	rVB3	489718	922048	5.33%	0.688%
63	11.878	1630	1636	1640	rBV	962785	1853308	10.72%	1.382%
64	11.981	1648	1653	1658	rBV3	235836	457545	2.65%	0.341%
65	12.042	1658	1663	1671	rVB3	290955	655341	3.79%	0.489%
66	12.140	1671	1679	1686	rBV2	1027403	2387300	13.81%	1.780%
67	12.256	1695	1698	1702	rVB	831071	1153726	6.67%	0.860%
68	12.304	1702	1706	1707	rBV2	290553	363775	2.10%	0.271%
69	12.347	1708	1713	1718	rBV2	1512233	3601251	20.83%	2.686%
70	12.469	1728	1733	1737	rBV2	414797	714379	4.13%	0.533%
71	12.621	1753	1758	1763	rVB3	187720	332497	1.92%	0.248%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

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\SOM2WLM113018S.M
Title : VOC Analysis

72	12.701	1763	1771	1775	rBV4	650283	1354217	7.83%	1.010%
73	12.786	1780	1785	1793	rVB2	1286598	2931859	16.96%	2.186%
74	12.859	1793	1797	1802	rBV5	344652	693259	4.01%	0.517%
75	12.944	1803	1811	1816	rBV5	795275	2154818	12.47%	1.607%
76	13.085	1830	1834	1838	rBV	301192	408684	2.36%	0.305%
77	13.127	1838	1841	1845	rBV2	128947	209708	1.21%	0.156%
78	13.182	1846	1850	1860	rVB7	376171	866215	5.01%	0.646%
79	13.268	1861	1864	1866	rBV2	176318	254660	1.47%	0.190%
80	13.457	1888	1895	1898	rBV3	639436	1256284	7.27%	0.937%
81	13.560	1909	1912	1916	rVB	195197	261244	1.51%	0.195%
82	13.719	1932	1938	1943	rBV3	325073	810359	4.69%	0.604%
83	13.828	1949	1956	1959	rBV2	272749	699907	4.05%	0.522%
84	13.883	1960	1965	1970	rVB3	1228016	2198137	12.72%	1.639%
85	14.103	1997	2001	2006	rVB	1294030	1866748	10.80%	1.392%
86	14.213	2014	2019	2025	rVB3	1045746	1941884	11.23%	1.448%
87	14.273	2025	2029	2034	rBV3	315072	560809	3.24%	0.418%
88	14.328	2034	2038	2041	rBV4	213710	349086	2.02%	0.260%
89	14.395	2044	2049	2052	rBV2	786772	1329323	7.69%	0.991%
90	14.505	2064	2067	2070	rVB	212210	254621	1.47%	0.190%
91	14.554	2071	2075	2082	rBV3	554638	1202515	6.96%	0.897%
92	14.743	2103	2106	2110	rBV3	247650	400775	2.32%	0.299%
93	14.798	2110	2115	2122	rVV2	3516955	6358729	36.79%	4.742%
94	14.865	2122	2126	2132	rVB3	641923	1132672	6.55%	0.845%
95	15.115	2164	2167	2173	rVB2	421373	683797	3.96%	0.510%
96	15.182	2173	2178	2185	rBV2	743664	1506586	8.72%	1.124%
97	15.334	2198	2203	2208	rBV2	874160	1553549	8.99%	1.159%
98	15.743	2266	2270	2276	rBV4	407109	731777	4.23%	0.546%
99	16.304	2358	2362	2368	rVB	428268	754684	4.37%	0.563%
100	16.450	2381	2386	2399	rVB	659544	1548038	8.96%	1.154%

Sum of corrected areas: 134095433

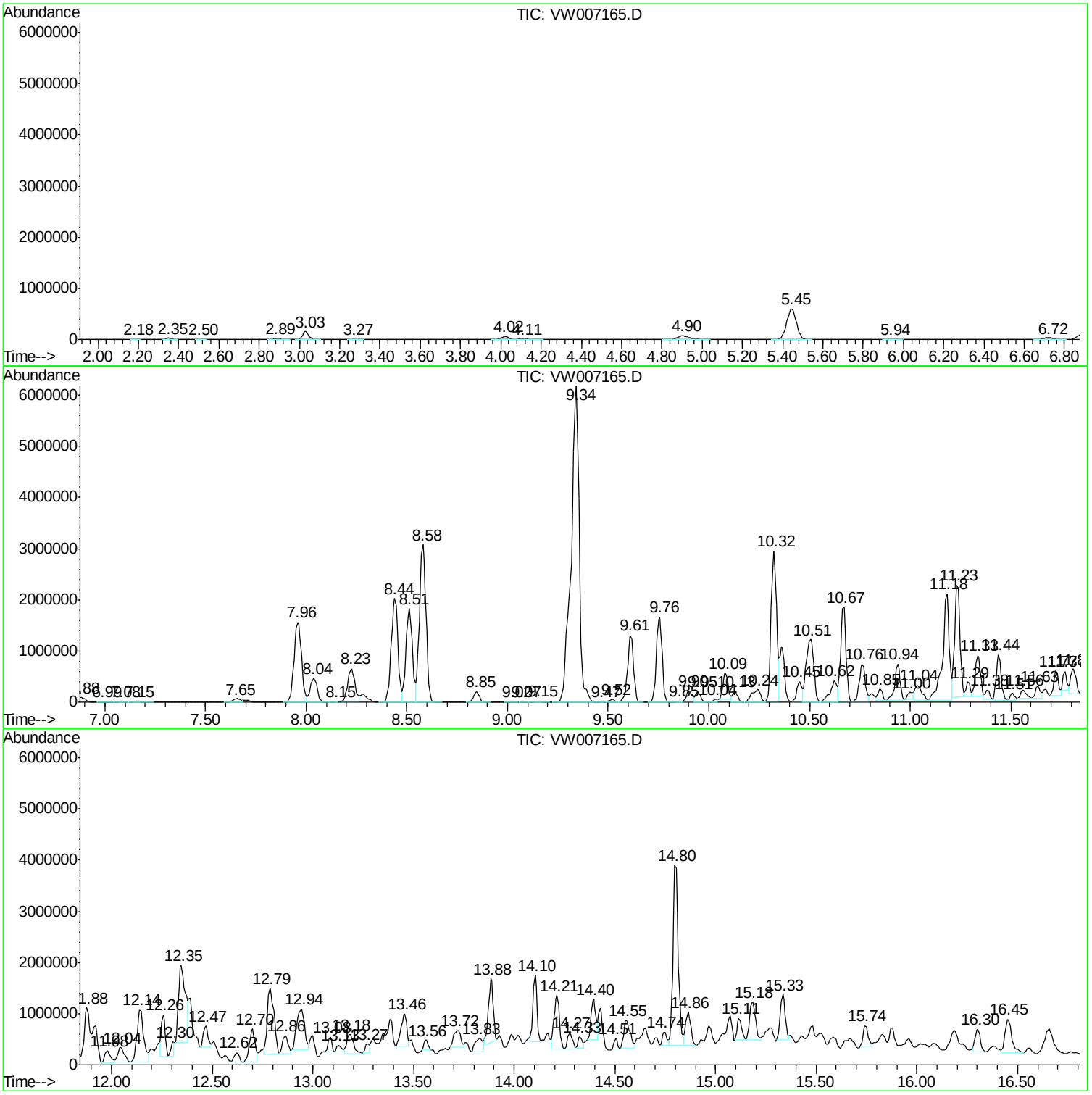
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.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\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

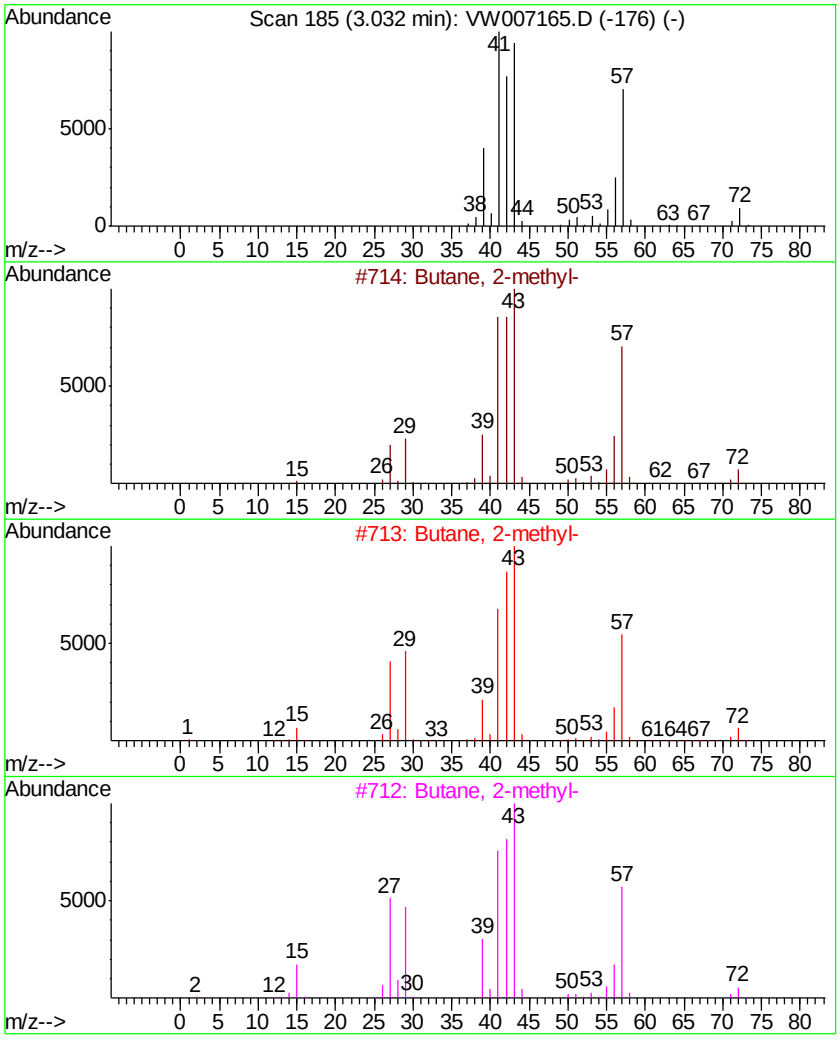
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

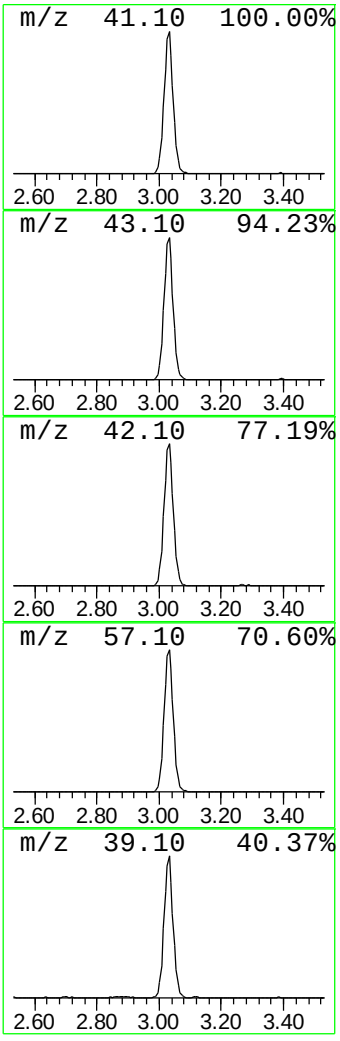
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	21.16 ug/L	338186	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	81
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	Butane, 2-methyl-	72	C5H12	000078-78-4	58
4	3-Buten-1-ol	72	C4H8O	000627-27-0	38
5	3-Buten-1-ol	72	C4H8O	000627-27-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

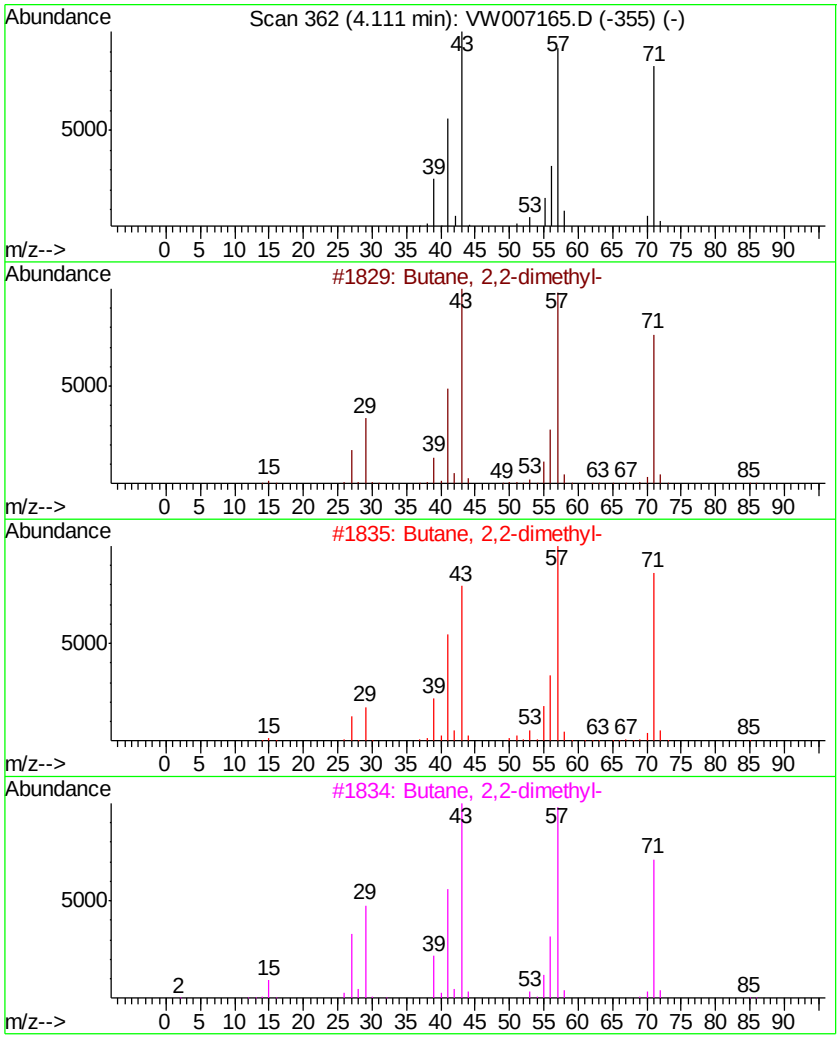
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

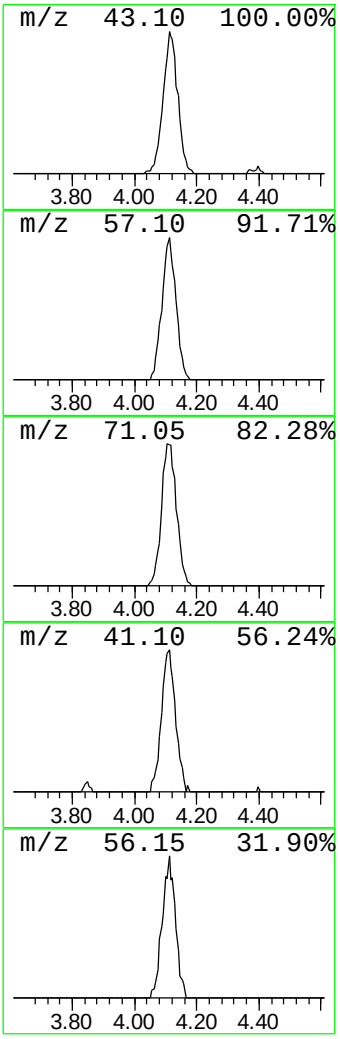
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.11	3.18 ug/L	50847	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	56
5	Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

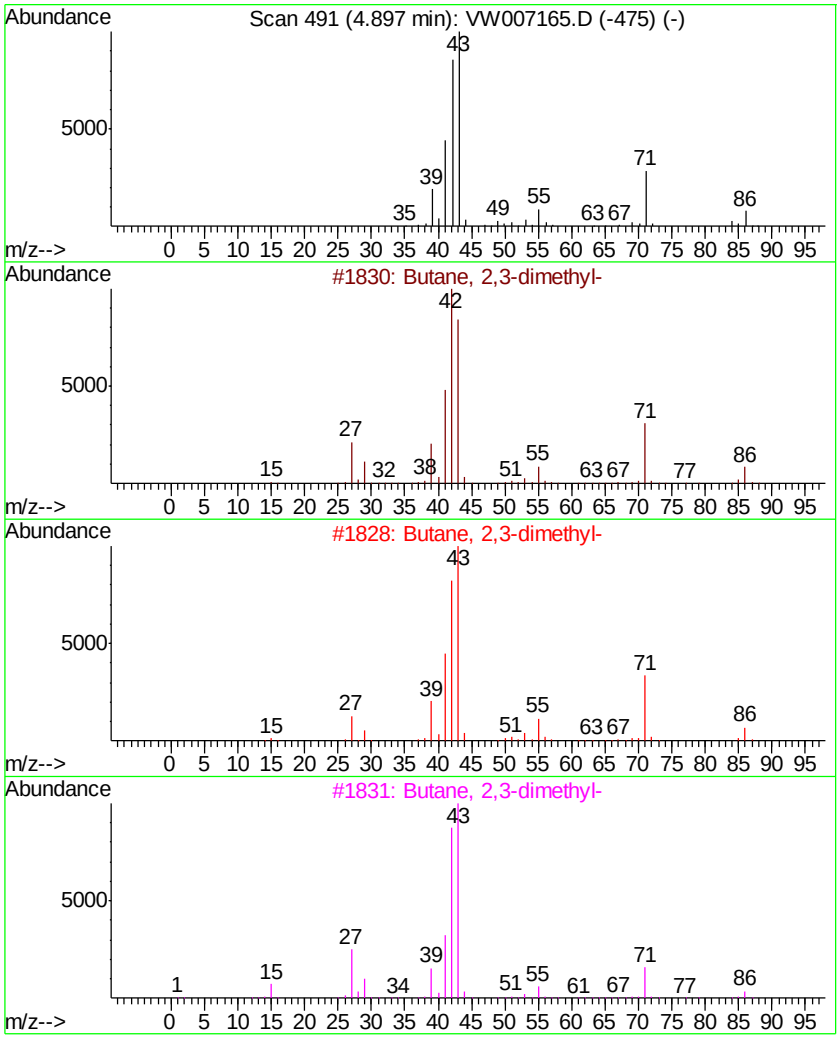
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

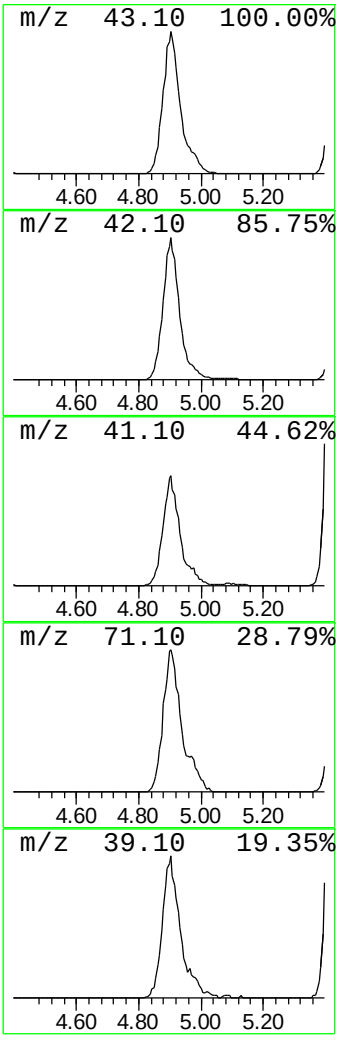
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	18.70 ug/L	298765	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	40
5	Butane, 2-methyl-	72	C5H12	000078-78-4	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

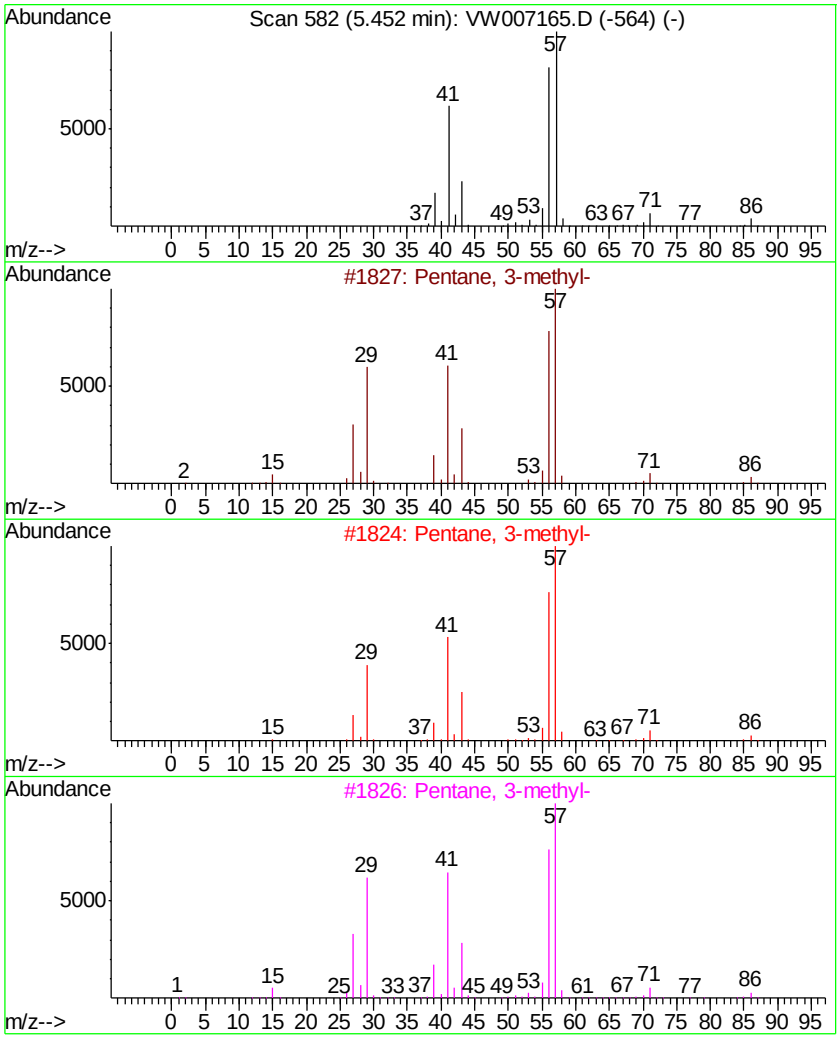
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

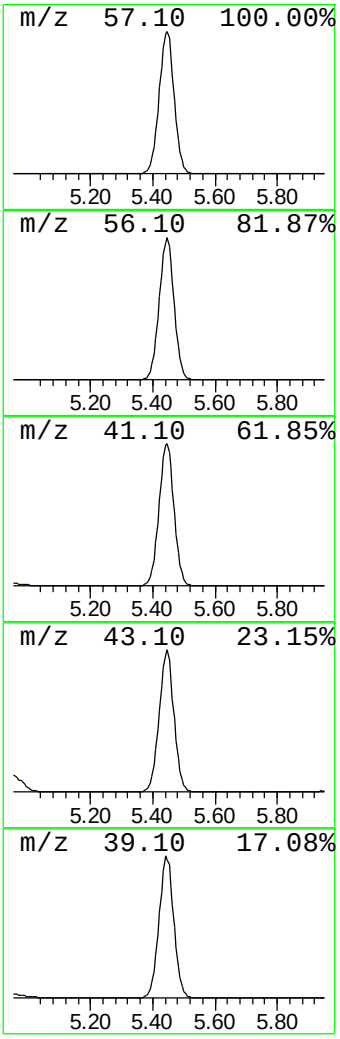
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	127.16 ug/L	2032000	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

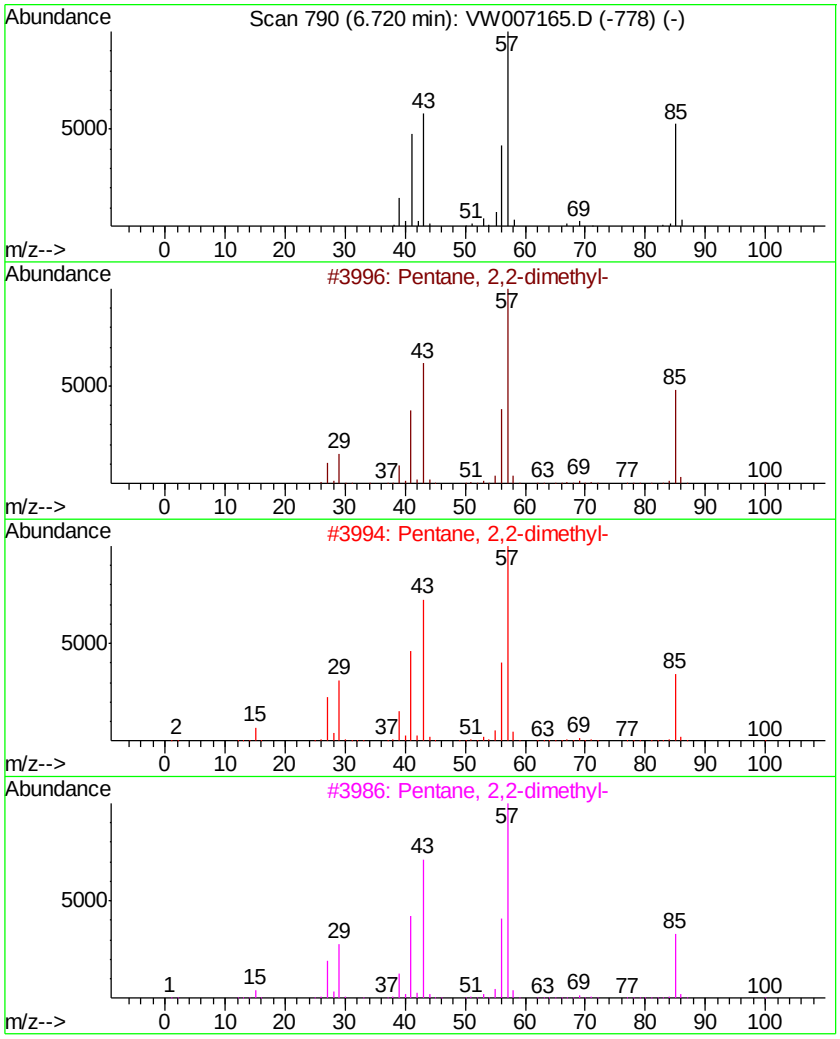
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

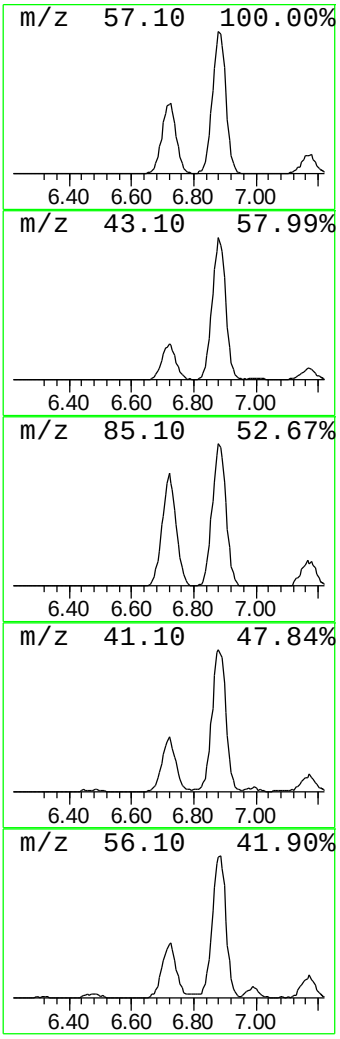
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	6.76 ug/L	108002	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

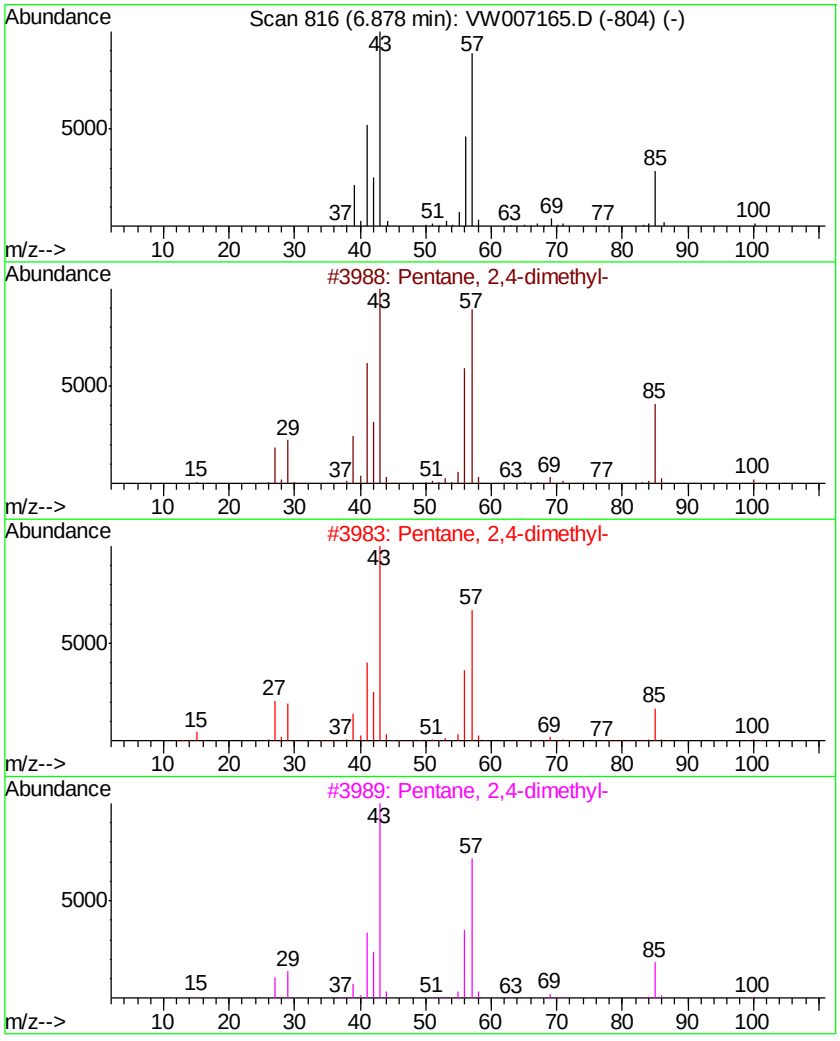
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

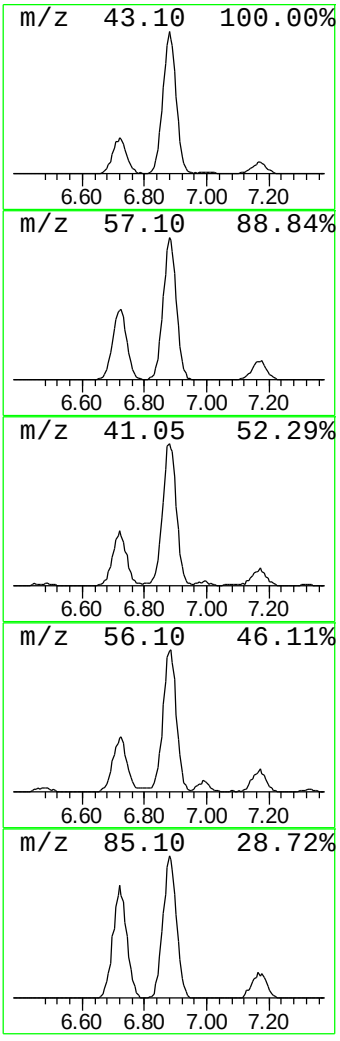
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	16.89 ug/L	269924	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	94
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

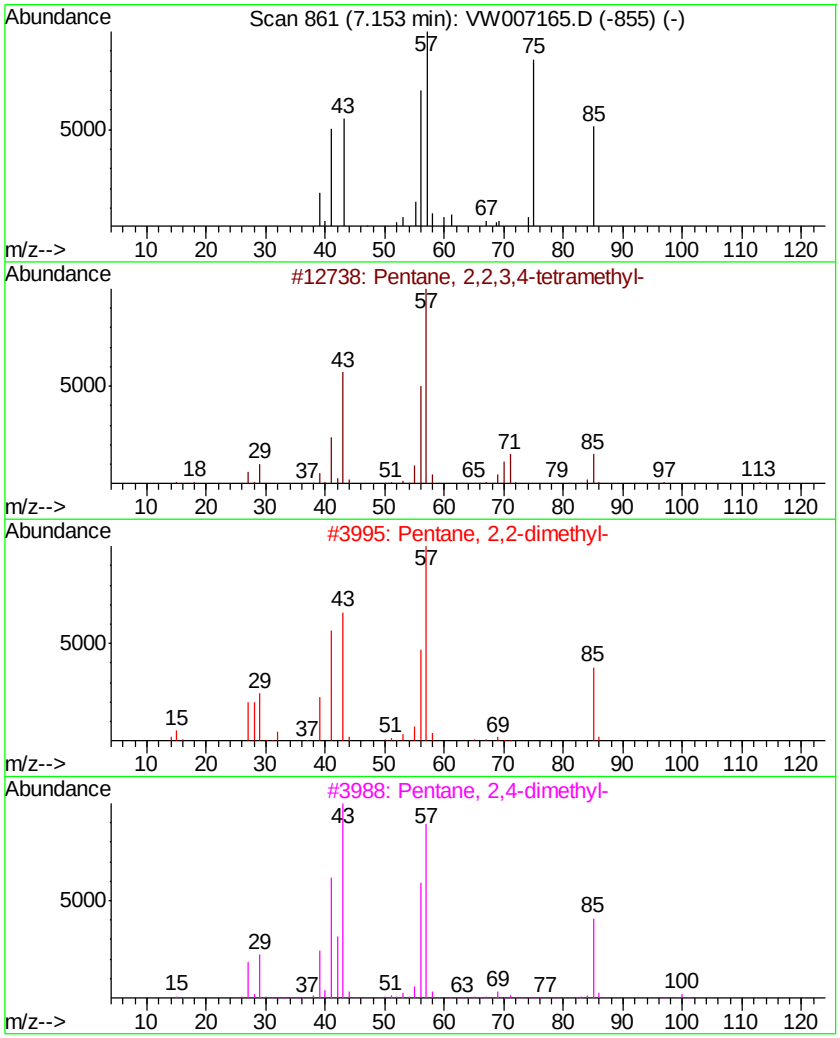
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

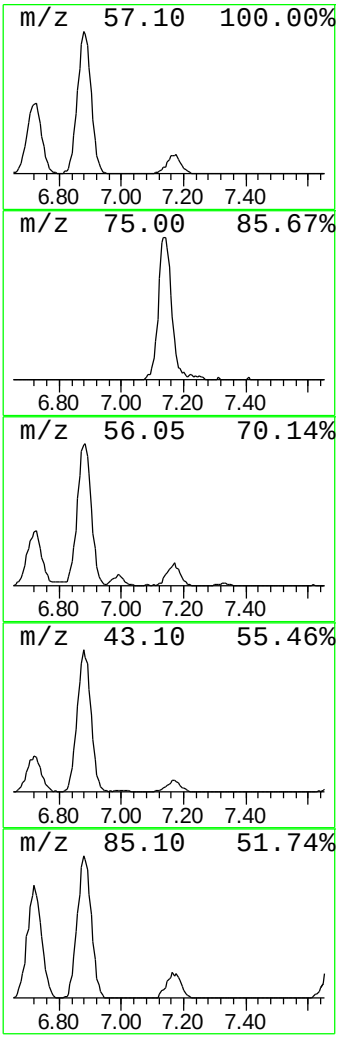
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	2.91 ug/L	46565	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	38
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	32
4	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	17
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	12





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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

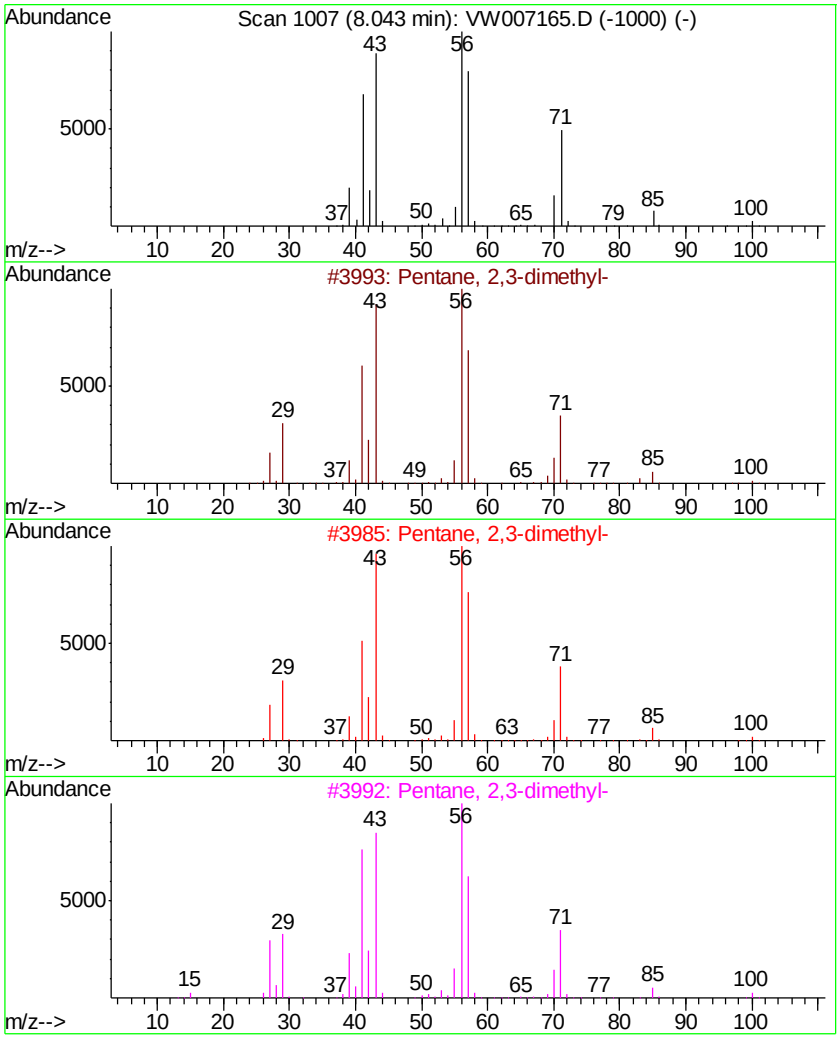
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

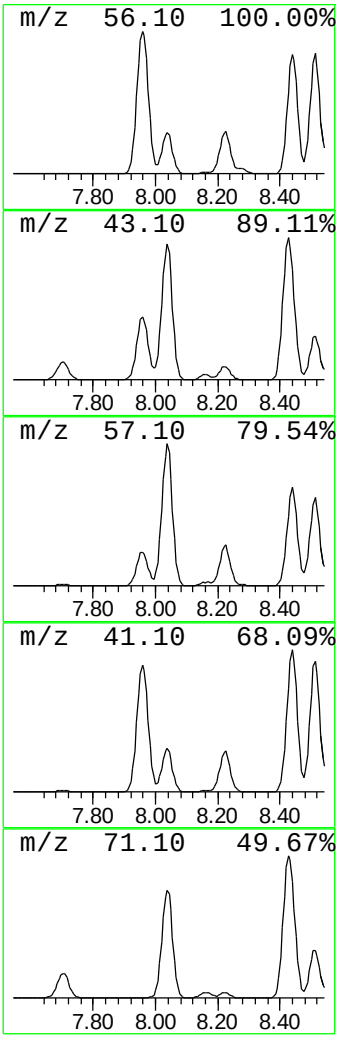
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	71.35 ug/L	1140180	1,4-Difluorobenzene	8.85

