LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

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\SOM2WLM091520S.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	2.166	40	43	48	rVB2	2715	4664	0.54%	0.103%
2	2.233	50	54	55	rBV4	2229	3049	0.35%	0.068%
3	2.361	70	75	80	rBV	15603	26038	3.02%	0.578%
4	2.898	158	163	169	rVB	16164	29876	3.46%	0.663%
5	3.385	240	243	247	rBV3	572	870	0.10%	0.019%
6	3.544	265	269	272	rBV4	510	721	0.08%	0.016%
7	4.031	339	349	360	rBV	29620	77110	8.93%	1.711%
8	4.141	360	367	373	rVV4	1589	4527	0.52%	0.100%
9	4.397	404	409	416	rVV5	1222	3490	0.40%	0.077%
10	4.934	482	497	500	rBV6	8557	30444	3.53%	0.676%
11	5.178	534	537	540	rVV2	849	1319	0.15%	0.029%
12	5.452	569	582	597	rVB2	30895	104637	12.12%	2.322%
13	5.793	634	638	644	rBV4	575	1316	0.15%	0.029%
14	5.952	653	664	675	rBV3	6840	22139	2.57%	0.491%
15	6.726	776	791	804	rBV2	33090	109825	12.73%	2.437%
16	6.885	806	817	828	rBV2	34195	103578	12.00%	2.298%
17	7.007	828	837	843	rVB3	2290	6671	0.77%	0.148%
18	7.141	843	859	872	rBV2	39194	130505	15.12%	2.896%
19	7.653	934	943	961	rBV	37878	100960	11.70%	2.240%
20	8.031	999	1005	1014	rVB7	2282	6140	0.71%	0.136%
21	8.171	1020	1028	1030	rBV4	572	809	0.09%	0.018%
22	8.281	1034	1046	1064	rBV2	75430	223593	25.91%	4.961%
23	8.427	1064	1070	1076	rBV6	1116	2763	0.32%	0.061%
24	8.848	1130	1139	1148	rVV	91962	181497	21.03%	4.027%
25	9.079	1168	1177	1185	rVB3	8426	19242	2.23%	0.427%
26	9.153	1185	1189	1193	rBV3	629	1161	0.13%	0.026%
27	9.281	1202	1210	1224	rBV2	49730	112985	13.09%	2.507%
28	9.390	1224	1228	1235	rVB5	2513	4806	0.56%	0.107%
29	9.463	1235	1240	1244	rBV5	492	793	0.09%	0.018%
30	9.610	1255	1264	1271	rVB6	4698	11563	1.34%	0.257%
31	9.756	1279	1288	1296	rBV3	8339	16564	1.92%	0.368%
32	9.902	1306	1312	1316	rBV2	5598	10713	1.24%	0.238%
33	9.951	1316	1320	1323	rVB5	1168	1463	0.17%	0.032%
34	9.994	1323	1327	1329	rBV4	2480	3247	0.38%	0.072%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
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Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

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\SOM2WLM091520S.M
Title : VOC Analysis

35	10.037	1329	1334	1339	rBV2	21505	38592	4.47%	0.856%
36	10.079	1339	1341	1347	rVB3	6430	10195	1.18%	0.226%
37	10.128	1347	1349	1358	rVB3	3960	6833	0.79%	0.152%
38	10.219	1358	1364	1366	rBV4	4422	7974	0.92%	0.177%
39	10.329	1374	1382	1390	rBV	107202	207234	24.01%	4.598%
40	10.457	1397	1403	1404	rBV3	5107	8313	0.96%	0.184%
41	10.494	1404	1409	1416	rVB3	13727	29839	3.46%	0.662%
42	10.585	1416	1424	1428	rBV	15420	28622	3.32%	0.635%
43	10.671	1432	1438	1441	rVV	40043	75256	8.72%	1.670%
44	10.707	1442	1444	1449	rVV	25805	36080	4.18%	0.801%
45	10.762	1449	1453	1459	rVV3	17251	32167	3.73%	0.714%
46	10.805	1459	1460	1465	rVV5	2240	2353	0.27%	0.052%
47	10.847	1465	1467	1472	rVB5	2094	3062	0.35%	0.068%
48	10.933	1473	1481	1489	rVB2	17336	34507	4.00%	0.766%
49	11.067	1492	1503	1508	rBV7	5713	14953	1.73%	0.332%
50	11.146	1508	1516	1525	rVB8	5594	13343	1.55%	0.296%
51	11.231	1525	1530	1535	rBV2	16540	28450	3.30%	0.631%
52	11.286	1535	1539	1544	rVB6	3199	4996	0.58%	0.111%
53	11.323	1544	1545	1546	rBV	1297	917	0.11%	0.020%
54	11.445	1558	1565	1573	rVB4	10079	18790	2.18%	0.417%
55	11.634	1588	1596	1606	rBV	115962	215062	24.92%	4.772%
56	11.731	1608	1612	1615	rBV5	3082	4821	0.56%	0.107%
57	11.841	1622	1630	1633	rBV5	1863	5041	0.58%	0.112%
58	11.878	1633	1636	1640	rVV5	1889	3476	0.40%	0.077%
59	12.042	1659	1663	1666	rBV4	1758	2211	0.26%	0.049%
60	12.140	1671	1679	1682	rBV4	3819	8126	0.94%	0.180%
61	12.170	1682	1684	1692	rVB7	1913	4130	0.48%	0.092%
62	12.304	1702	1706	1708	rBV3	1701	2701	0.31%	0.060%
63	12.341	1708	1712	1717	rVV6	2865	5378	0.62%	0.119%
64	12.469	1729	1733	1739	rVB4	5762	10661	1.24%	0.237%
65	12.609	1750	1756	1763	rVB	55890	93756	10.86%	2.080%
66	12.695	1763	1770	1778	rBV	34956	60961	7.06%	1.353%
67	12.786	1778	1785	1792	rVB5	6199	17273	2.00%	0.383%
68	12.871	1792	1799	1801	rBV6	2354	5046	0.58%	0.112%
69	12.945	1805	1811	1817	rVB7	6480	14878	1.72%	0.330%
70	13.085	1831	1834	1837	rVB4	2150	2649	0.31%	0.059%
71	13.176	1844	1849	1857	rVB7	3475	8662	1.00%	0.192%

LSC Area Percent Report

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Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

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\SOM2WLM091520S.M
Title : VOC Analysis

72	13.262	1858	1863	1864	rBV3	2301	3325	0.39%	0.074%
73	13.298	1865	1869	1873	rVB3	5656	7966	0.92%	0.177%
74	13.383	1876	1883	1888	rBV3	10290	23150	2.68%	0.514%
75	13.499	1896	1902	1907	rBV	144986	238515	27.64%	5.292%
76	13.560	1907	1912	1925	rVB2	105271	232000	26.88%	5.148%
77	13.719	1933	1938	1942	rBV	33529	53128	6.16%	1.179%
78	13.761	1942	1945	1948	rVV2	10781	15471	1.79%	0.343%
79	13.804	1948	1952	1955	rVV	19532	29970	3.47%	0.665%
80	13.859	1955	1961	1974	rVB	83225	173480	20.10%	3.849%
81	14.072	1991	1996	2005	rVB2	22118	39718	4.60%	0.881%
82	14.200	2007	2017	2022	rBV3	30218	69938	8.10%	1.552%
83	14.267	2022	2028	2033	rVV4	10563	27965	3.24%	0.621%
84	14.316	2033	2036	2043	rVB5	8157	14434	1.67%	0.320%
85	14.383	2043	2047	2050	rBV4	7895	13012	1.51%	0.289%
86	14.420	2050	2053	2060	rVB2	23060	36650	4.25%	0.813%
87	14.499	2060	2066	2071	rBV	31554	50241	5.82%	1.115%
88	14.603	2078	2083	2086	rBV	19768	30157	3.49%	0.669%
89	14.694	2094	2098	2110	rVB5	11268	25342	2.94%	0.562%
90	14.810	2110	2117	2123	rBV	27894	47058	5.45%	1.044%
91	14.877	2123	2128	2130	rBV5	4996	7778	0.90%	0.173%
92	14.987	2142	2146	2149	rBV2	4569	7405	0.86%	0.164%
93	15.133	2162	2170	2177	rBV	511365	863026	100.00%	19.149%
94	15.267	2188	2192	2197	rVB4	2891	4398	0.51%	0.098%
95	15.371	2206	2209	2211	rBV4	1027	1163	0.13%	0.026%
96	15.438	2213	2220	2224	rBV3	13833	30393	3.52%	0.674%
97	15.657	2248	2256	2261	rBV3	6686	14156	1.64%	0.314%
98	15.816	2276	2282	2286	rBV9	2563	7672	0.89%	0.170%
99	15.950	2302	2304	2311	rVB6	2733	3321	0.38%	0.074%
100	16.182	2335	2342	2347	rBV8	4323	9594	1.11%	0.213%

Sum of corrected areas: 4506812

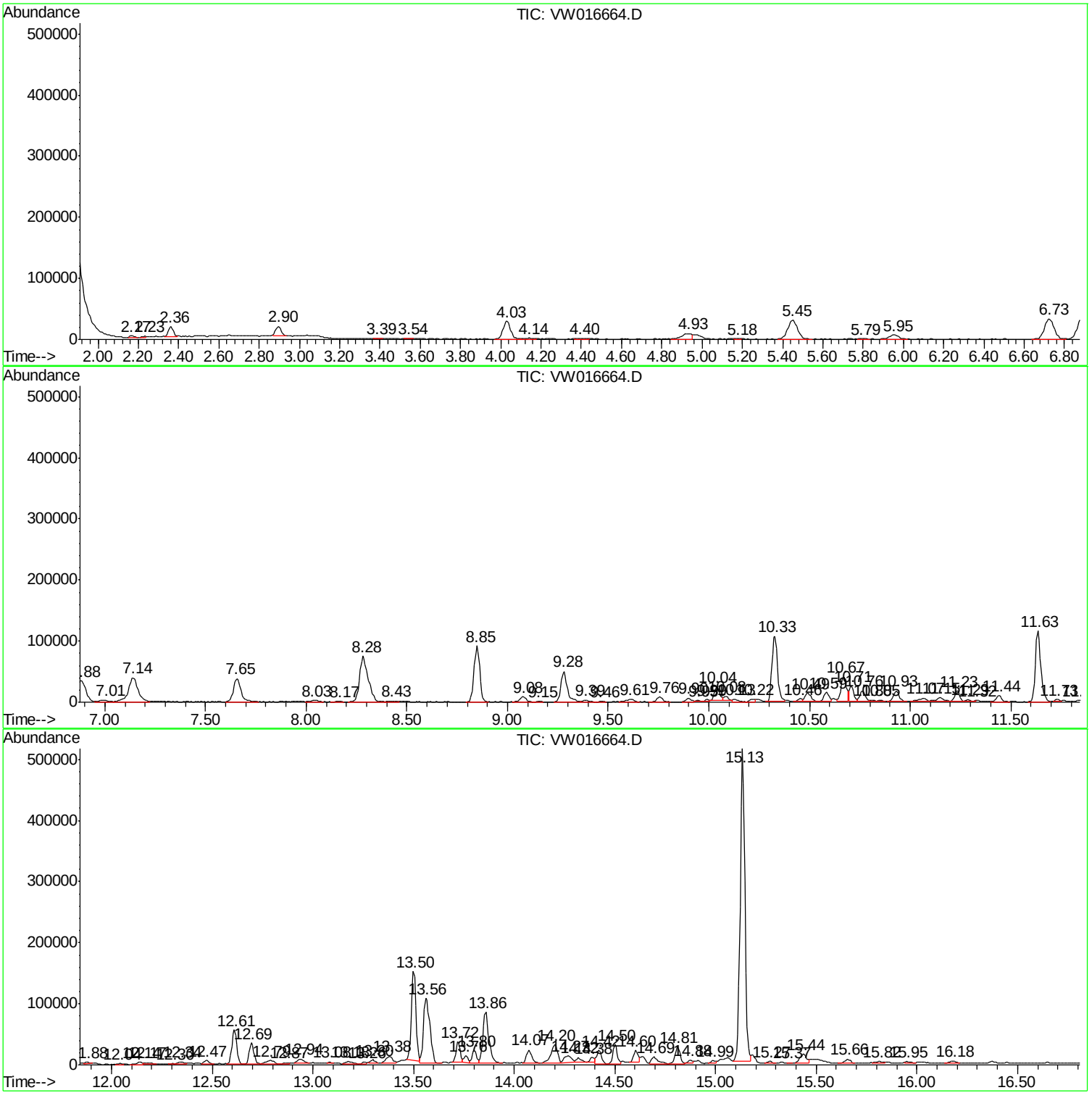
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

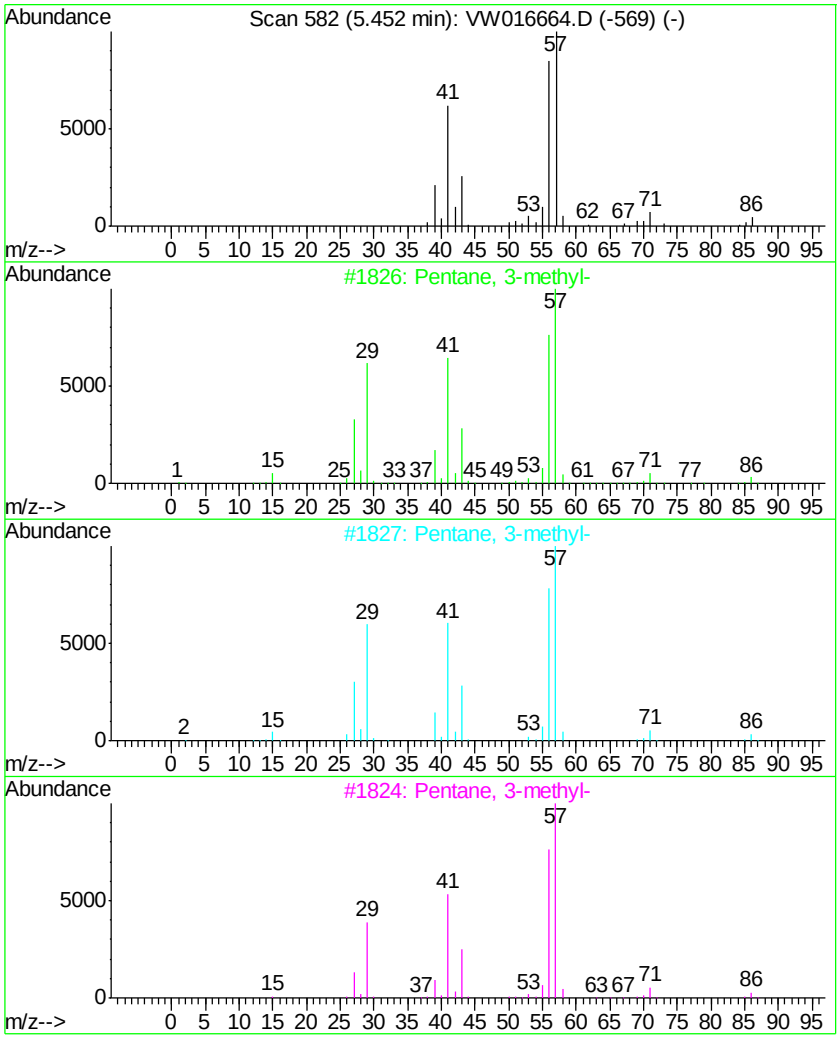
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