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	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

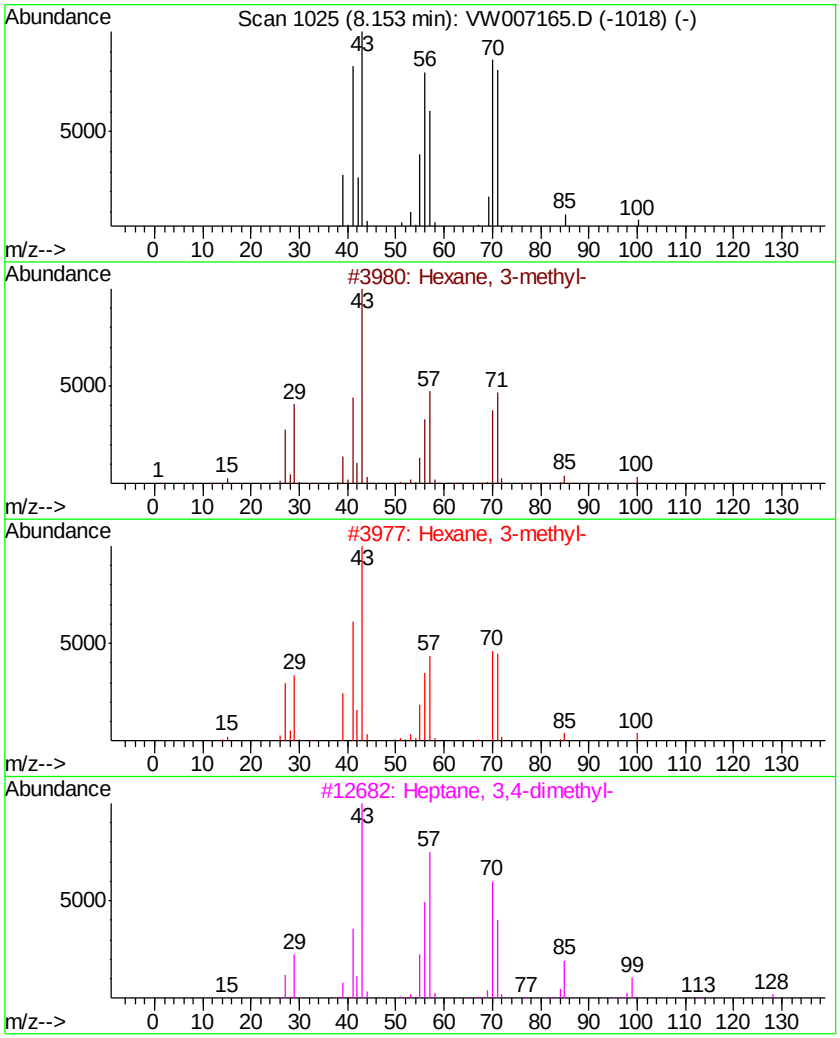
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

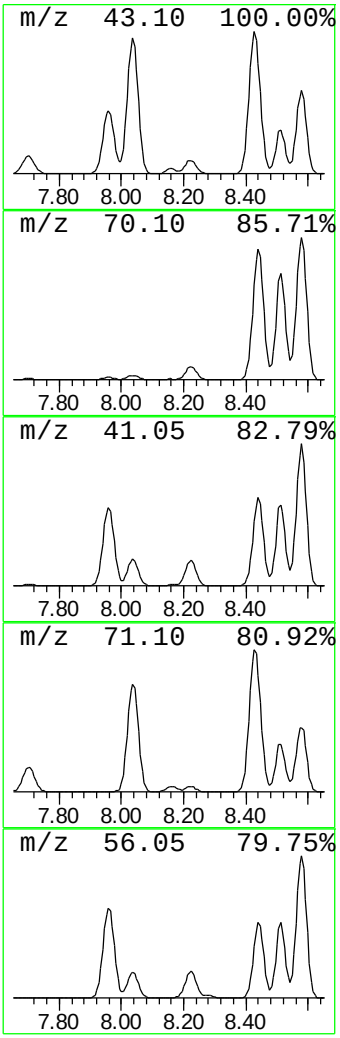
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	1.41 ug/L	22575	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	86
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	81
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	72
4	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	50
5	1-Pentanol, 3,4-dimethyl-	116	C7H16O	006570-87-2	50





Library Search Compound Report

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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

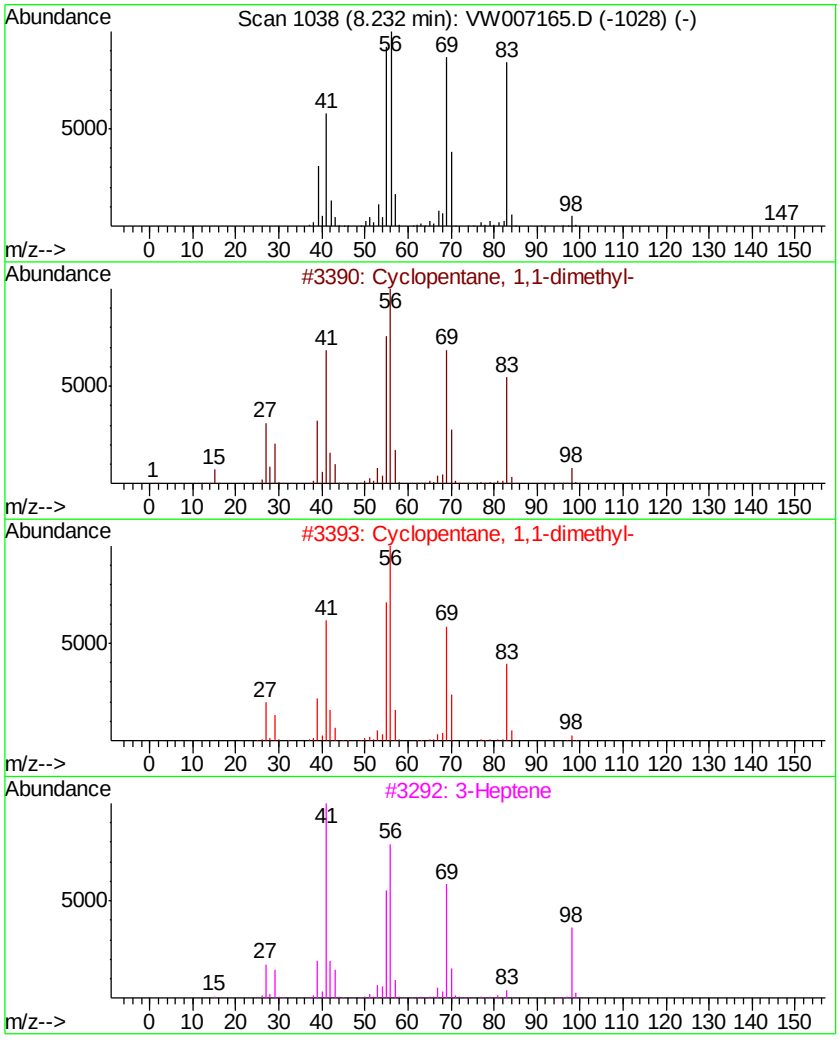
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

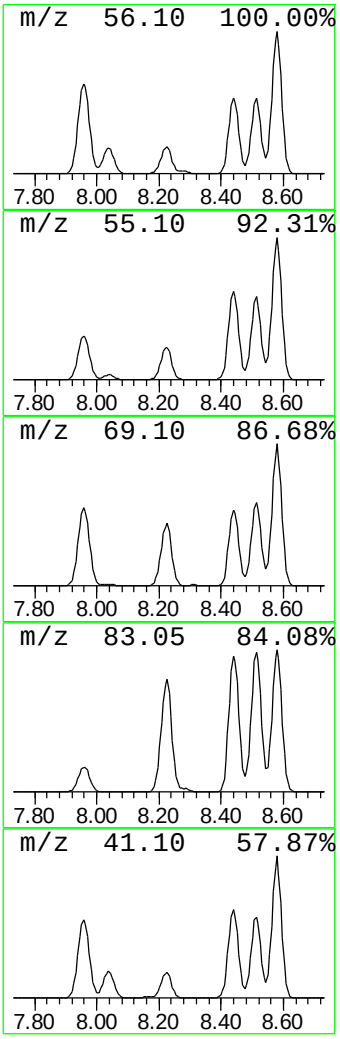
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic8.23 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	98.32 ug/L	1571120	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
3	3-Heptene	98	C7H14	000592-78-9	62
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	43
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

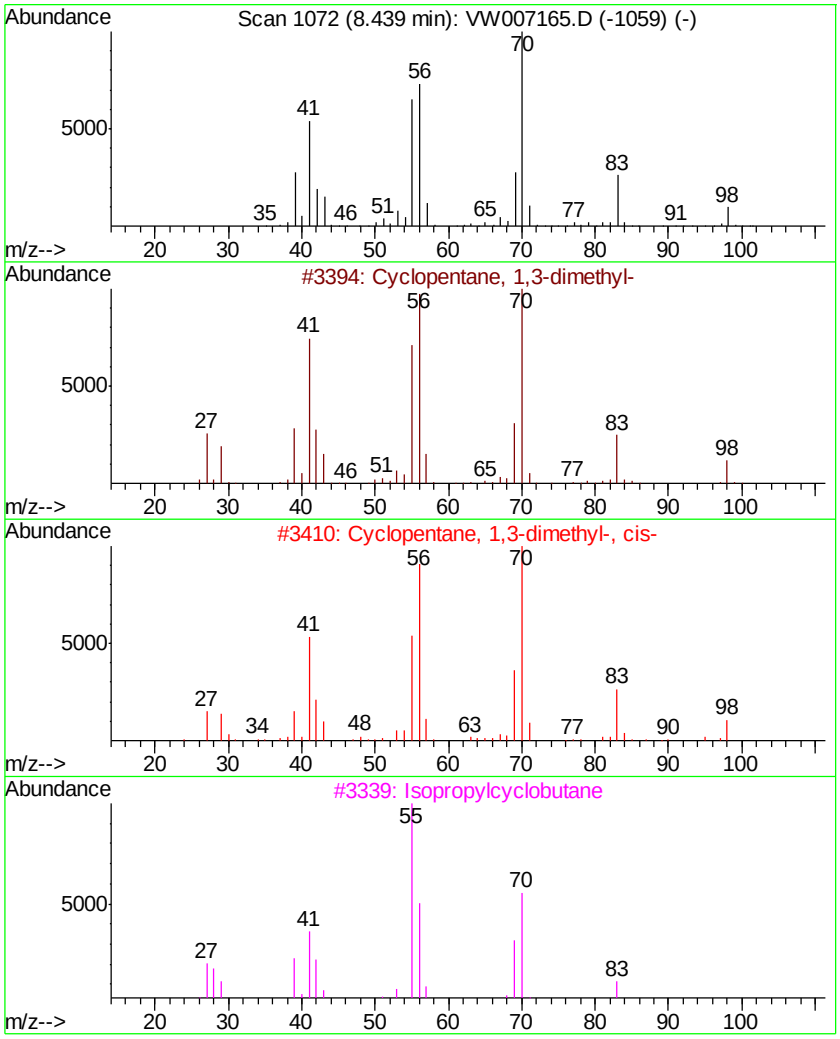
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

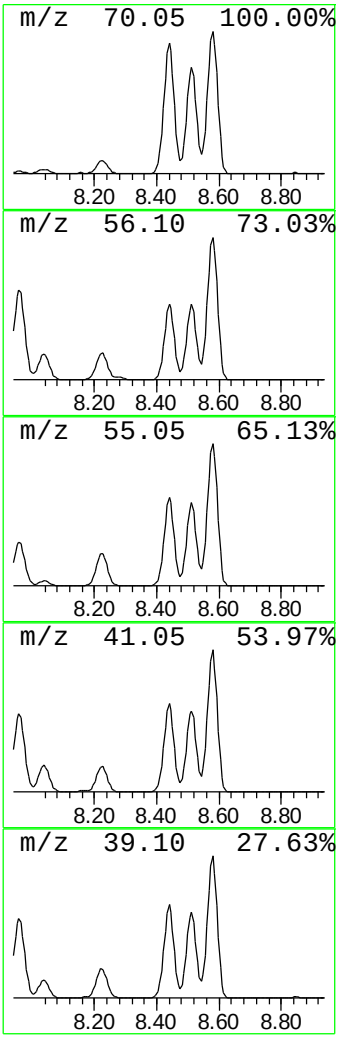
****

Peak Number 11 (DEL) Alkane: Cyclic8.44 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	301.54 ug/L	4818550	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Isopropylcyclobutane	98	C7H14	000872-56-0	72
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	70
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	70





Library Search Compound Report

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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

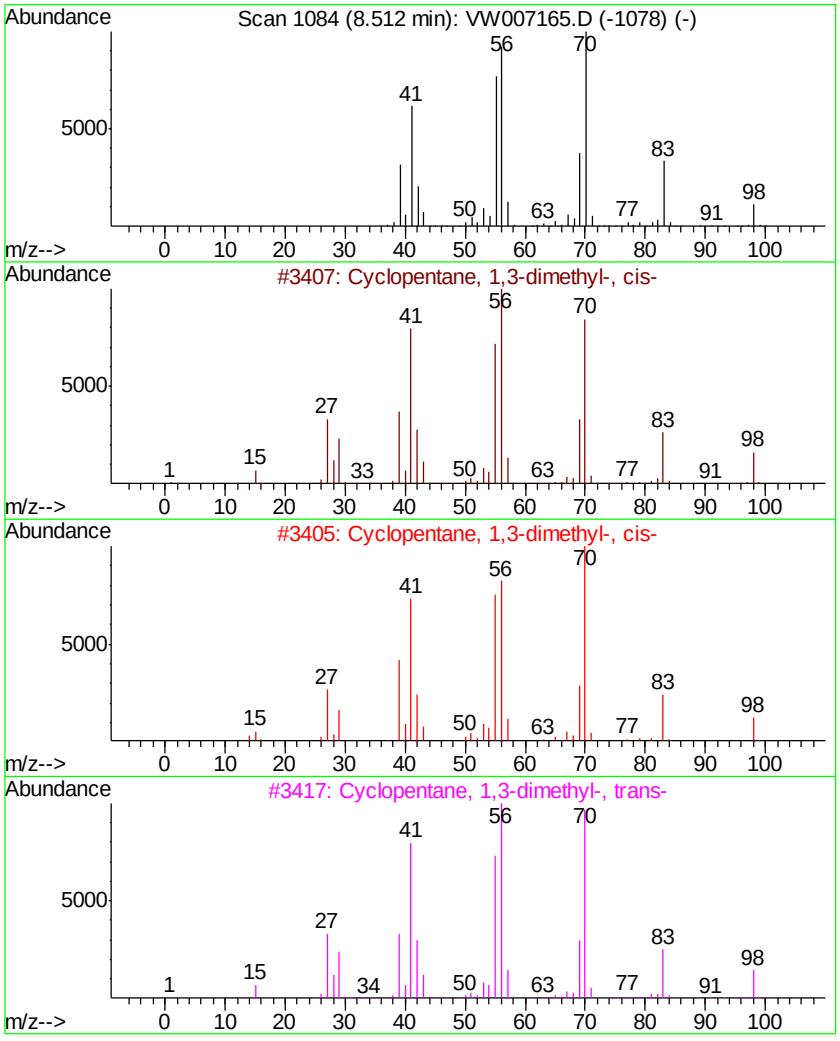
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

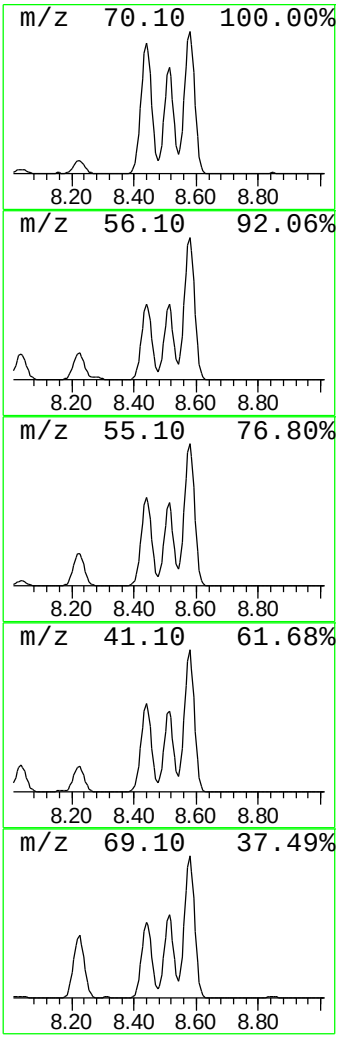
****

Peak Number 12 (DEL) Alkane: Cyclic8.51 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	253.29 ug/L	4047520	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	93
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90





Library Search Compound Report

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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

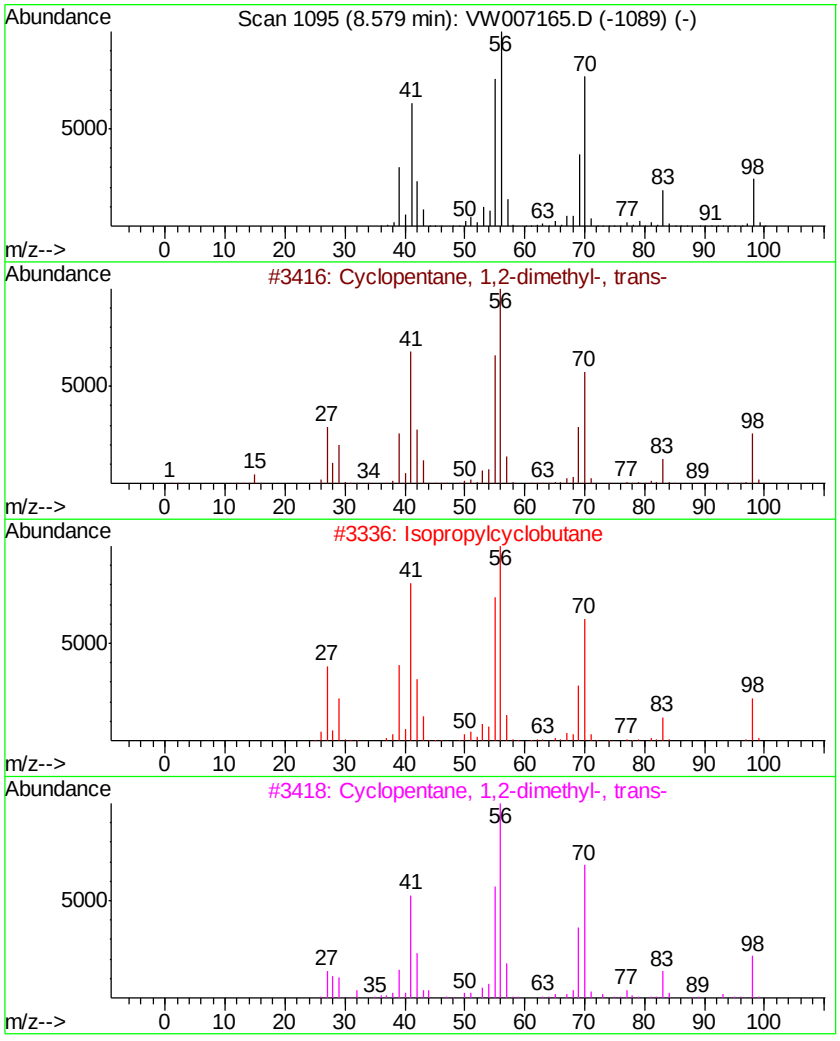
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

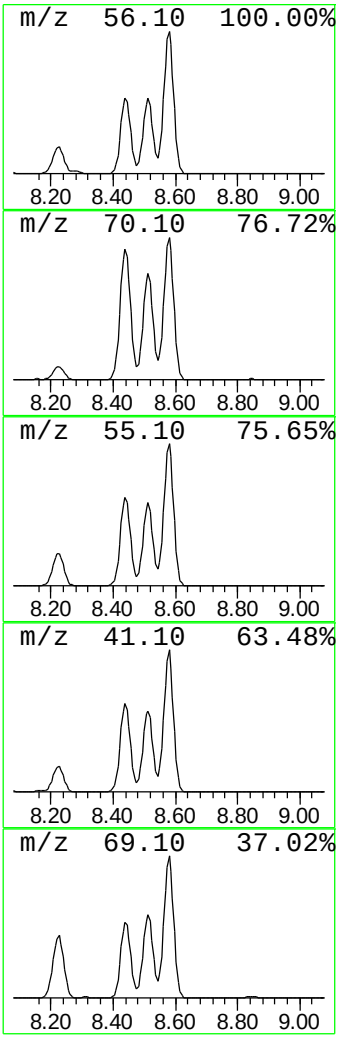
****

Peak Number 13 (DEL) Alkane: Cyclic8.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	432.92 ug/L	6917870	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

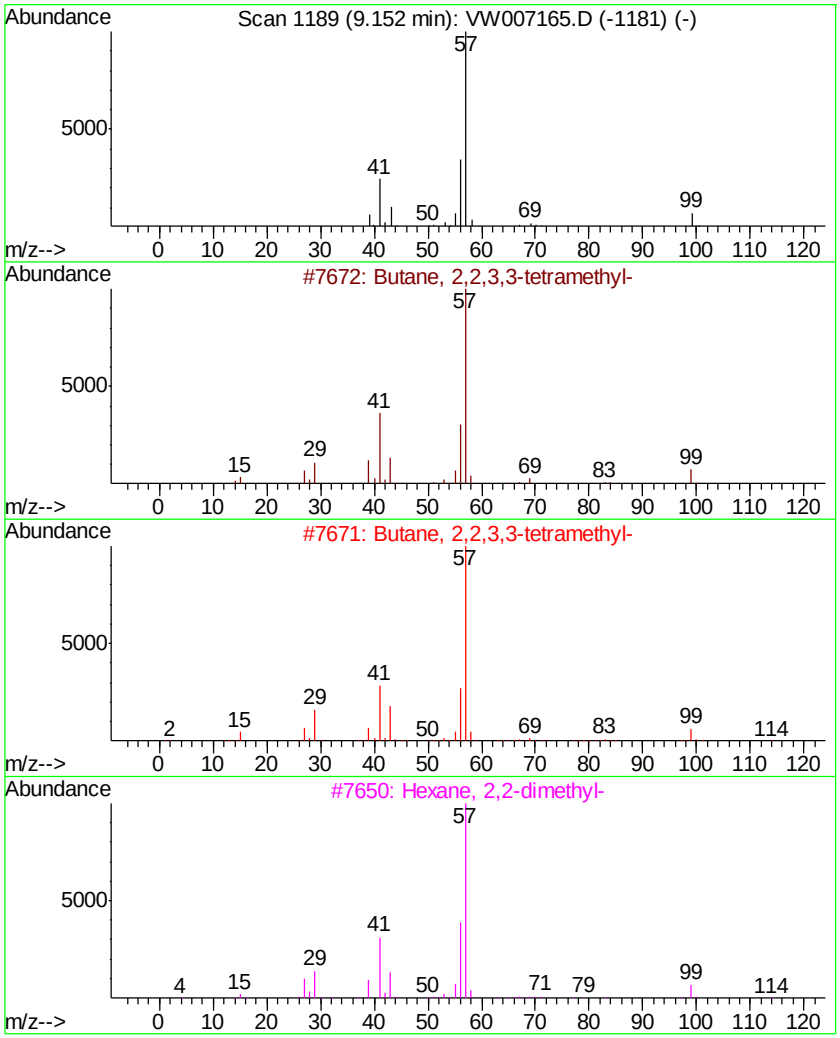
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

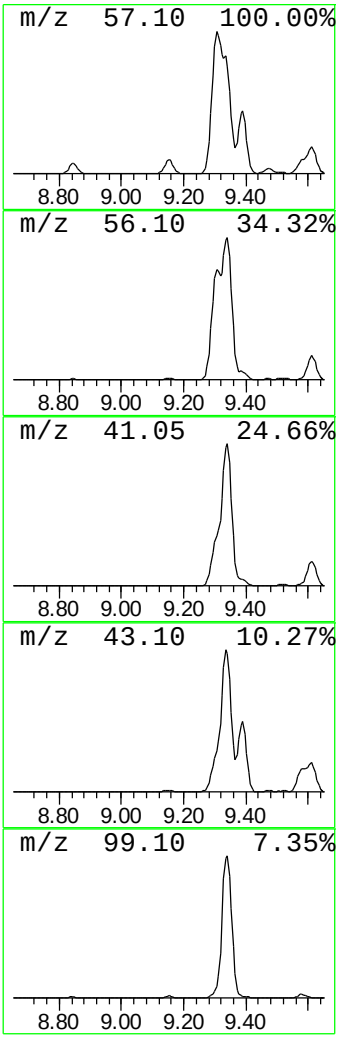
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	2.82 ug/L	44990	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64





Library Search Compound Report

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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

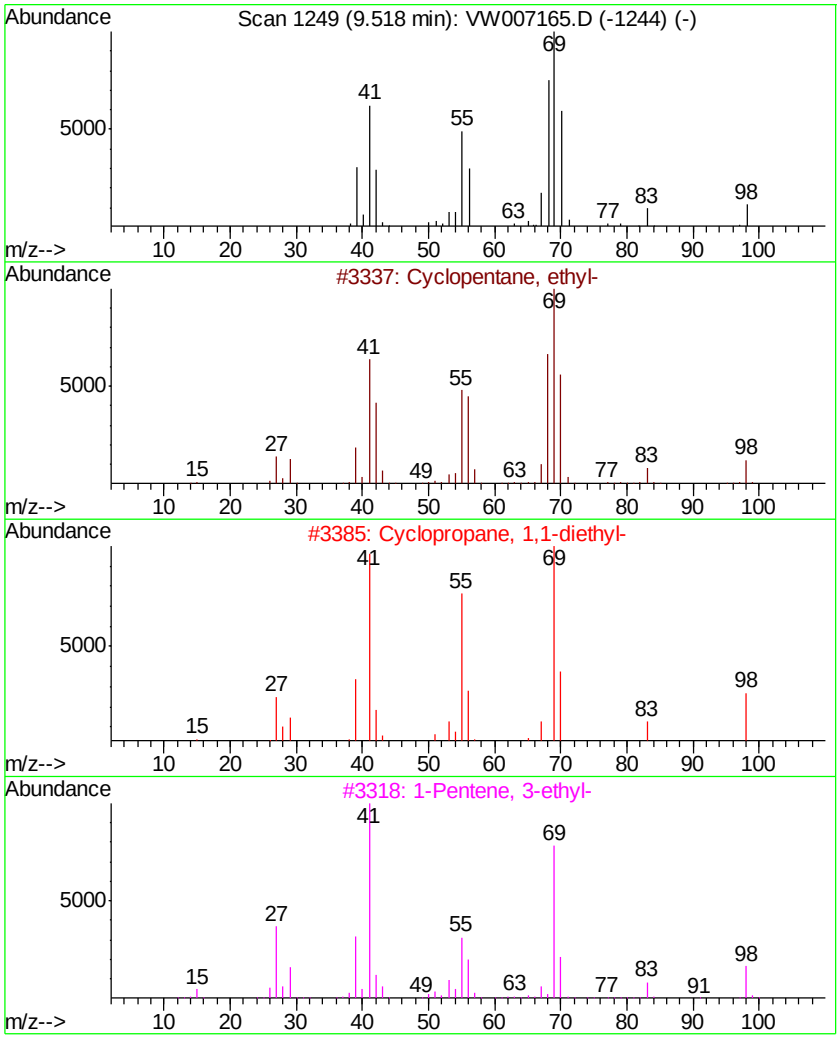
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

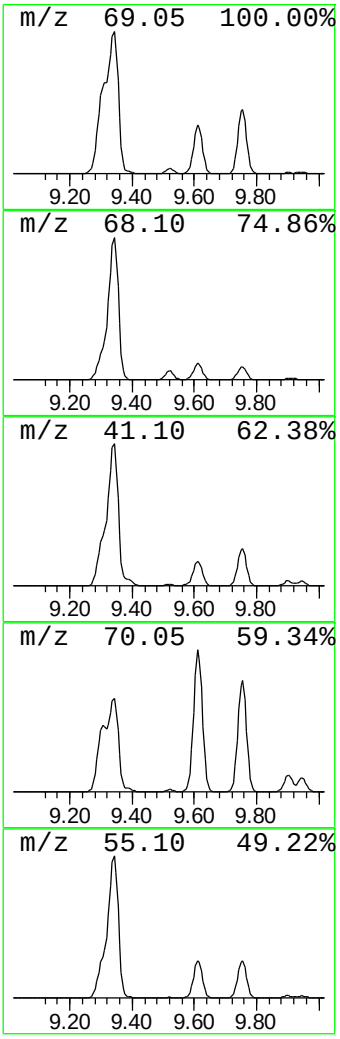
****

Peak Number 15 (DEL) Alkane: Cyclic9.52 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	4.85 ug/L	77546	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	46
4	3-Methyl-2-hexene	98	C7H14	017618-77-8	43
5	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

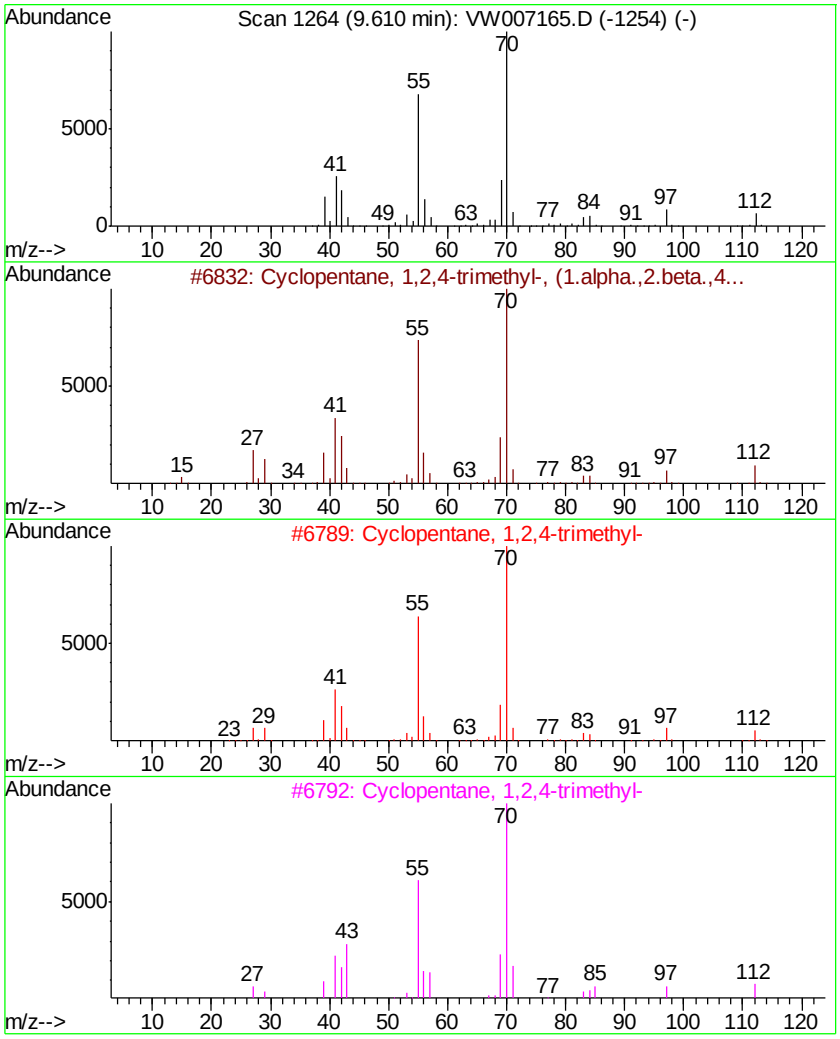
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

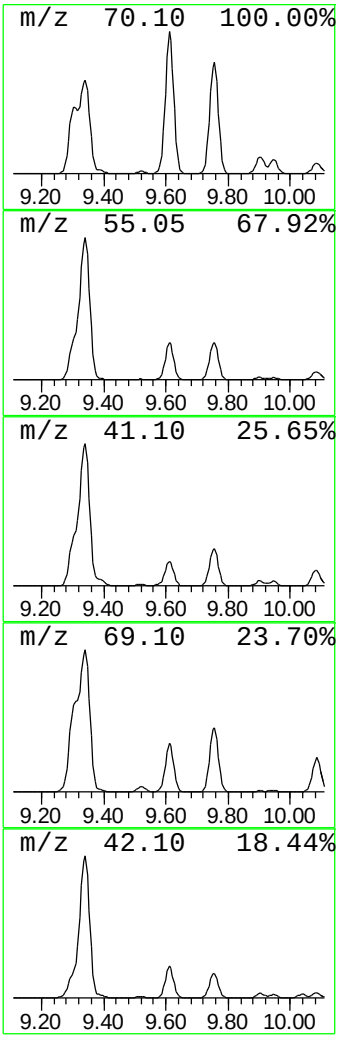
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	166.61 ug/L	2662360	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
5	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

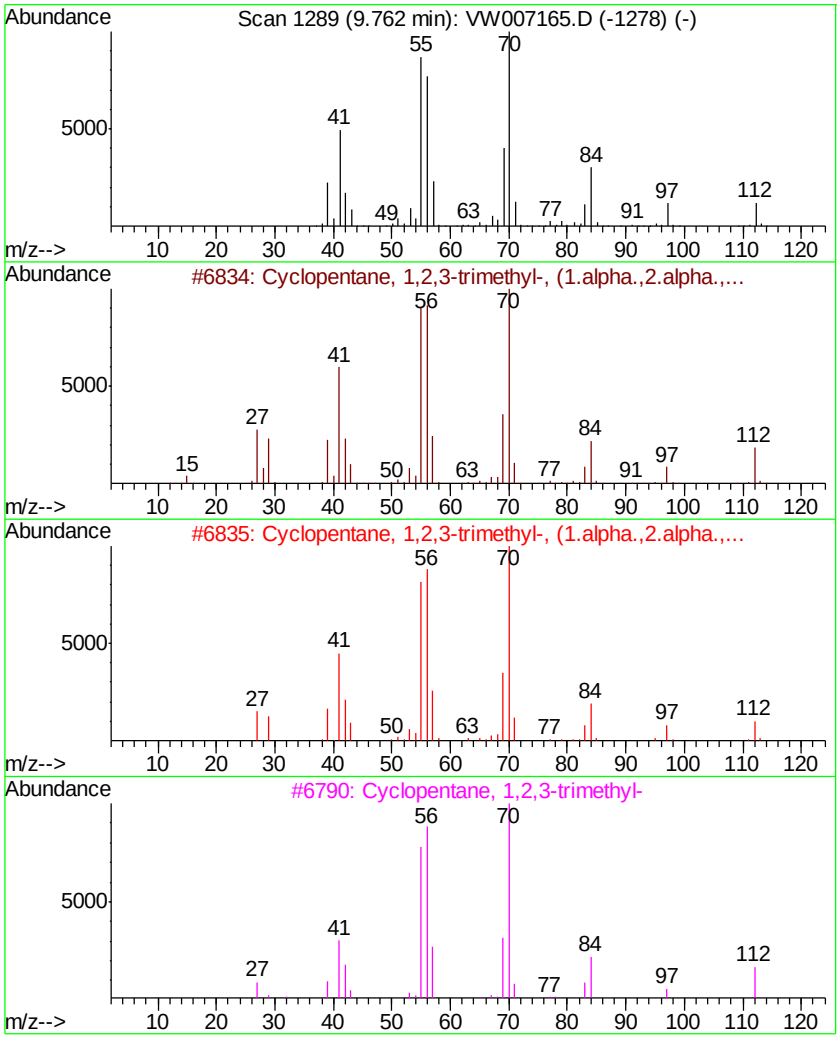
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

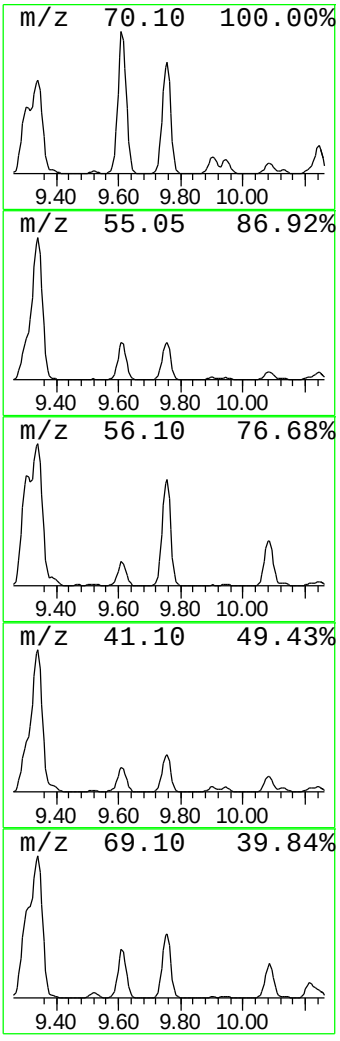
****

Peak Number 17 (DEL) Alkane: Cyclic9.76 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	204.10 ug/L	3261510	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	96
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	72
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

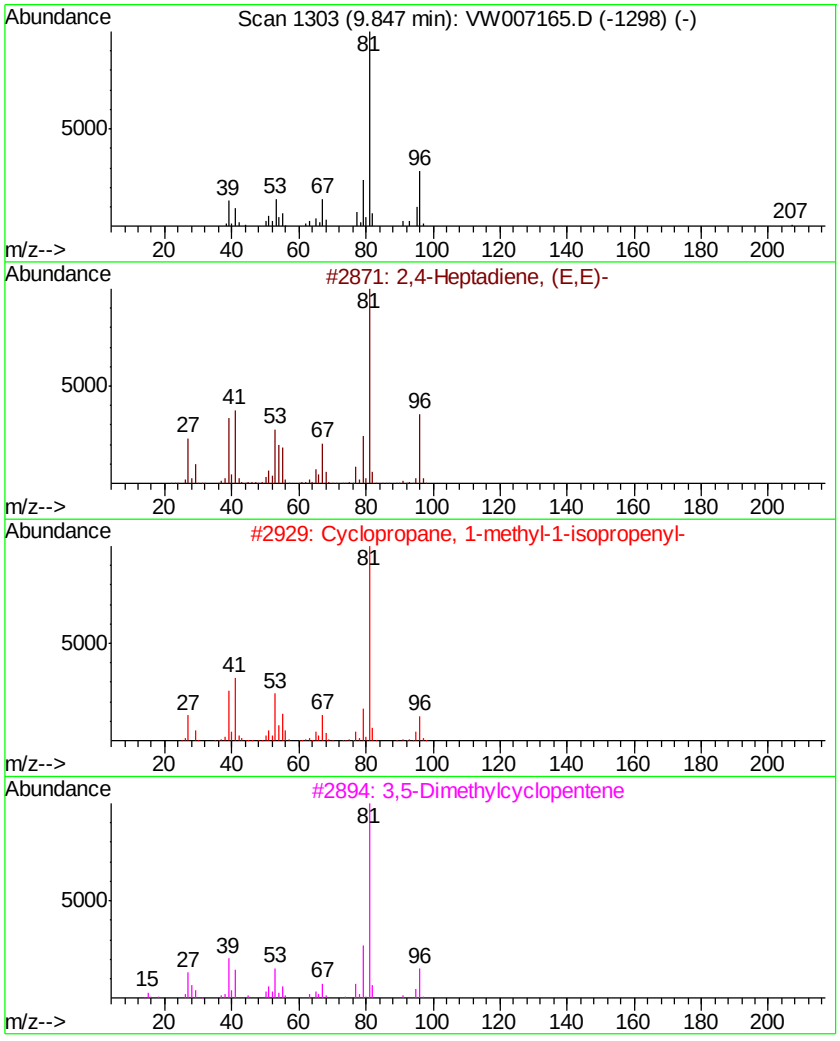
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

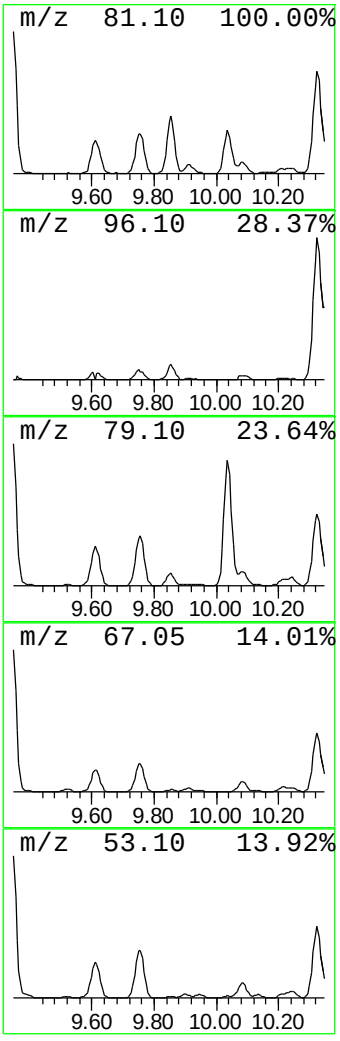
****

Peak Number 18 2,4-Heptadiene, (E,E)- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.33 ug/L	37289	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	91
2	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	83
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	83
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

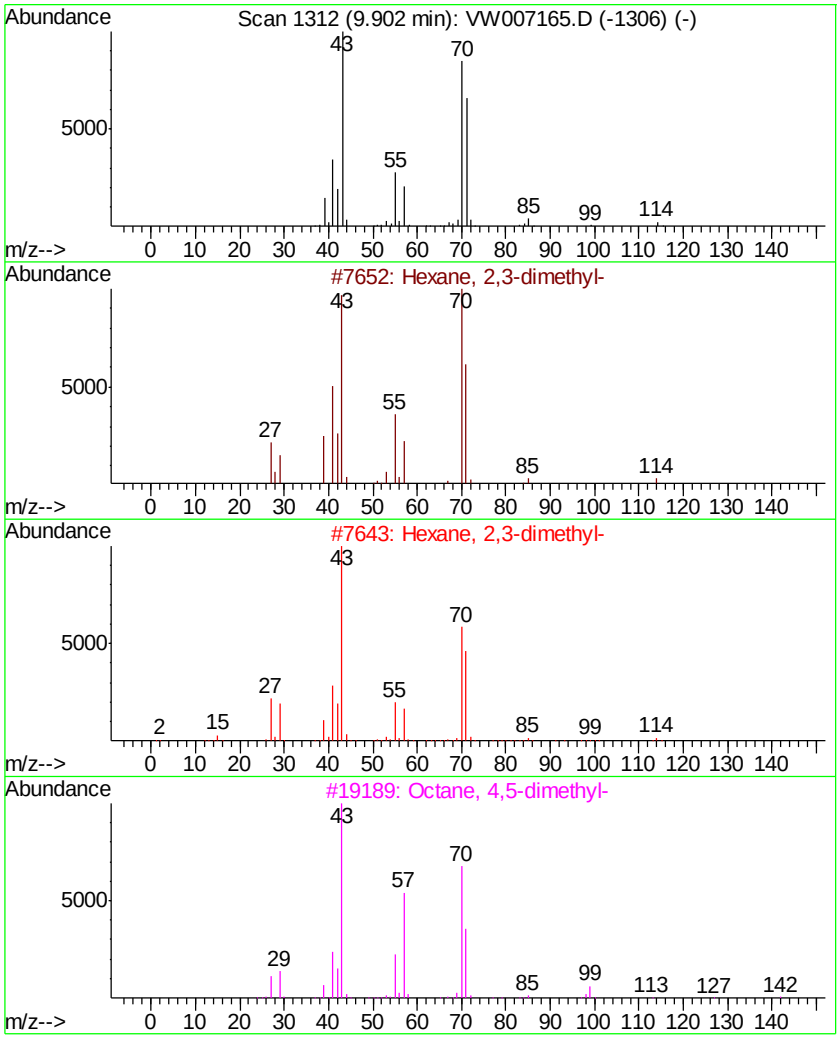
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

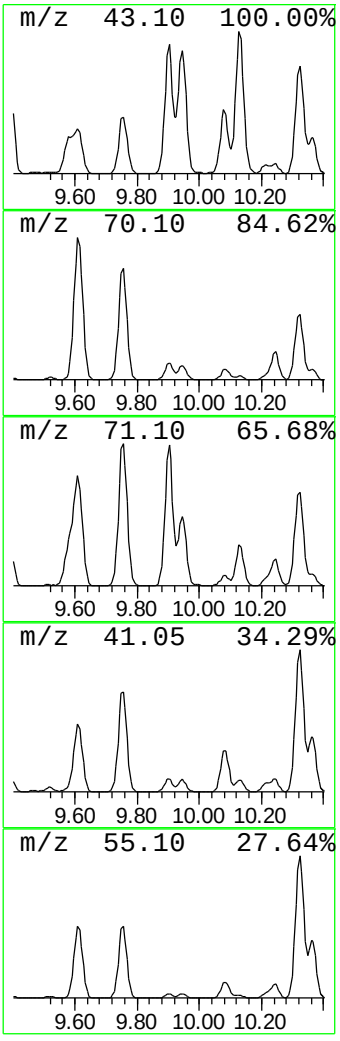
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	24.87 ug/L	397474	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
3	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	83
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
5	Pyrrolidine	71	C4H9N	000123-75-1	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

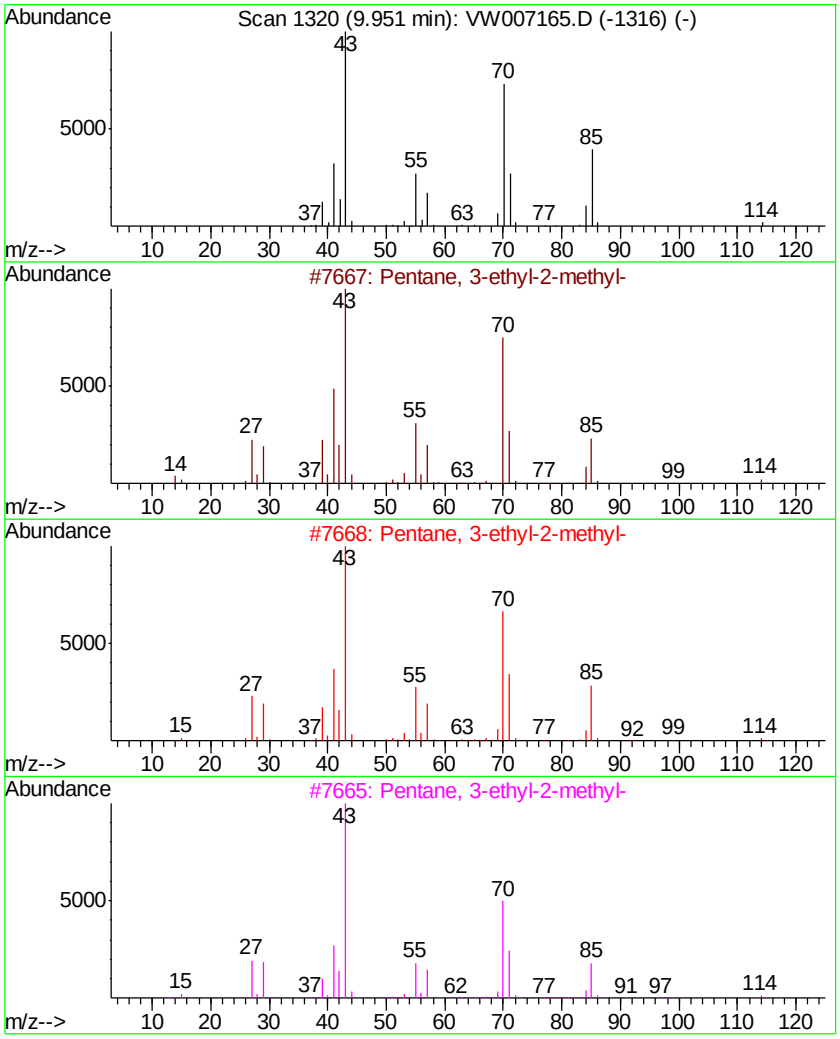
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

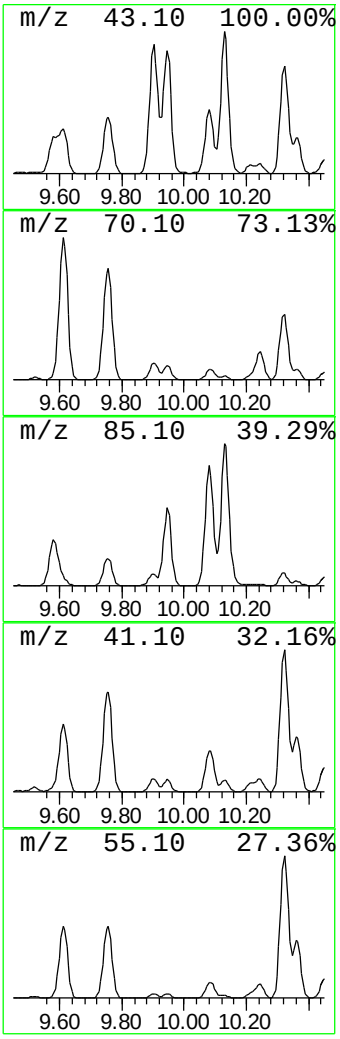
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	21.38 ug/L	341724	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
4	Pentanoic acid, 3-methylbutyl ester	172	C10H20O2	002050-09-1	59
5	Butanoic acid, 2-methyl-, 3-meth...	172	C10H20O2	027625-35-0	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

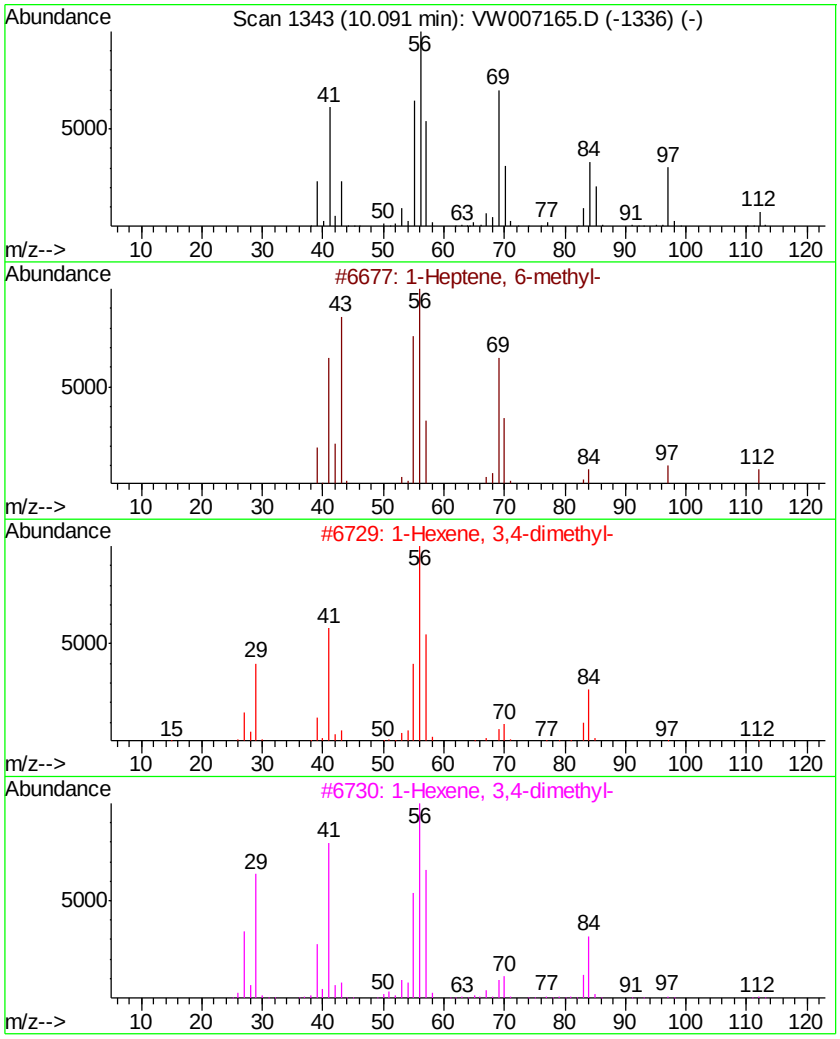
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

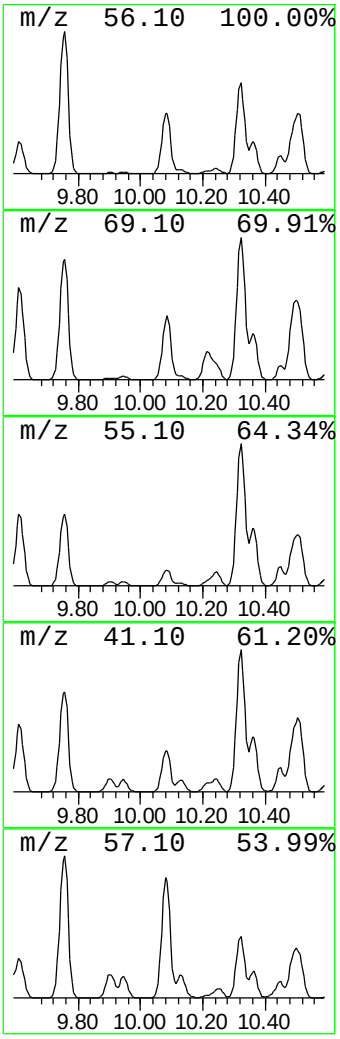
****

Peak Number 22 (DEL) Alkane: Cyclic10.09 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	59.53 ug/L	951275	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	58
2	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
3	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
4	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	47
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

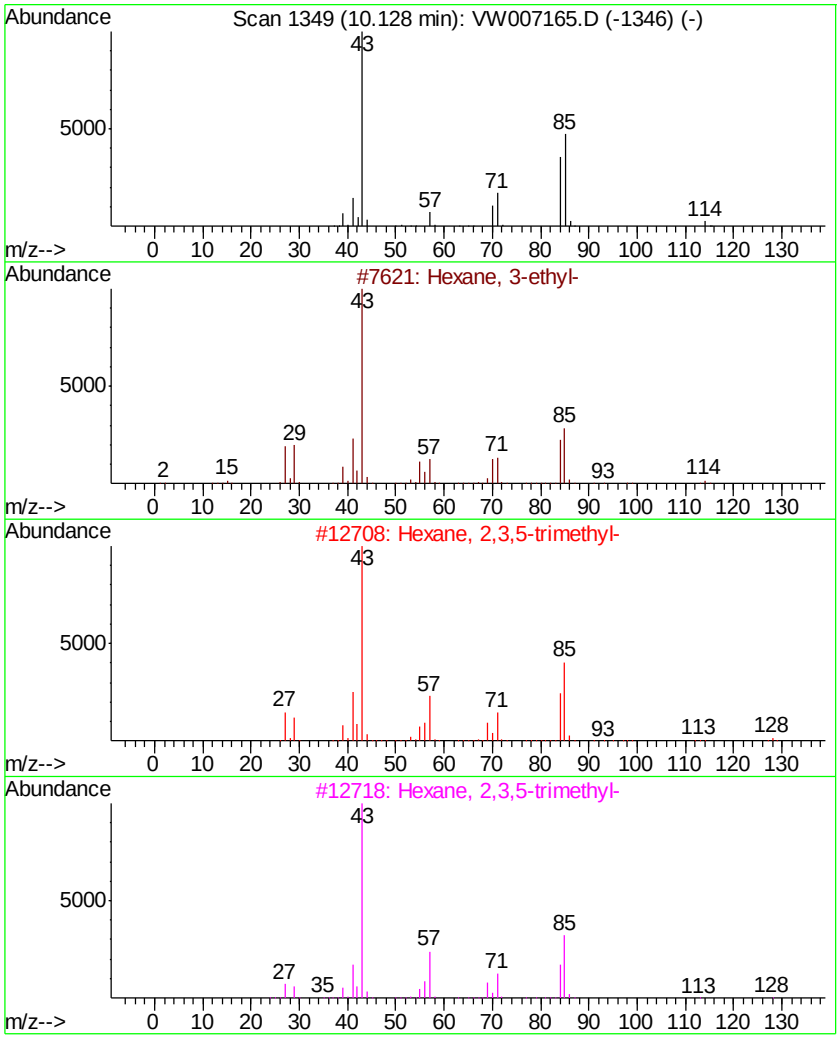
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

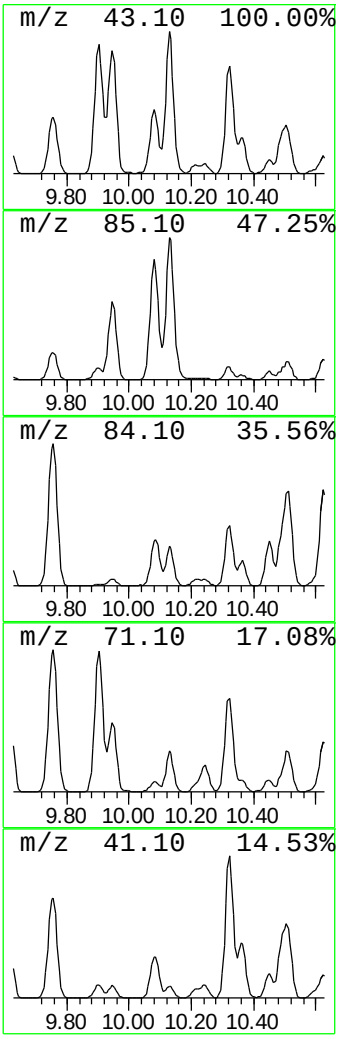
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	22.05 ug/L	352366	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	56
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	56
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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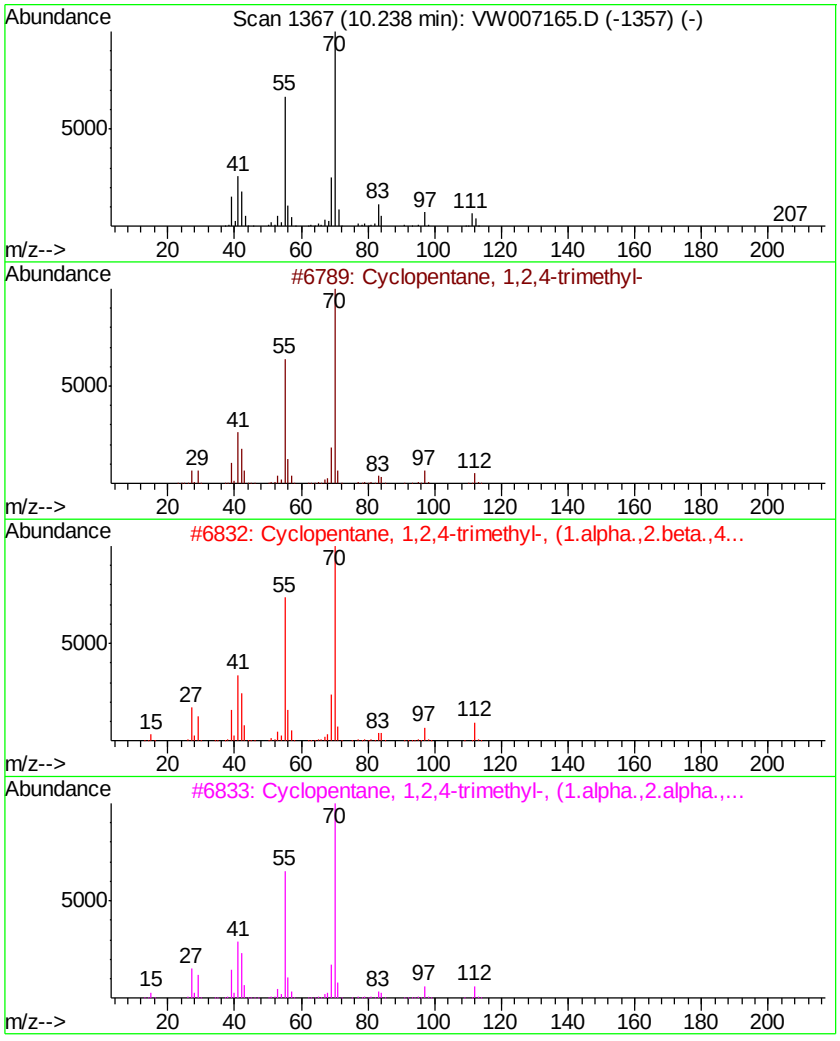
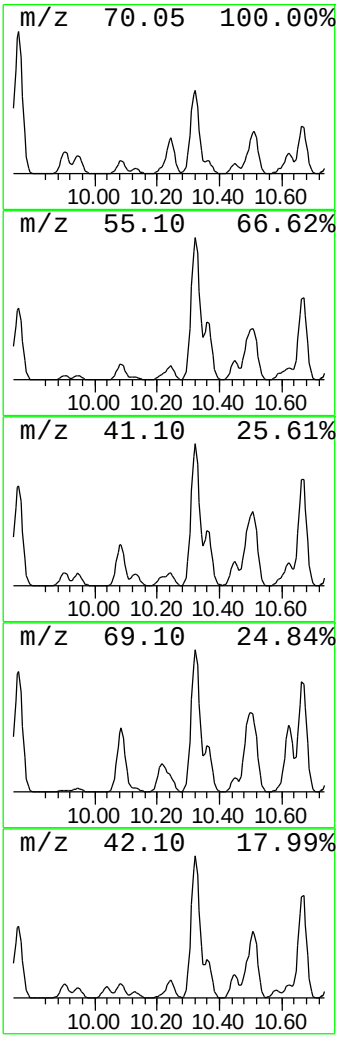
Peak Number 24 (DEL) Alkane: Cyclic10.24 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	45.06 ug/L	721794	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
5	Cyclobutanone, 2,2,3-trimethyl-	112	C7H12O	001449-49-6	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

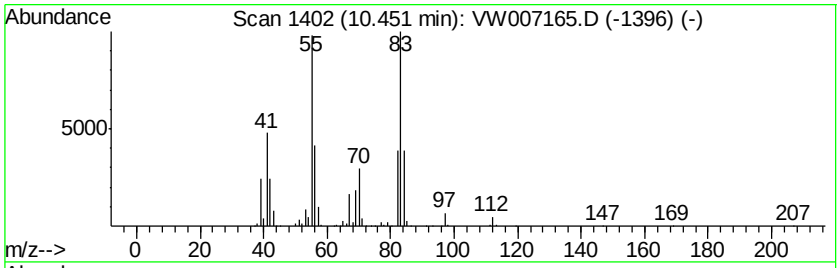
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

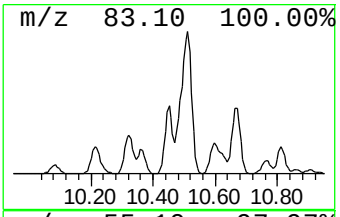
****

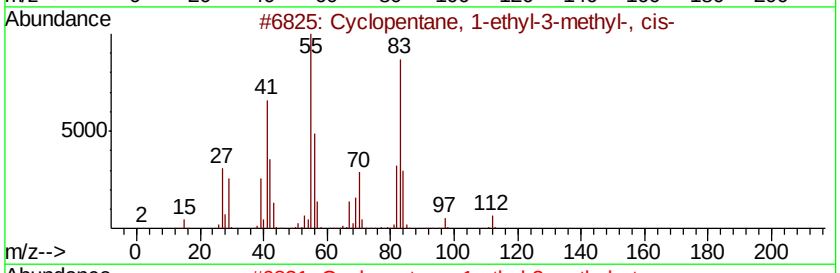
Peak Number 25 (DEL) Alkane: Cyclic10.45 Concentration Rank 45

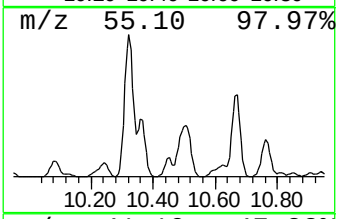
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	39.42 ug/L	631520	Chlorobenzene-d5	11.63

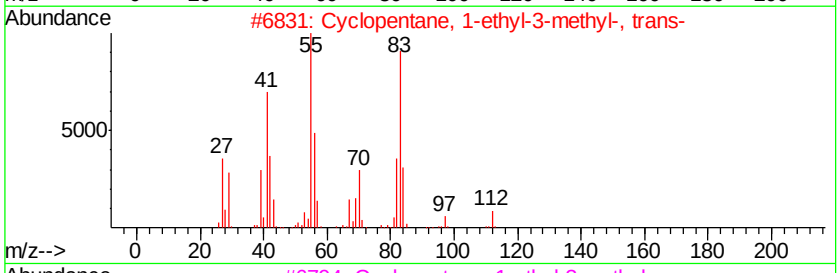
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	93
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	93
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	90
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	47
5	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	47

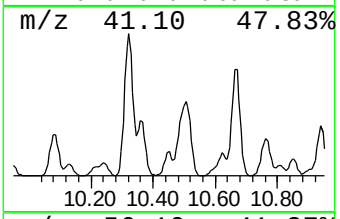


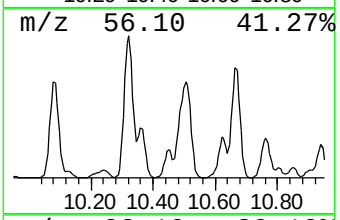


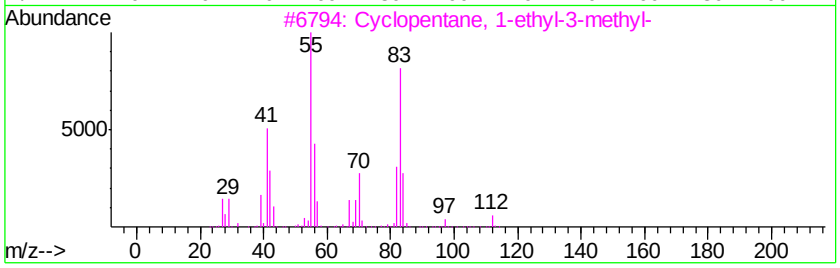


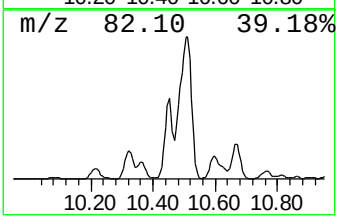












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

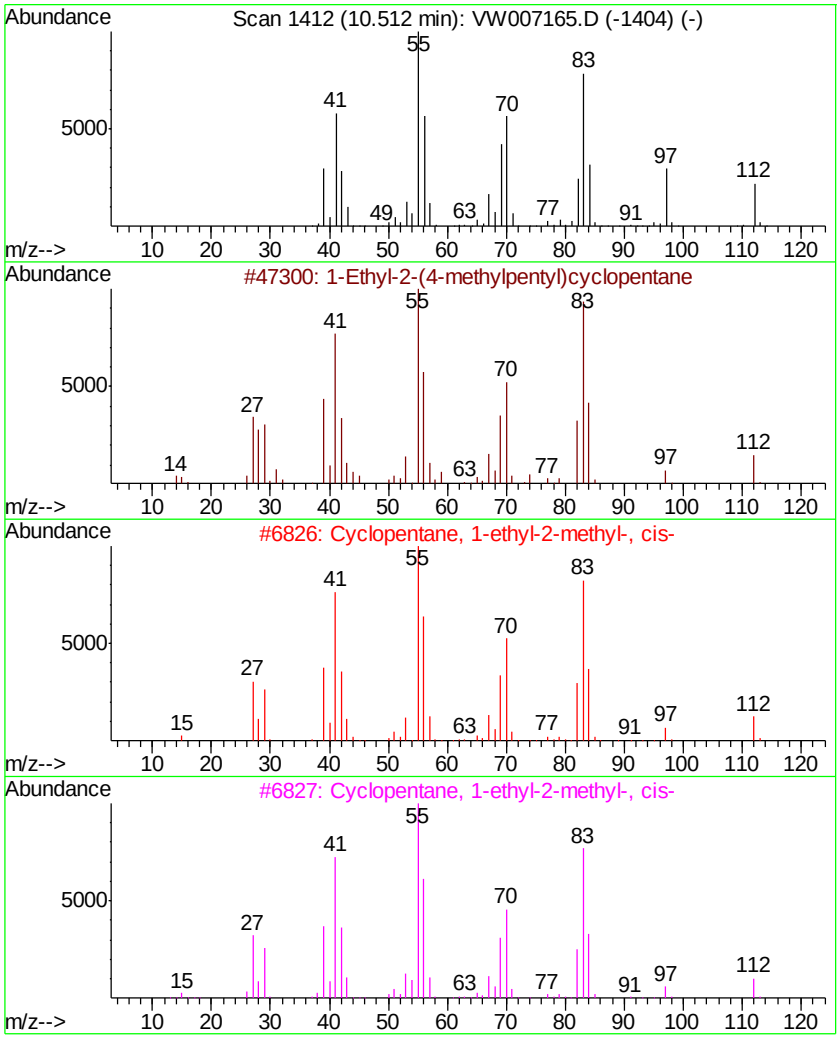
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

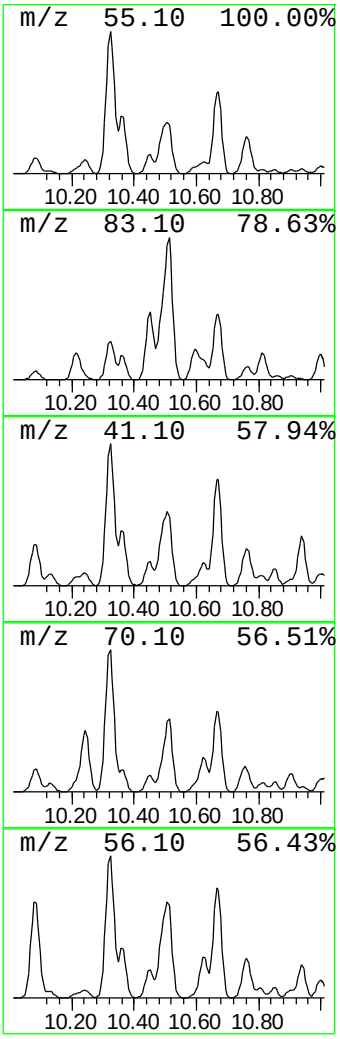
****

Peak Number 26 (DEL) Alkane: Cyclic10.51 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	200.45 ug/L	3210980	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	83
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	76
4	3-Octene, (Z)-	112	C8H16	014850-22-7	60
5	Cyclooctane	112	C8H16	000292-64-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

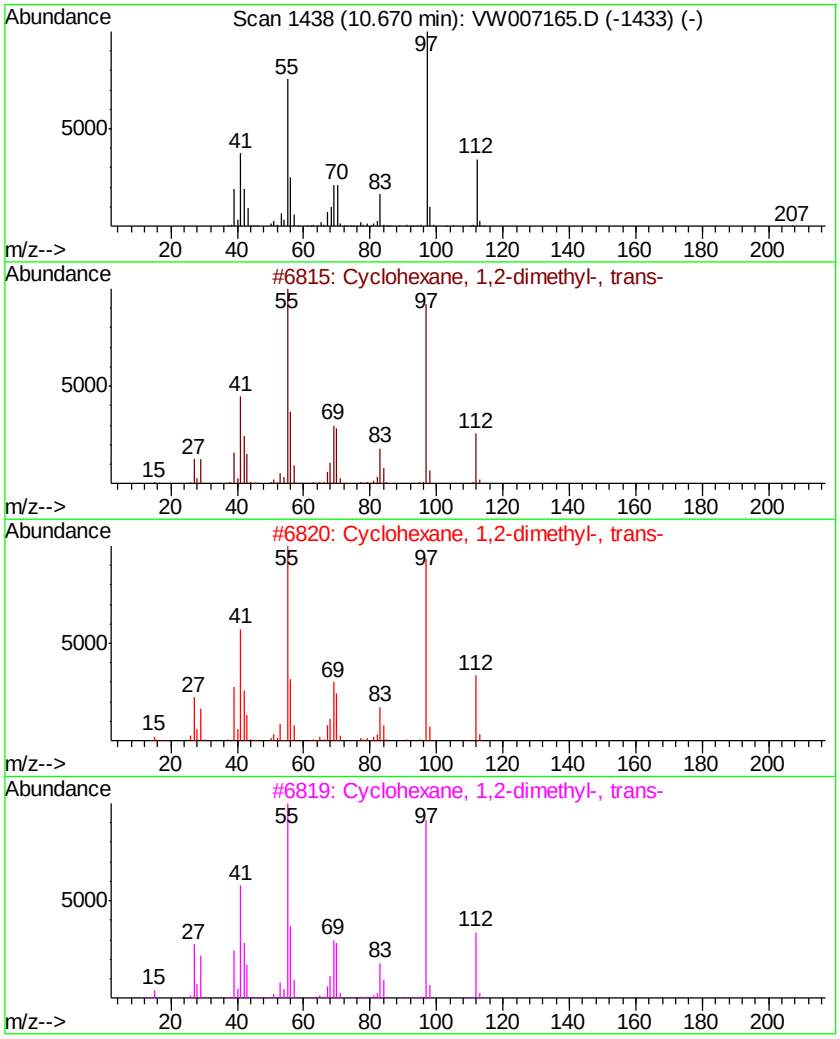
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

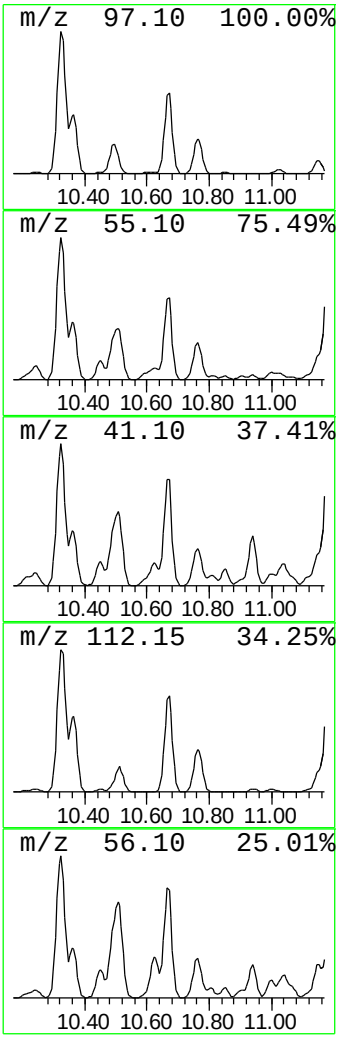
****

Peak Number 27 (DEL) Alkane: Cyclic10.67 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	210.08 ug/L	3365200	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

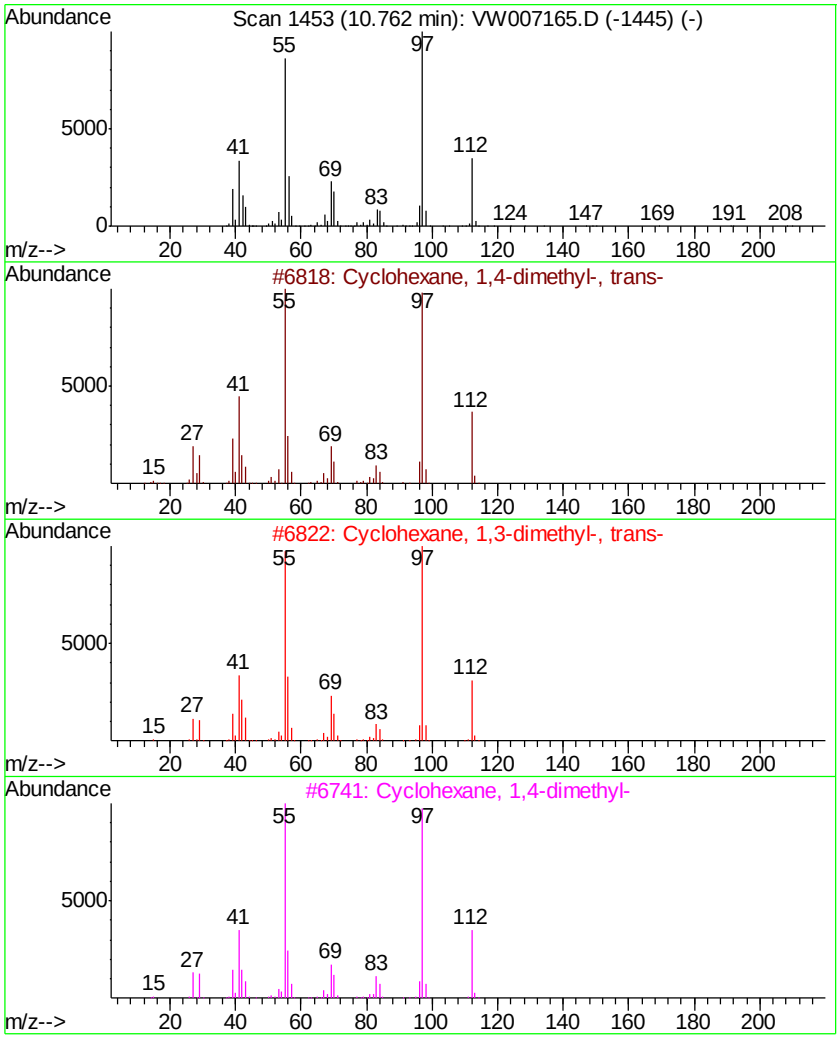
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