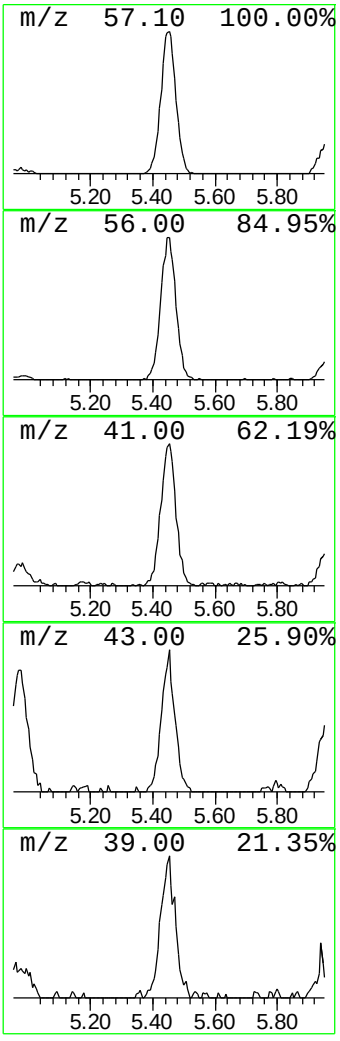
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	14.41 ug/L	104637	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

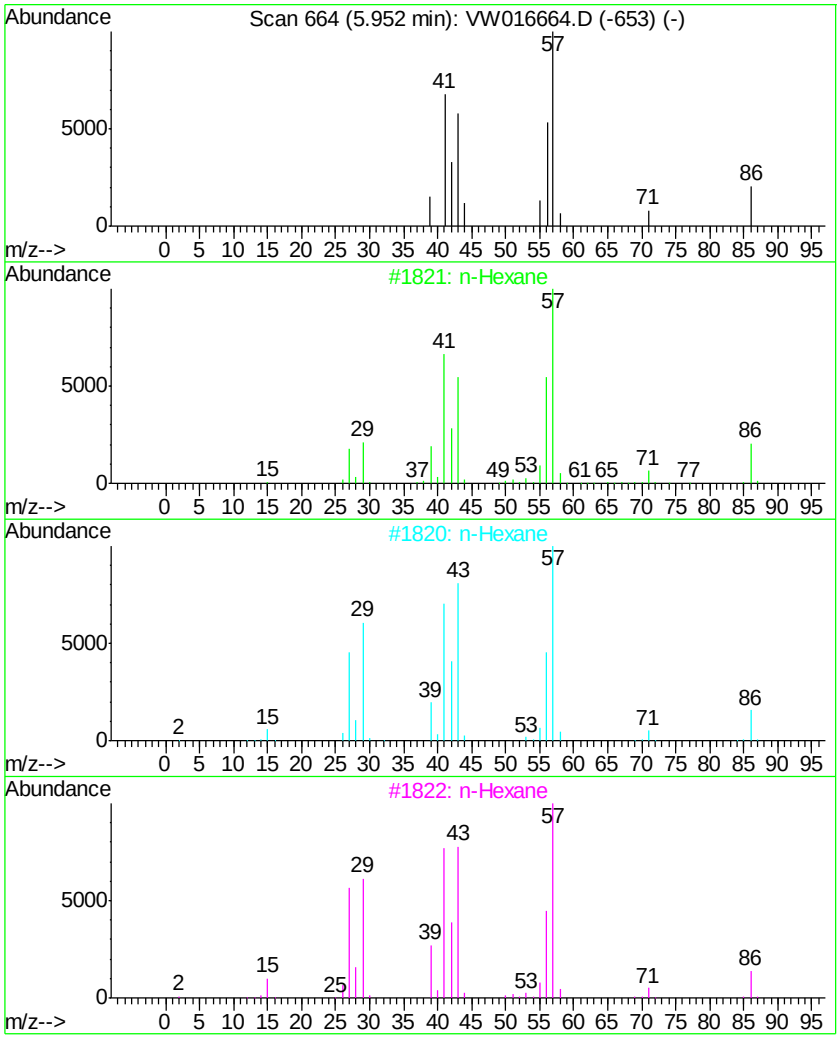
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

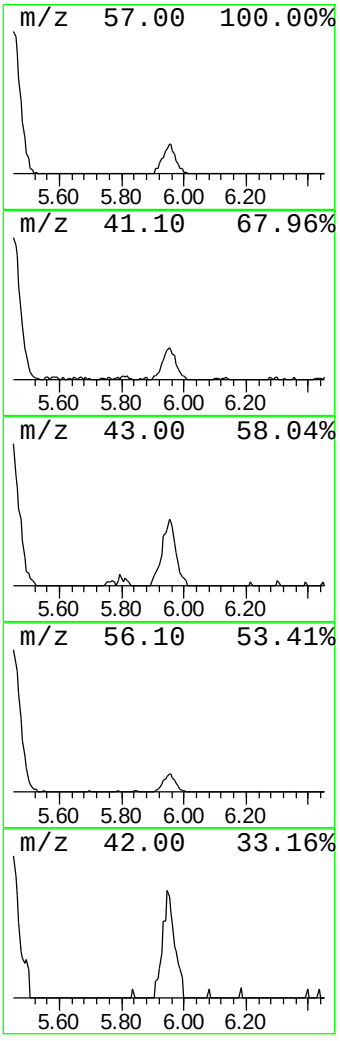
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	3.05 ug/L	22139	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	86
2	n-Hexane	86	C6H14	000110-54-3	59
3	n-Hexane	86	C6H14	000110-54-3	50
4	Cyclobutane	56	C4H8	000287-23-0	9
5	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

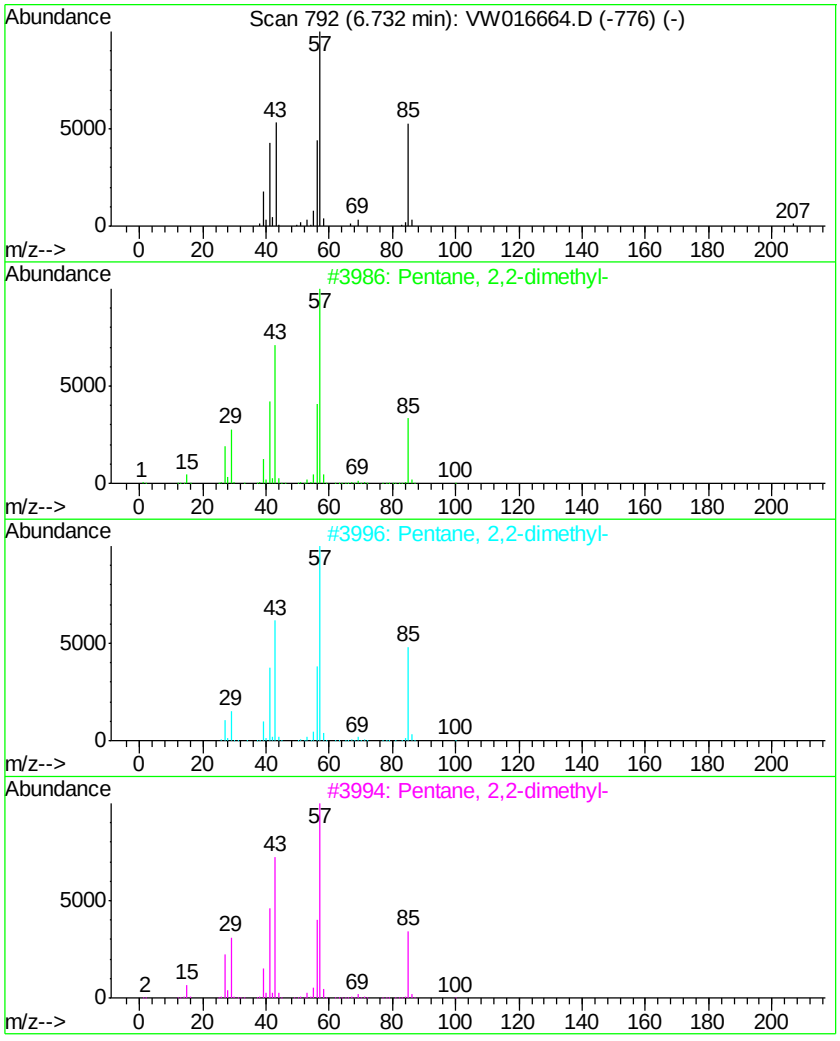
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

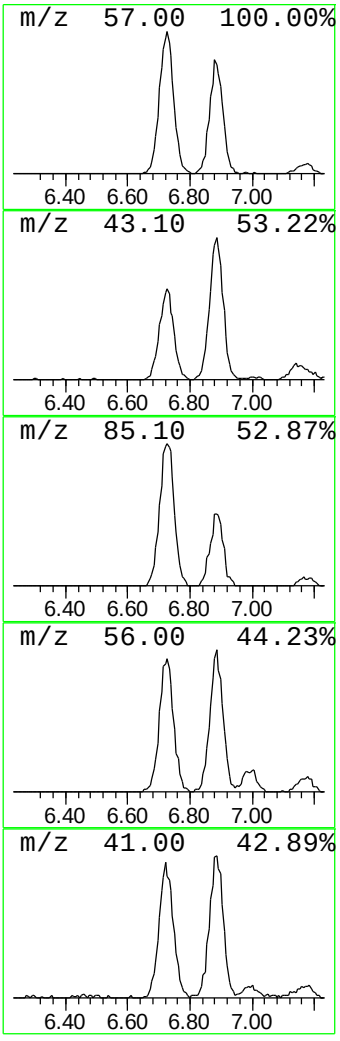
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	15.13 ug/L	109825	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
5	Butanoic acid, 2-methyl-, 2-meth...	158	C9H18O2	002445-67-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

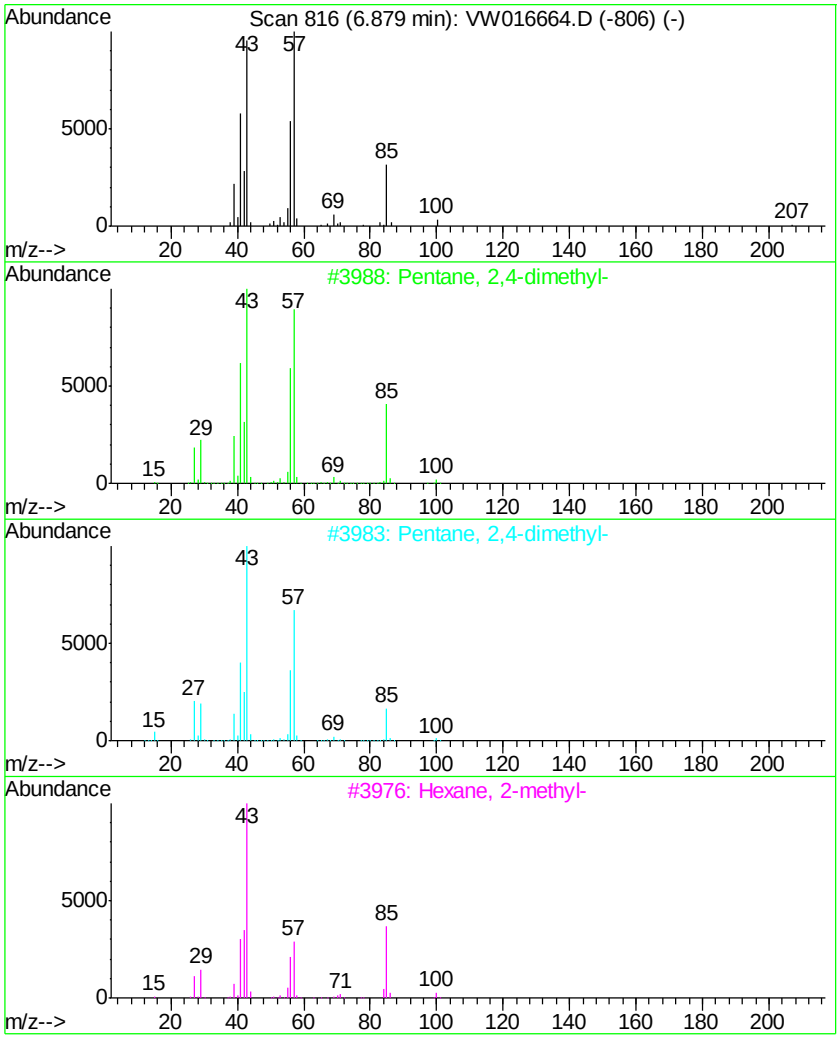
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

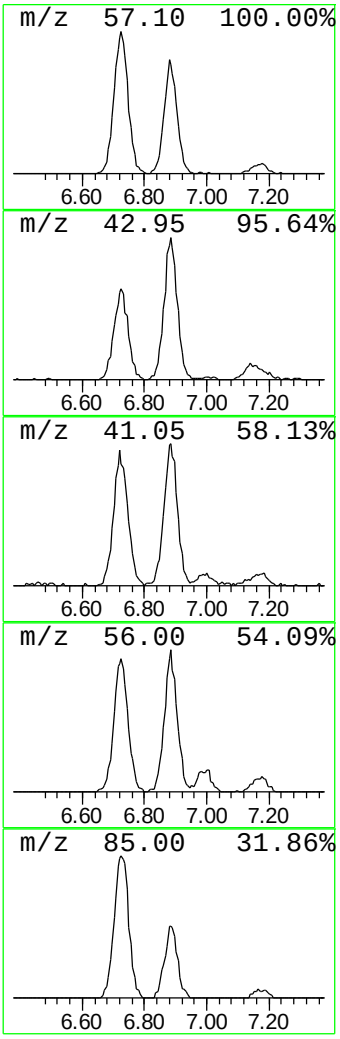
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	14.27 ug/L	103578	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	90
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	72
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

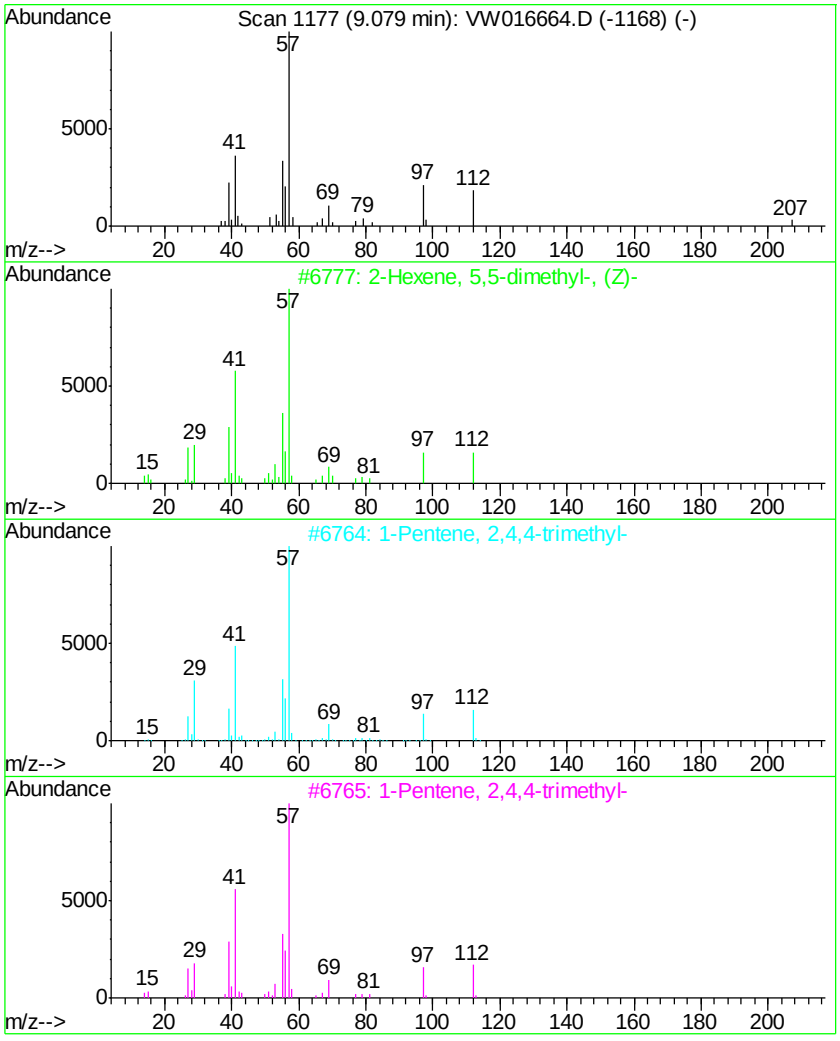
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

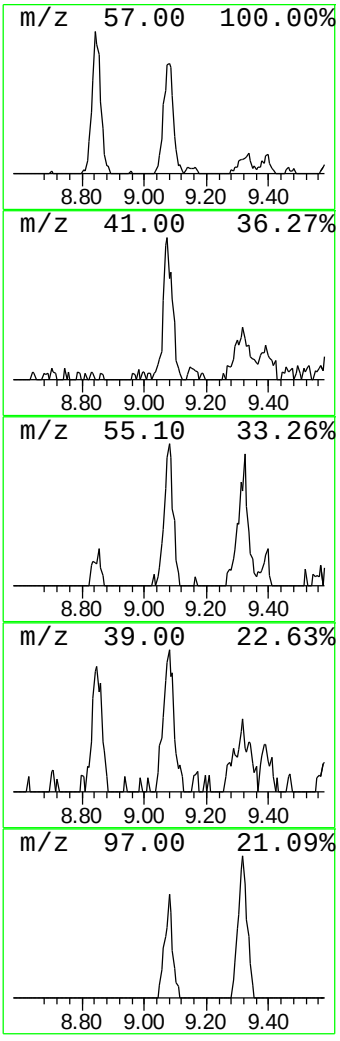
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	2.65 ug/L	19242	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	87
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	78
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	72
4	Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	50
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

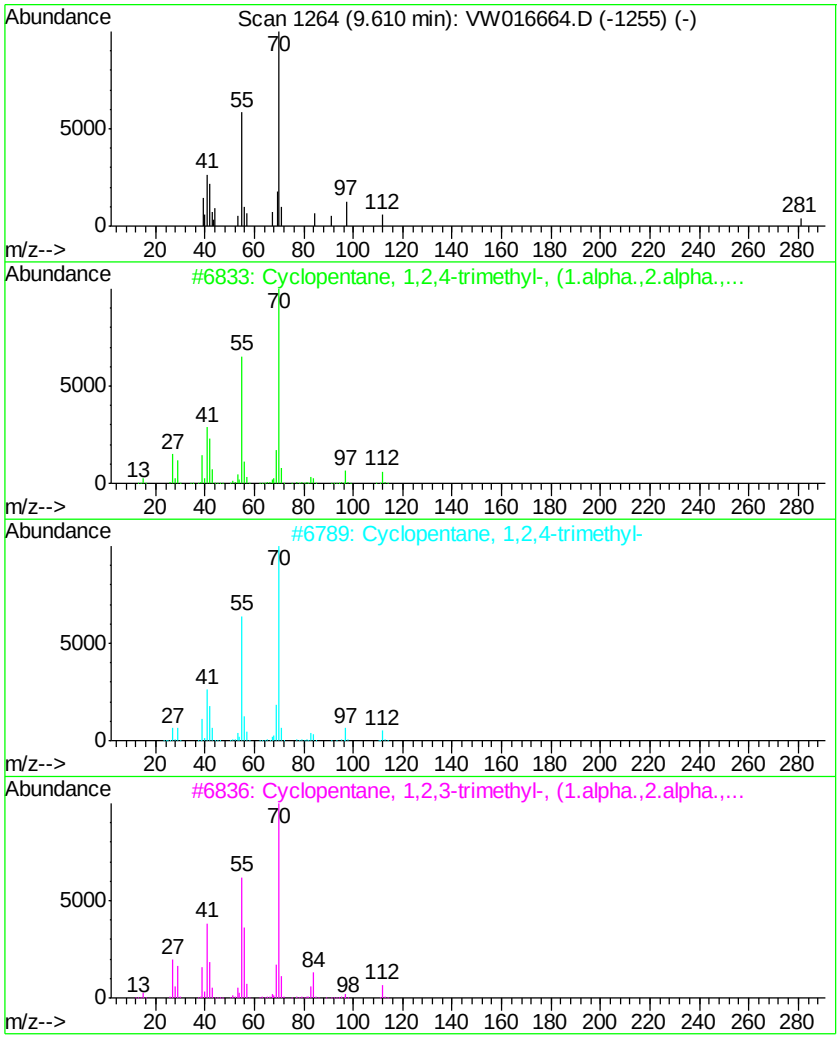
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

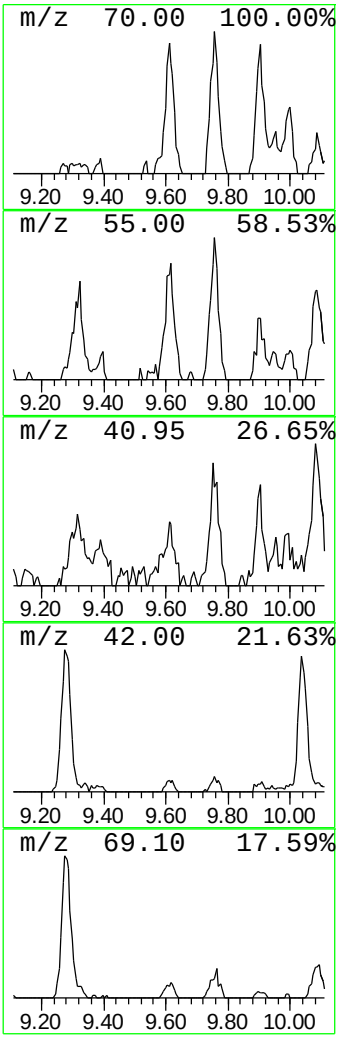
****

Peak Number 6 (DEL) Alkane: Cyclic9.61 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	1.59 ug/L	11563	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	86
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	64
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59





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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

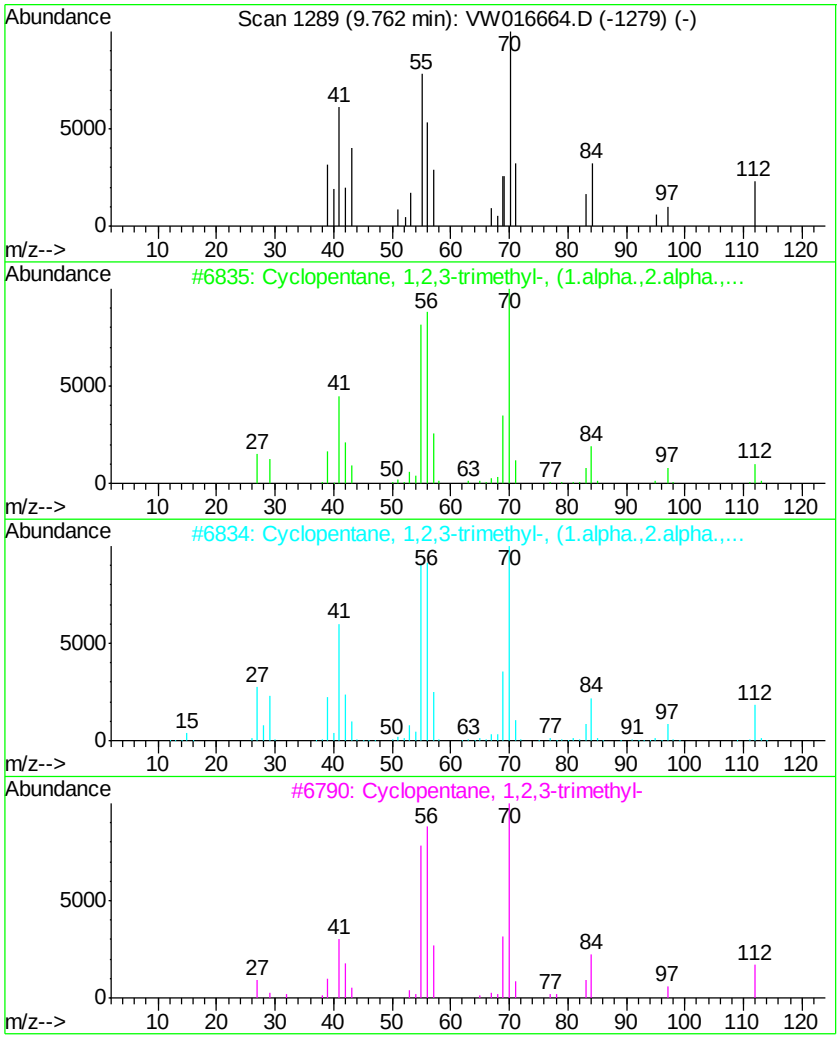
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

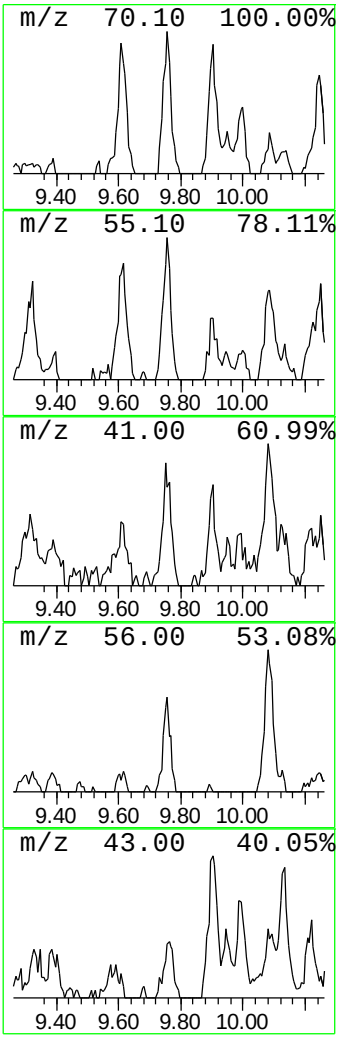
****

Peak Number 7 (DEL) Alkane: Cyclic9.76 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	2.28 ug/L	16564	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	80
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	72
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	64
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	58
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

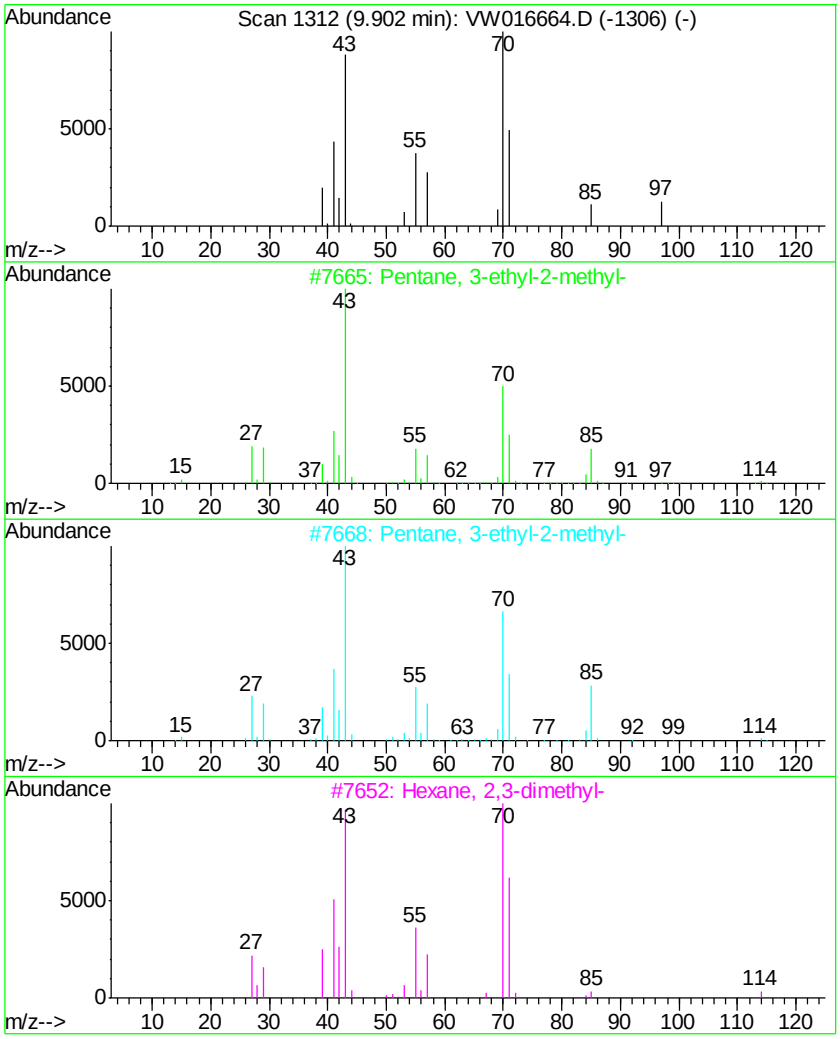
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

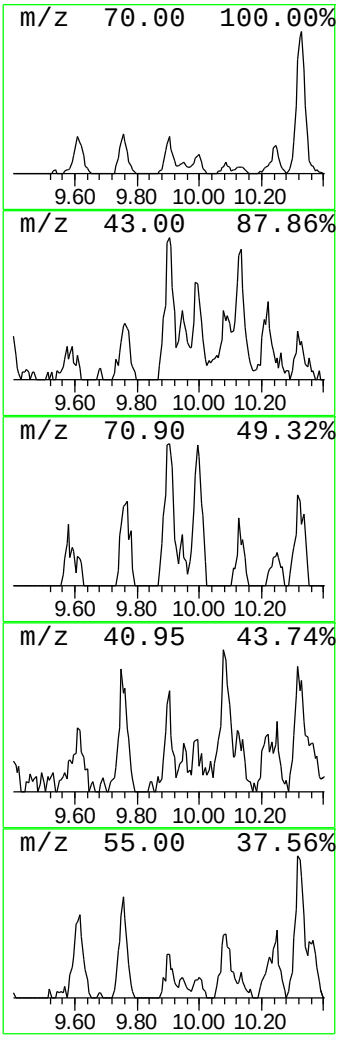
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	1.48 ug/L	10713	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	64
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	50
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	25
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