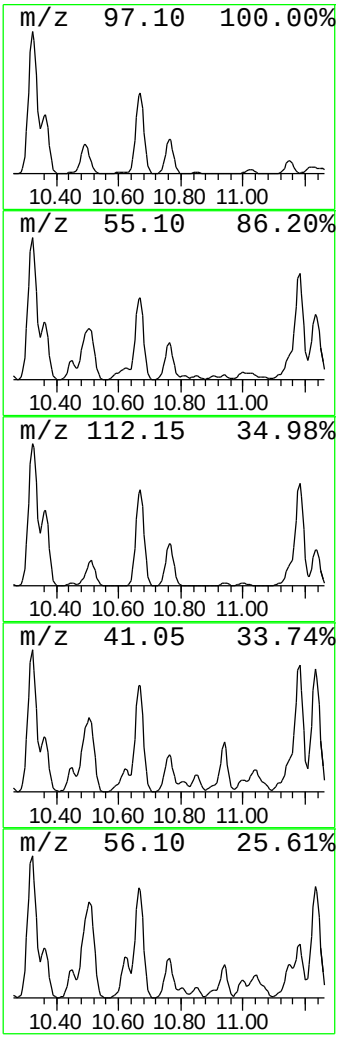
****

Peak Number 28 (DEL) Alkane: Cyclic10.76 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	92.56 ug/L	1482660	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

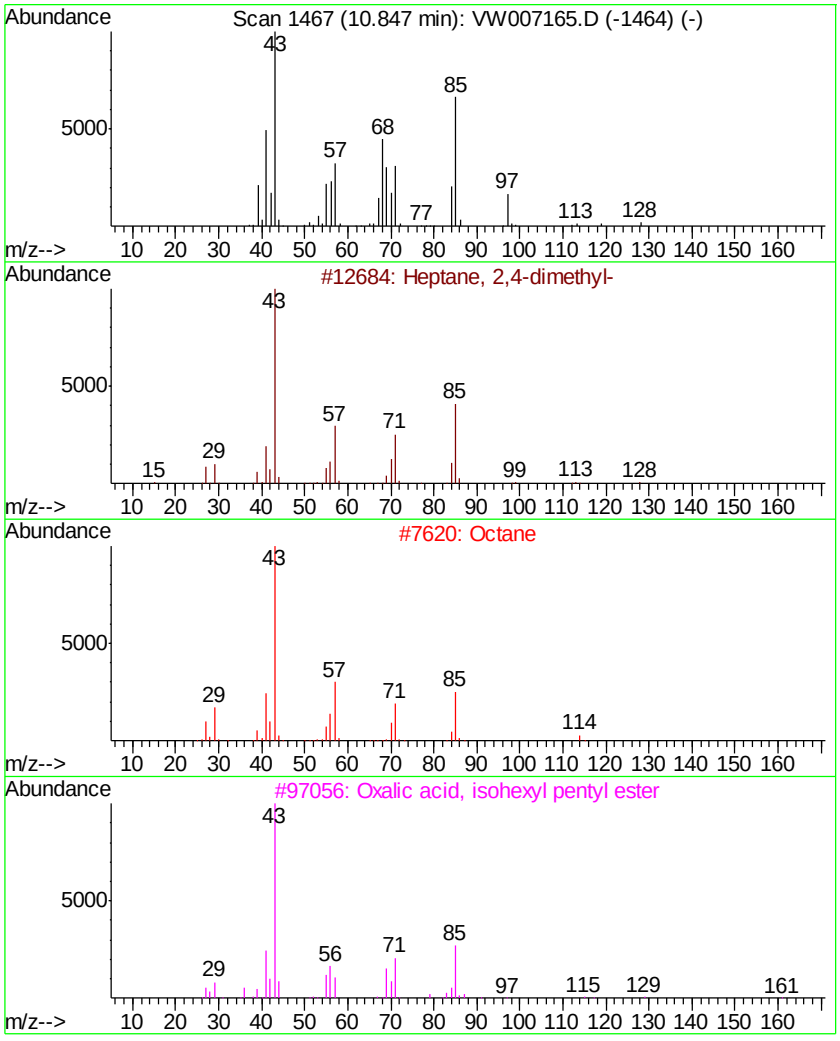
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

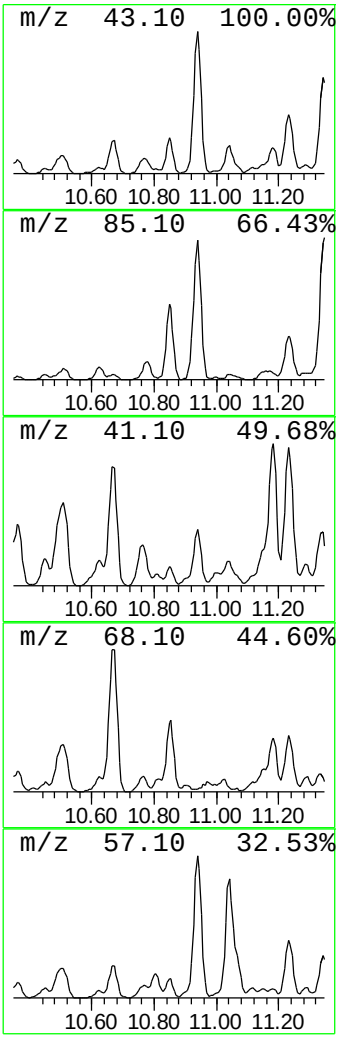
****

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	22.78 ug/L	364940	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
2	Octane	114	C8H18	000111-65-9	50
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	50
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
5	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

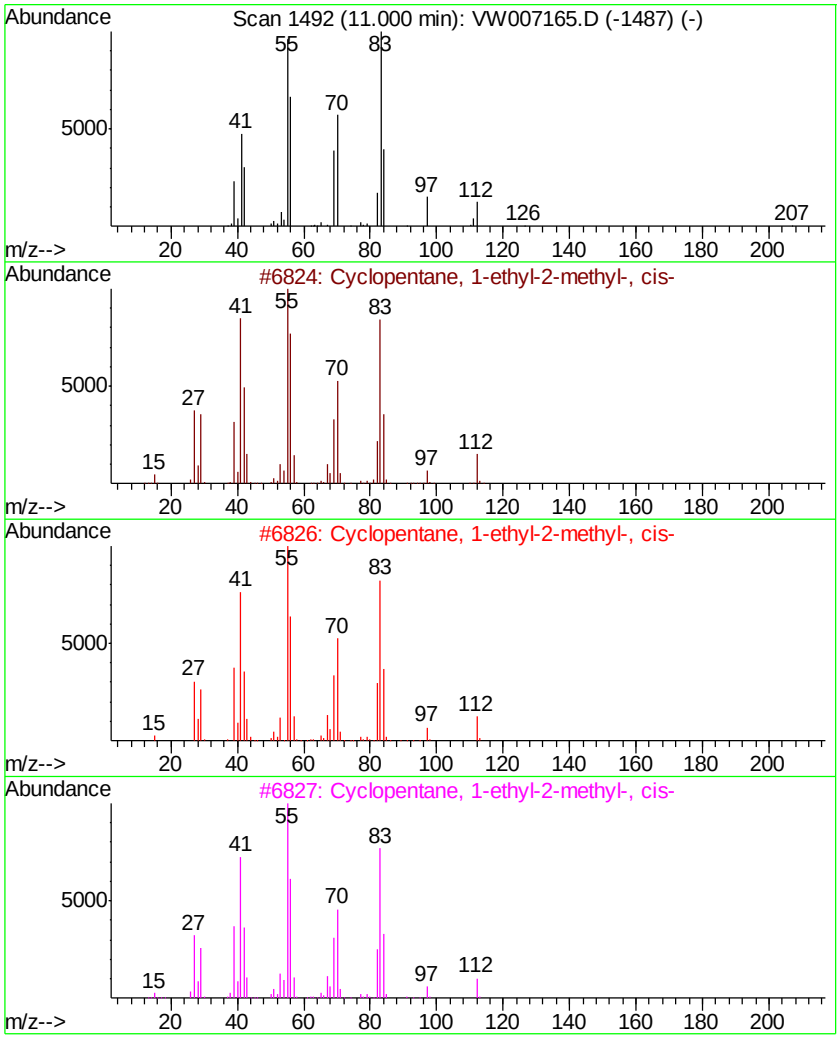
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

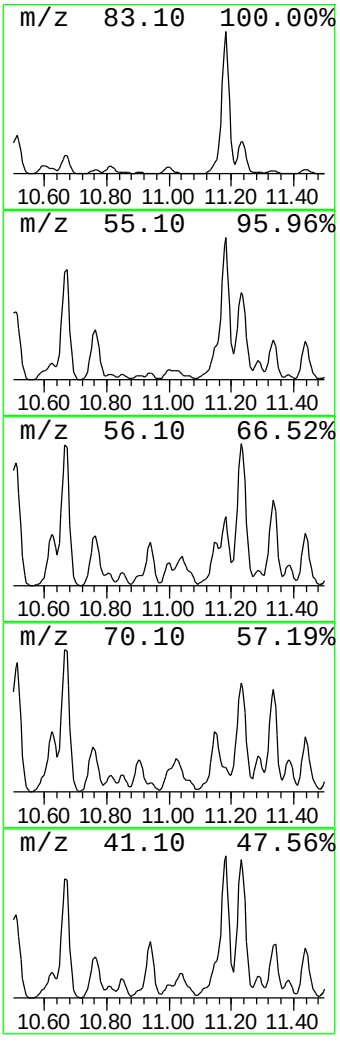
****

Peak Number 30 (DEL) Alkane: Cyclic11.00 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	14.72 ug/L	235751	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	87
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	86
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	72
4	Cyclodecane	140	C10H20	000293-96-9	64
5	Cyclooctane	112	C8H16	000292-64-8	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

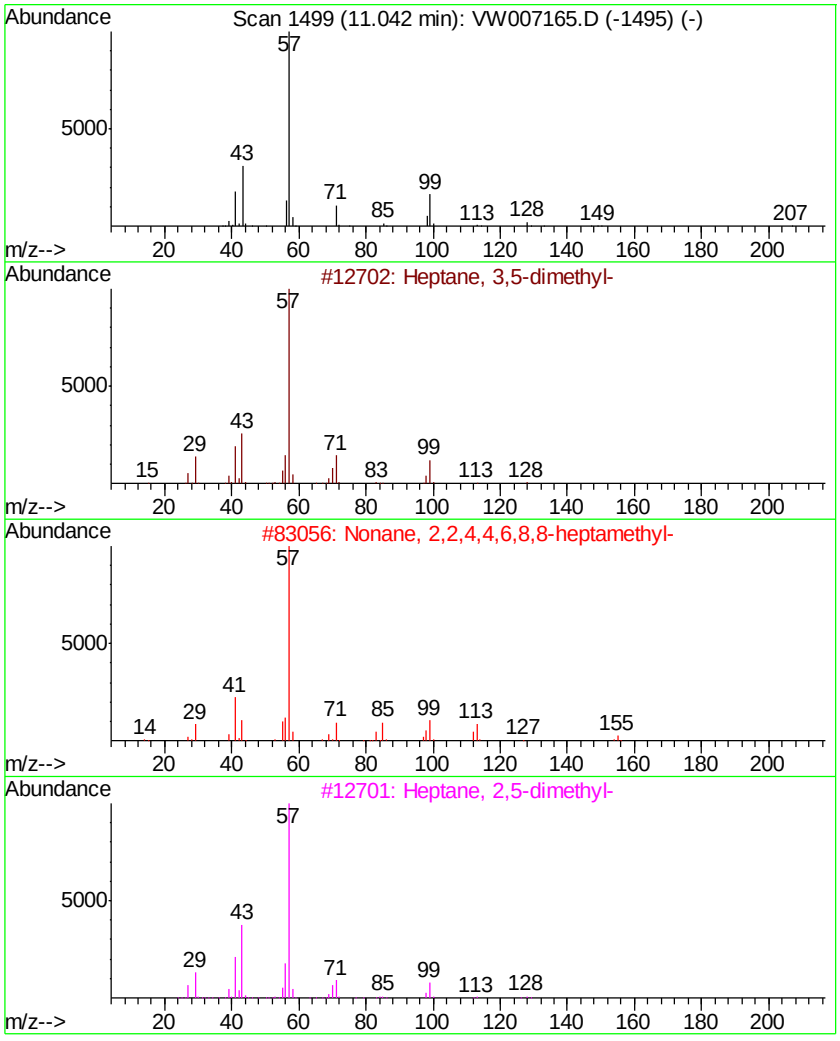
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

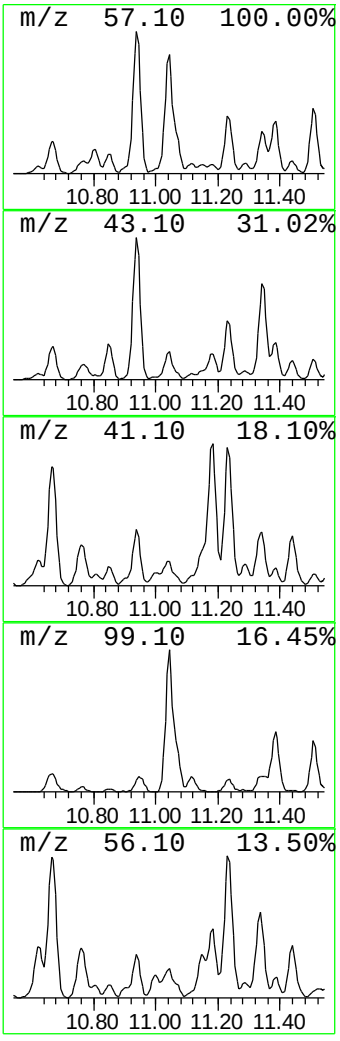
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	41.40 ug/L	663141	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	72
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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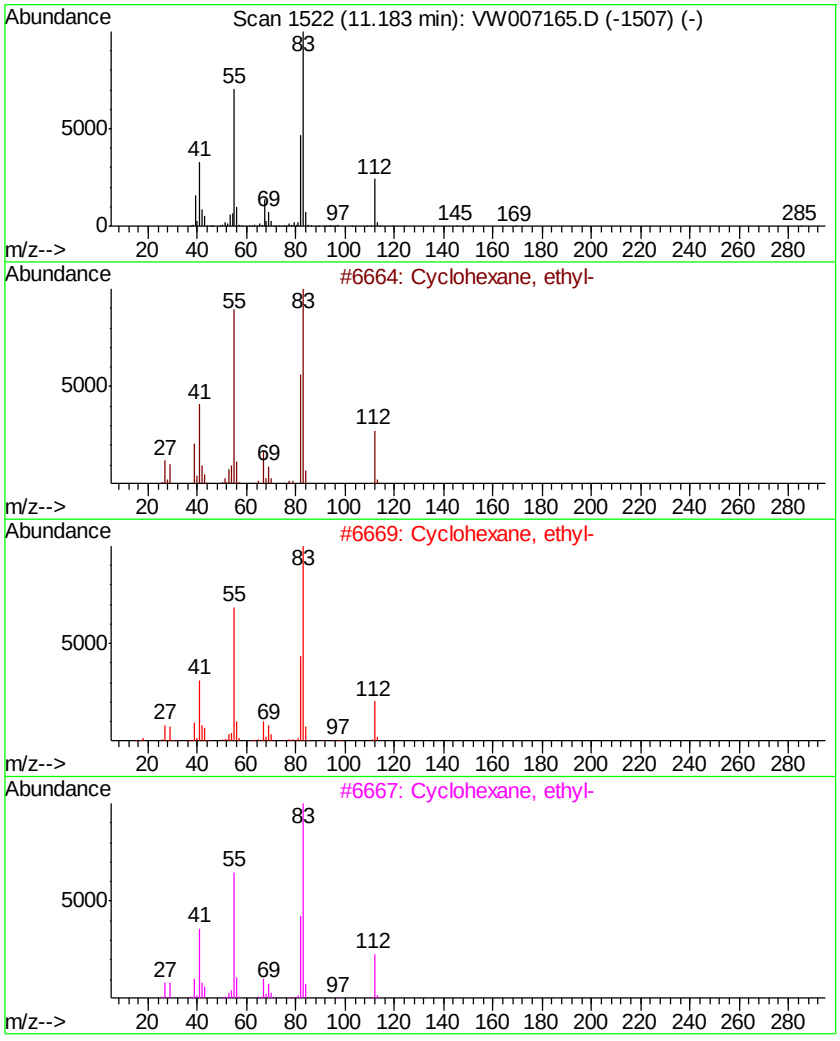
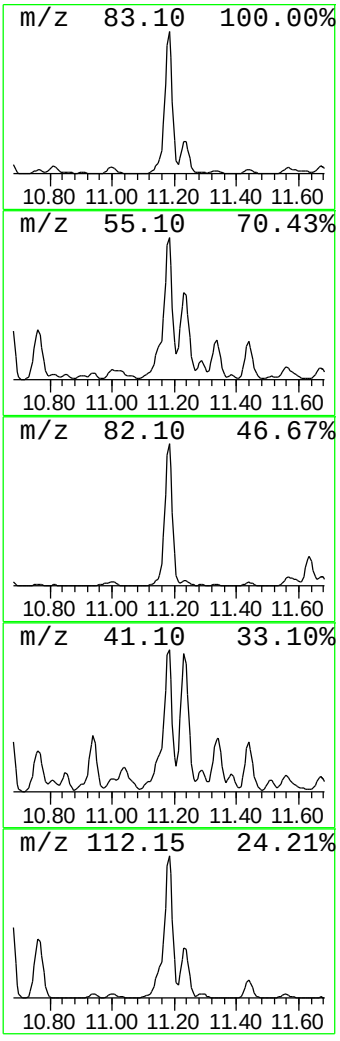
Peak Number 32 (DEL) Alkane: Cyclic11.18 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	300.23 ug/L	4809270	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	97
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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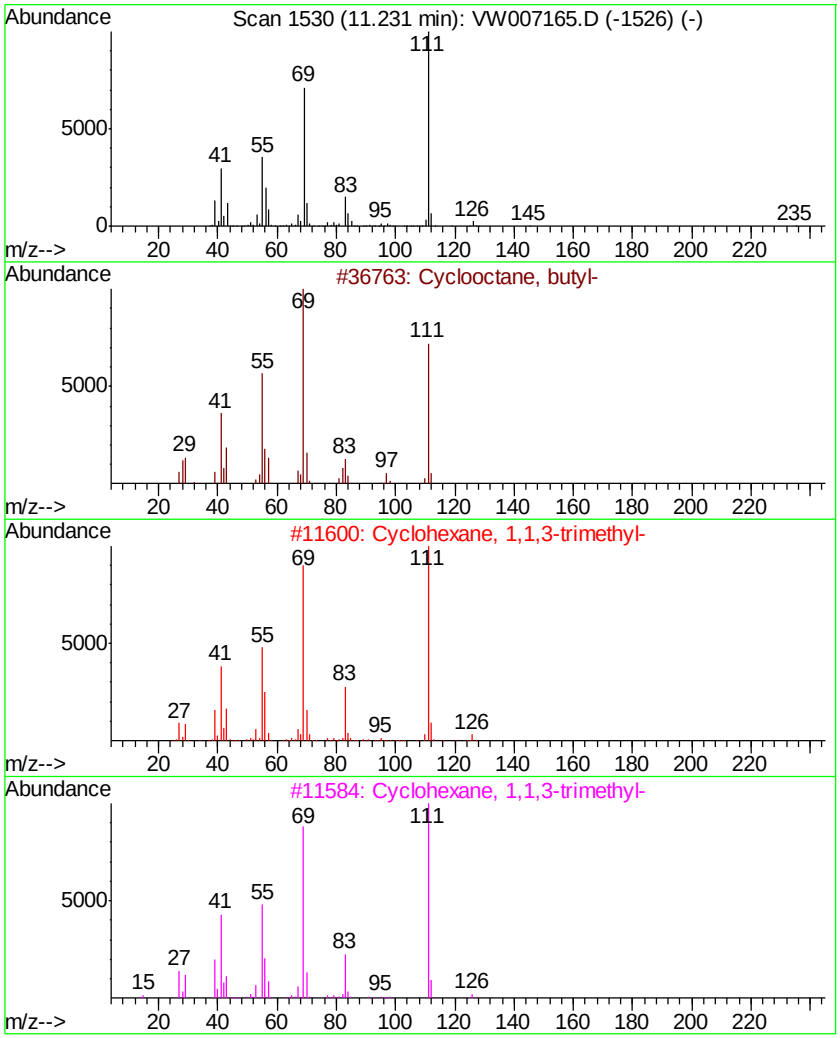
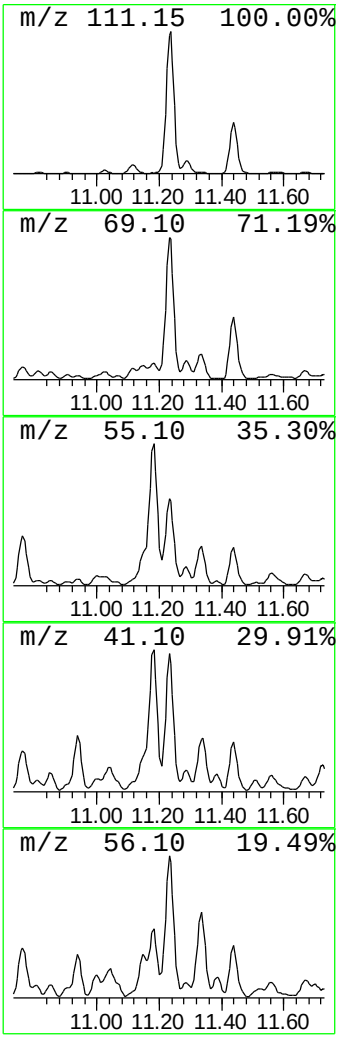
Peak Number 33 (DEL) Alkane: Cyclic11.23 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	251.85 ug/L	4034320	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	72
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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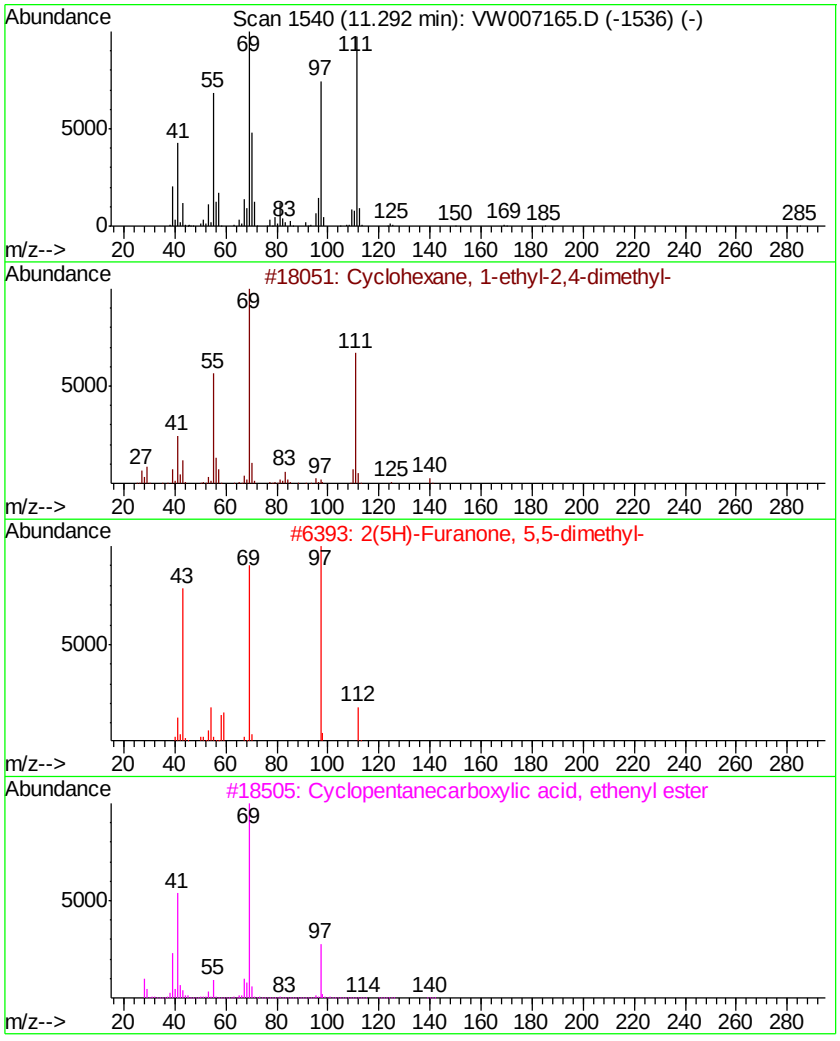
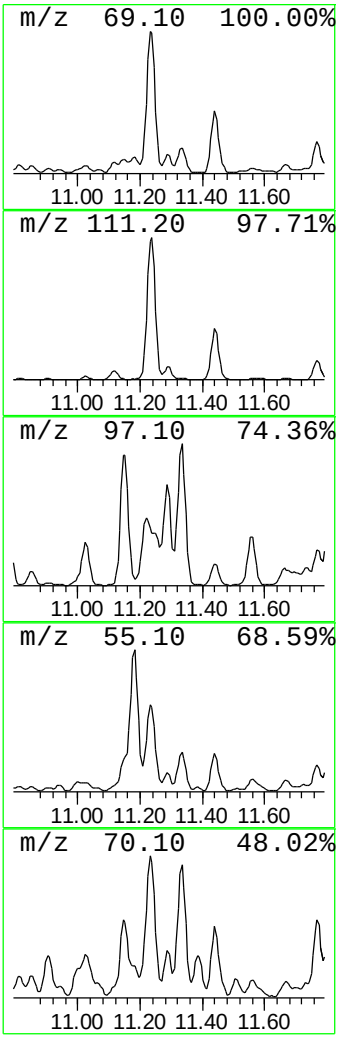
Peak Number 34 (DEL) Alkane: Cyclic11.29 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	25.27 ug/L	404783	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
2	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	43
3	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	38
4	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	38
5	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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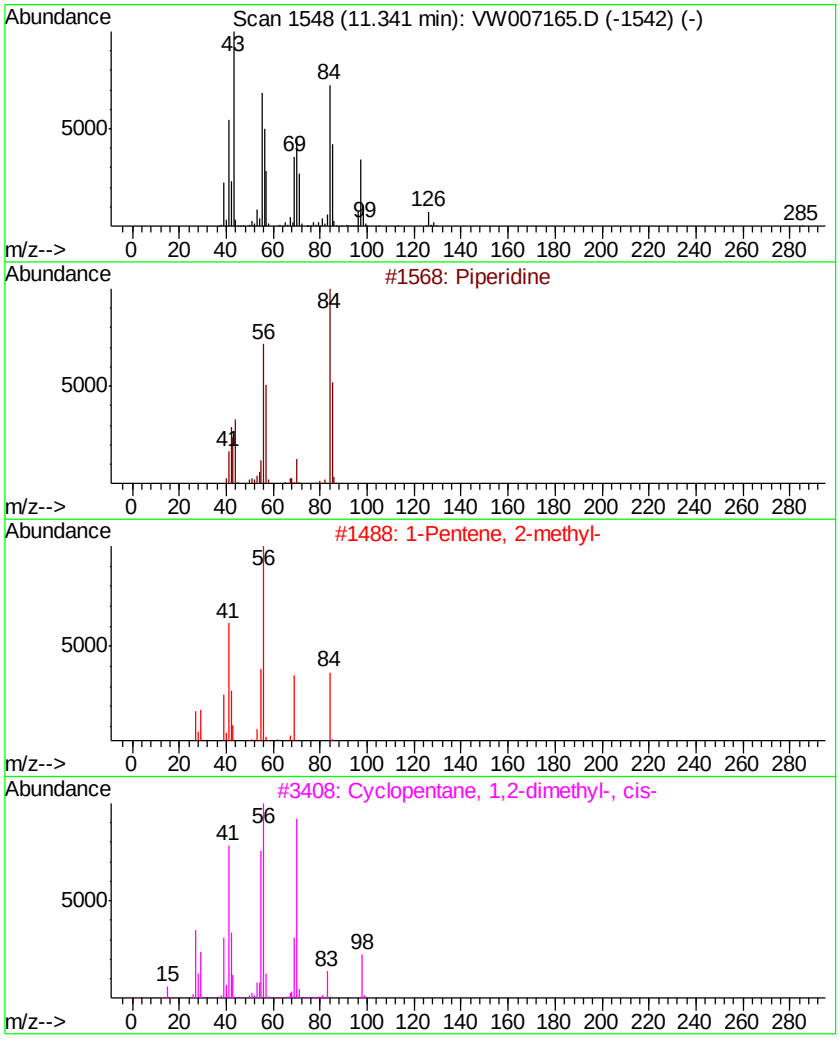
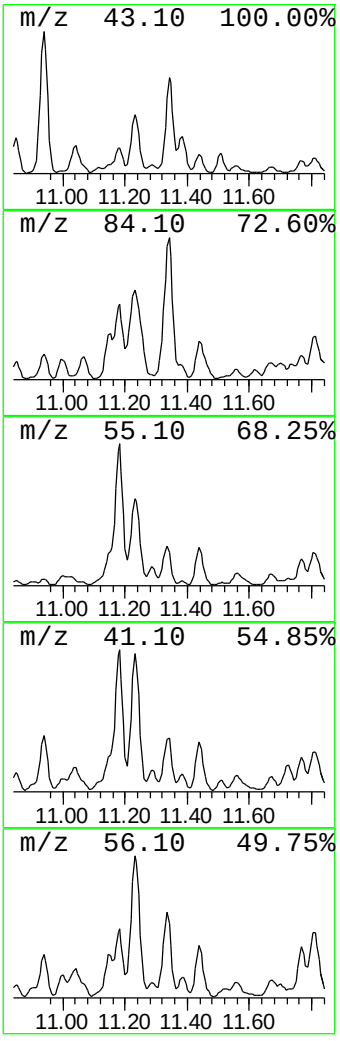
Peak Number 35 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	87.78 ug/L	1406100	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine	85	C5H11N	000110-89-4	43
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	38
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	30
4	Isopropylcyclobutane	98	C7H14	000872-56-0	30
5	Cyclohexane	84	C6H12	000110-82-7	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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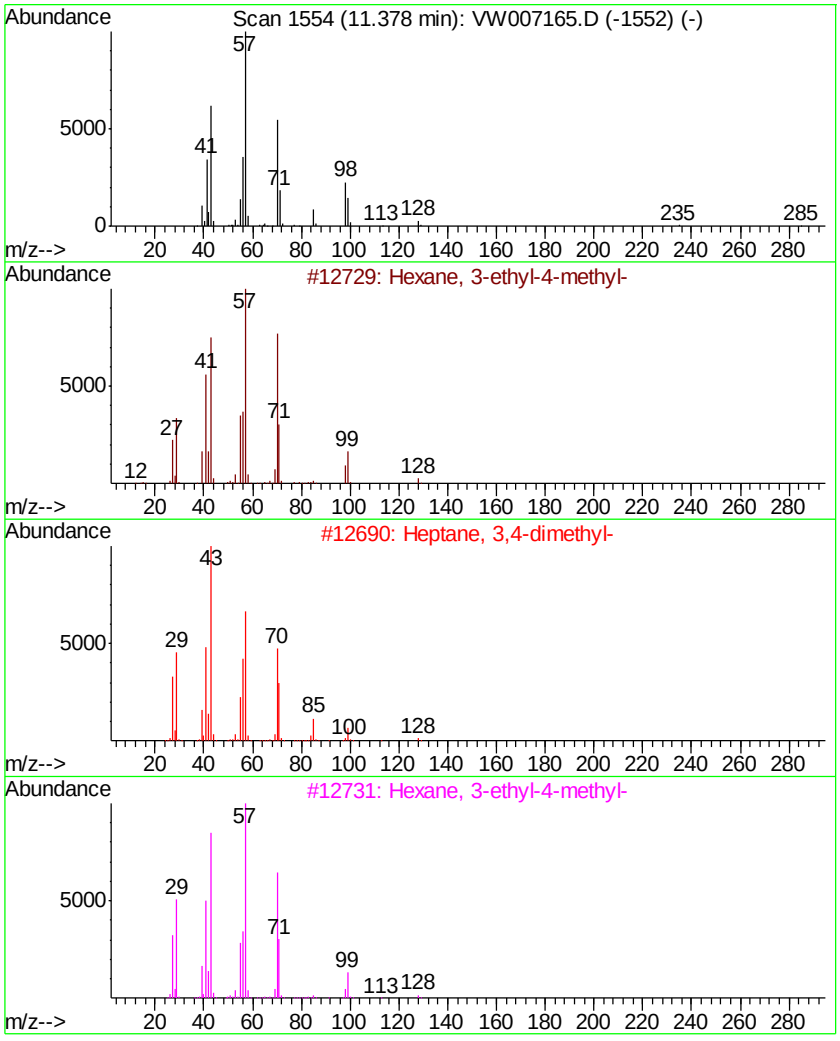
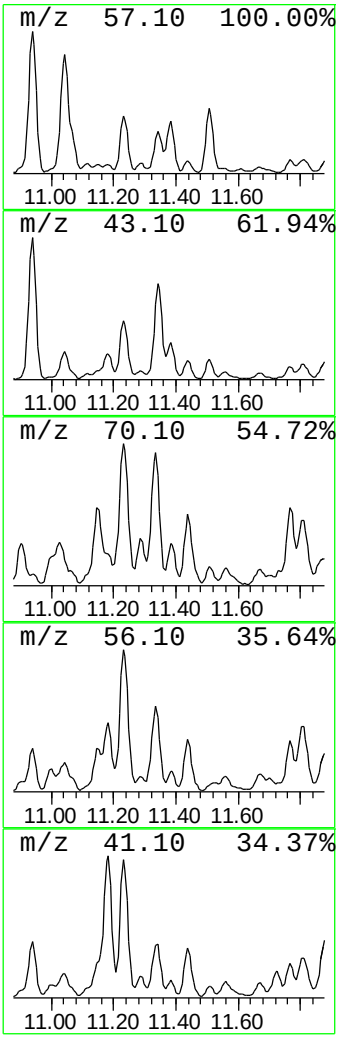
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	16.77 ug/L	268620	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	87
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
3	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	53
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52
5	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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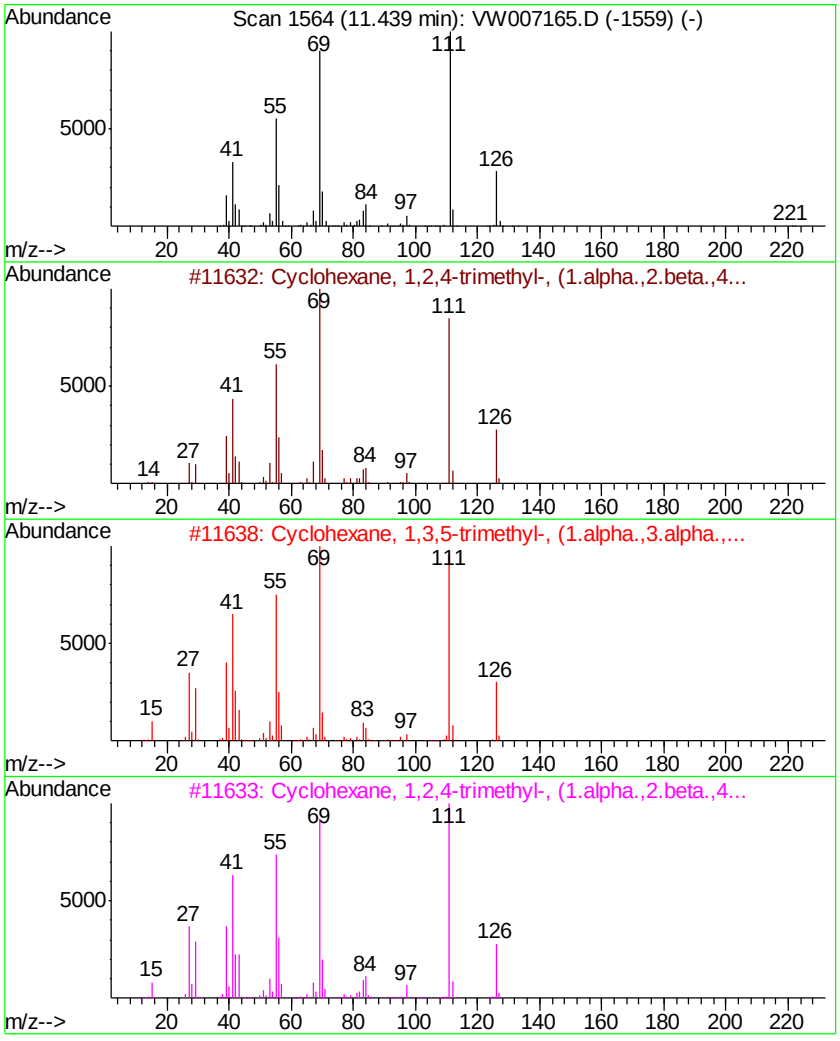
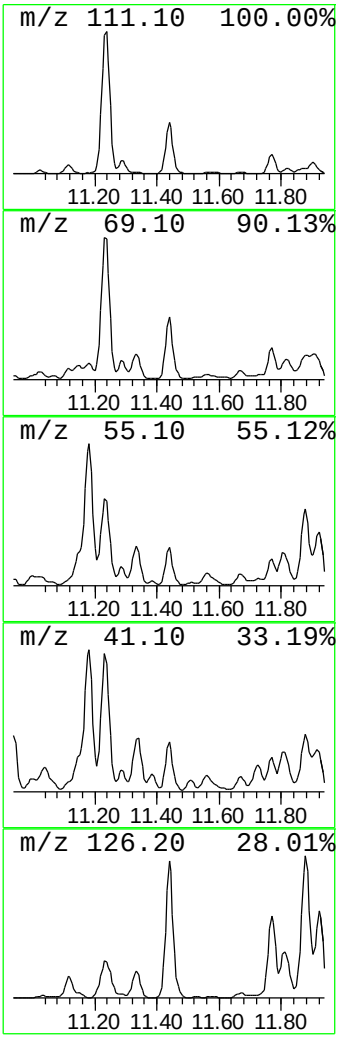
Peak Number 37 (DEL) Alkane: Cyclic11.44 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	93.53 ug/L	1498250	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

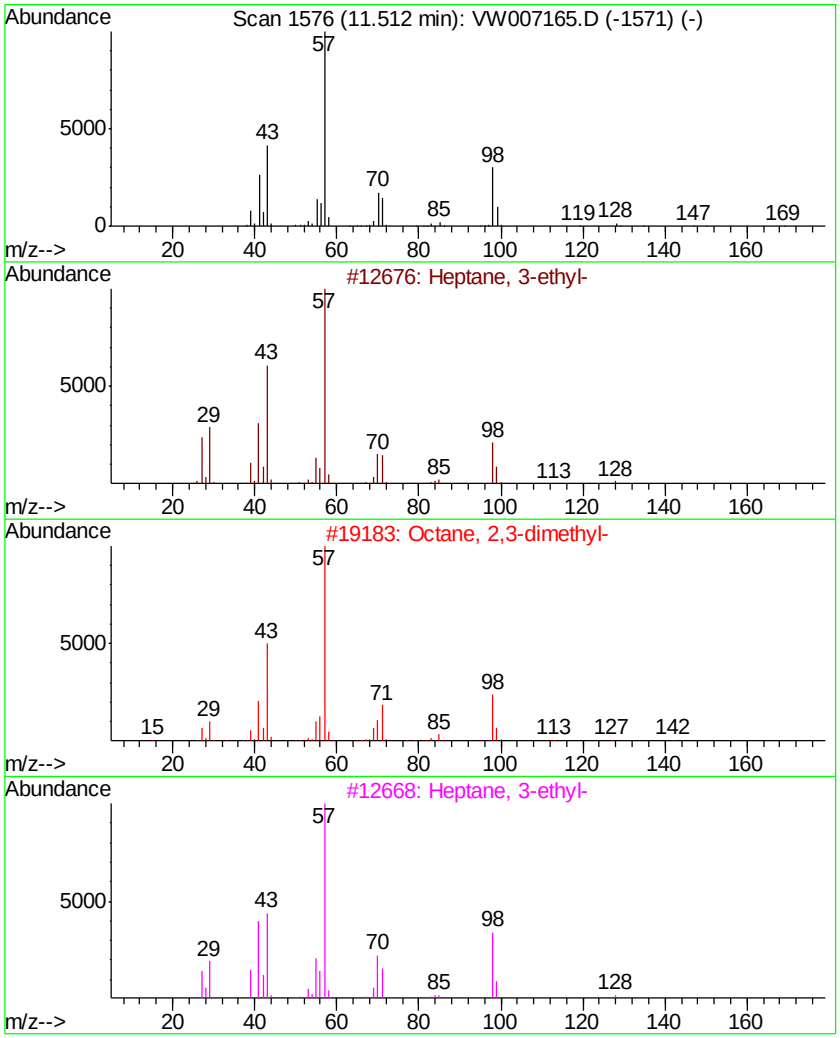
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