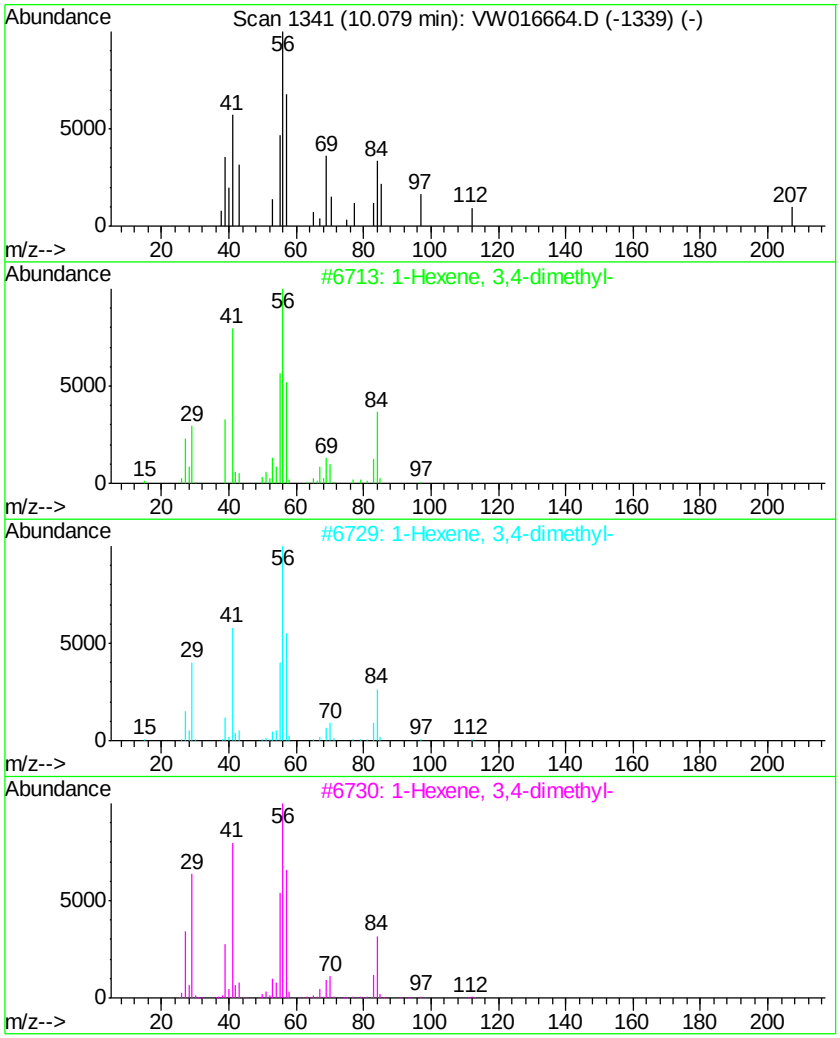
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

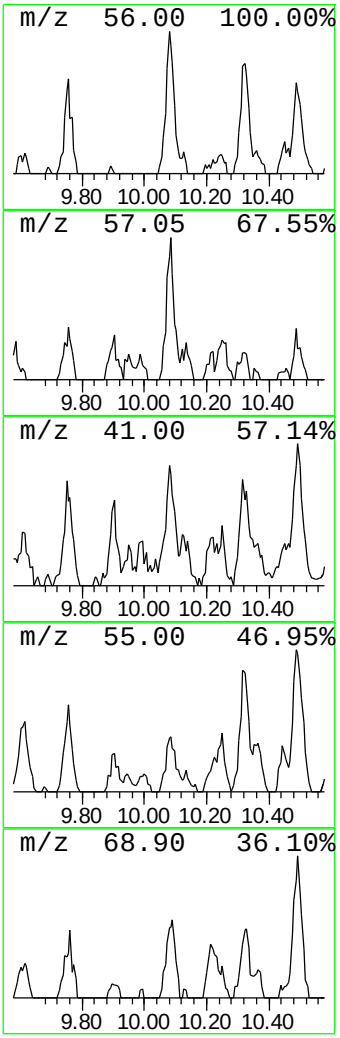
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	1.40 ug/L	10195	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
2	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
3	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
4	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	52
5	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	50





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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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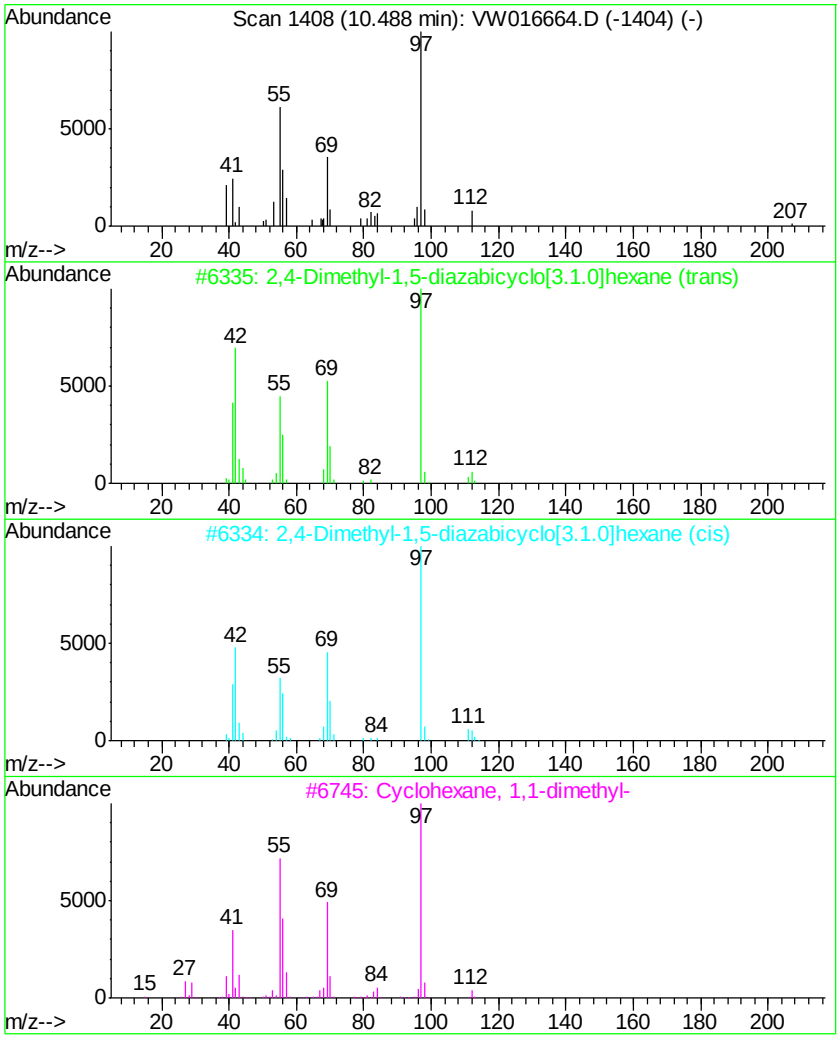
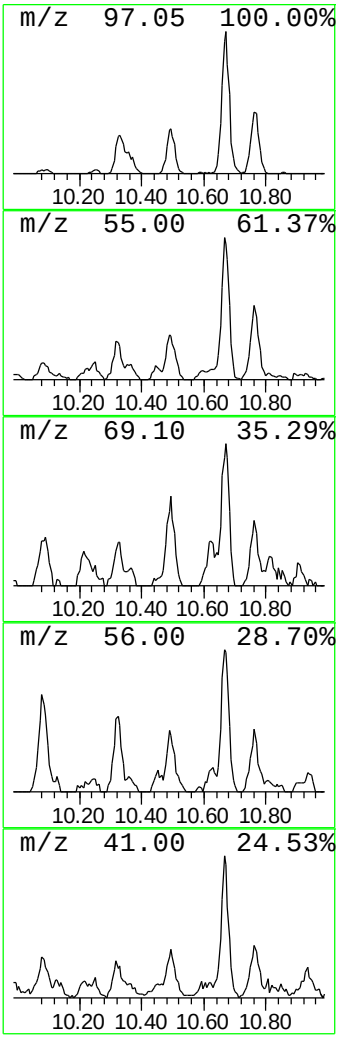
Peak Number 11 2,4-Dimethyl-1,5-diazabicyc... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	3.47 ug/L	29839	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	80
2	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	72
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
4	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	50
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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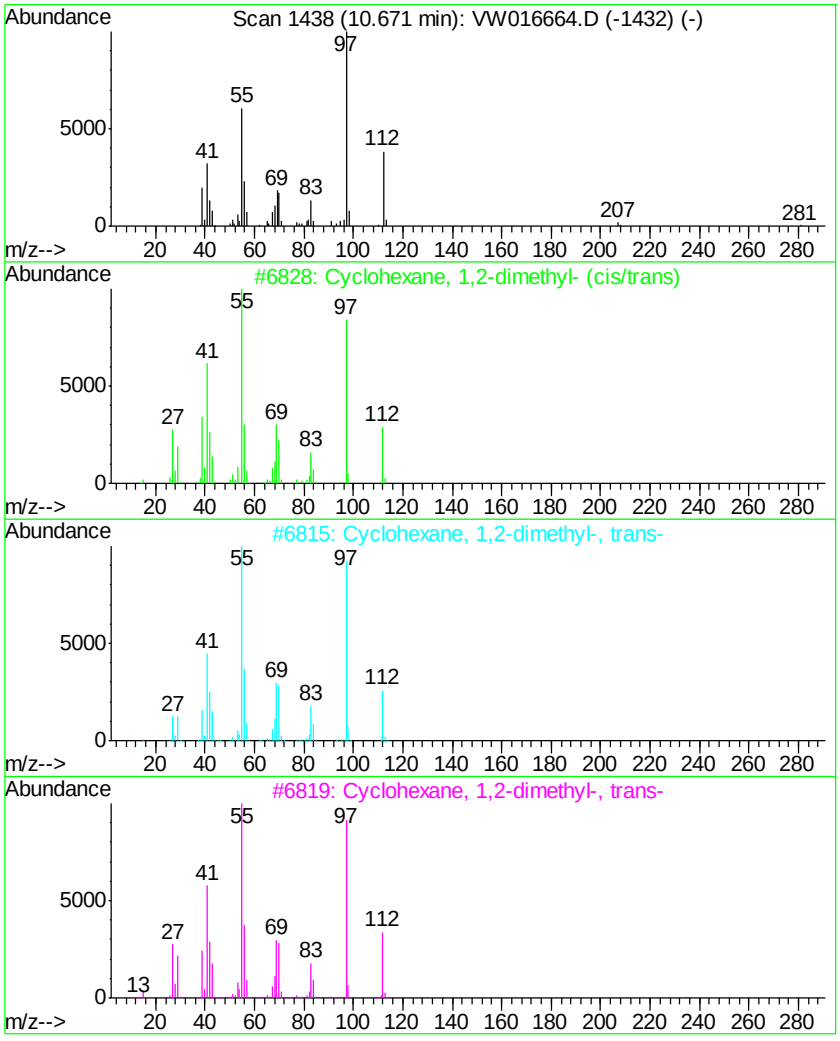
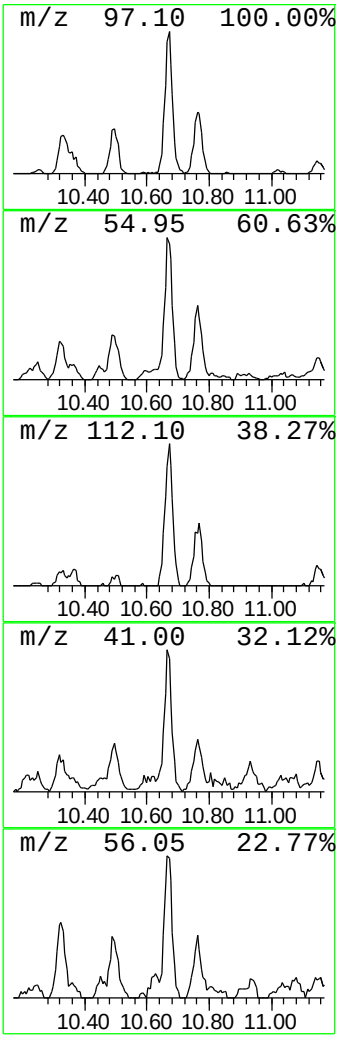
Peak Number 12 (DEL) Alkane: Cyclic10.67 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	8.75 ug/L	75256	Chlorobenzene-d5	11.63

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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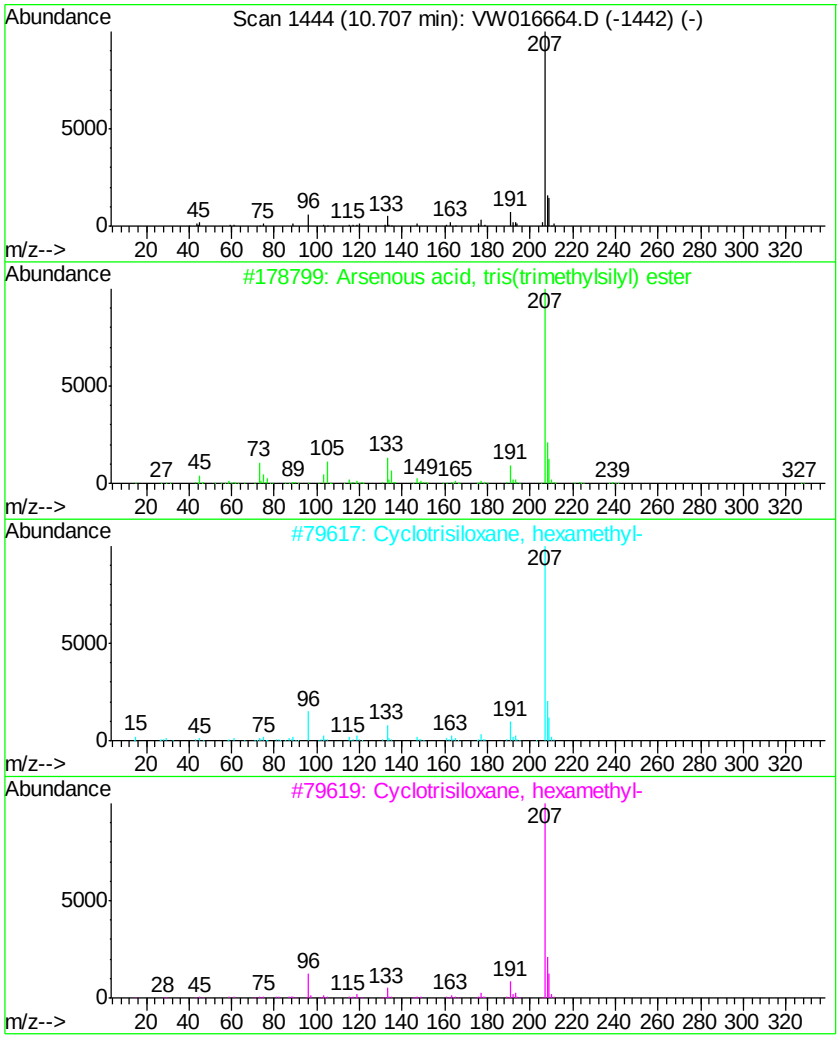
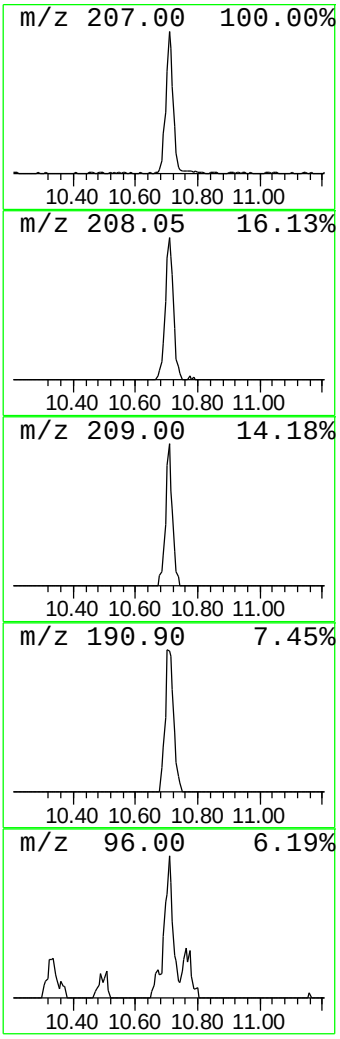
Peak Number 13 Arsenous acid, tris(trimeth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	4.19 ug/L	36080	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	78
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	78
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	78
4	2-p-Nitrophenyl-oxadiazol-1,3,4-...	207	C8H5N3O4	1000147-64-6	59
5	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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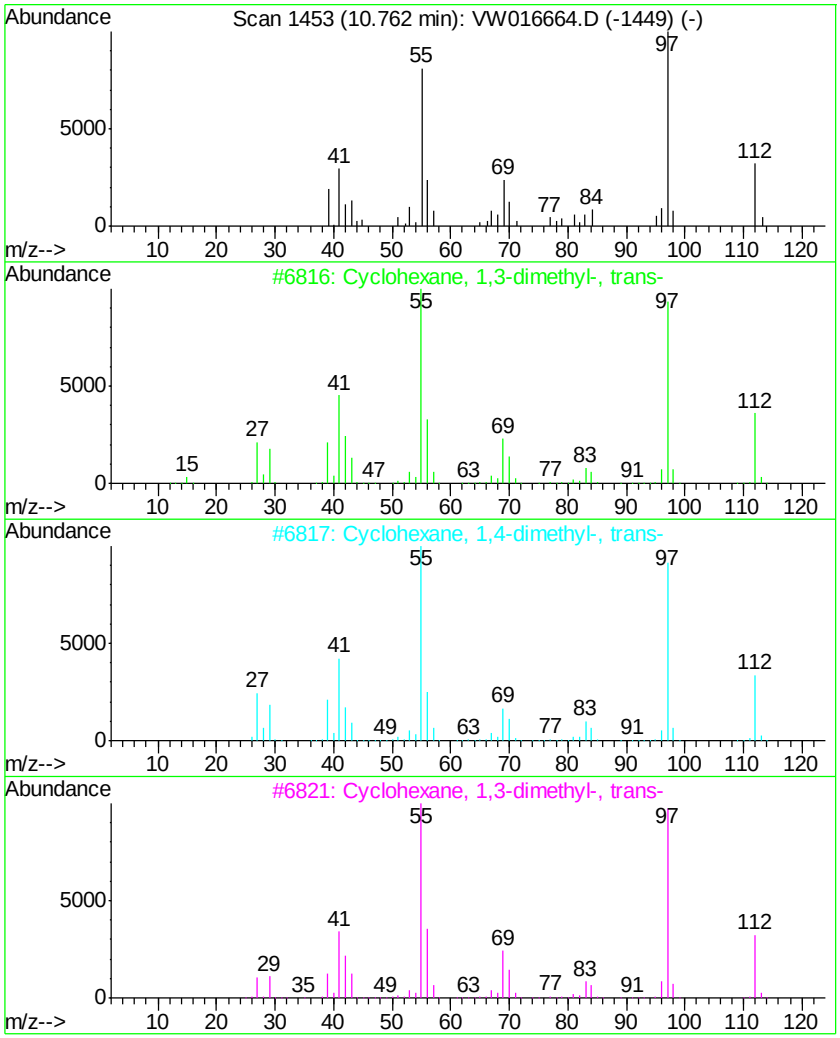
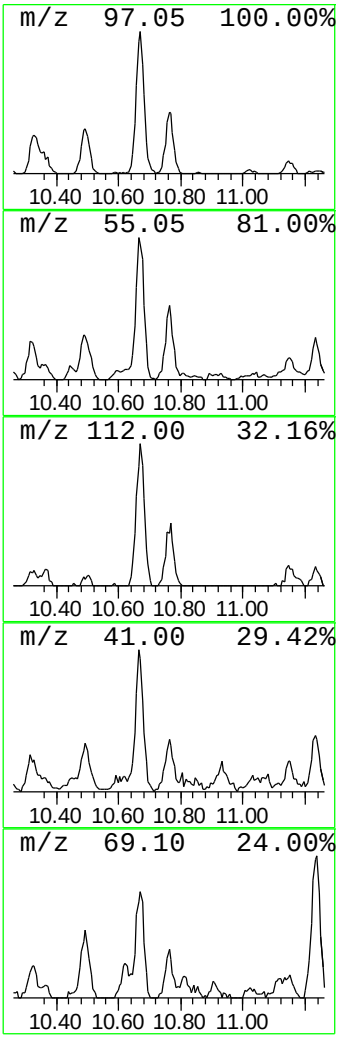
Peak Number 14 (DEL) Alkane: Cyclic10.76 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.74 ug/L	32167	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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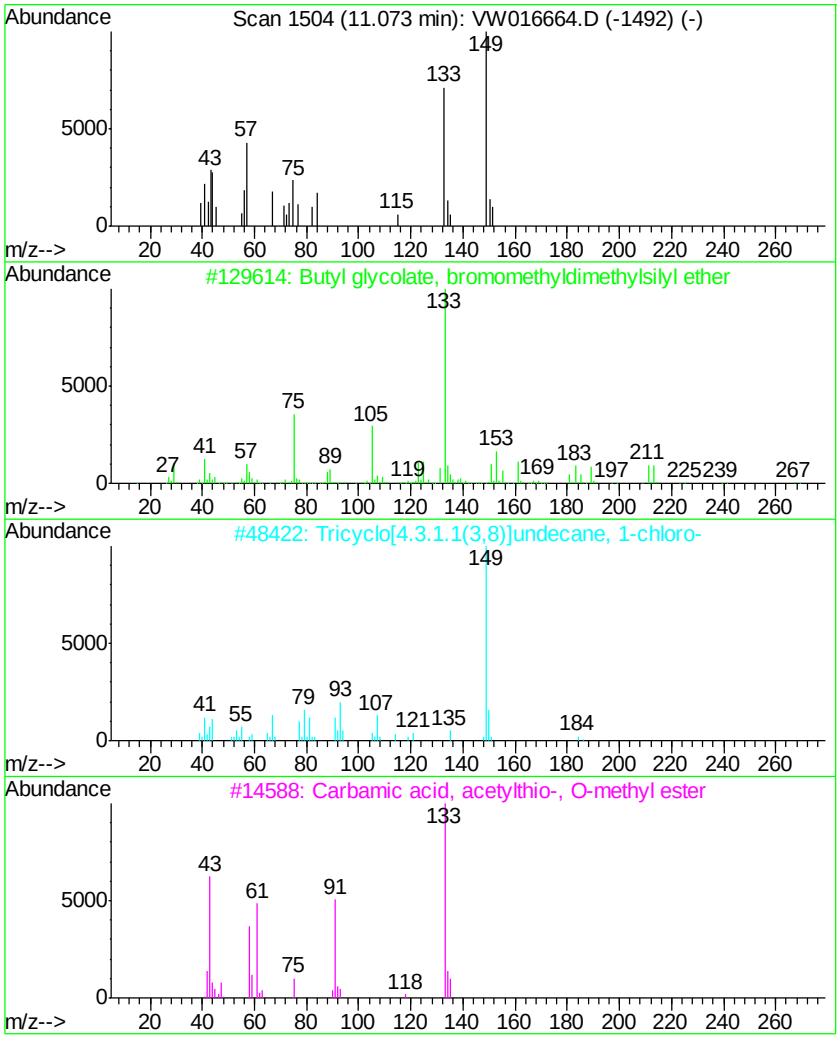
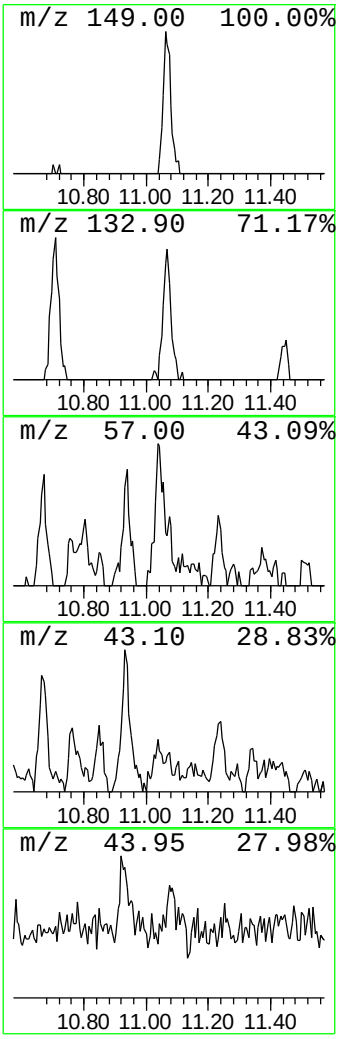
Peak Number 15 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.74 ug/L	14953	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl glycolate, bromomethyldime...	282	C9H19BrO3Si	1000375-99-9	32
2	Tricyclo[4.3.1.1(3,8)]undecane, ...	184	C11H17Cl	027011-46-7	27
3	Carbamic acid, acetylthio-, O-me...	133	C4H7NO2S	016696-87-0	25
4	4-Ethylbenzoic acid, 2-butyl ester	206	C13H18O2	1000293-31-8	17
5	Butyl 2-(trimethylsilyloxy)acetate	204	C9H20O3Si	1000366-86-7	17





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

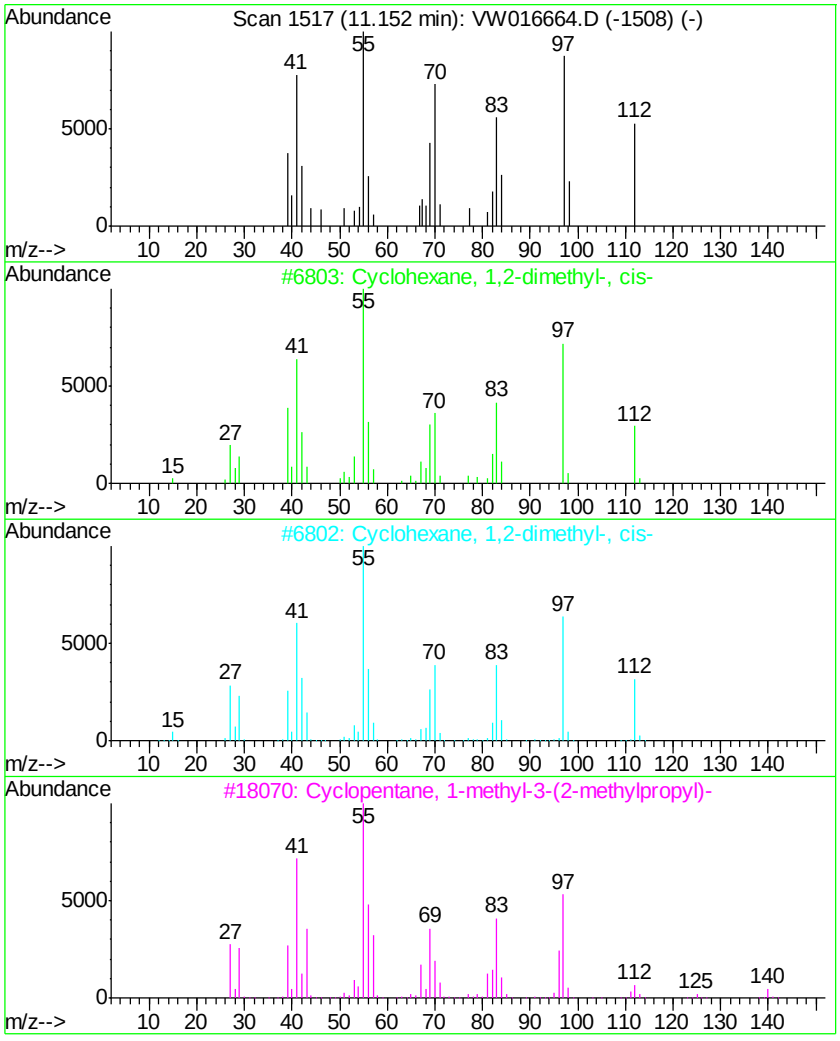
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

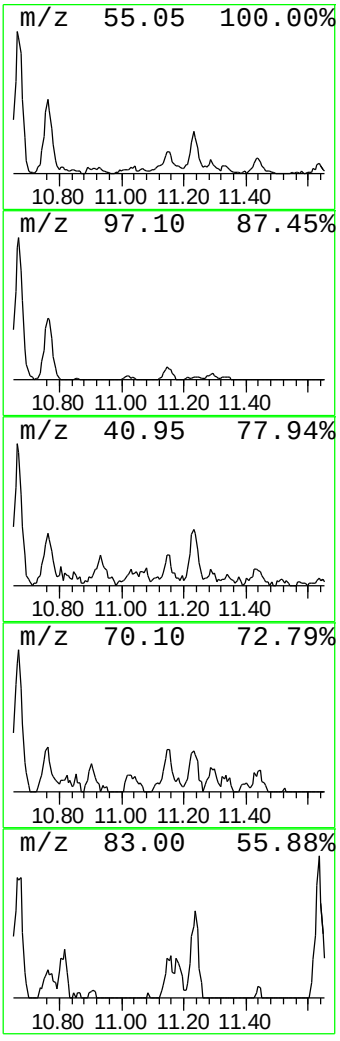
****

Peak Number 16 (DEL) Alkane: Cyclic11.15 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	1.55 ug/L	13343	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	59
3	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	53
4	3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	50
5	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