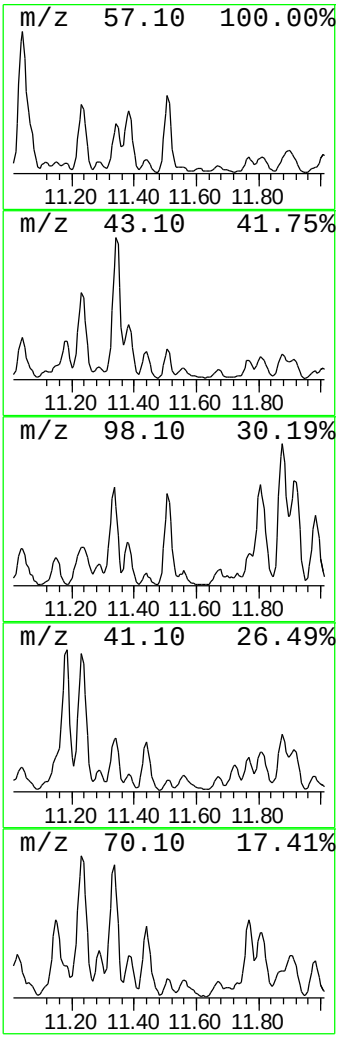
****

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	13.79 ug/L	220960	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	86
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
4	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	59
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

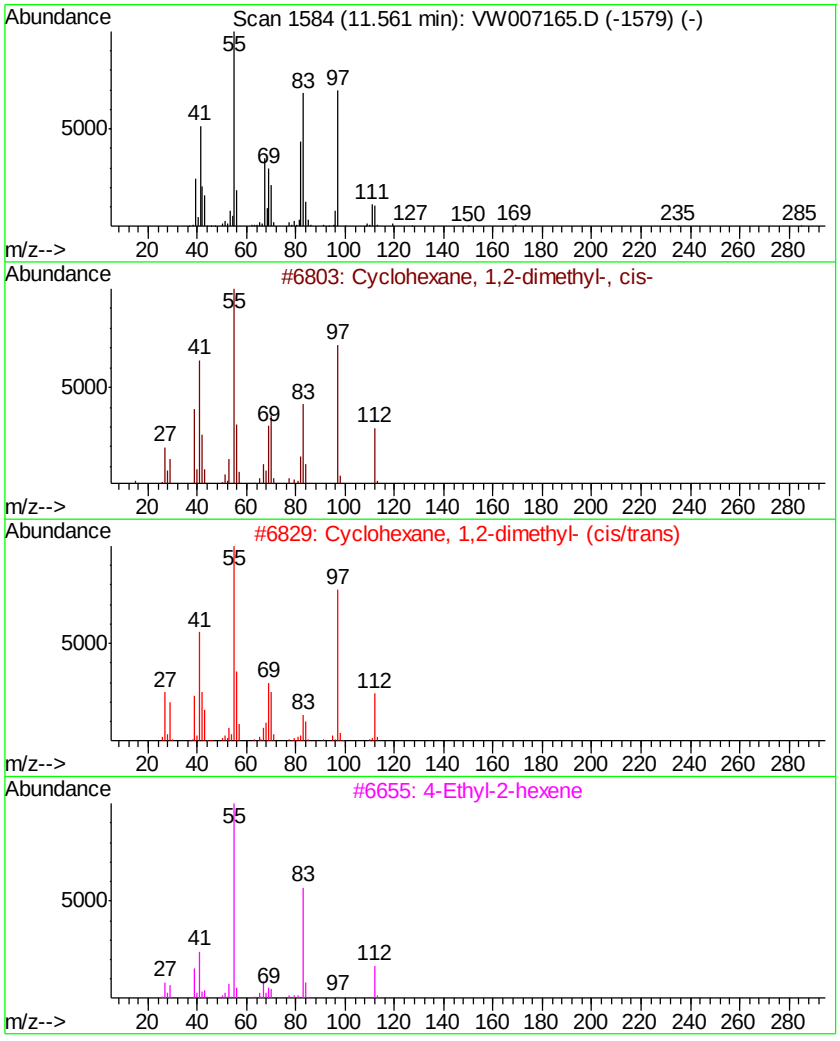
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

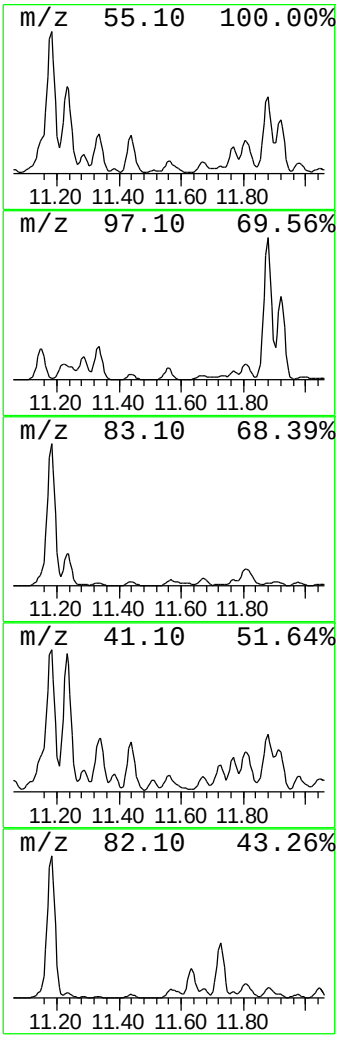
****

Peak Number 39 (DEL) Alkane: Cyclic11.56 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	20.57 ug/L	329527	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	38
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	30
3	4-Ethyl-2-hexene	112	C8H16	019780-46-2	30
4	3-Ethyl-2-hexene	112	C8H16	000620-00-8	30
5	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

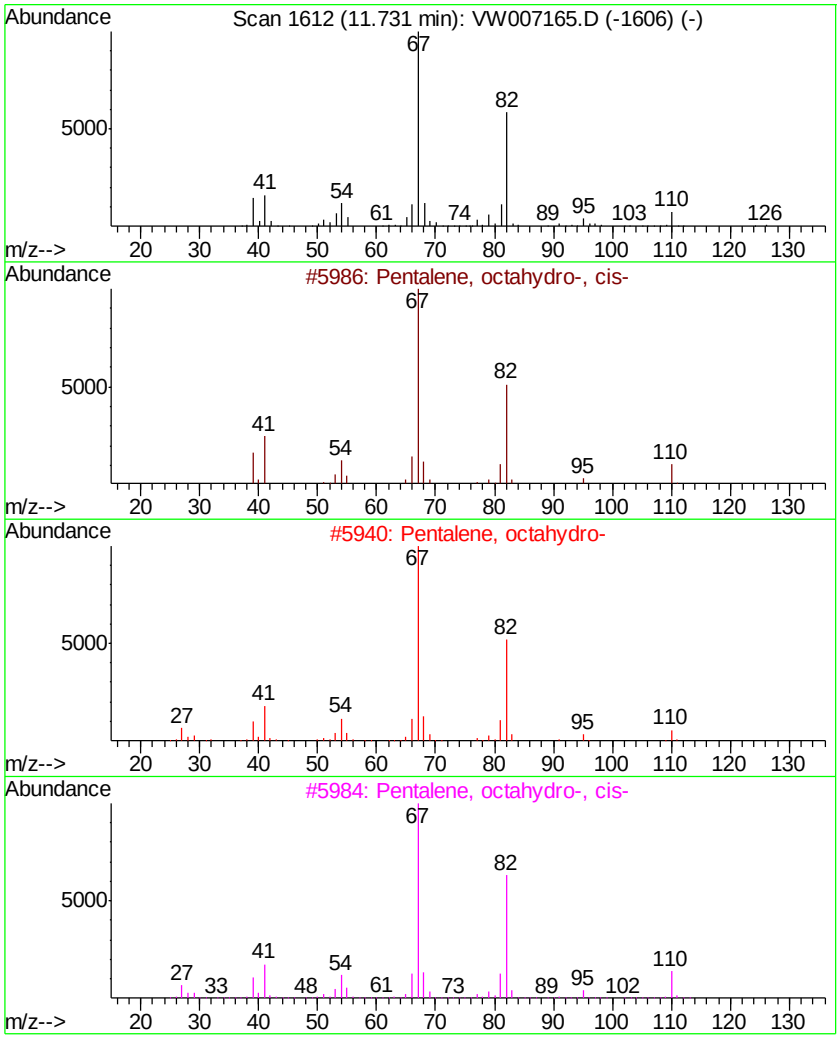
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

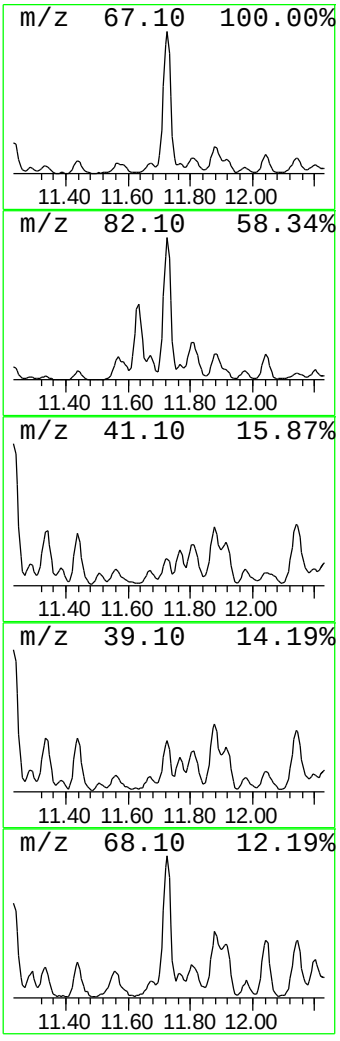
****

Peak Number 40 Pentalene, octahydro-, cis- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	49.87 ug/L	798851	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
2	Pentalene, octahydro-	110	C8H14	000694-72-4	91
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

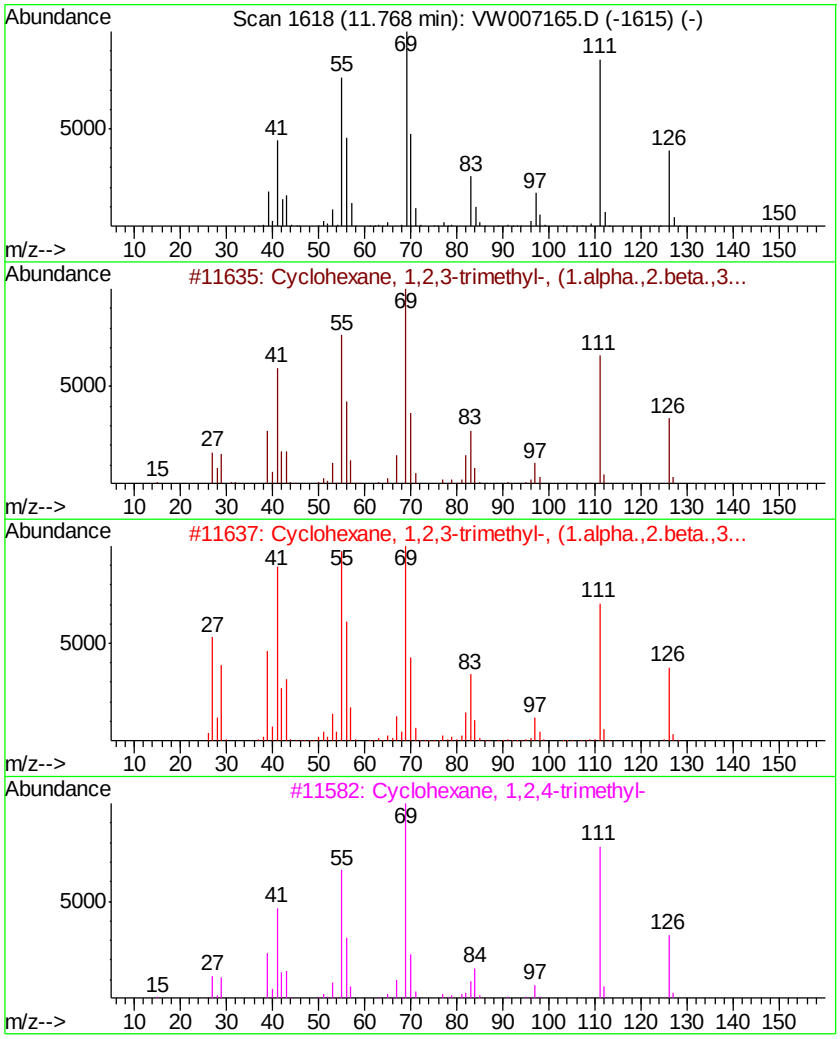
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

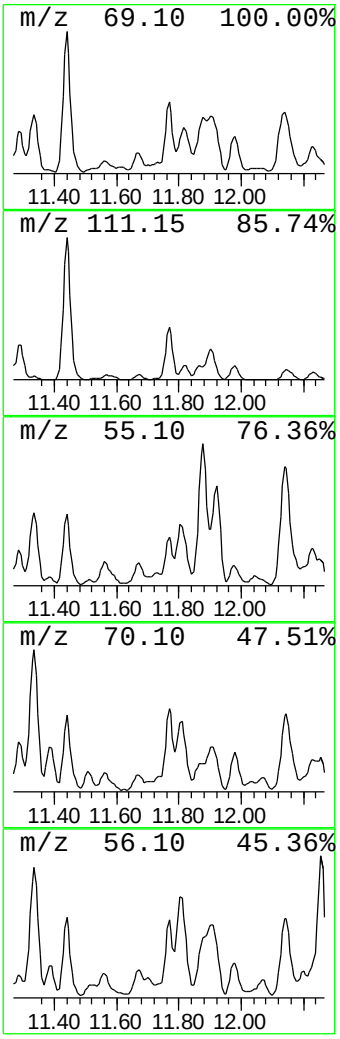
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Cyclic11.77 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	29.30 ug/L	469371	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	97
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	87
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

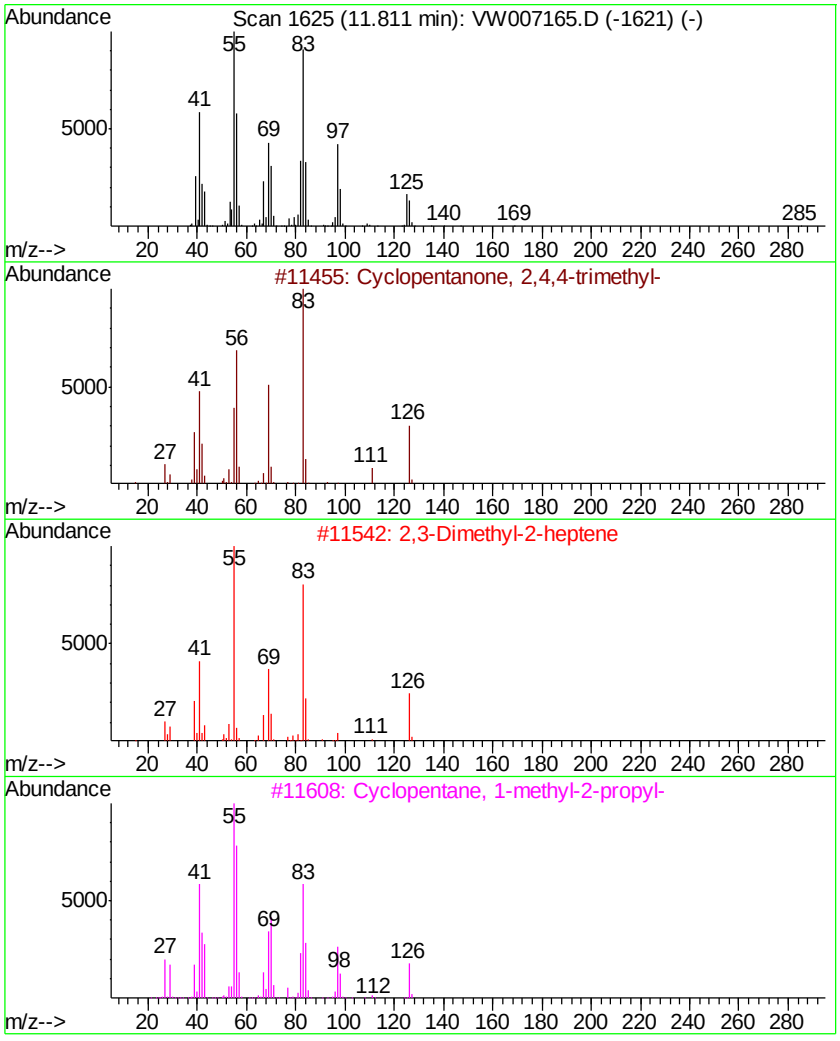
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

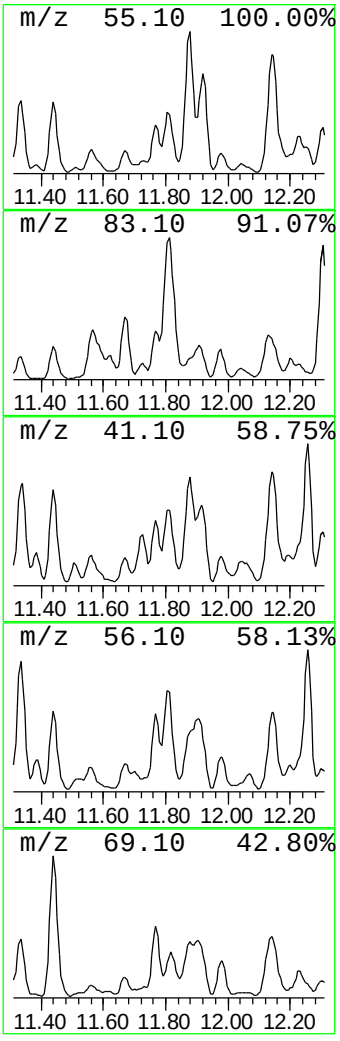
****

Peak Number 42 unknown-02 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	57.56 ug/L	922048	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	43
2	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	43
3	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	38
4	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	30
5	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

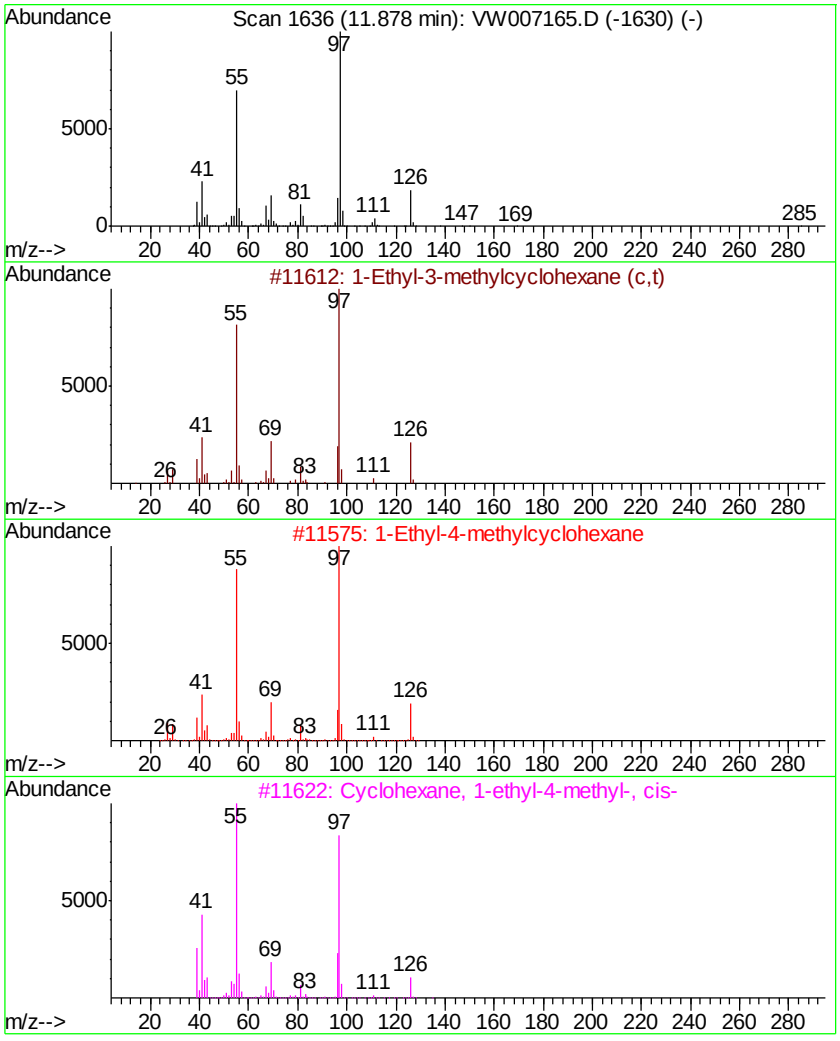
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

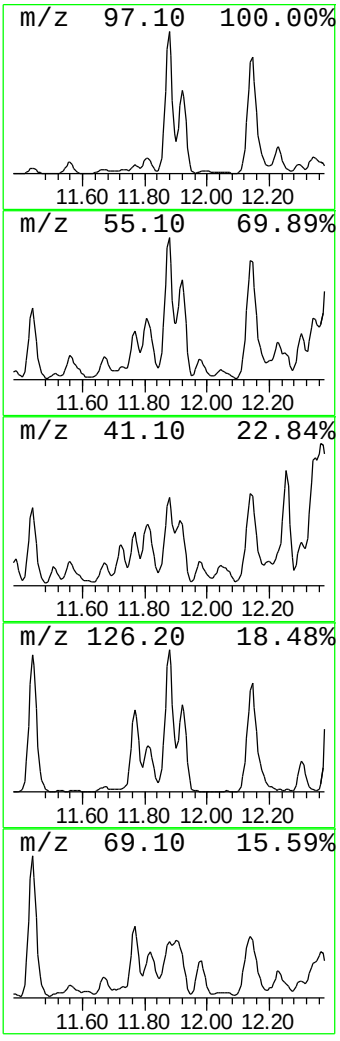
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Cyclic11.88 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	115.70 ug/L	1853310	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

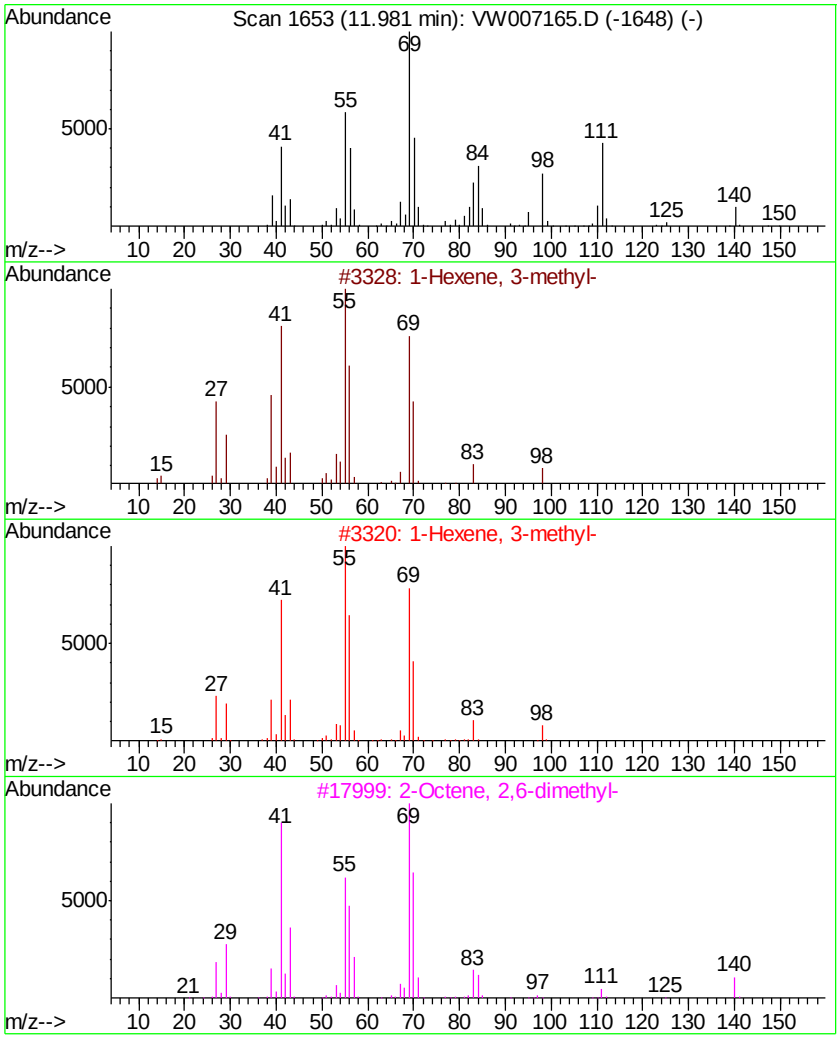
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

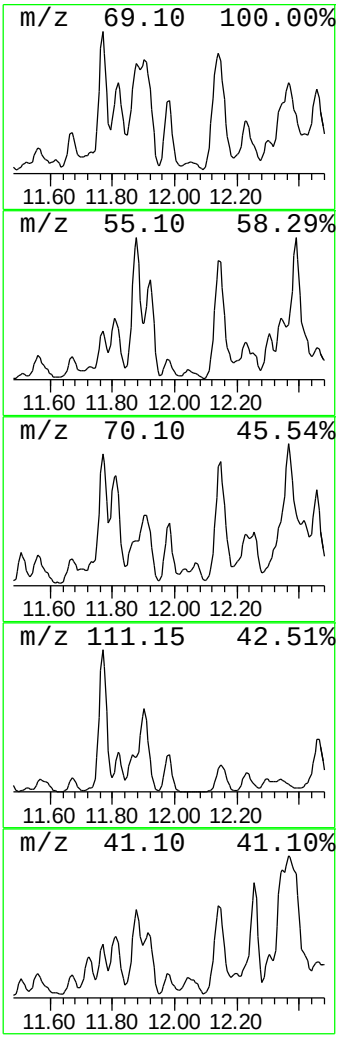
****

Peak Number 44 (DEL) Alkane: Cyclic11.98 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	28.56 ug/L	457545	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	52
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
4	1,4-Cyclooctanedione	140	C8H12O2	055794-45-1	50
5	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

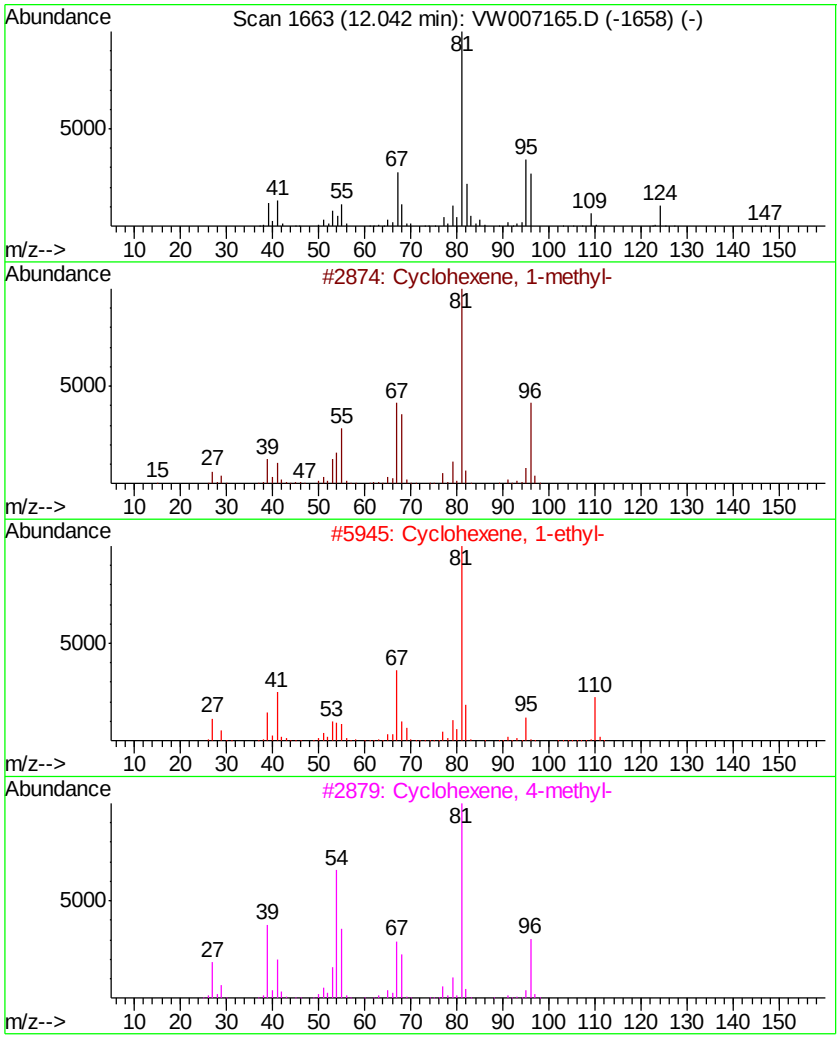
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

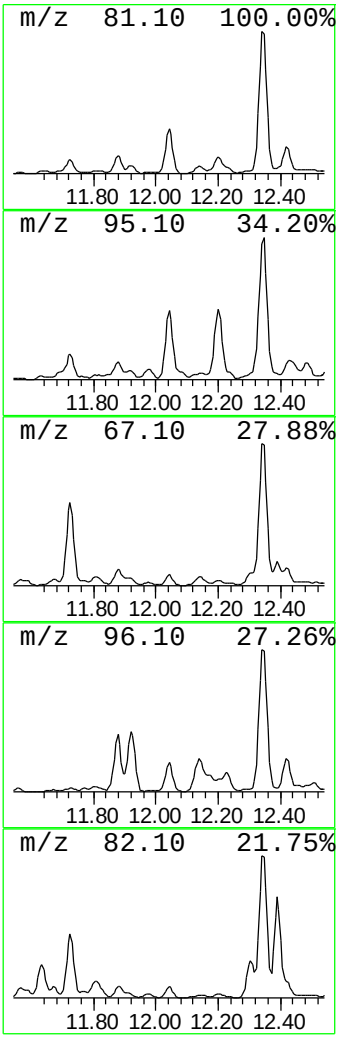
****

Peak Number 45 Cyclohexene, 1-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	40.91 ug/L	655341	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	53
4	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	53
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

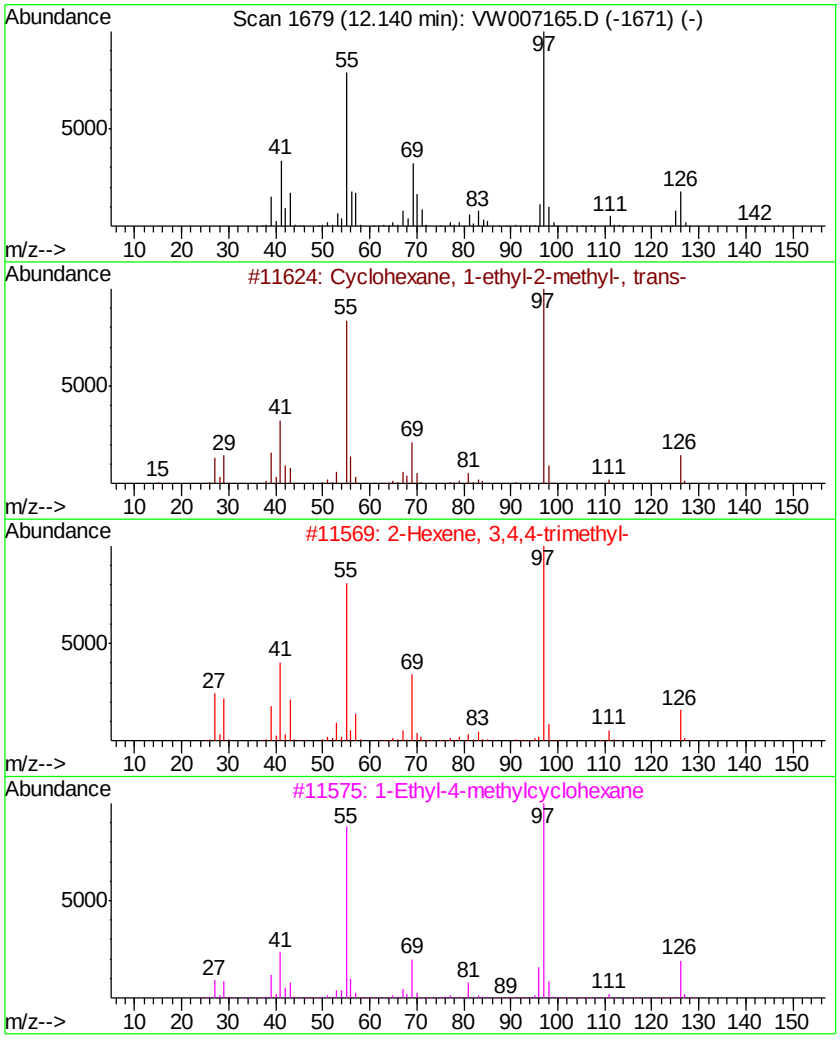
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

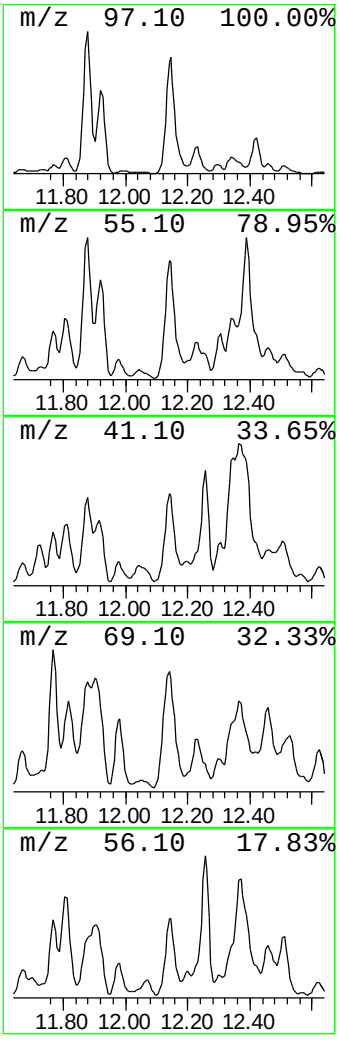
****

Peak Number 46 (DEL) Alkane: Cyclic12.14 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	149.03 ug/L	2387300	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	74
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

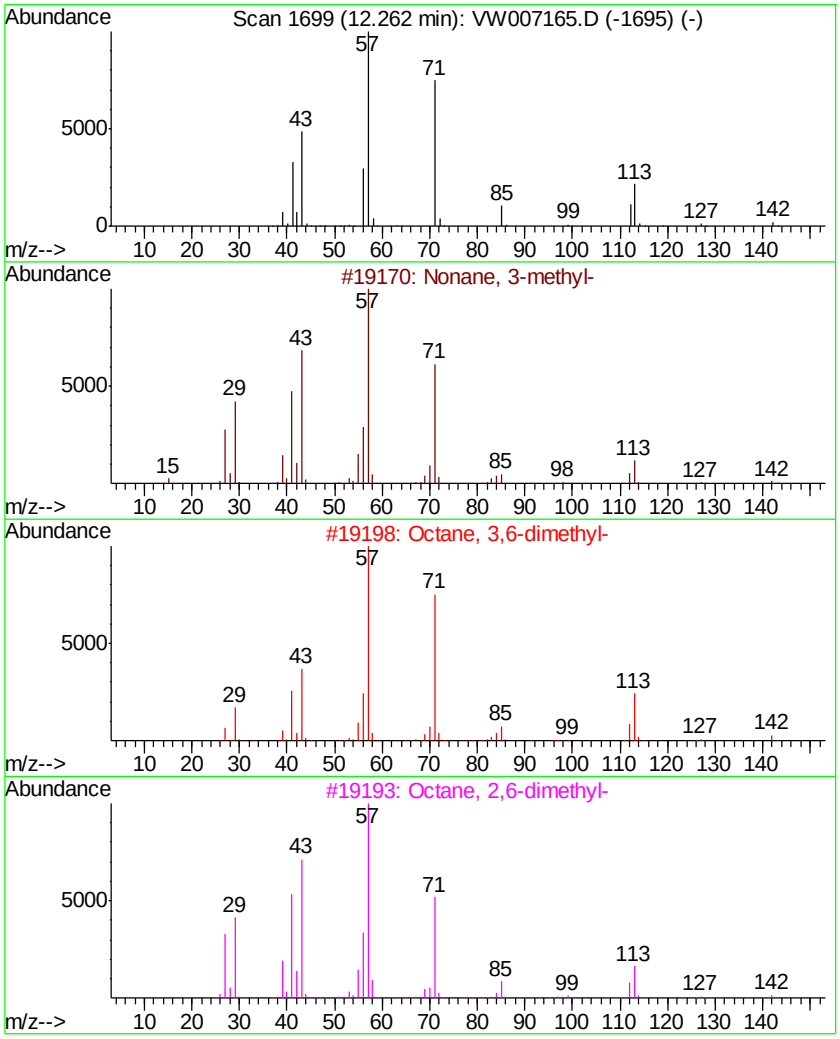
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

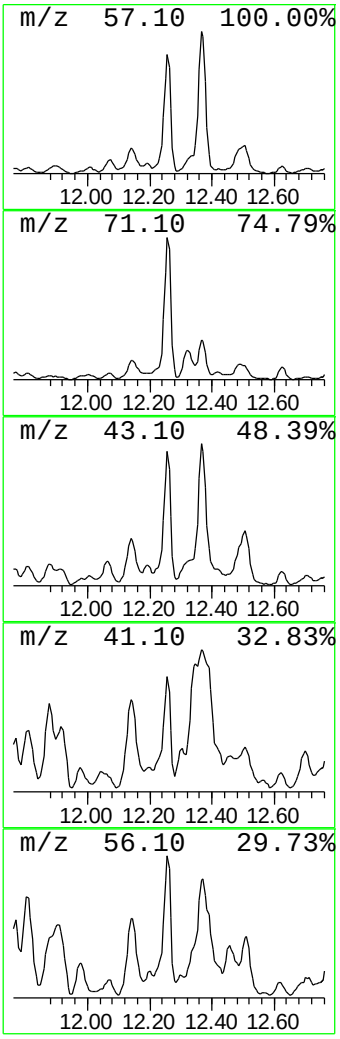
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	72.02 ug/L	1153730	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