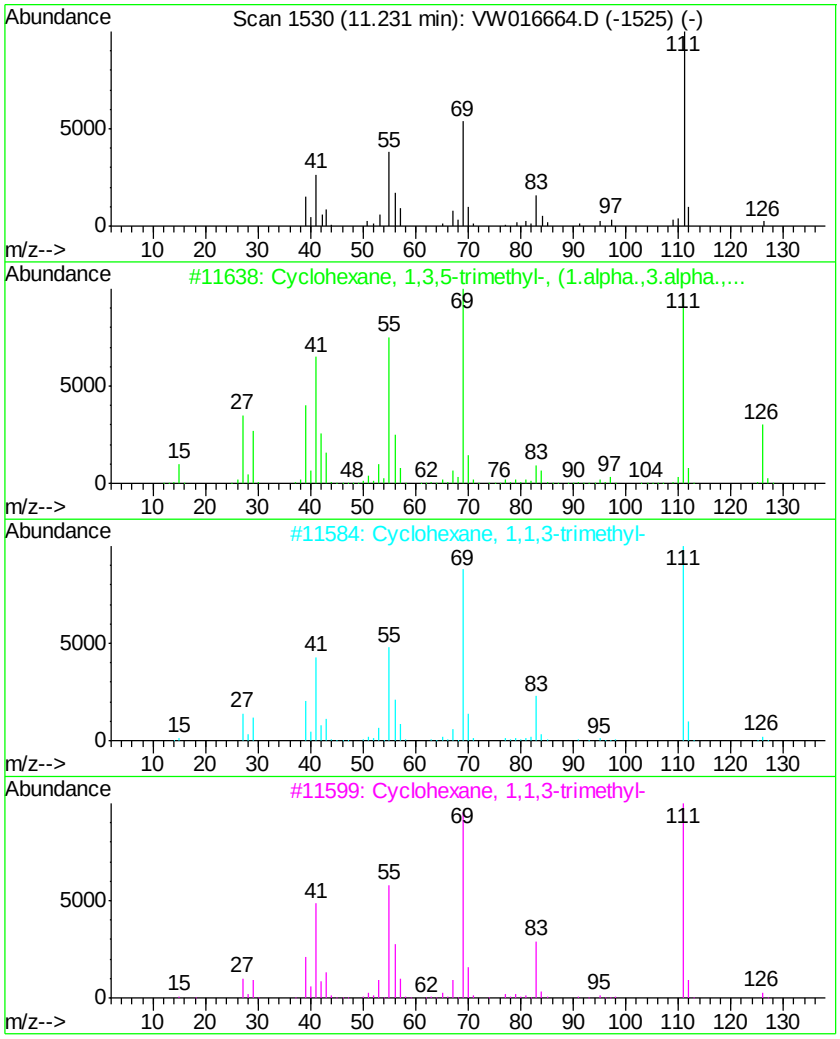
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

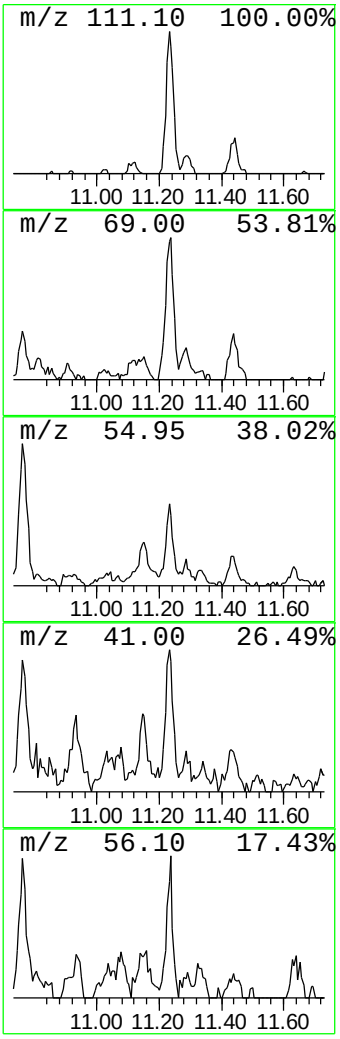
****

Peak Number 17 (DEL) Alkane: Cyclic11.23 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.31 ug/L	28450	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	64
5	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59





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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

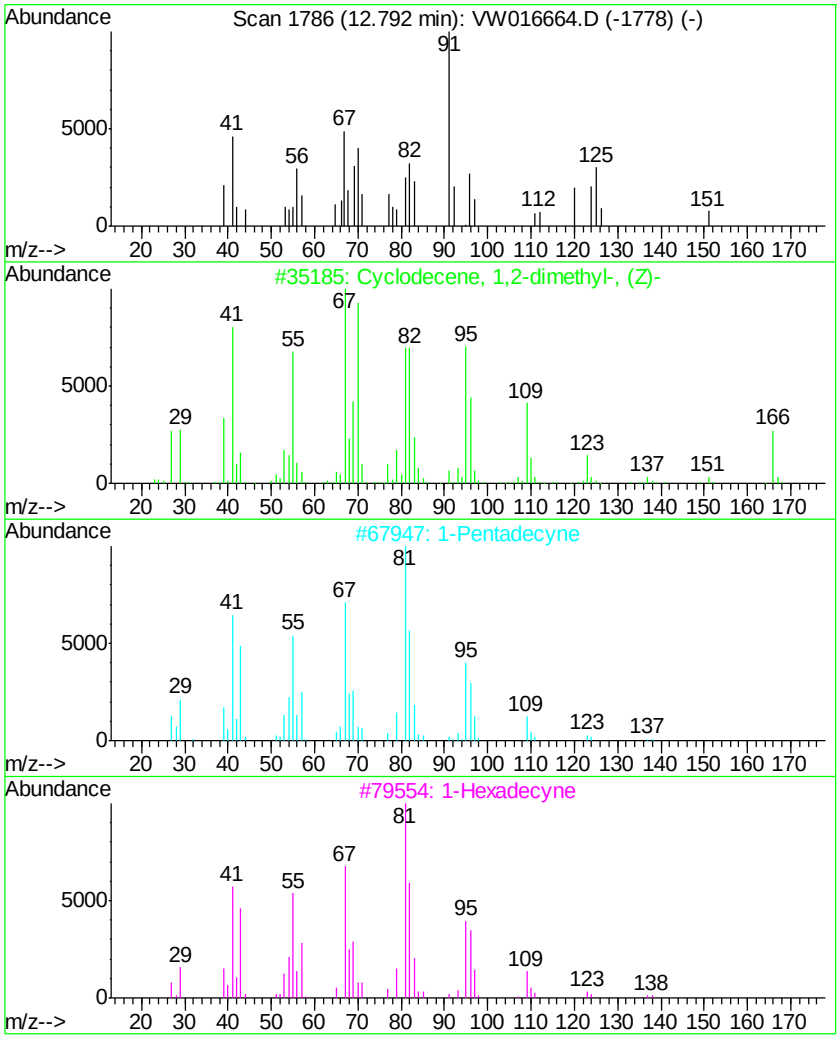
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

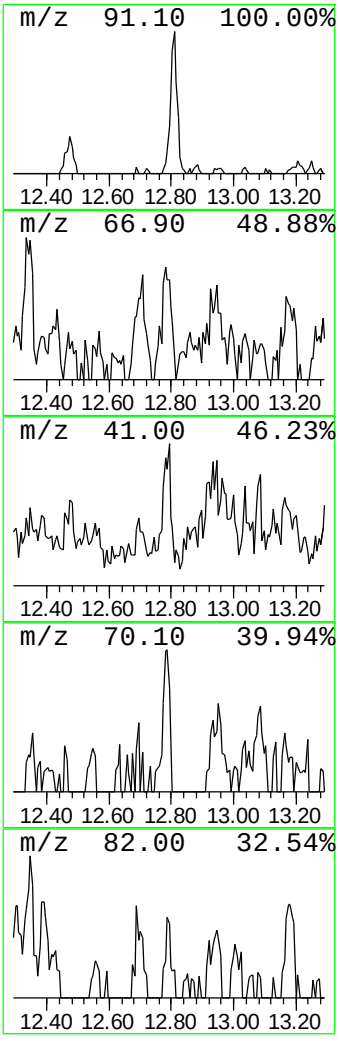
****

Peak Number 20 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	1.86 ug/L	17273	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1,2-dimethyl-, (Z)-	166	C12H22	014113-67-8	27
2	1-Pentadecyne	208	C15H28	000765-13-9	22
3	1-Hexadecyne	222	C16H30	000629-74-3	22
4	1-Undecyne	152	C11H20	002243-98-3	22
5	1-Octyl trifluoroacetate	226	C10H17F3O2	002561-21-9	22





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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

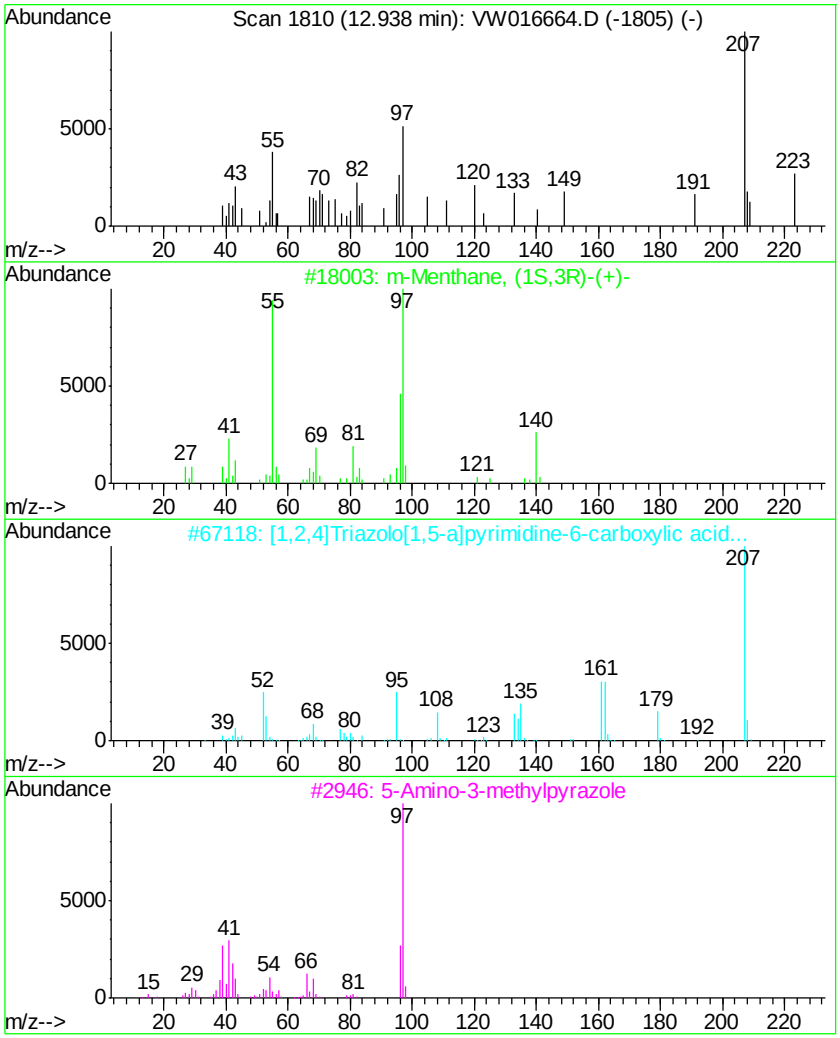
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

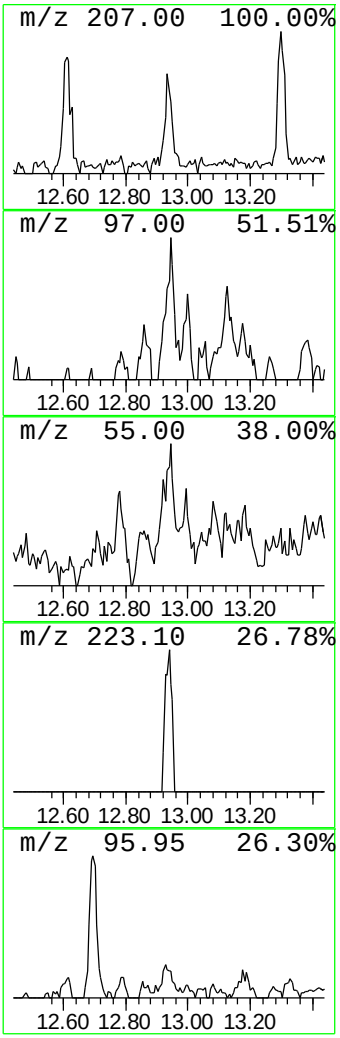
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	1.60 ug/L	14878	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	30
2	[1,2,4]Triazolo[1,5-a]pyrimidine...	207	C8H9N5O2	1000316-75-8	22
3	5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	18
4	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	14
5	[1,2,4]Triazolo[1,5-a]pyrimidine...	207	C8H9N5O2	1000351-62-2	14





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

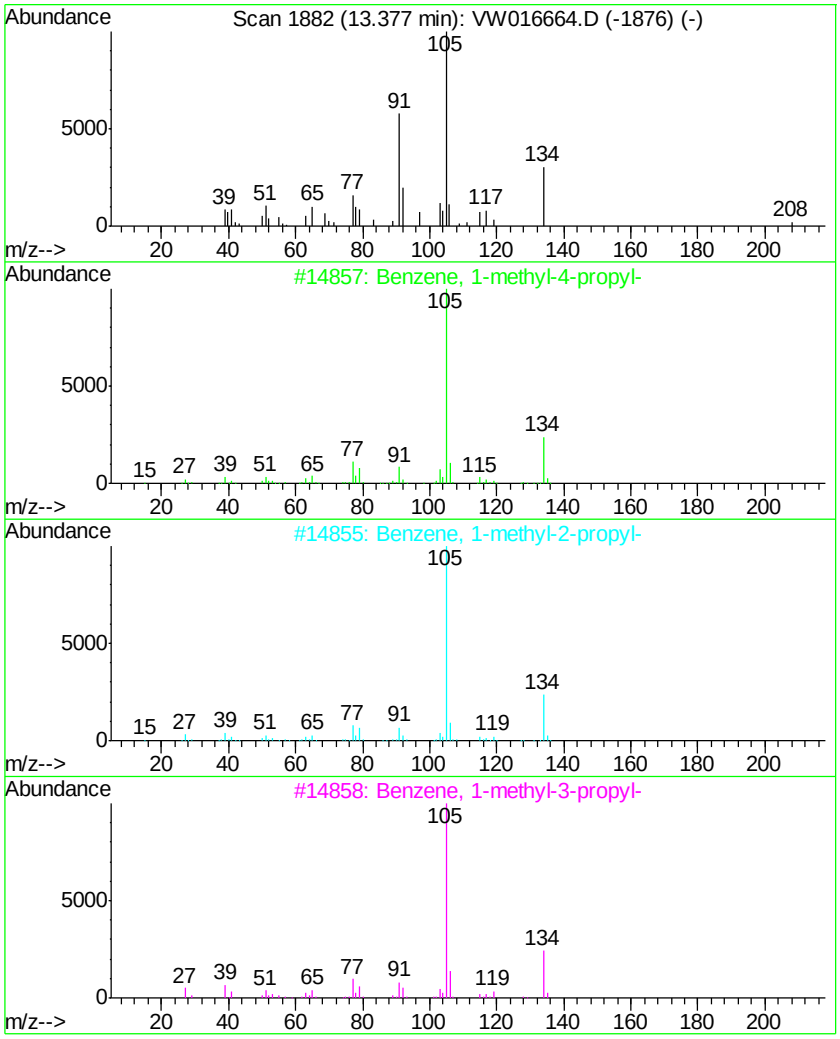
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

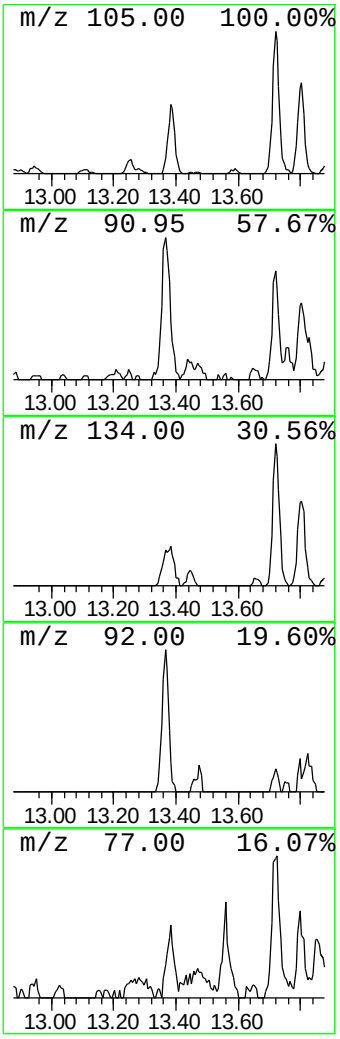
****

Peak Number 22 Benzene, 1-methyl-4-propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.49 ug/L	23150	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72





Library Search Compound Report

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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

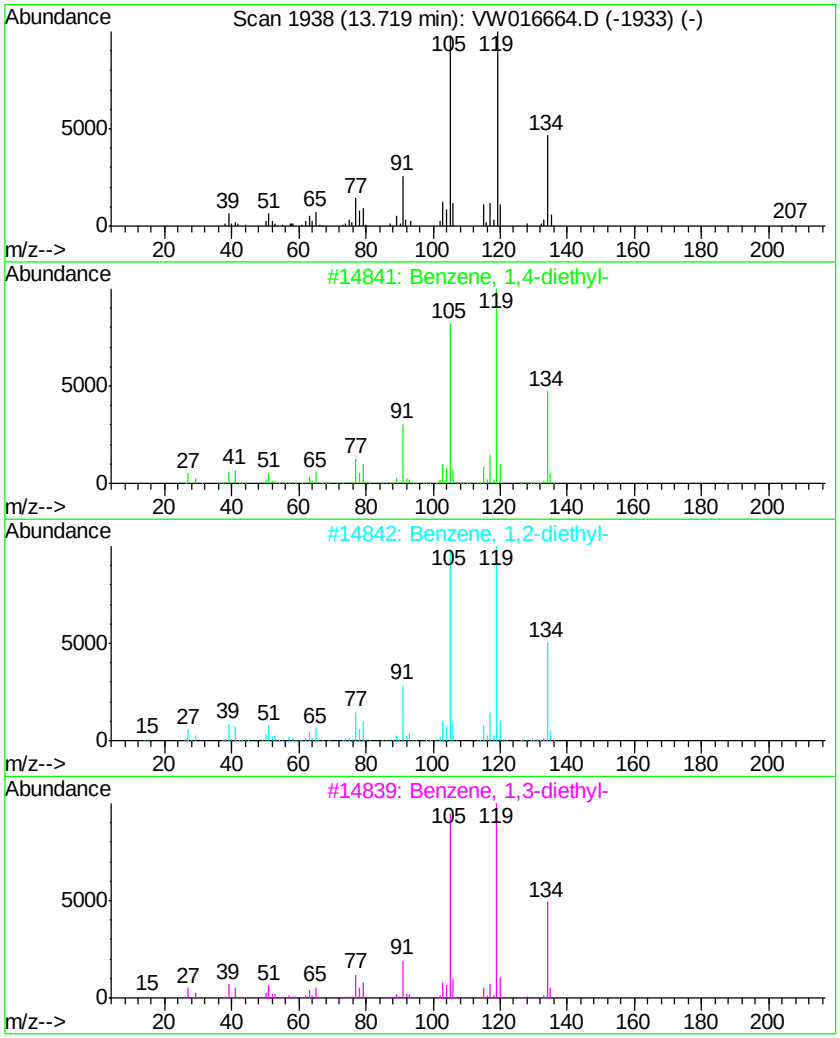
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

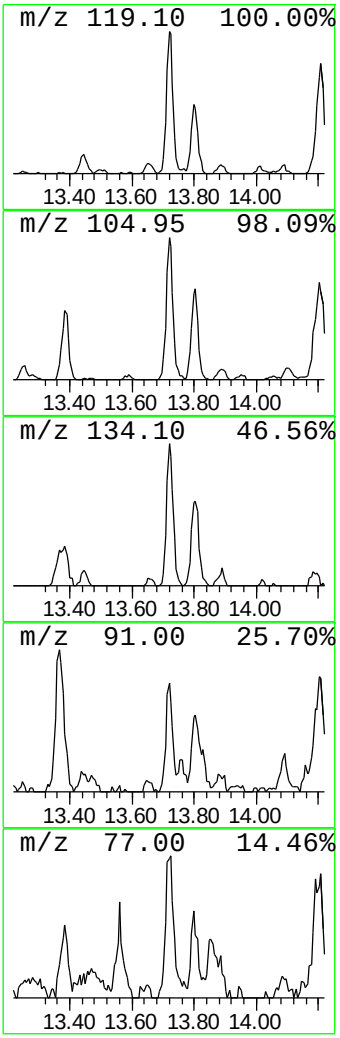
****

Peak Number 23 Benzene, 1,4-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	5.73 ug/L	53128	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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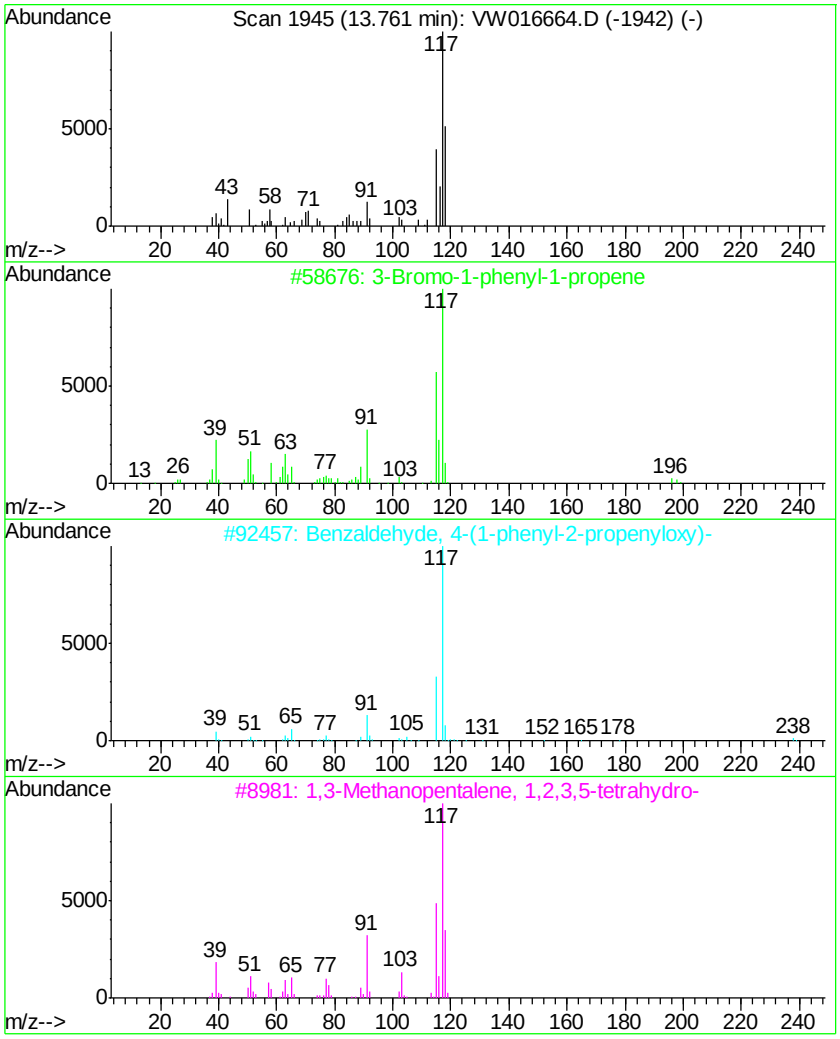
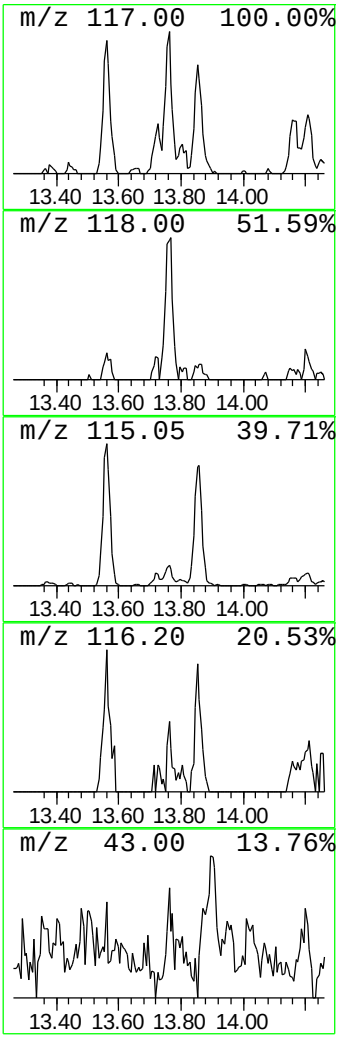
Peak Number 24 unknown-03 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.67 ug/L	15471	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Bromo-1-phenyl-1-propene	196	C9H9Br	004392-24-9	42
2	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	40
3	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	40
4	Deltacyclene	118	C9H10	007785-10-6	38
5	Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-50-0	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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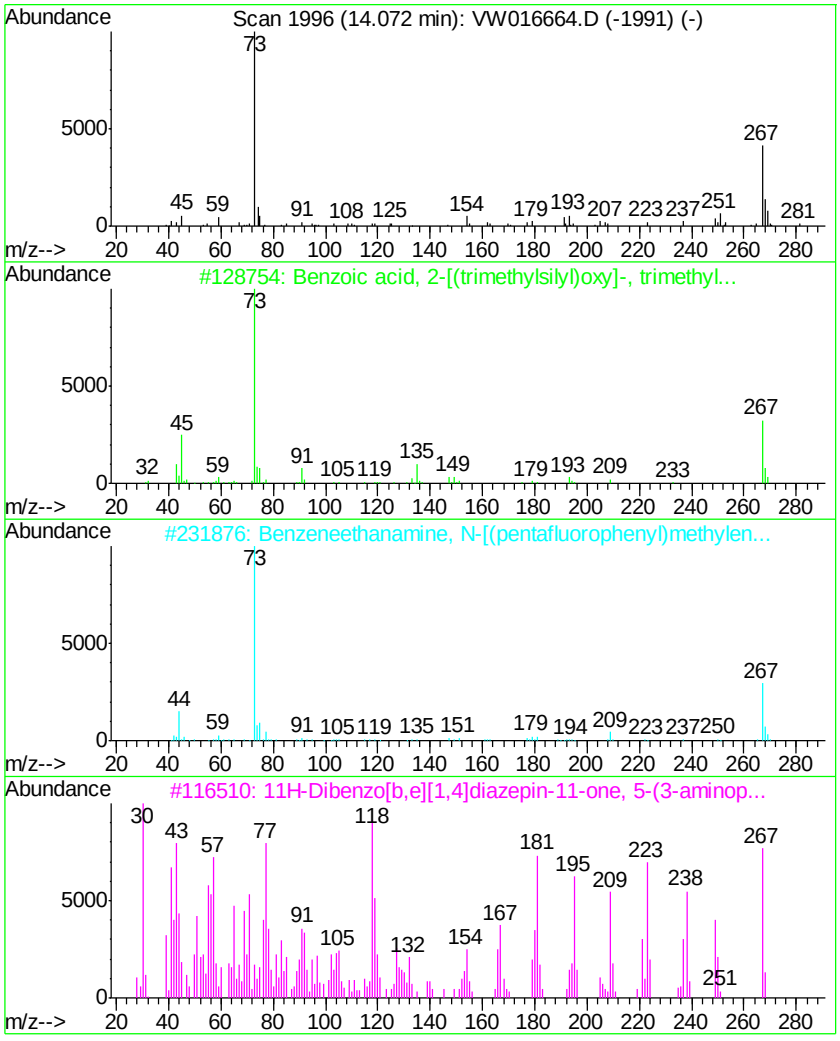
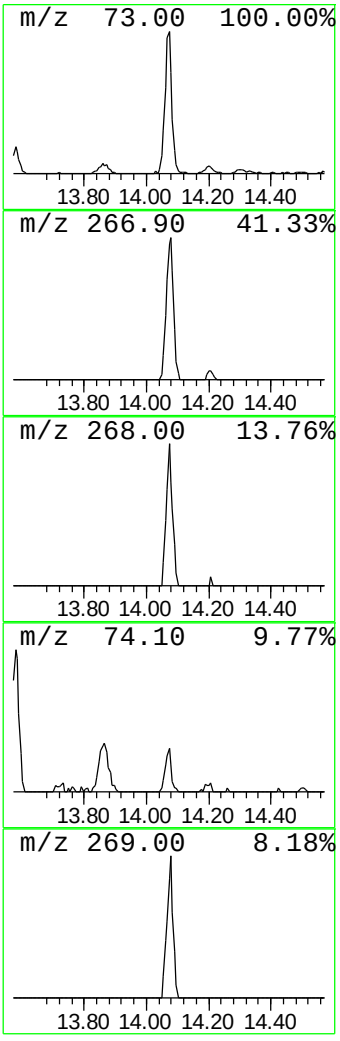
Peak Number 25 Benzoic acid, 2-[(trimethyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	4.28 ug/L	39718	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	59
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	56
3	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	43
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38
5	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38