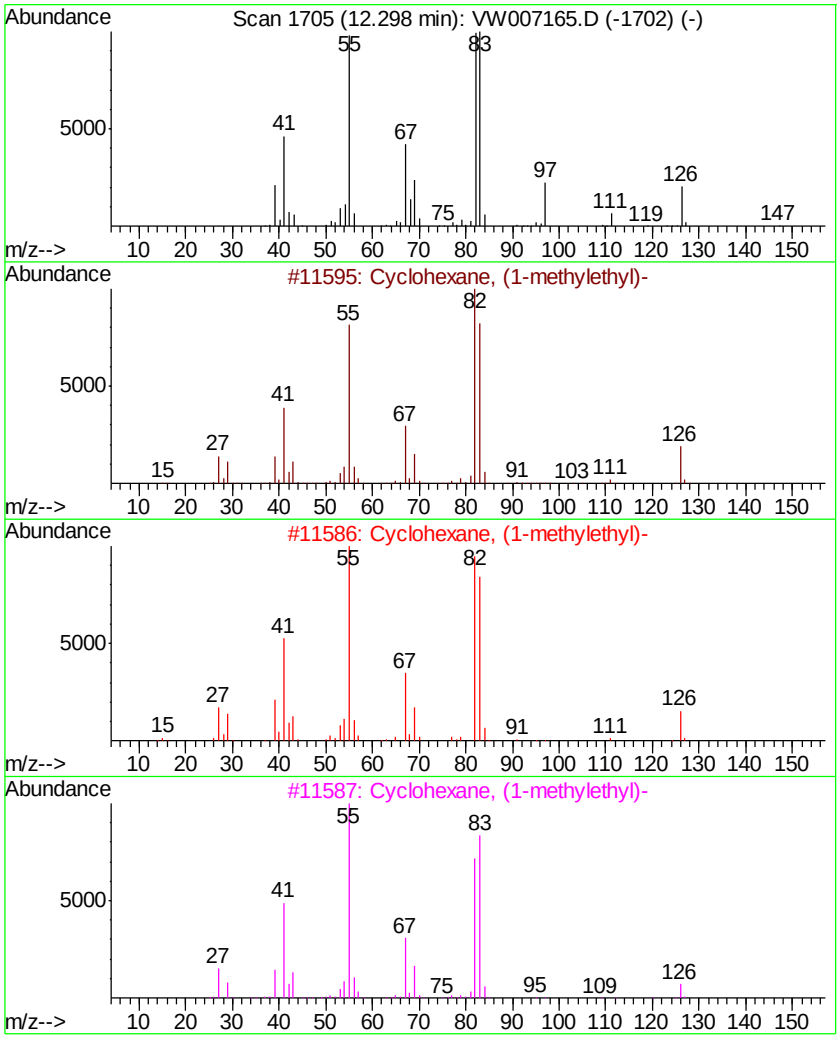
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

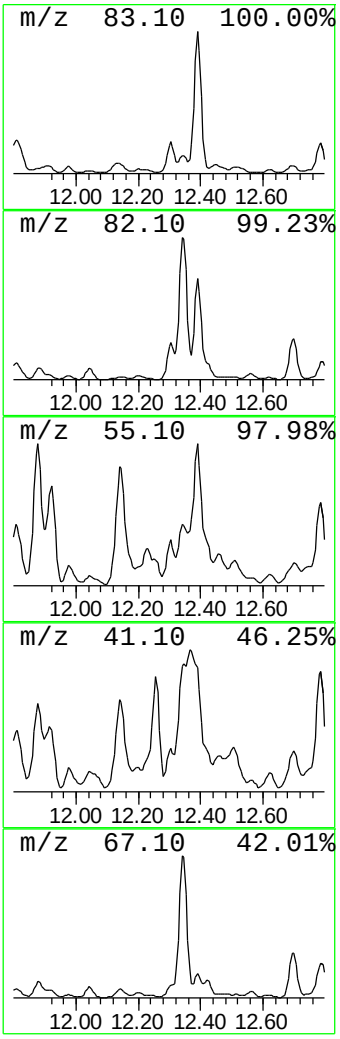
****

Peak Number 48 (DEL) Alkane: Cyclic12.30 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	22.71 ug/L	363775	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	52
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

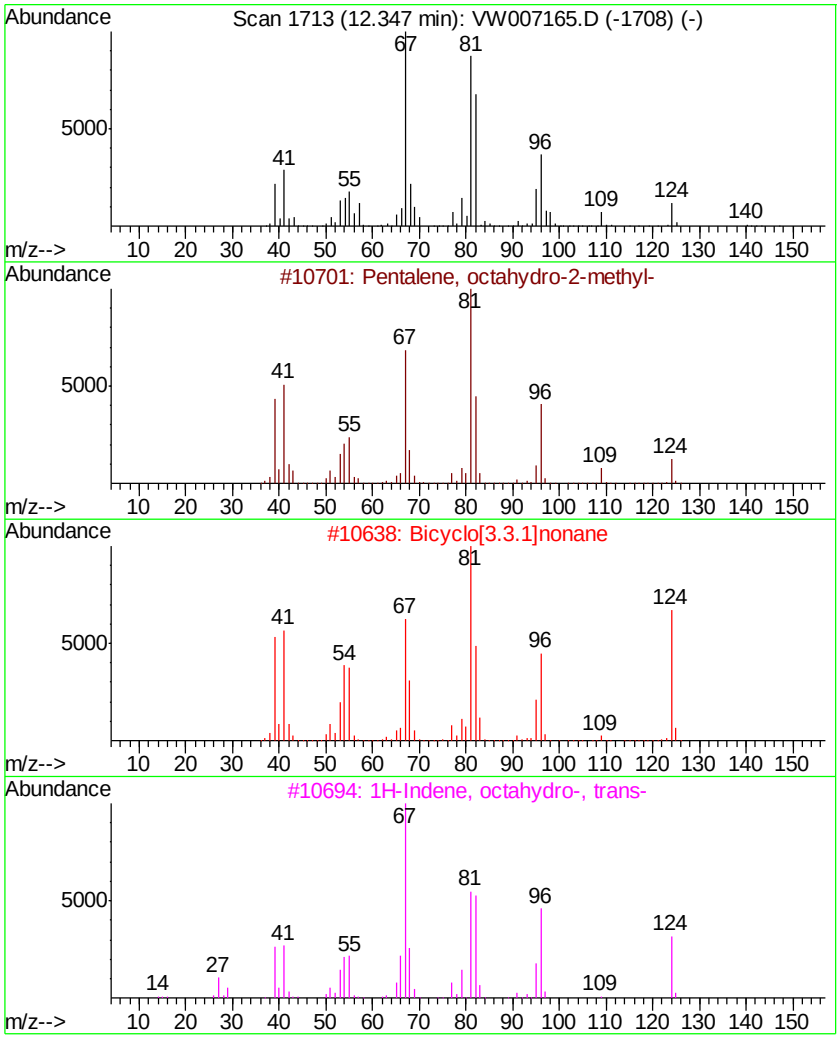
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

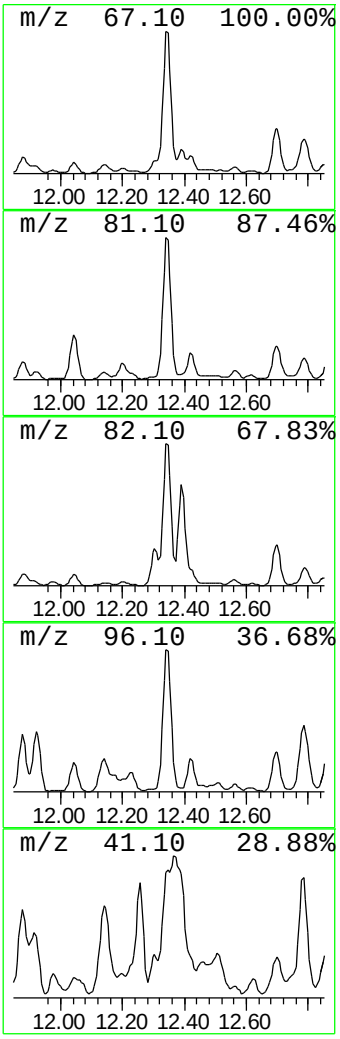
****

Peak Number 49 Pentalene, octahydro-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	224.81 ug/L	3601250	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	72
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	62
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
4	Cyclopentane, (2-methylpropylide...	124	C9H16	053366-58-8	50
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

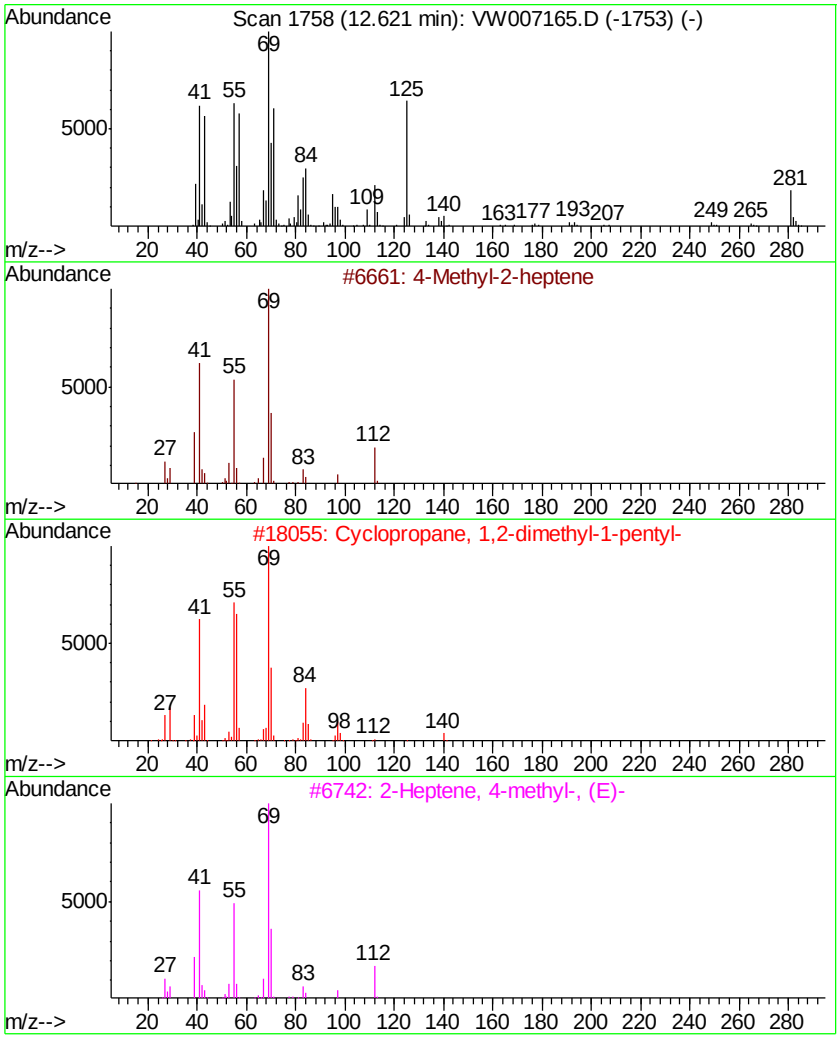
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

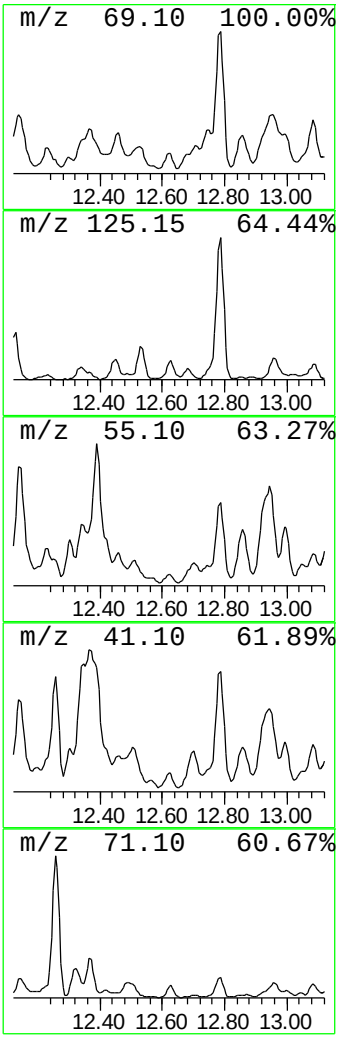
****

Peak Number 50 (DEL) Alkane: Cyclic12.62 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	31.82 ug/L	332497	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-2-heptene	112	C8H16	003404-56-6	49
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
3	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	46
4	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	46
5	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

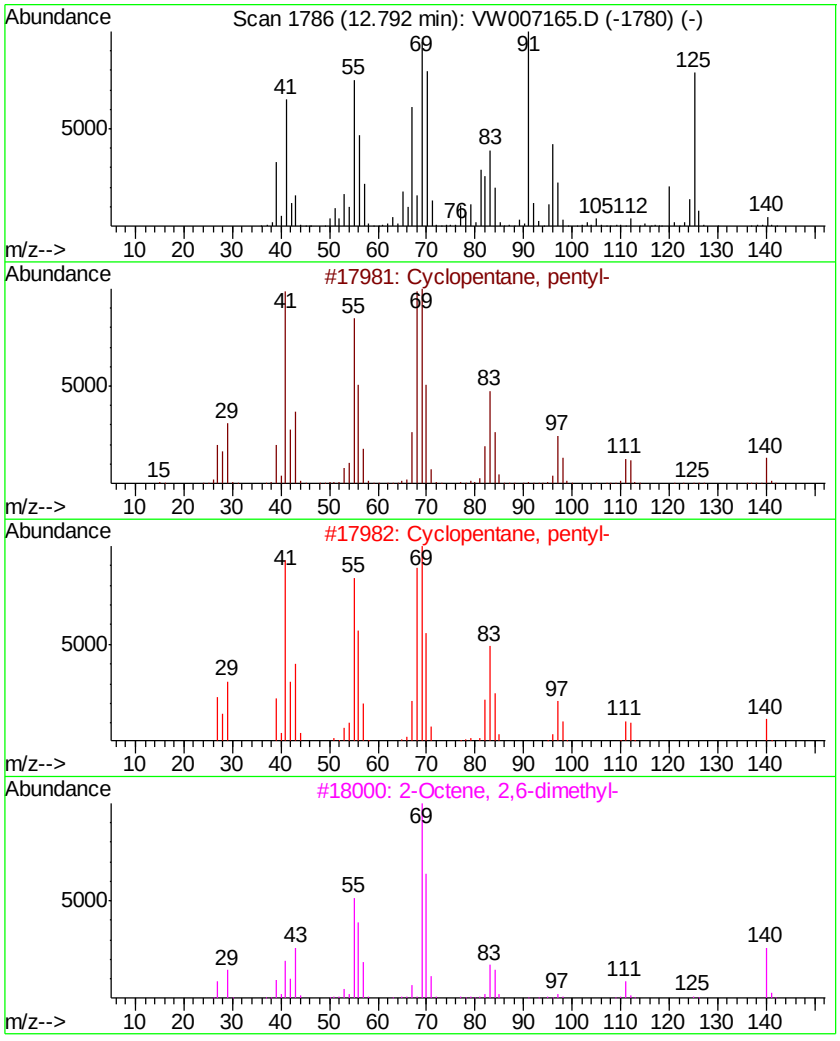
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

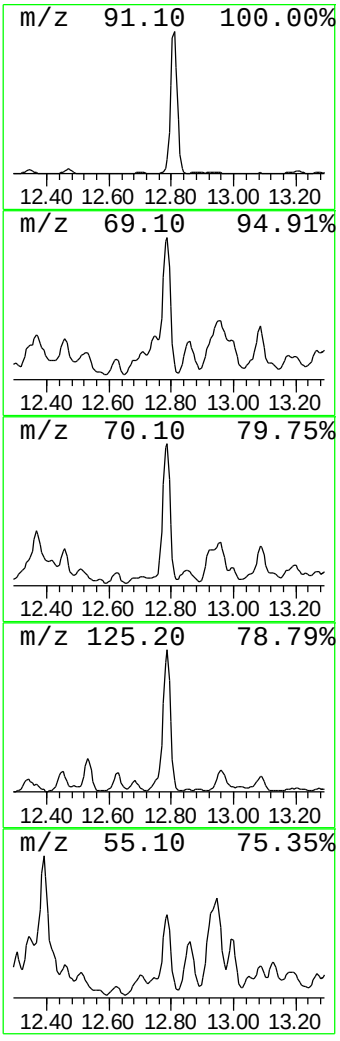
****

Peak Number 51 (DEL) Alkane: Cyclic12.79 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	280.57 ug/L	2931860	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, pentyl-	140	C10H20	003741-00-2	49
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	46
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	45
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41
5	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

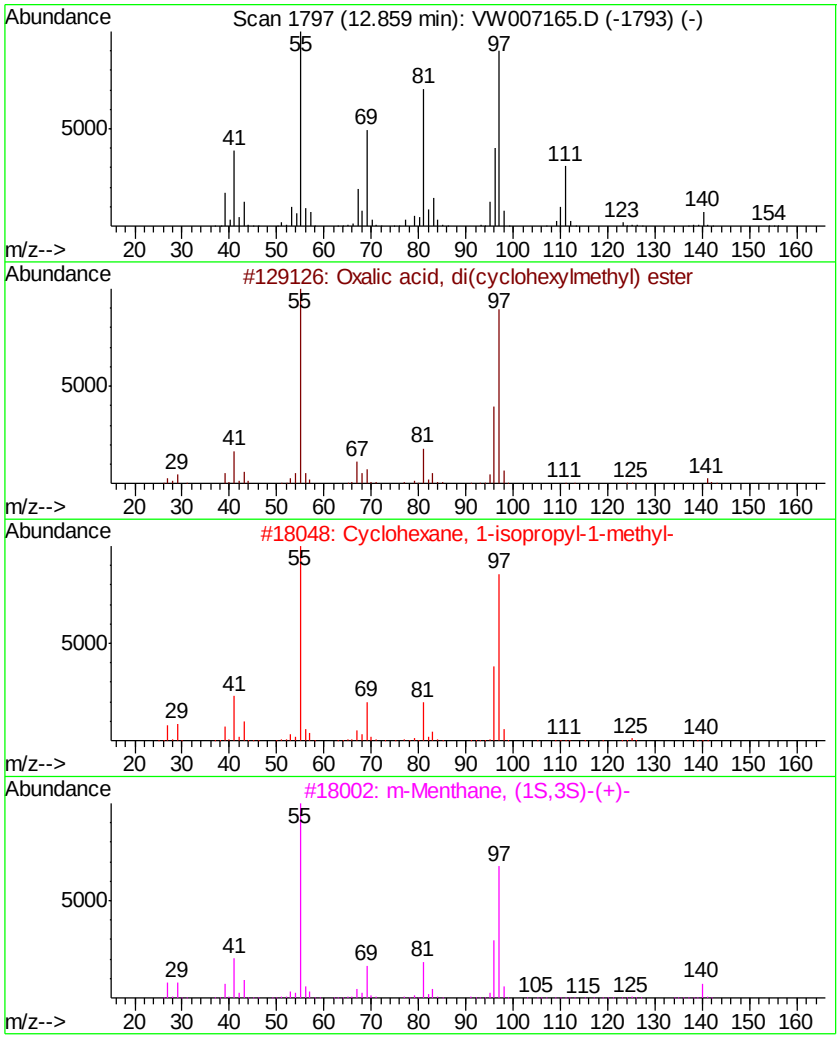
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

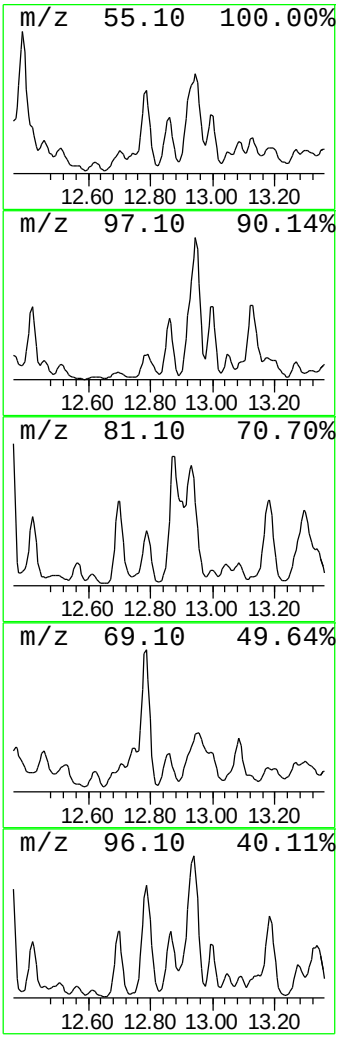
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Oxalic acid, di(cyclohexylm... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	66.34 ug/L	693259	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	72
2	Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	59
3	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	58
4	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	58
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

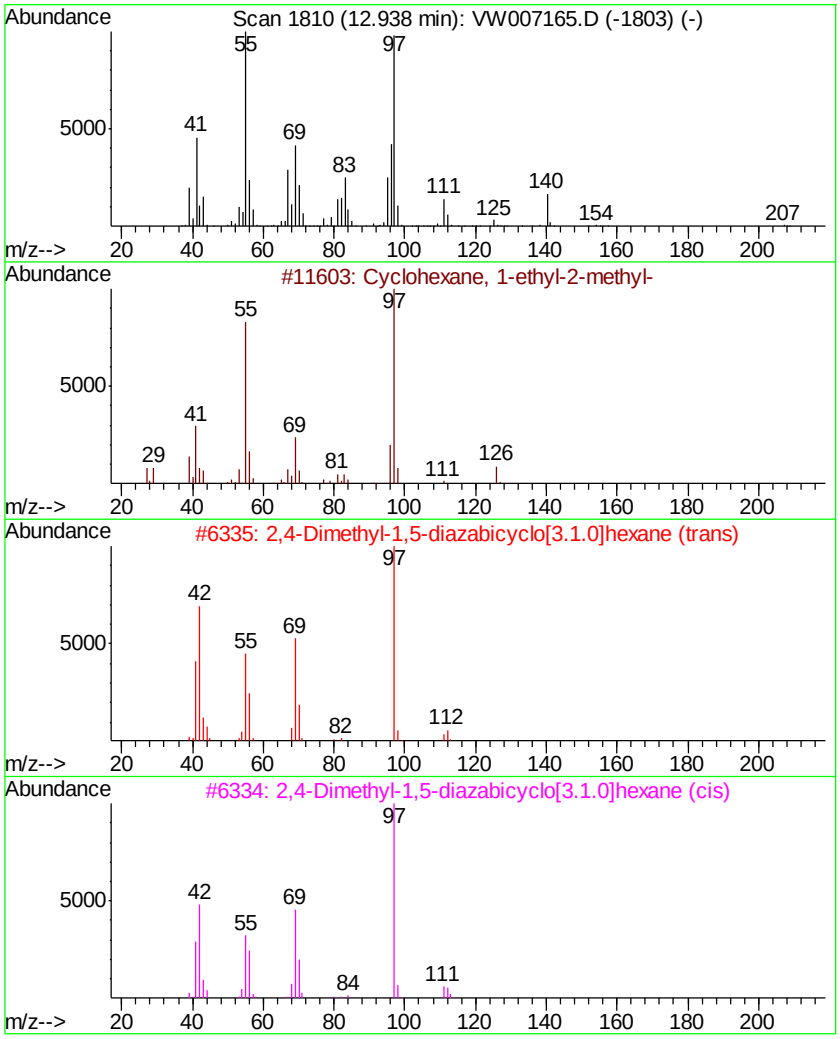
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

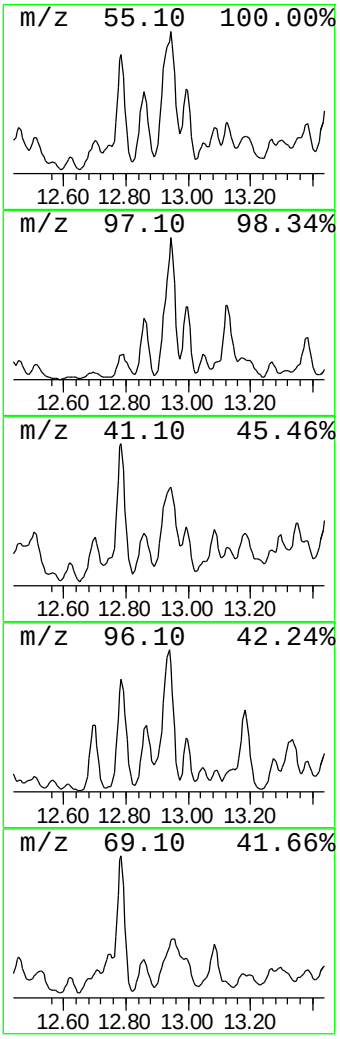
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Cyclic12.94 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	206.21 ug/L	2154820	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
2	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	53
3	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	49
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	49
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

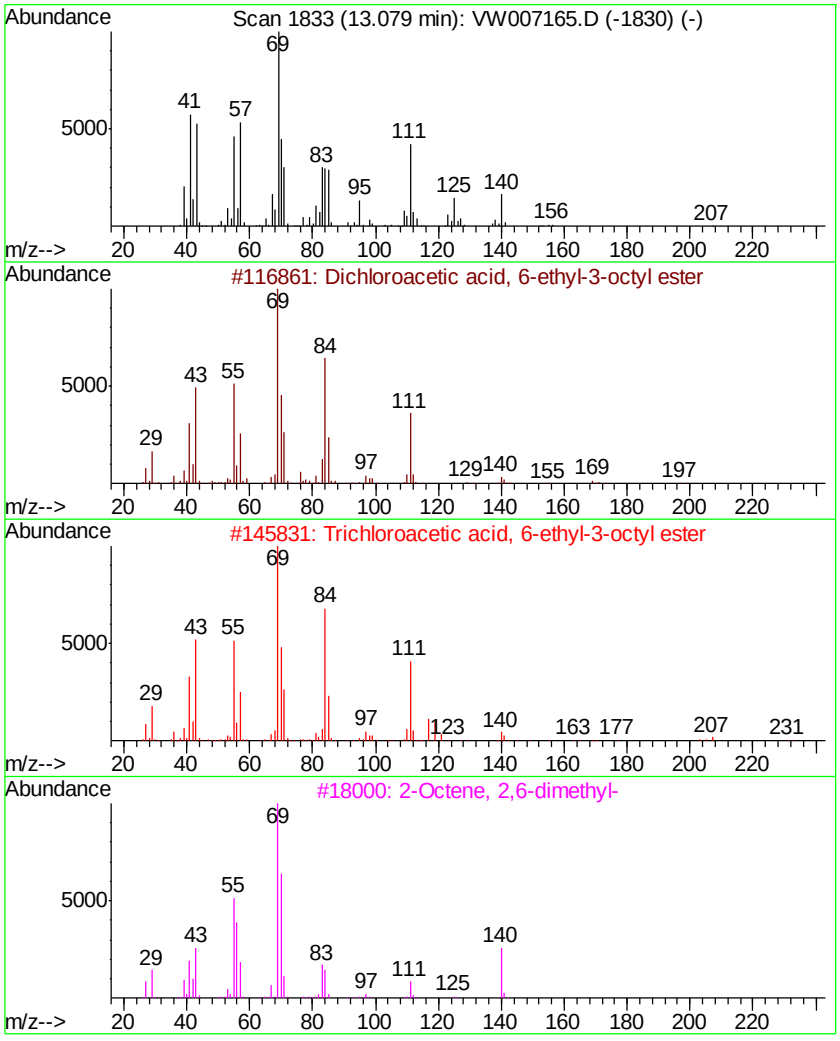
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

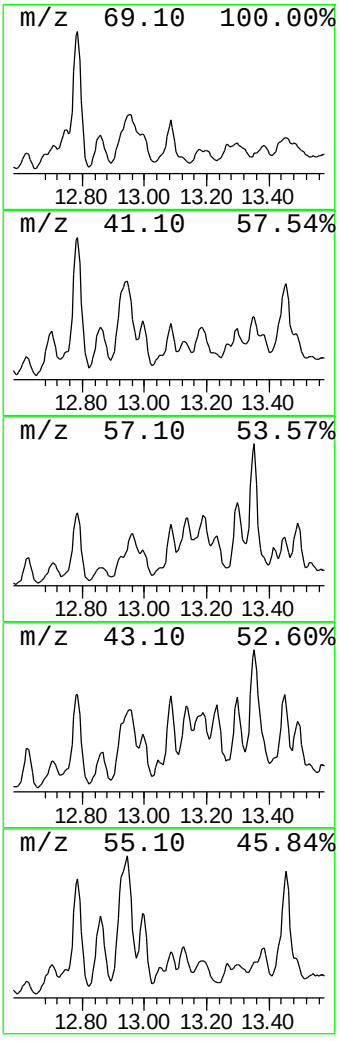
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Dichloroacetic acid, 6-ethy... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	39.11 ug/L	408684	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	59
2	Trichloroacetic acid, 6-ethyl-3-...	302	C12H21Cl3O2	1000282-57-4	53
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
4	3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	38
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

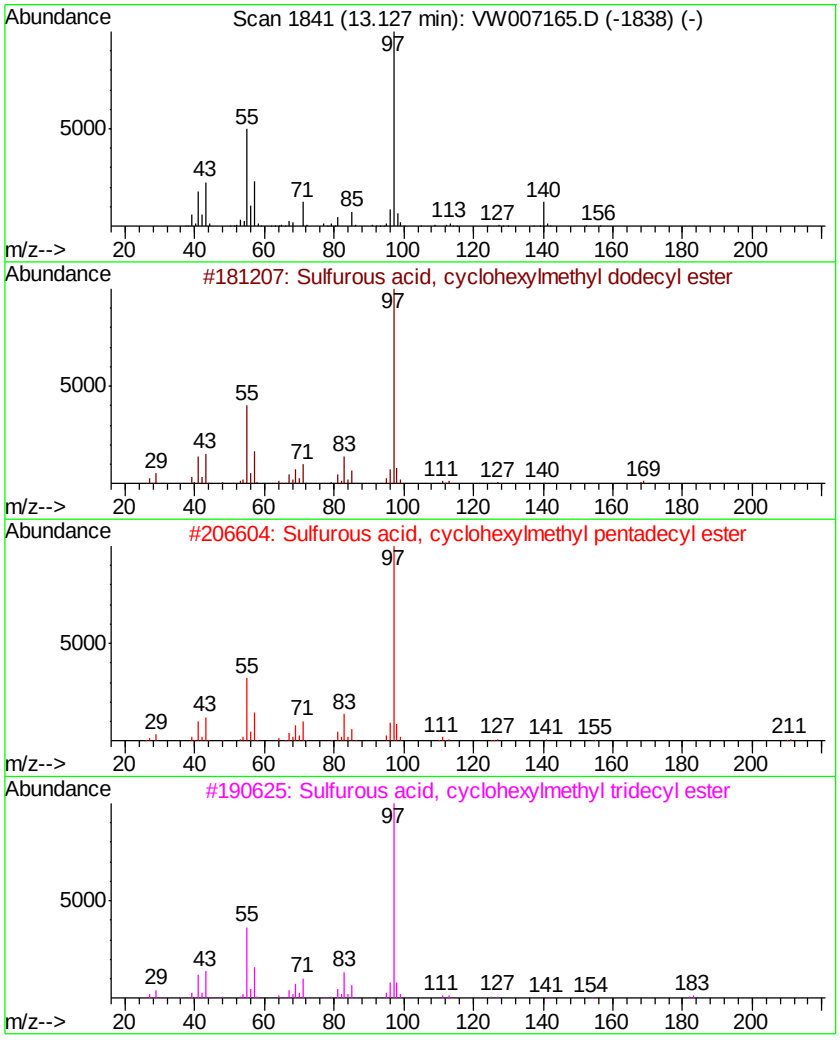
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

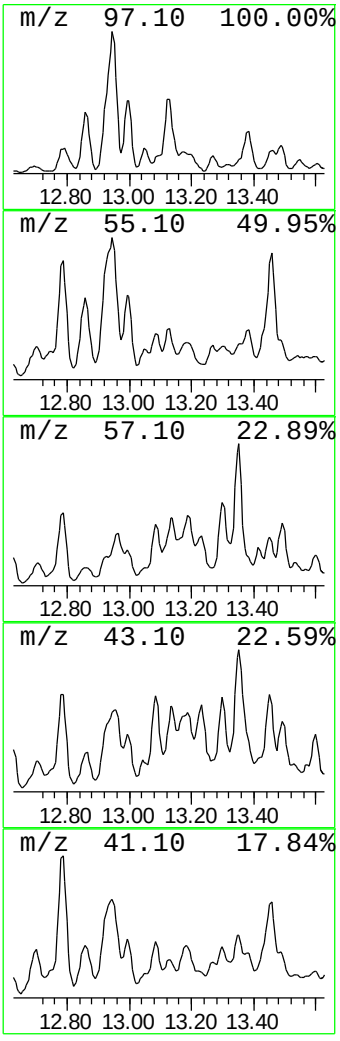
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Sulfurous acid, cyclohexylm... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	20.07 ug/L	209708	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	72
2	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	64
3	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	64
4	Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	59
5	4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

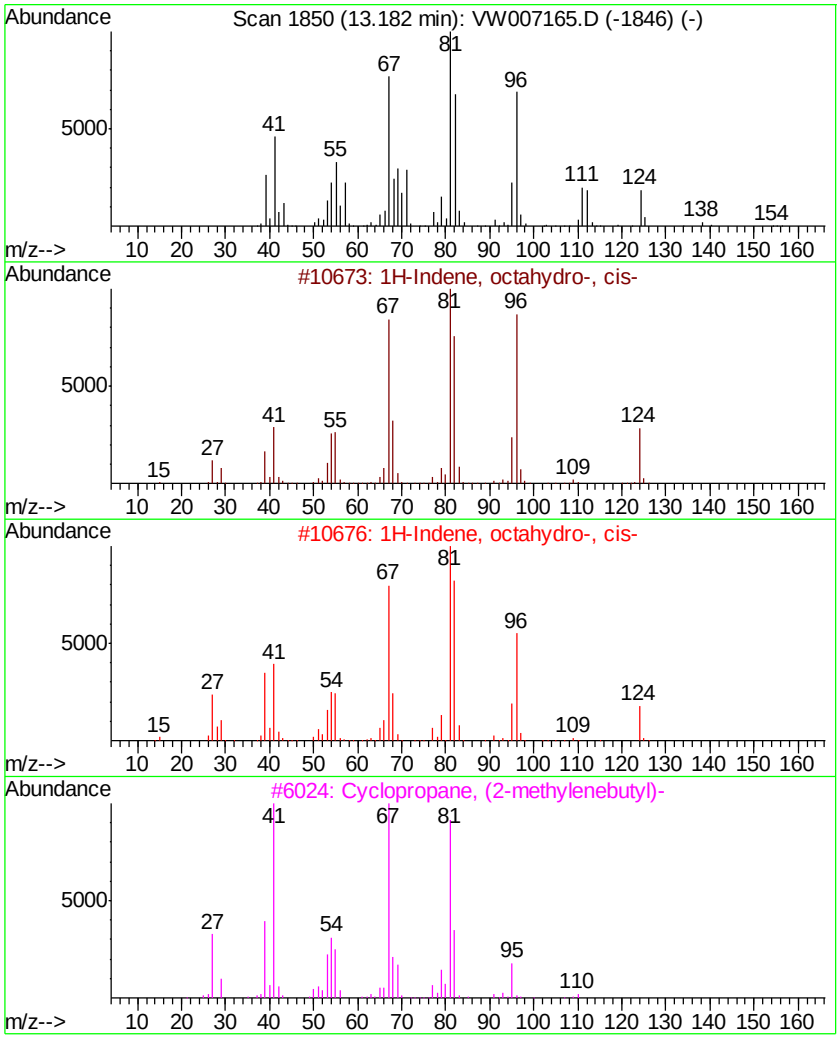
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

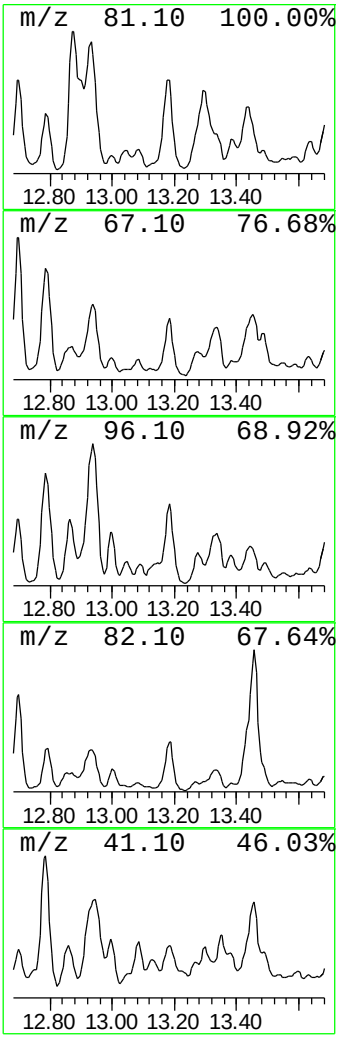
****

Peak Number 56 1H-Indene, octahydro-, cis- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	82.89 ug/L	866215	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	92
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	91
3	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	58
4	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	55
5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

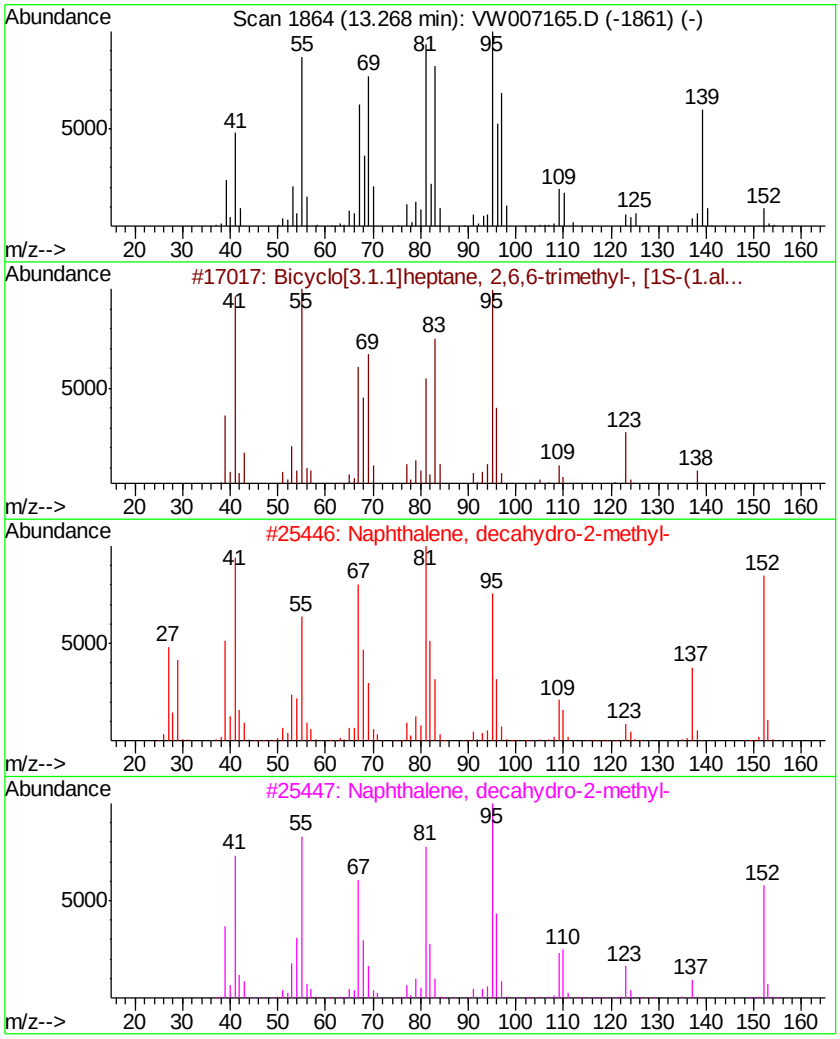
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

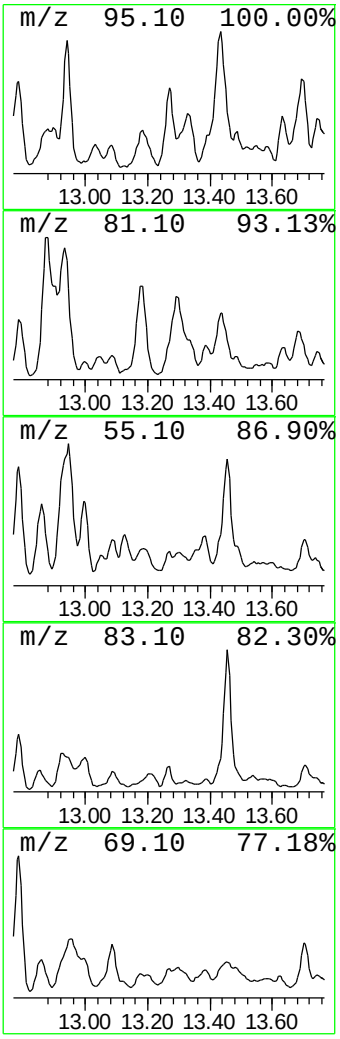
****

Peak Number 57 unknown-03 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	24.37 ug/L	254660	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	46
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38
4	(-)-trans-Pinane	138	C10H18	033626-25-4	38
5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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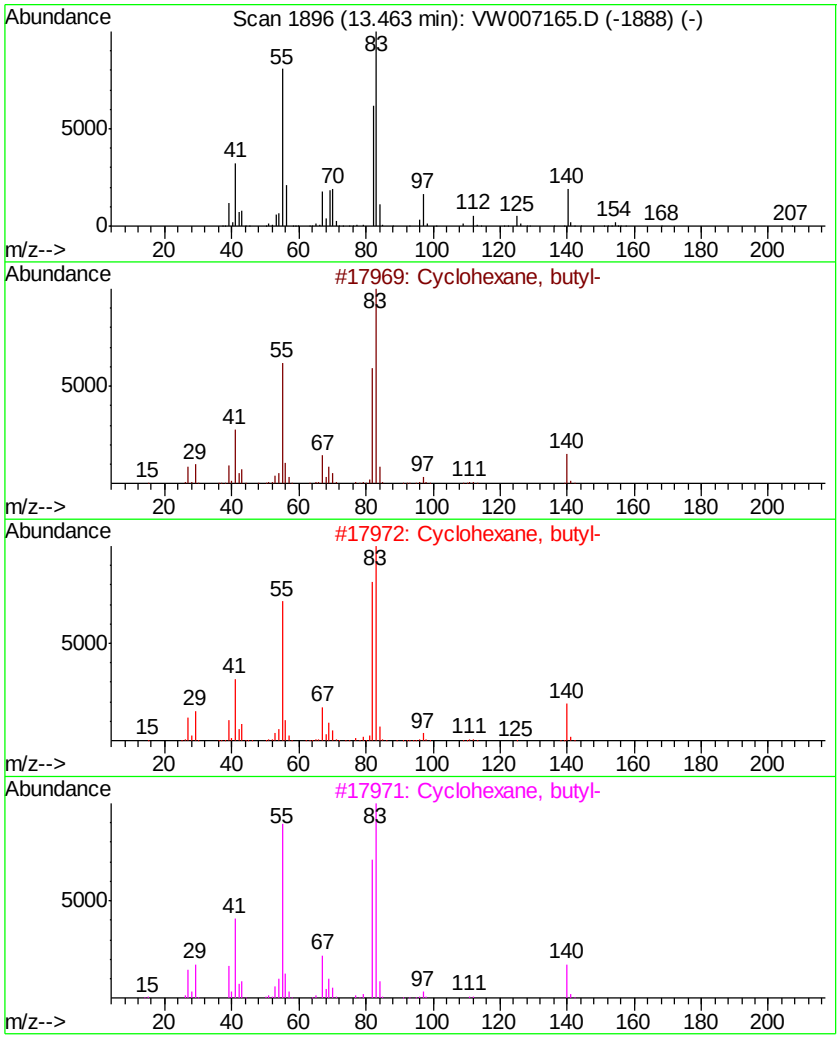
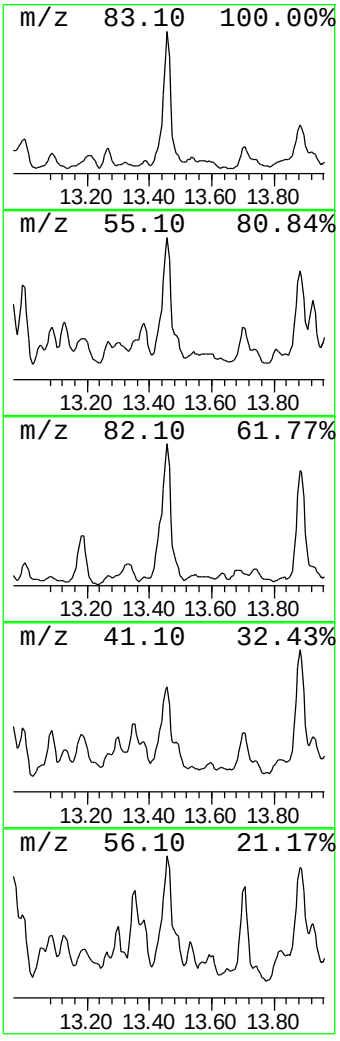
Peak Number 58 (DEL) Alkane: Cyclic13.46 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	120.22 ug/L	1256280	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

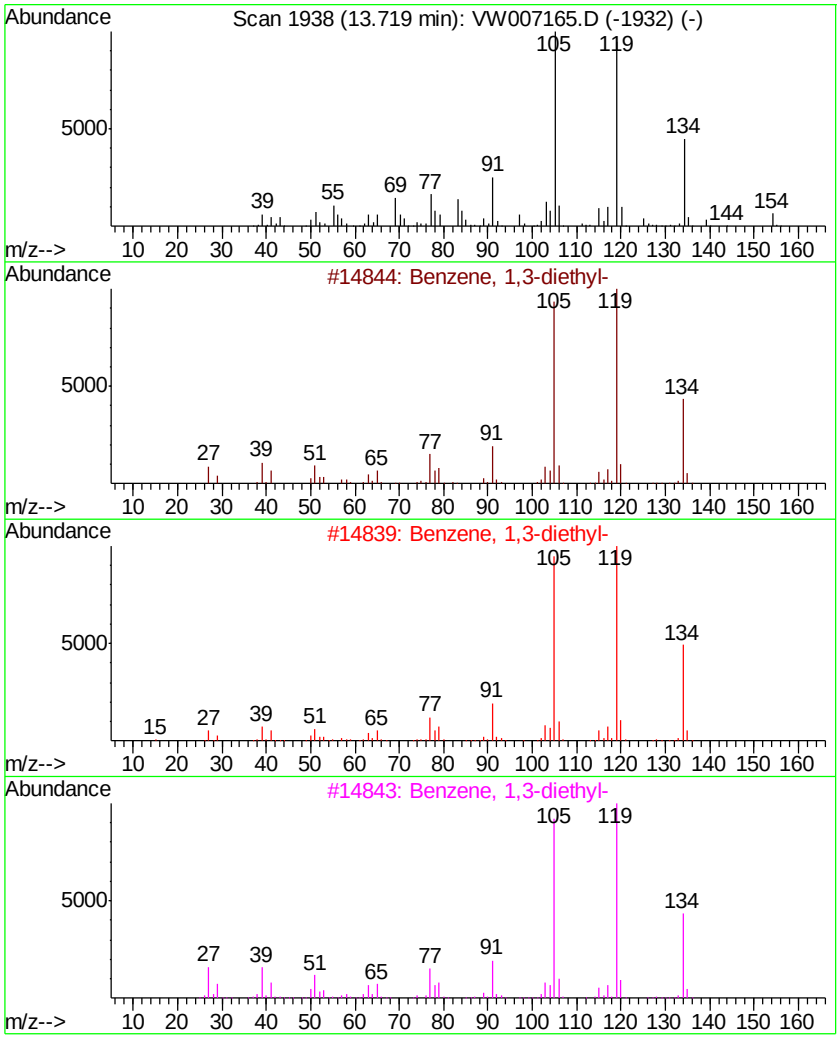
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

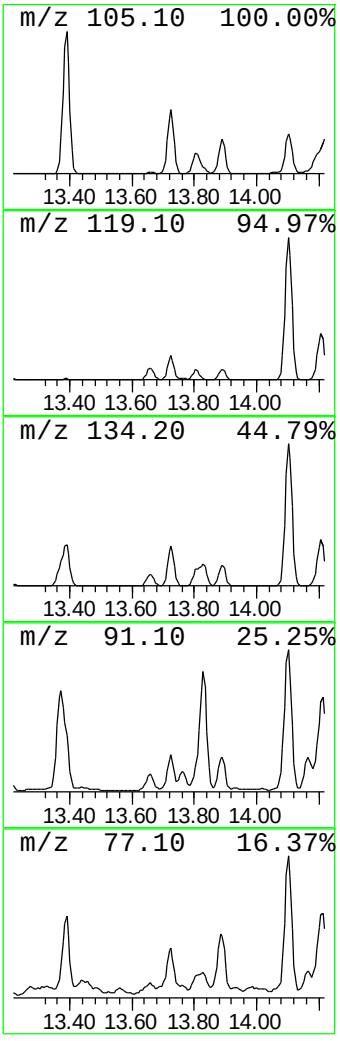
****

Peak Number 59 Benzene, 1,3-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	77.55 ug/L	810359	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93





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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

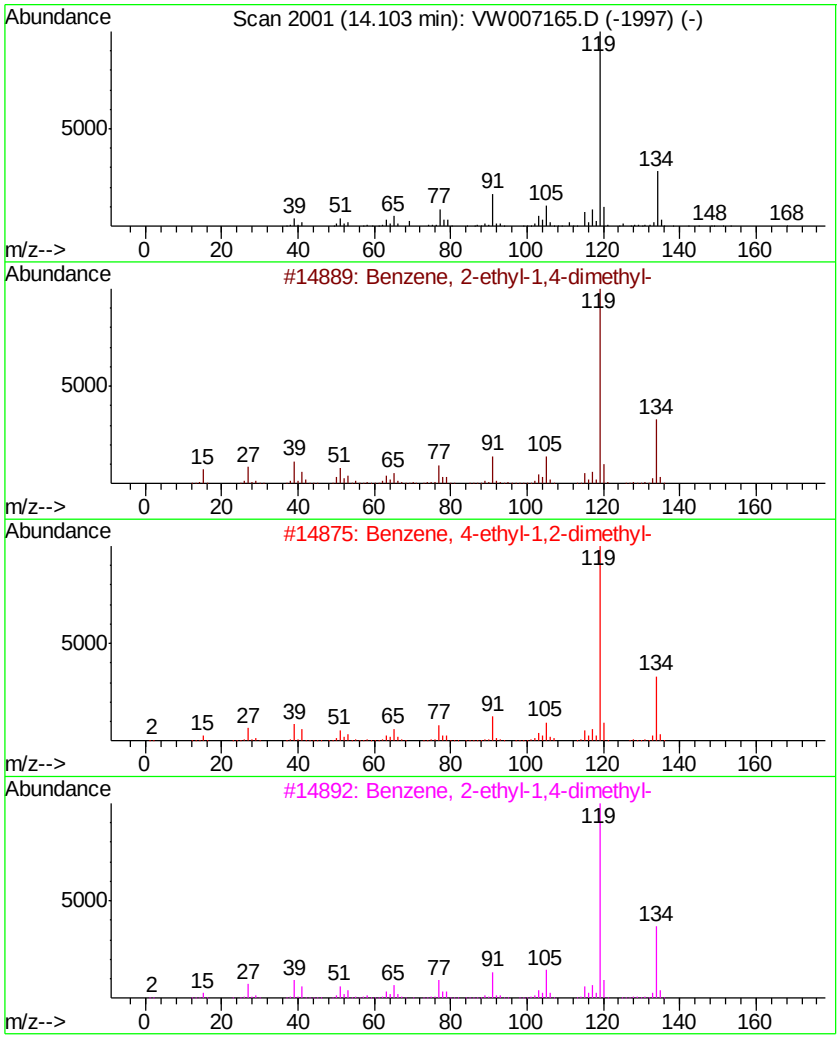
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

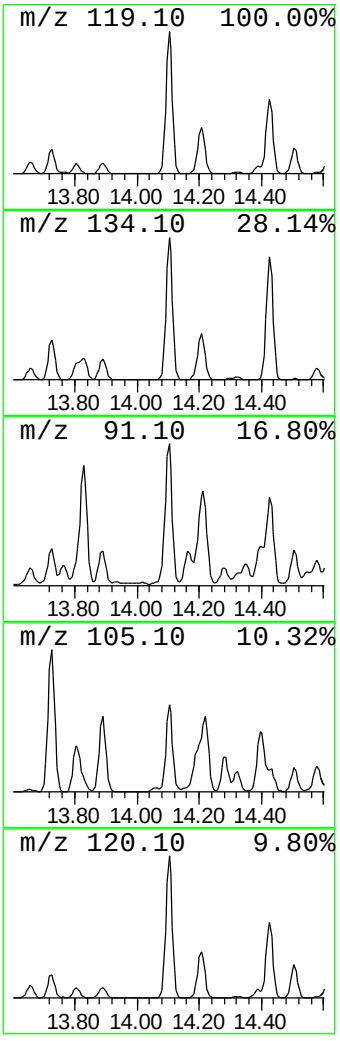
****

Peak Number 60 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	178.64 ug/L	1866750	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

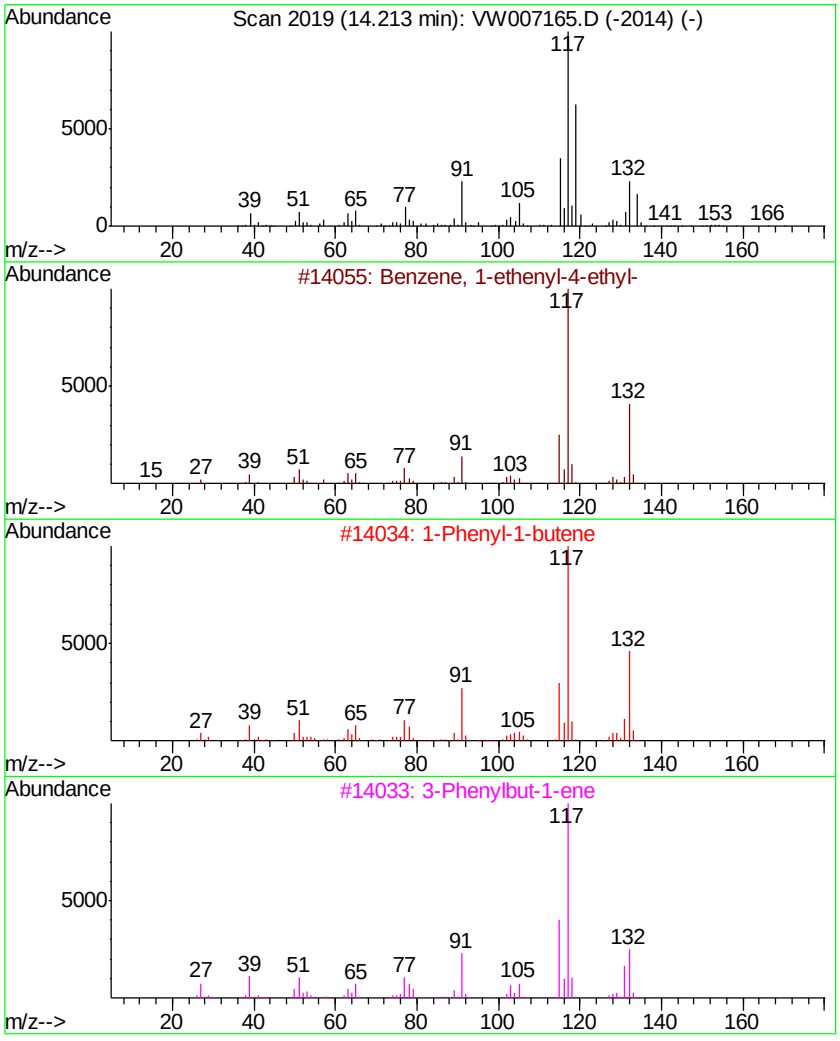
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

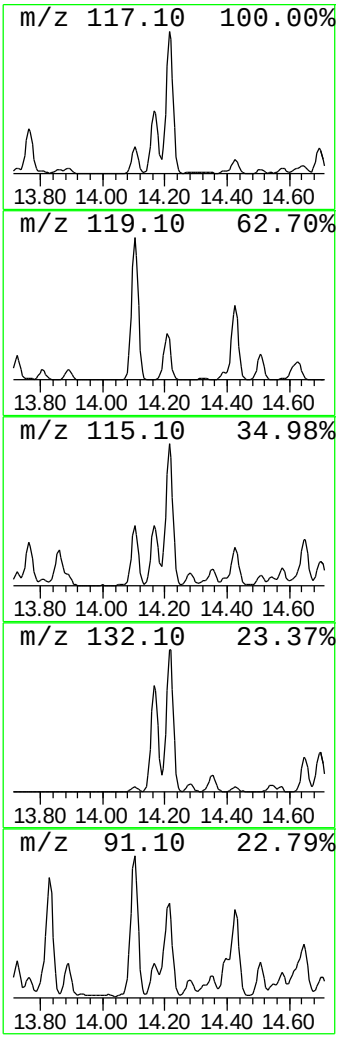
****

Peak Number 61 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	185.83 ug/L	1941880	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	62
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

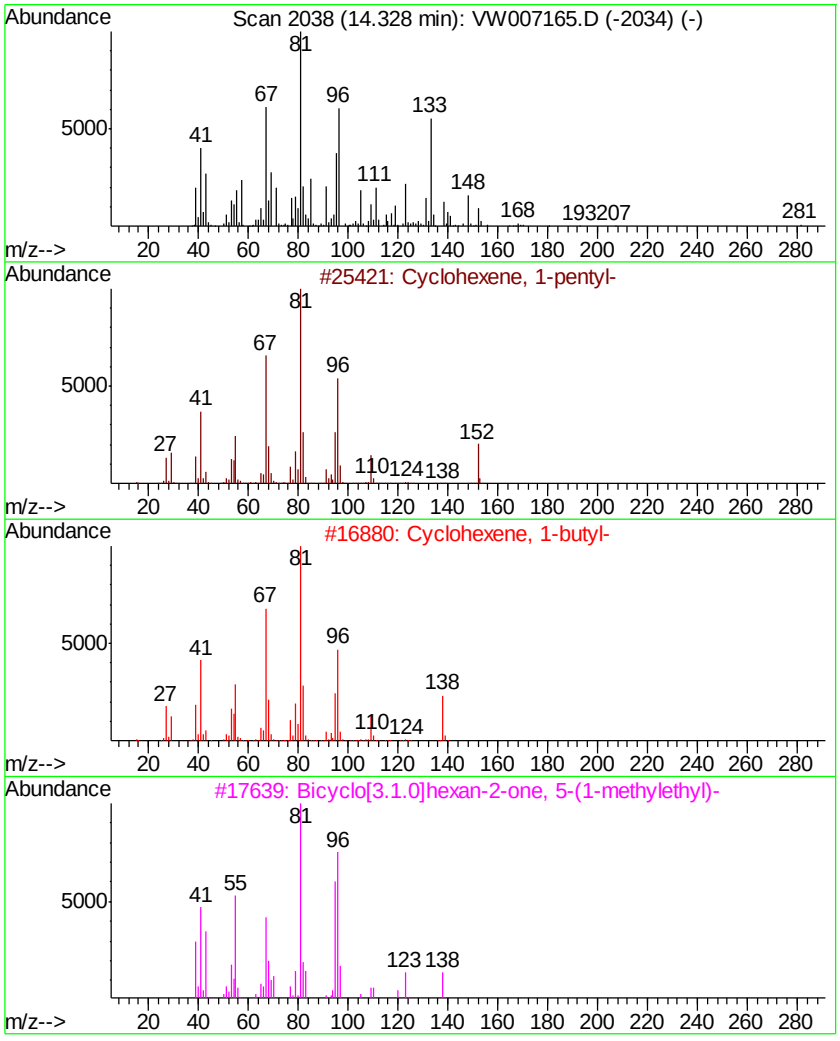
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

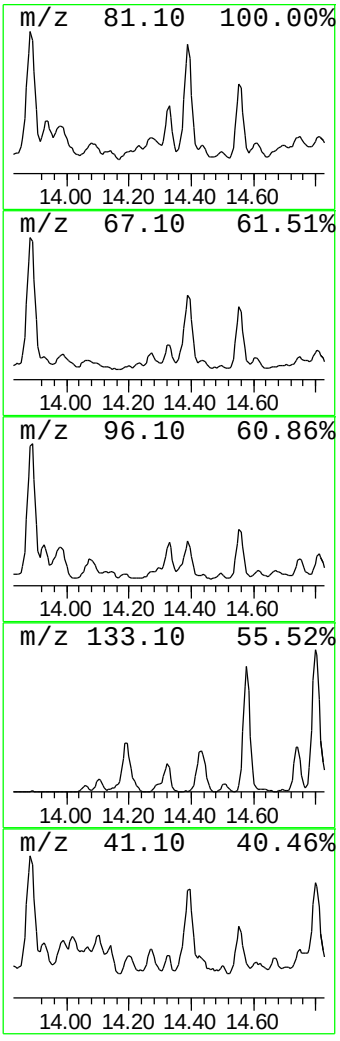
****

Peak Number 63 Cyclohexene, 1-pentyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	33.41 ug/L	349086	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	60
2	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	50
3	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	49
4	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	46
5	Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	43





Library Search Compound Report

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Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

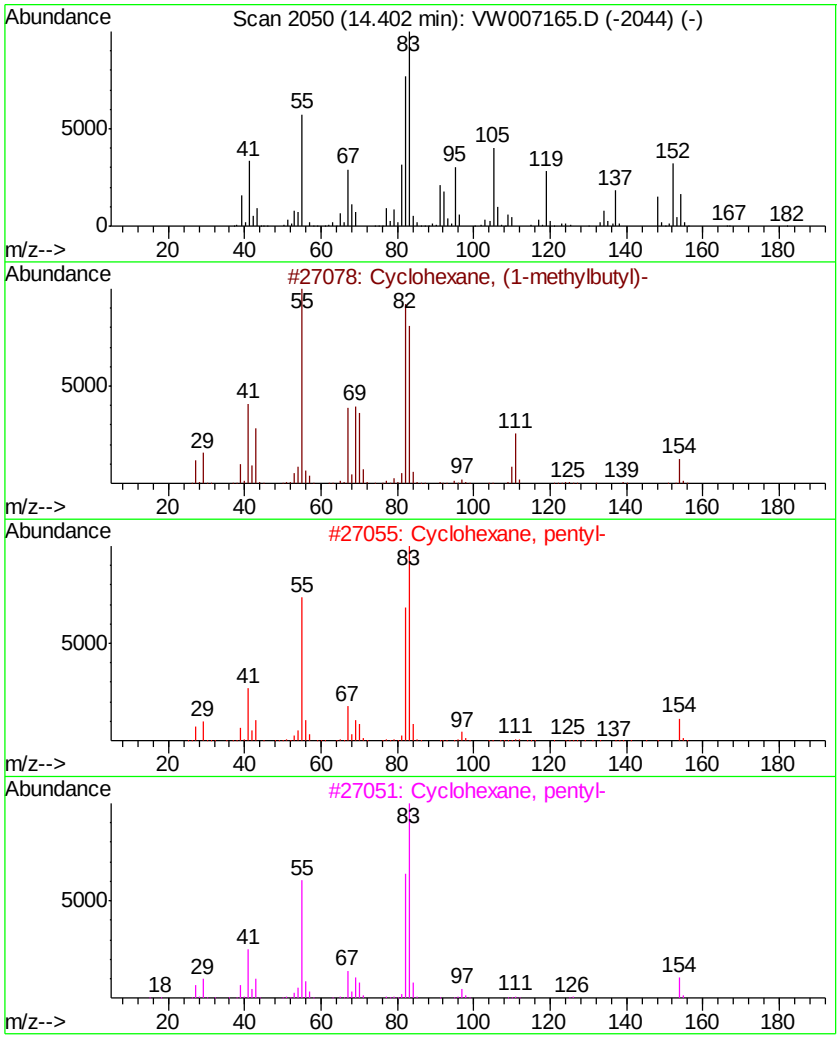
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

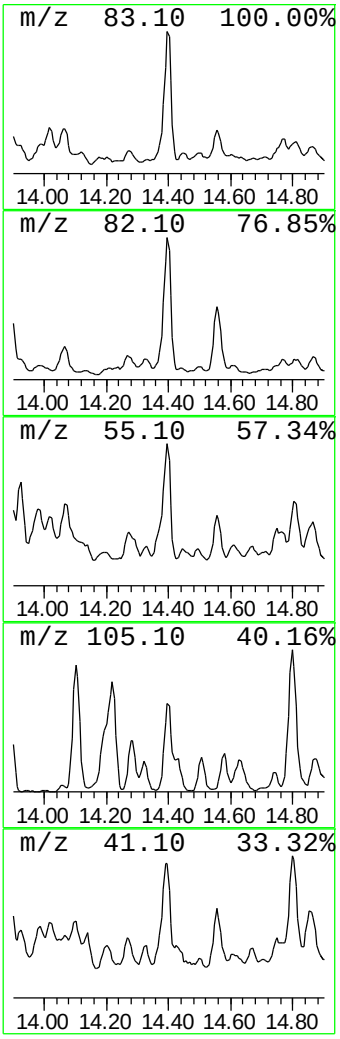
****

Peak Number 64 (DEL) Alkane: Cyclic14.40 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	127.21 ug/L	1329320	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	49
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	38
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

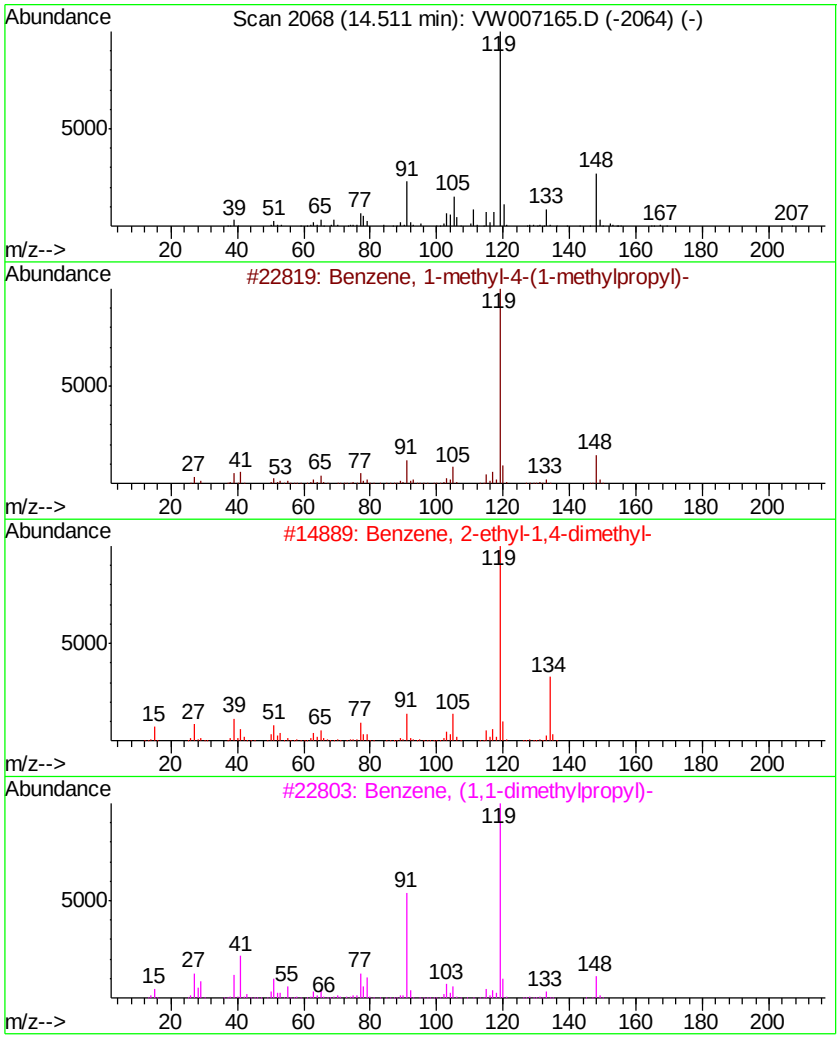
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

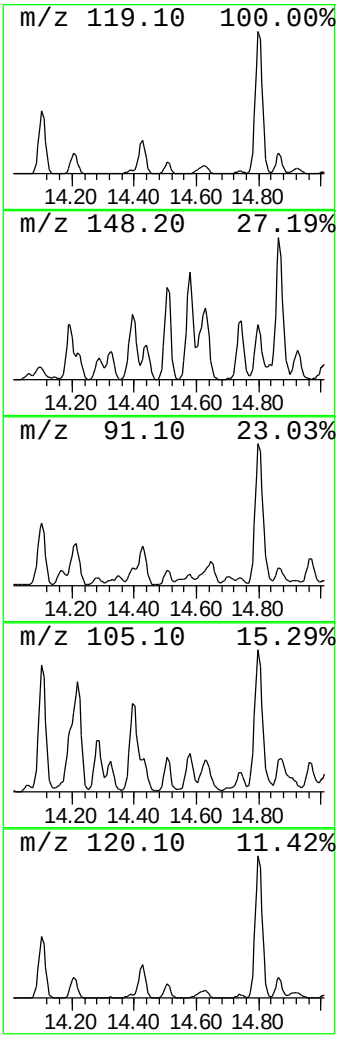
****

Peak Number 65 Benzene, 1-methyl-4-(1-meth... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	24.37 ug/L	254621	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4	o-Cymene	134	C10H14	000527-84-4	70
5	o-Cymene	134	C10H14	000527-84-4	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

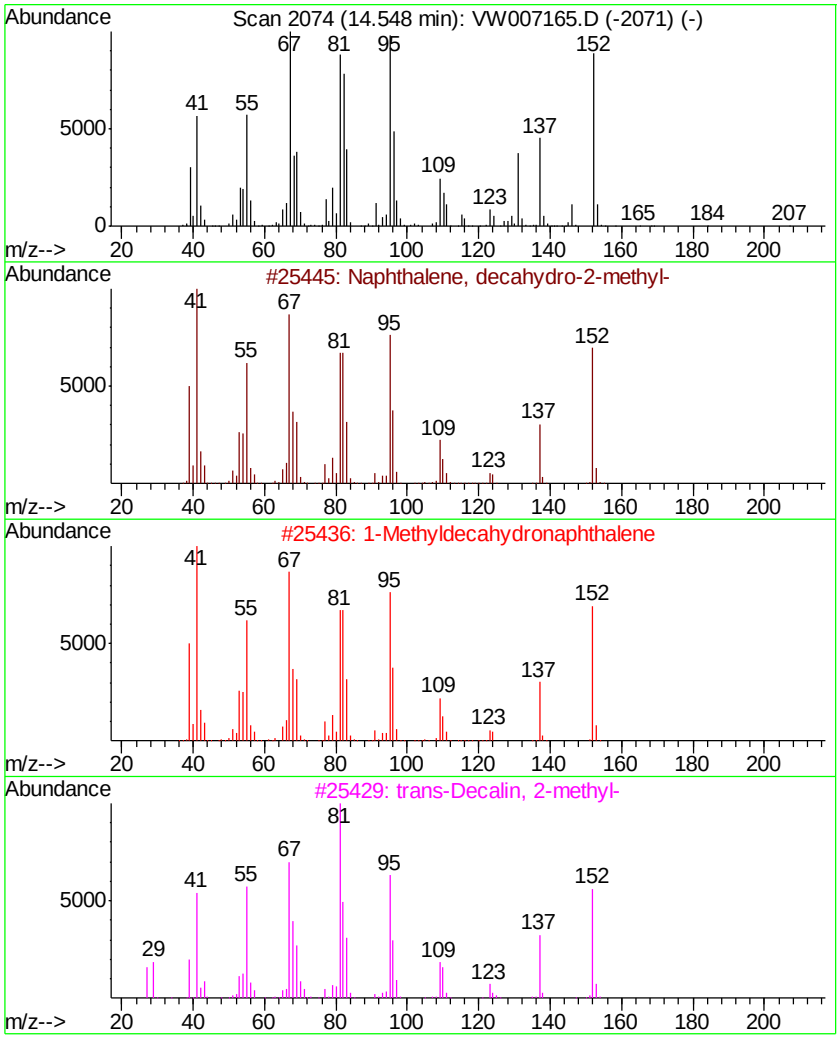
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

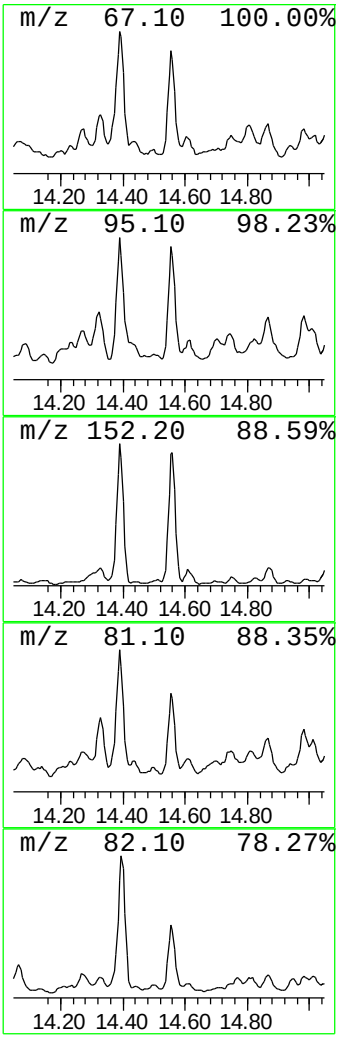
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 Naphthalene, decahydro-2-me... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	115.08 ug/L	1202520	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	89





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

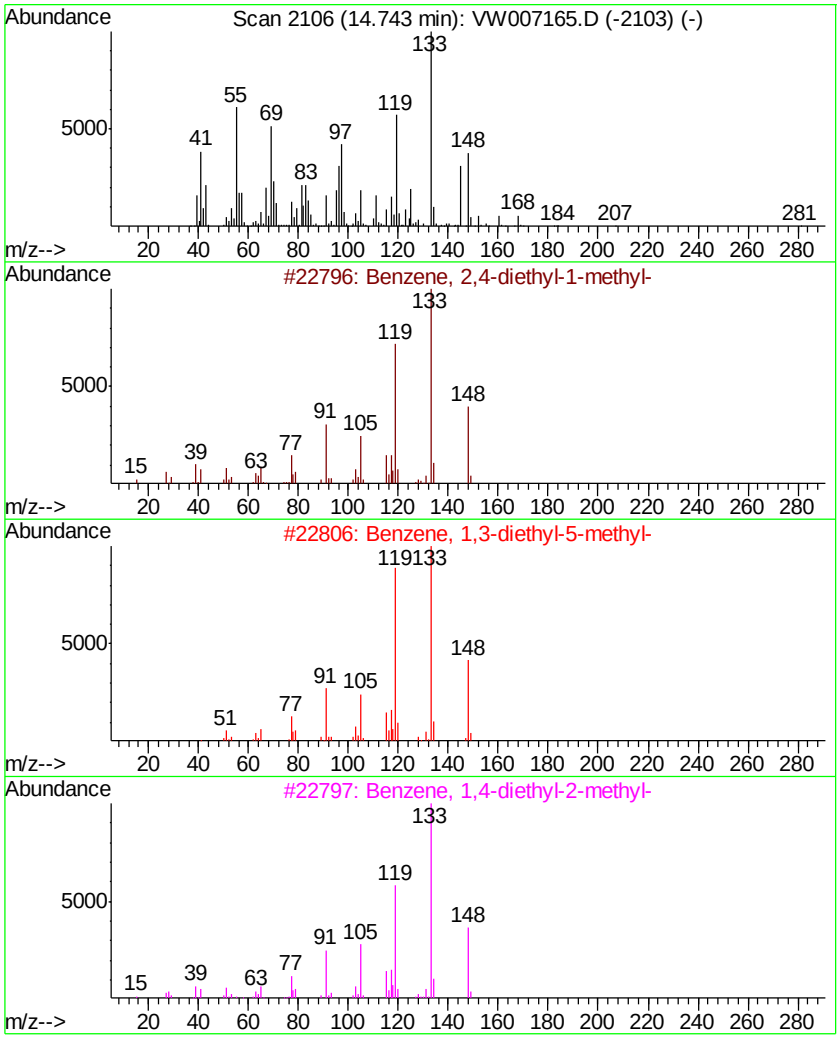
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

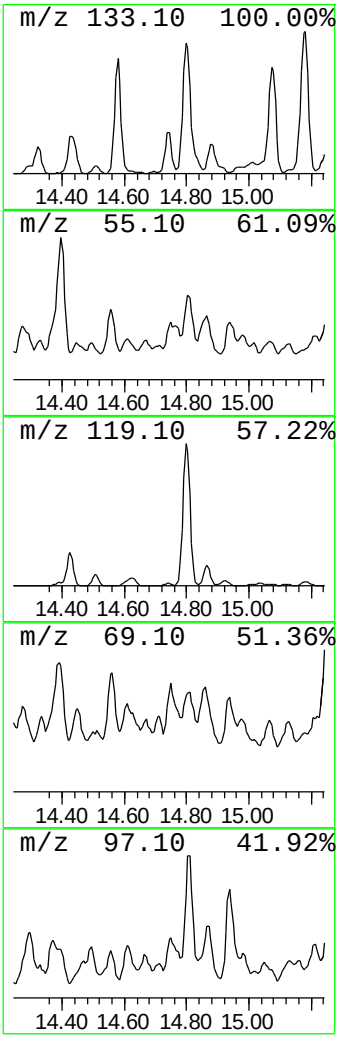
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	38.35 ug/L	400775	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	90
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	50
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

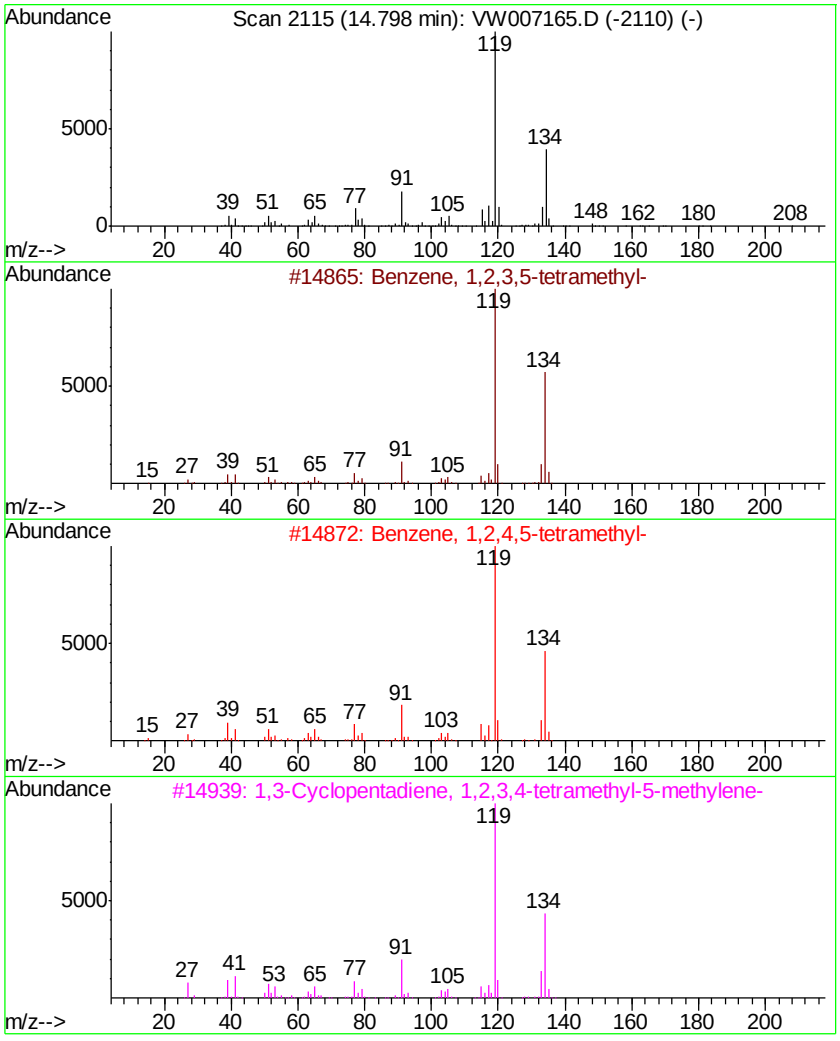
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

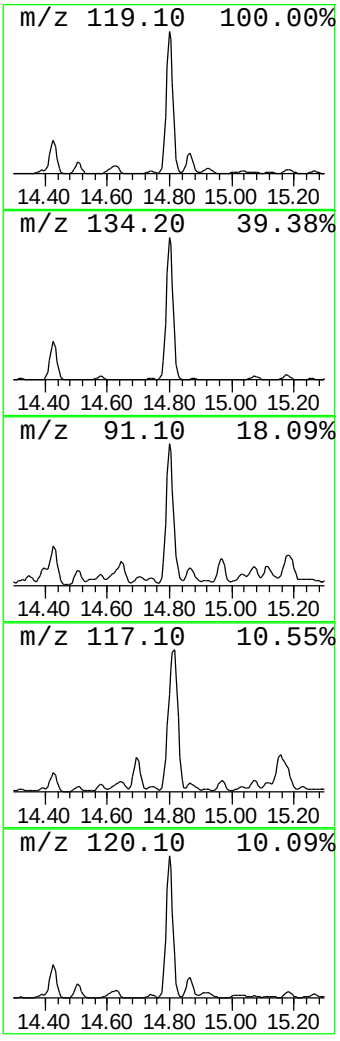
****

Peak Number 68 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	608.51 ug/L	6358730	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

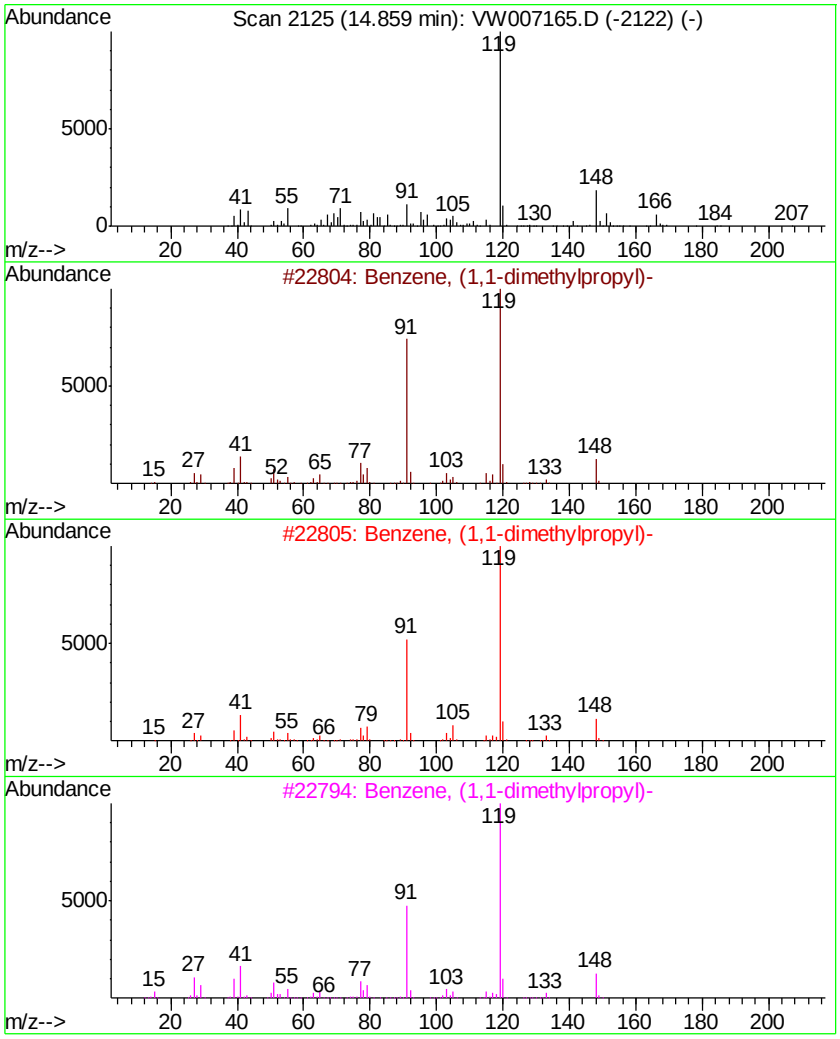
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

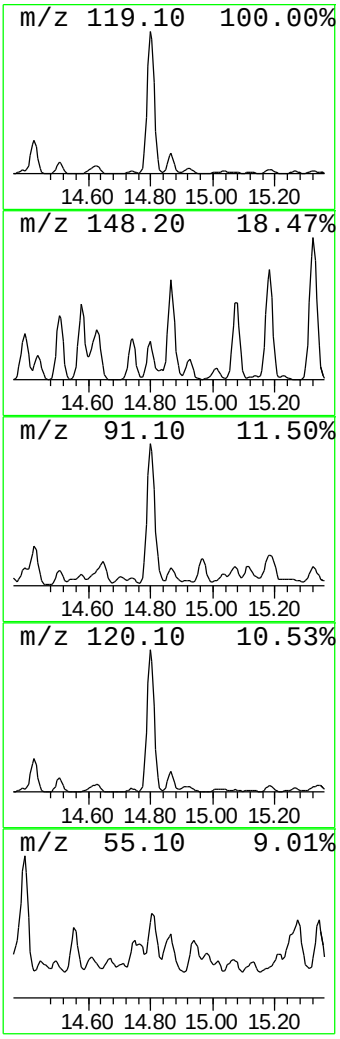
****

Peak Number 69 Benzene, (1,1-dimethylpropyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	108.39 ug/L	1132670	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

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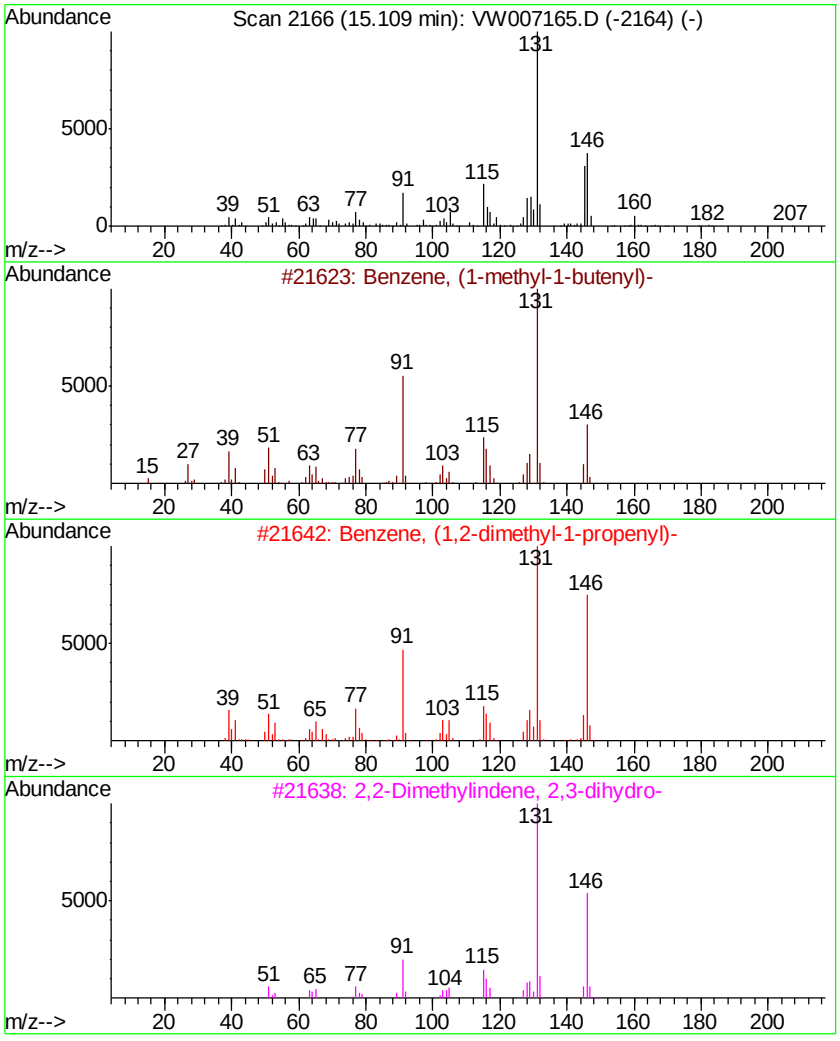
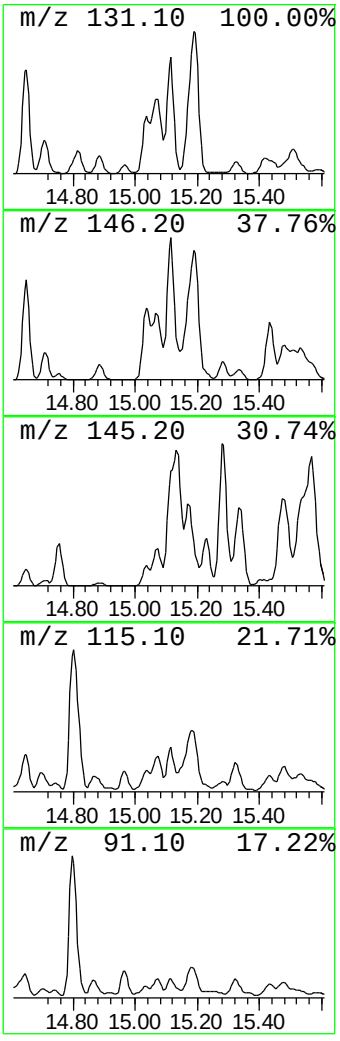
Peak Number 70 Benzene, (1-methyl-1-butenyl)- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	65.44 ug/L	683797	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

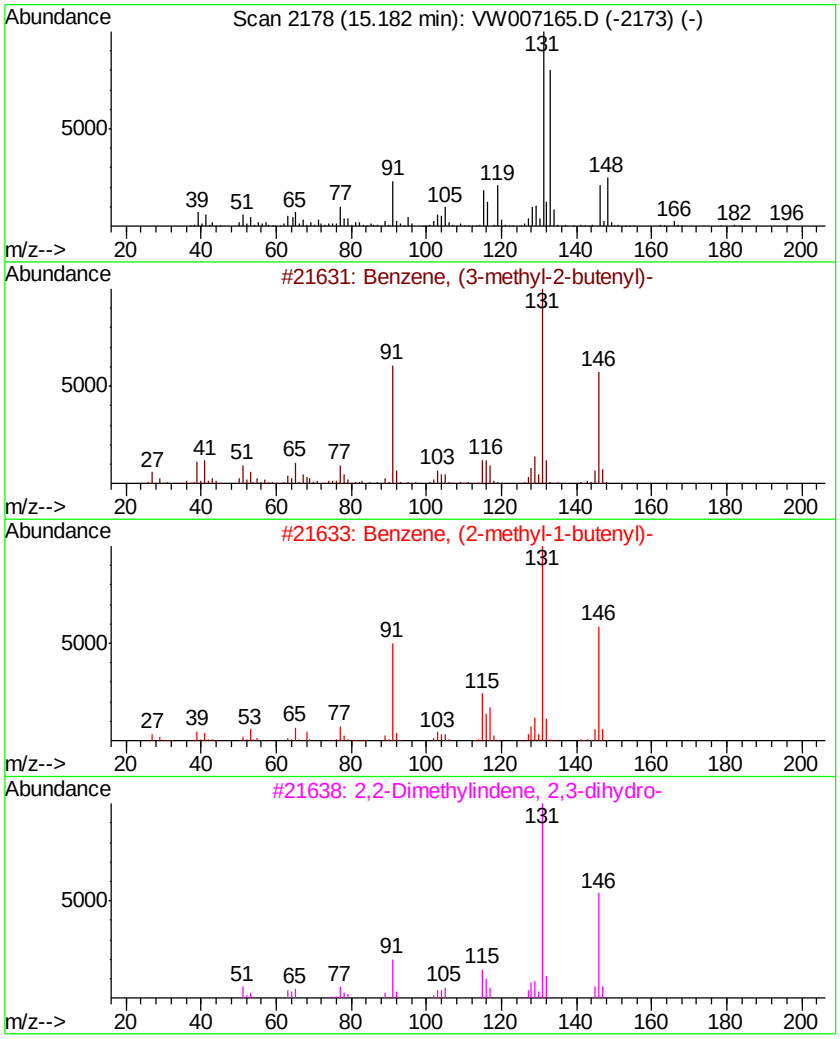
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

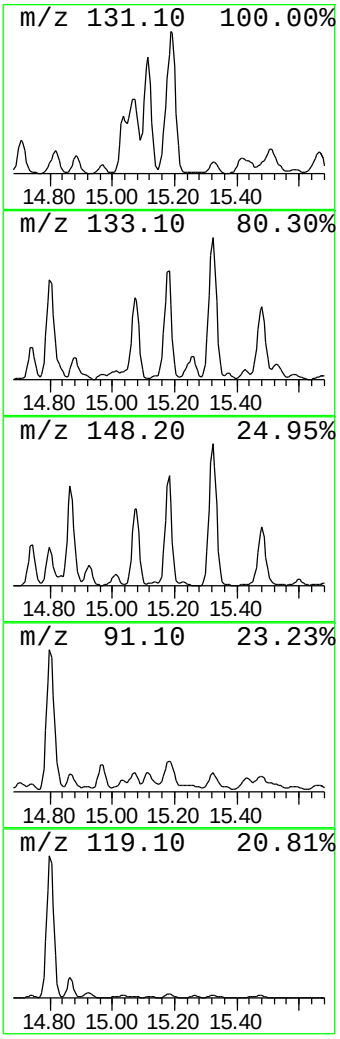
****

Peak Number 71 Benzene, (3-methyl-2-butenyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	144.17 ug/L	1506590	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	52
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

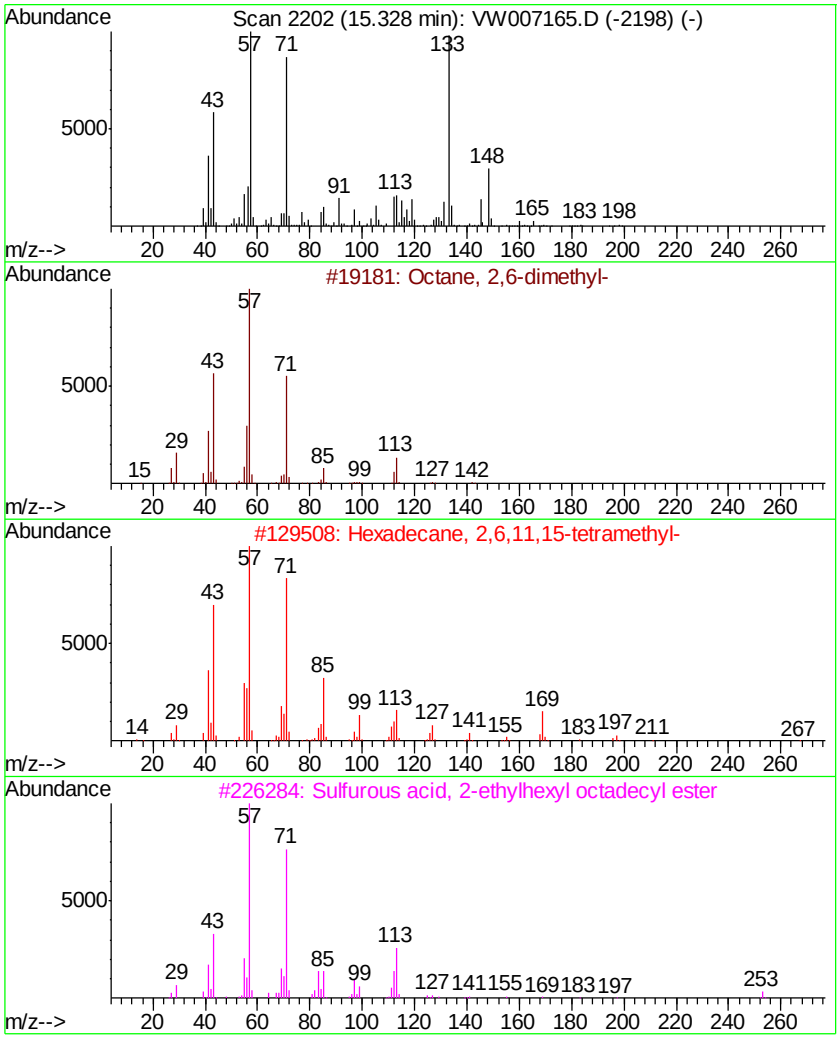
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

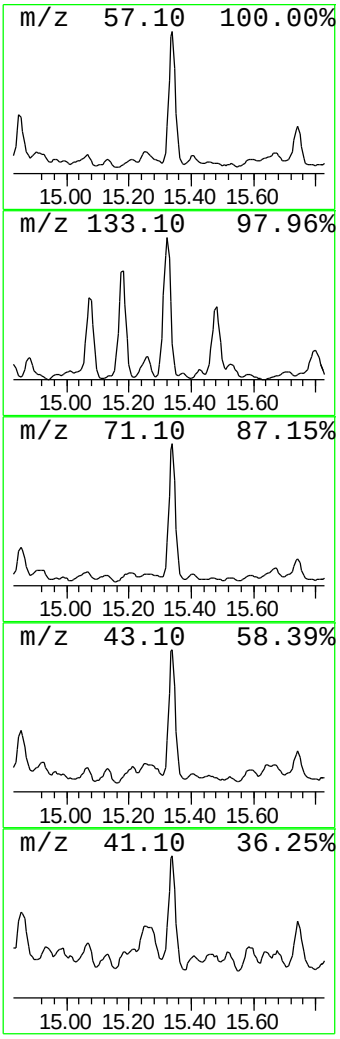
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	148.67 ug/L	1553550	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	53
3	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	53
4	Decane, 2-methyl-	156	C11H24	006975-98-0	53
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

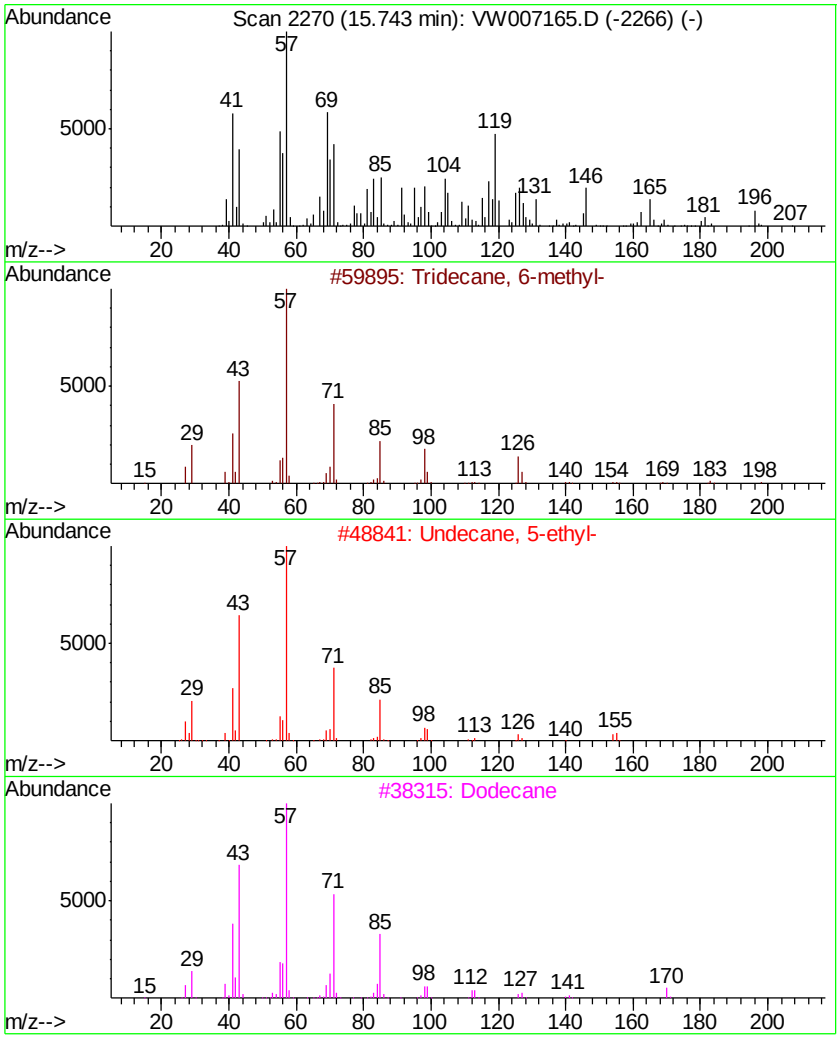
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

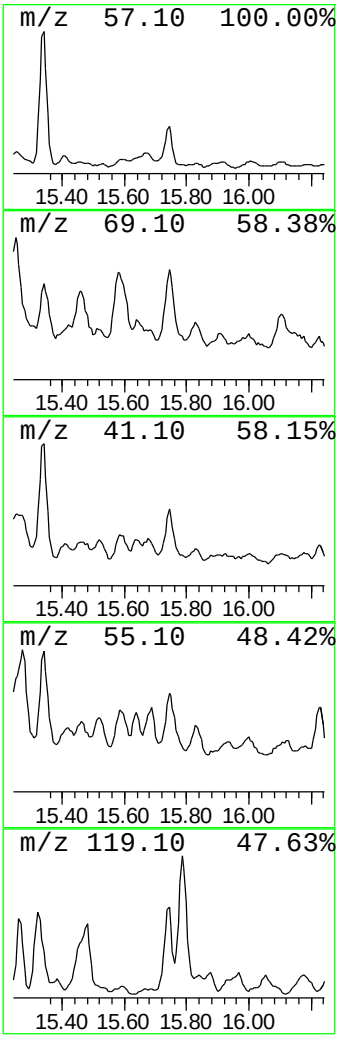
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	70.03 ug/L	731777	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	42
2	Undecane, 5-ethyl-	184	C13H28	017453-94-0	14
3	Dodecane	170	C12H26	000112-40-3	14
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	10
5	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

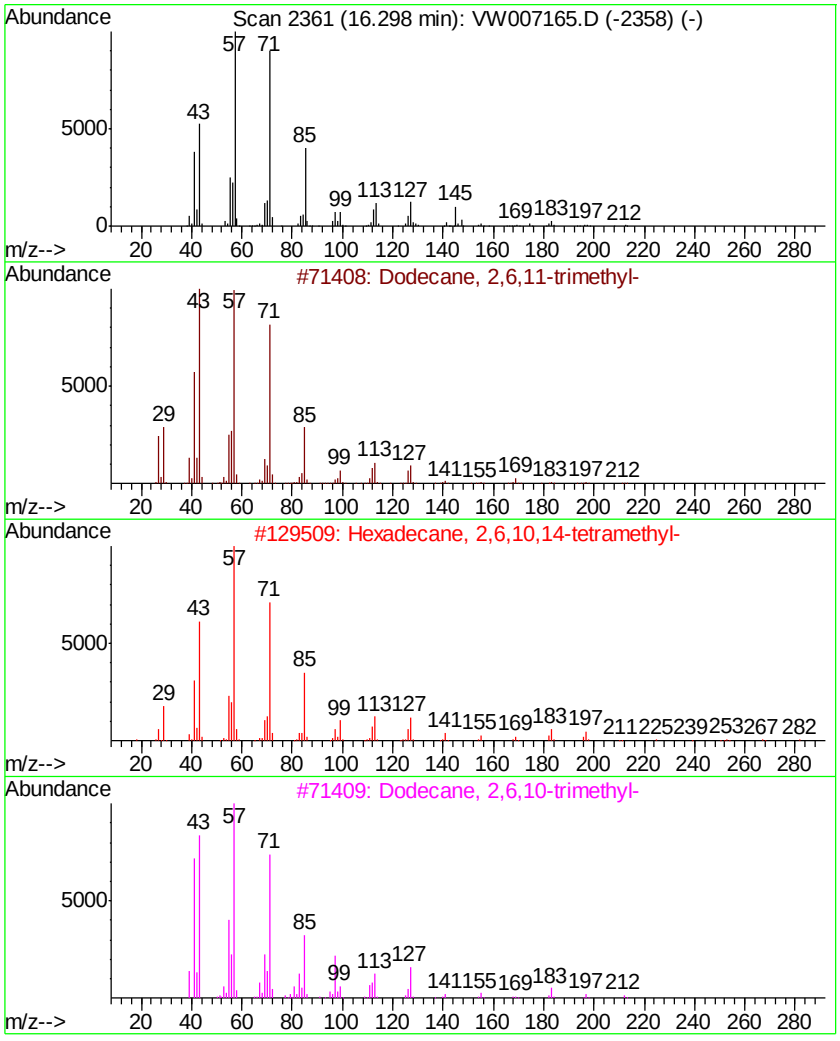
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

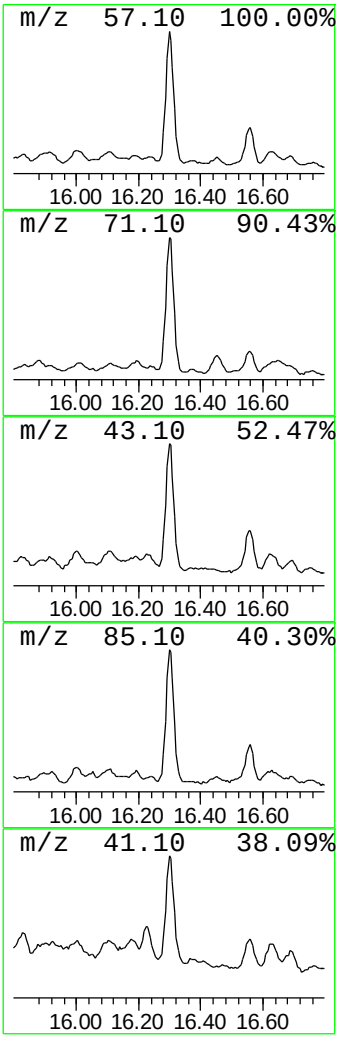
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	72.22 ug/L	754684	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4	Decane, 5-propyl-	184	C13H28	017312-62-8	72
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

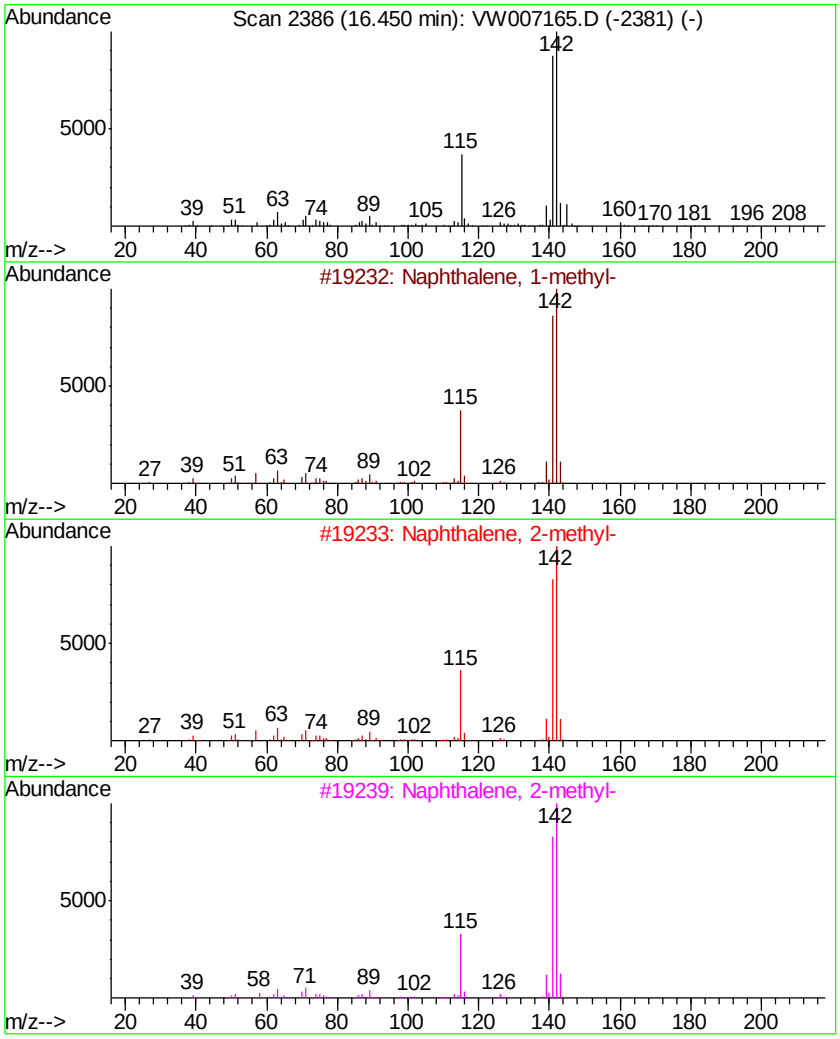
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

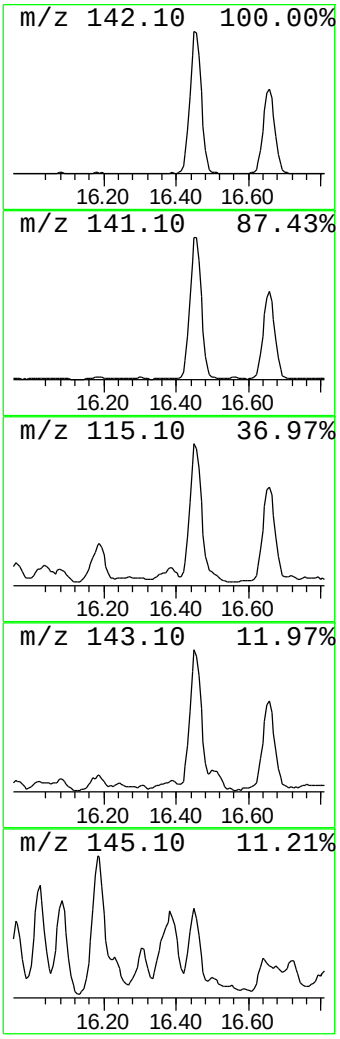
****

Peak Number 75 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	148.14 ug/L	1548040	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
Data File : VW007165.D
Acq On : 03 Dec 2018 16:22
Operator : SY/AP
Sample : J6171-10
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	3.03	21.2	ug/L	338186	1	8.85	399493	25.0
(DEL) Alkane: Str...	4.11	3.2	ug/L	50847	1	8.85	399493	25.0
(DEL) Alkane: Str...	4.90	18.7	ug/L	298765	1	8.85	399493	25.0
(DEL) Alkane: Str...	5.45	127.2	ug/L	2032000	1	8.85	399493	25.0
(DEL) Alkane: Str...	6.72	6.8	ug/L	108002	1	8.85	399493	25.0
(DEL) Alkane: Str...	6.88	16.9	ug/L	269924	1	8.85	399493	25.0
(DEL) Alkane: Str...	7.15	2.9	ug/L	46565	1	8.85	399493	25.0
(DEL) Alkane: Str...	8.04	71.3	ug/L	1140180	1	8.85	399493	25.0
(DEL) Alkane: Str...	8.15	1.4	ug/L	22575	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	8.23	98.3	ug/L	1571120	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	8.44	301.5	ug/L	4818550	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	8.51	253.3	ug/L	4047520	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	8.58	432.9	ug/L	6917870	1	8.85	399493	25.0
(DEL) Alkane: Str...	9.15	2.8	ug/L	44990	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	9.52	4.8	ug/L	77546	1	8.85	399493	25.0
(DEL) Alkane: Str...	9.61	166.6	ug/L	2662360	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	9.76	204.1	ug/L	3261510	1	8.85	399493	25.0
2,4-Heptadiene, (...	9.85	2.3	ug/L	37289	1	8.85	399493	25.0
(DEL) Alkane: Str...	9.90	24.9	ug/L	397474	1	8.85	399493	25.0
(DEL) Alkane: Str...	9.95	21.4	ug/L	341724	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	10.09	59.5	ug/L	951275	1	8.85	399493	25.0
(DEL) Alkane: Str...	10.13	22.1	ug/L	352366	1	8.85	399493	25.0
(DEL) Alkane: Cyc...	10.24	45.1	ug/L	721794	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	10.45	39.4	ug/L	631520	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	10.51	200.4	ug/L	3210980	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	10.67	210.1	ug/L	3365200	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	10.76	92.6	ug/L	1482660	2	11.63	400472	25.0
(DEL) Alkane: Str...	10.85	22.8	ug/L	364940	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.00	14.7	ug/L	235751	2	11.63	400472	25.0
(DEL) Alkane: Str...	11.04	41.4	ug/L	663141	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.18	300.2	ug/L	4809270	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.23	251.8	ug/L	4034320	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.29	25.3	ug/L	404783	2	11.63	400472	25.0
unknown-01	11.34	87.8	ug/L	1406100	2	11.63	400472	25.0
(DEL) Alkane: Str...	11.38	16.8	ug/L	268620	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.44	93.5	ug/L	1498250	2	11.63	400472	25.0
(DEL) Alkane: Str...	11.51	13.8	ug/L	220960	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.56	20.6	ug/L	329527	2	11.63	400472	25.0
Pentalene, octahy...	11.73	49.9	ug/L	798851	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.77	29.3	ug/L	469371	2	11.63	400472	25.0
unknown-02	11.81	57.6	ug/L	922048	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.88	115.7	ug/L	1853310	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	11.98	28.6	ug/L	457545	2	11.63	400472	25.0
Cyclohexene, 1-me...	12.04	40.9	ug/L	655341	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	12.14	149.0	ug/L	2387300	2	11.63	400472	25.0
(DEL) Alkane: Str...	12.26	72.0	ug/L	1153730	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	12.30	22.7	ug/L	363775	2	11.63	400472	25.0
Pentalene, octahy...	12.35	224.8	ug/L	3601250	2	11.63	400472	25.0
(DEL) Alkane: Cyc...	12.62	31.8	ug/L	332497	3	13.57	261244	25.0

(DEL) Alkane: Cyc...	12.79	280.6	ug/L	2931860	3	13.57	261244	25.0
Oxalic acid, di(c...	12.86	66.3	ug/L	693259	3	13.57	261244	25.0
(DEL) Alkane: Cyc...	12.94	206.2	ug/L	2154820	3	13.57	261244	25.0
Dichloroacetic ac...	13.08	39.1	ug/L	408684	3	13.57	261244	25.0
Sulfurous acid, c...	13.13	20.1	ug/L	209708	3	13.57	261244	25.0
1H-Indene, octahy...	13.18	82.9	ug/L	866215	3	13.57	261244	25.0
unknown-03	13.27	24.4	ug/L	254660	3	13.57	261244	25.0
(DEL) Alkane: Cyc...	13.46	120.2	ug/L	1256280	3	13.57	261244	25.0
Benzene, 1,3-diet...	13.72	77.5	ug/L	810359	3	13.57	261244	25.0
Benzene, 2-ethyl-...	14.10	178.6	ug/L	1866750	3	13.57	261244	25.0
Benzene, 1-etheny...	14.21	185.8	ug/L	1941880	3	13.57	261244	25.0
Cyclohexene, 1-pe...	14.33	33.4	ug/L	349086	3	13.57	261244	25.0
(DEL) Alkane: Cyc...	14.40	127.2	ug/L	1329320	3	13.57	261244	25.0
Benzene, 1-methyl...	14.51	24.4	ug/L	254621	3	13.57	261244	25.0
Naphthalene, deca...	14.55	115.1	ug/L	1202520	3	13.57	261244	25.0
Benzene, 2,4-diet...	14.74	38.4	ug/L	400775	3	13.57	261244	25.0
Benzene, 1,2,3,5-...	14.80	608.5	ug/L	6358730	3	13.57	261244	25.0
Benzene, (1,1-dim...	14.86	108.4	ug/L	1132670	3	13.57	261244	25.0
Benzene, (1-methy...	15.11	65.4	ug/L	683797	3	13.57	261244	25.0
Benzene, (3-methy...	15.18	144.2	ug/L	1506590	3	13.57	261244	25.0
(DEL) Alkane: Str...	15.33	148.7	ug/L	1553550	3	13.57	261244	25.0
(DEL) Alkane: Str...	15.74	70.0	ug/L	731777	3	13.57	261244	25.0
(DEL) Alkane: Str...	16.30	72.2	ug/L	754684	3	13.57	261244	25.0
Naphthalene, 1-me...	16.45	148.1	ug/L	1548040	3	13.57	261244	25.0

Instrument :
MSVOA_W
ClientSampleId :
F9Y14