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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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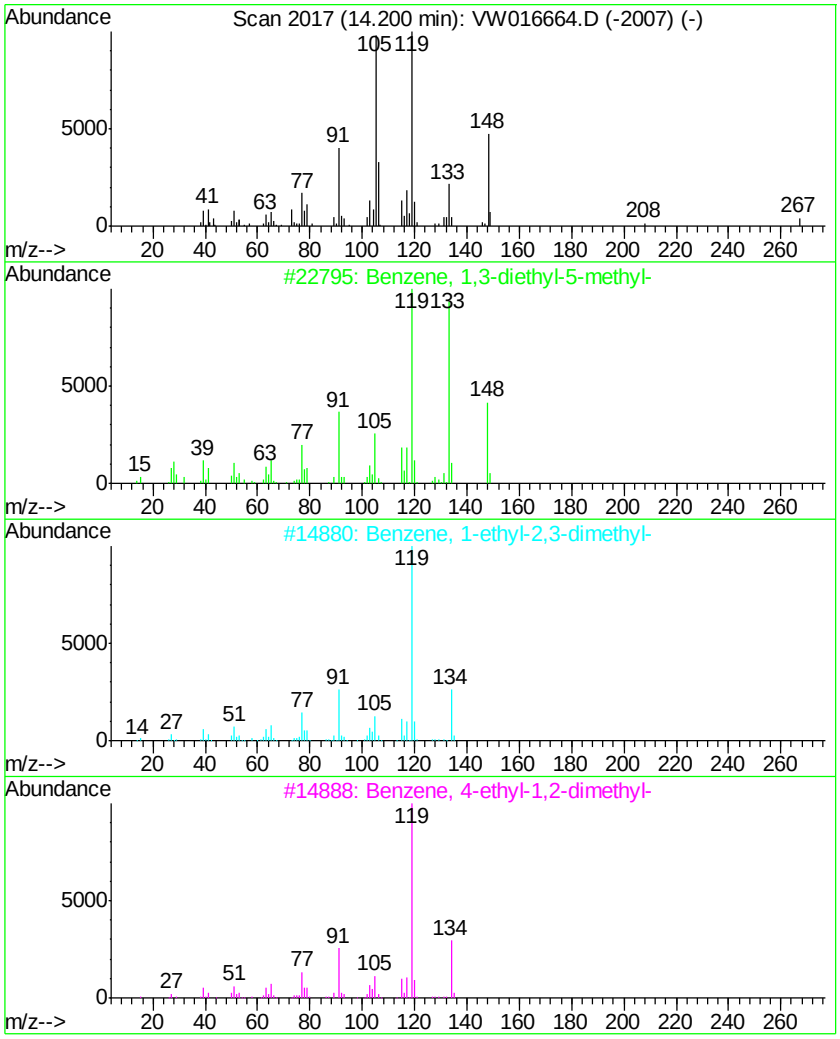
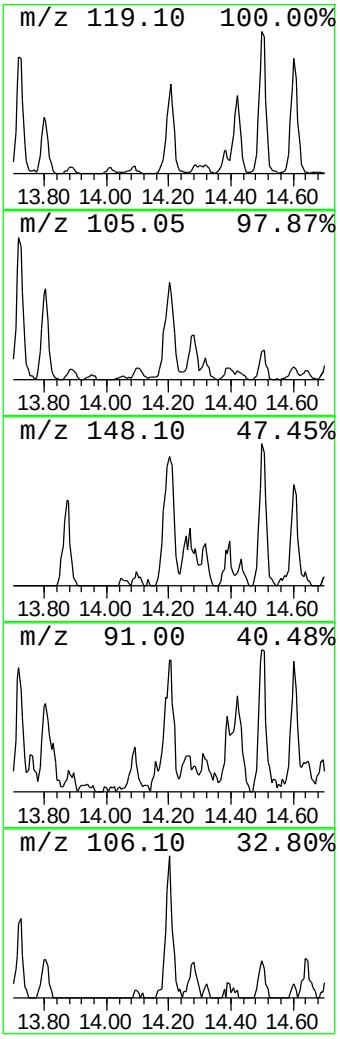
Peak Number 26 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	7.54 ug/L	69938	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50





Library Search Compound Report

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Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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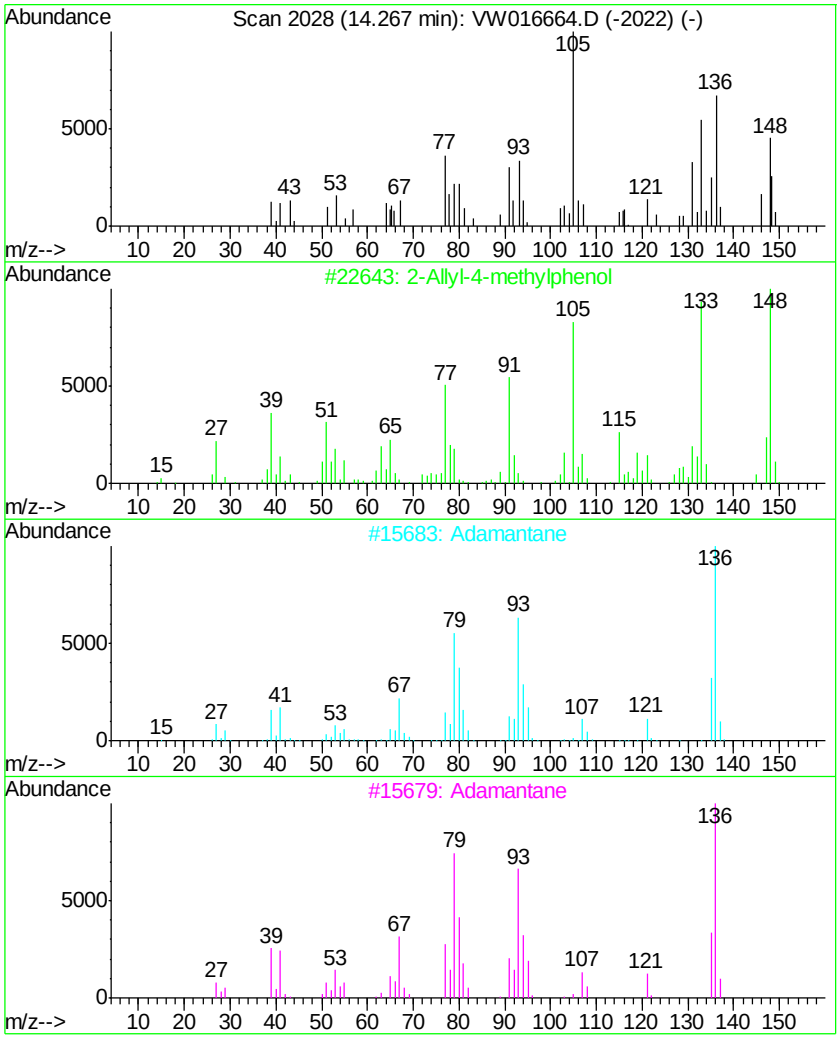
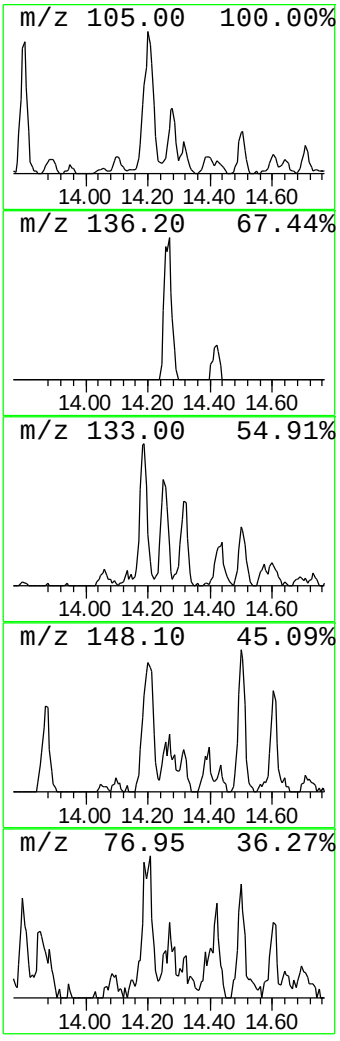
Peak Number 27 unknown-04 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	3.01 ug/L	27965	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	46
2	Adamantane	136	C10H16	000281-23-2	42
3	Adamantane	136	C10H16	000281-23-2	41
4	1,4-Benzenediamine, 2,3-dimethyl-	136	C8H12N2	005306-96-7	38
5	Adamantane	136	C10H16	000281-23-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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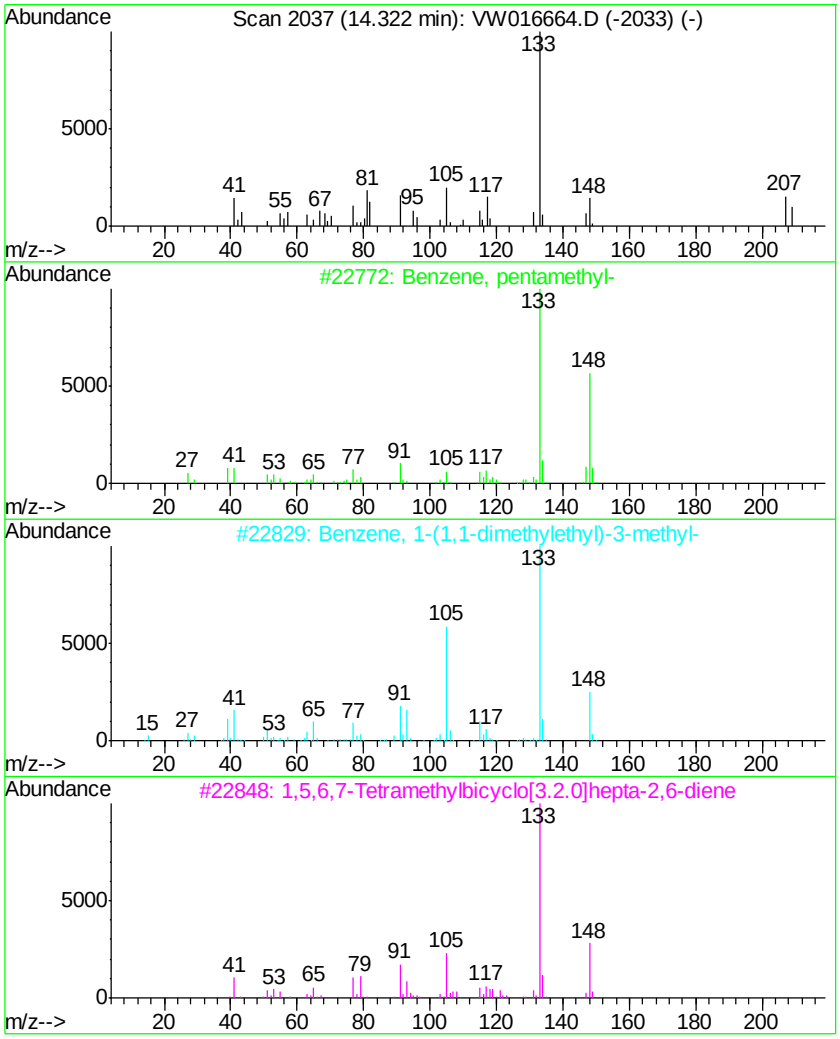
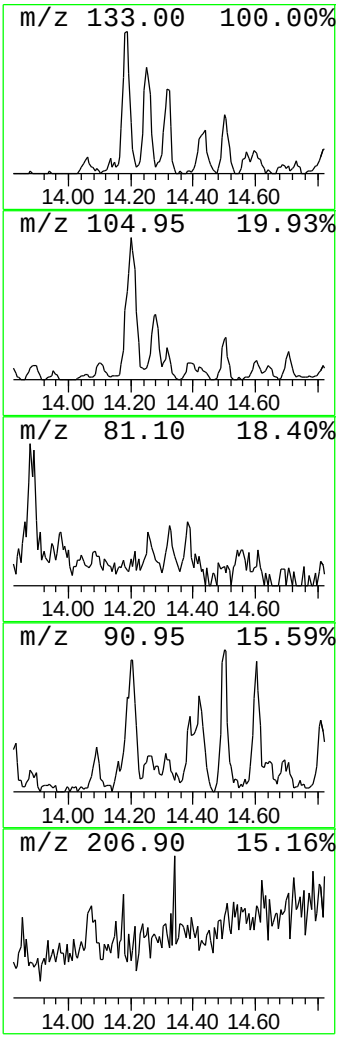
Peak Number 28 Benzene, pentamethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	1.56 ug/L	14434	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	76
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	68
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	68
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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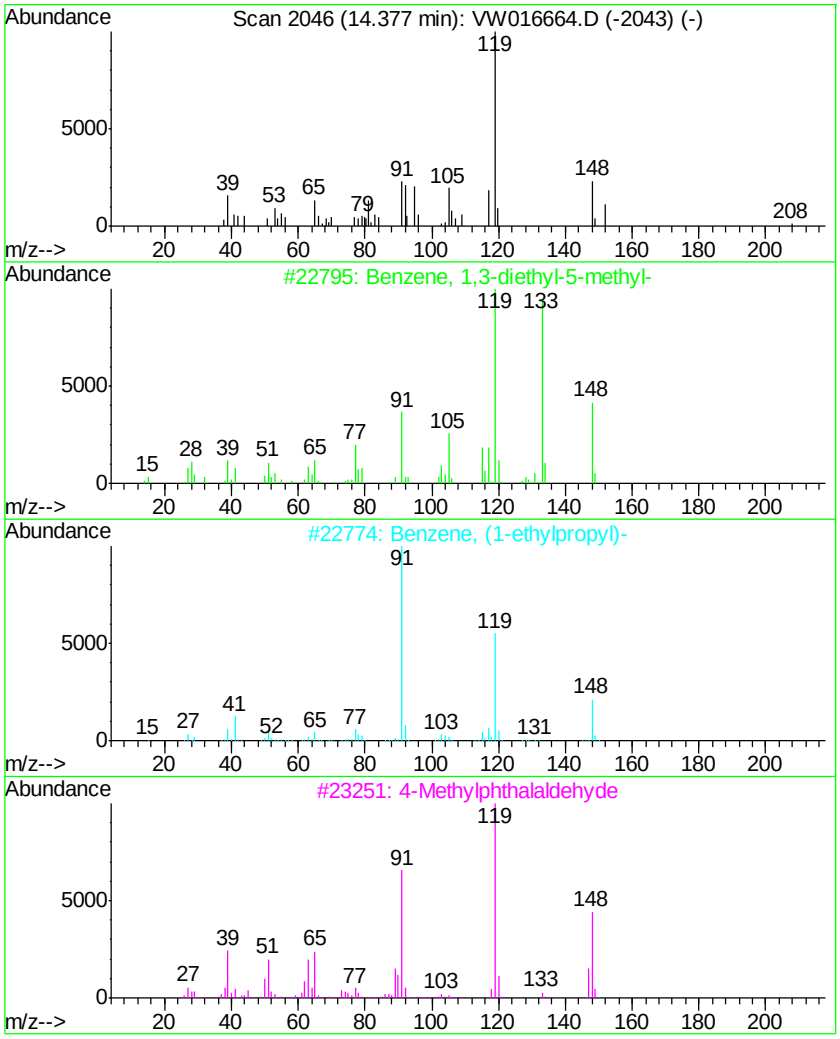
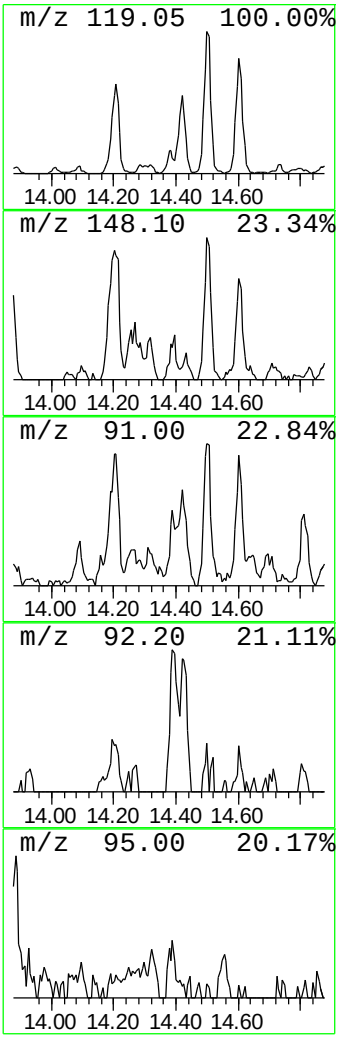
Peak Number 29 Benzene, (1-ethylpropyl)- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	1.40 ug/L	13012	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
2	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	50
3	4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	43
4	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	43
5	Benzoic acid, 2-amino-	137	C7H7NO2	000118-92-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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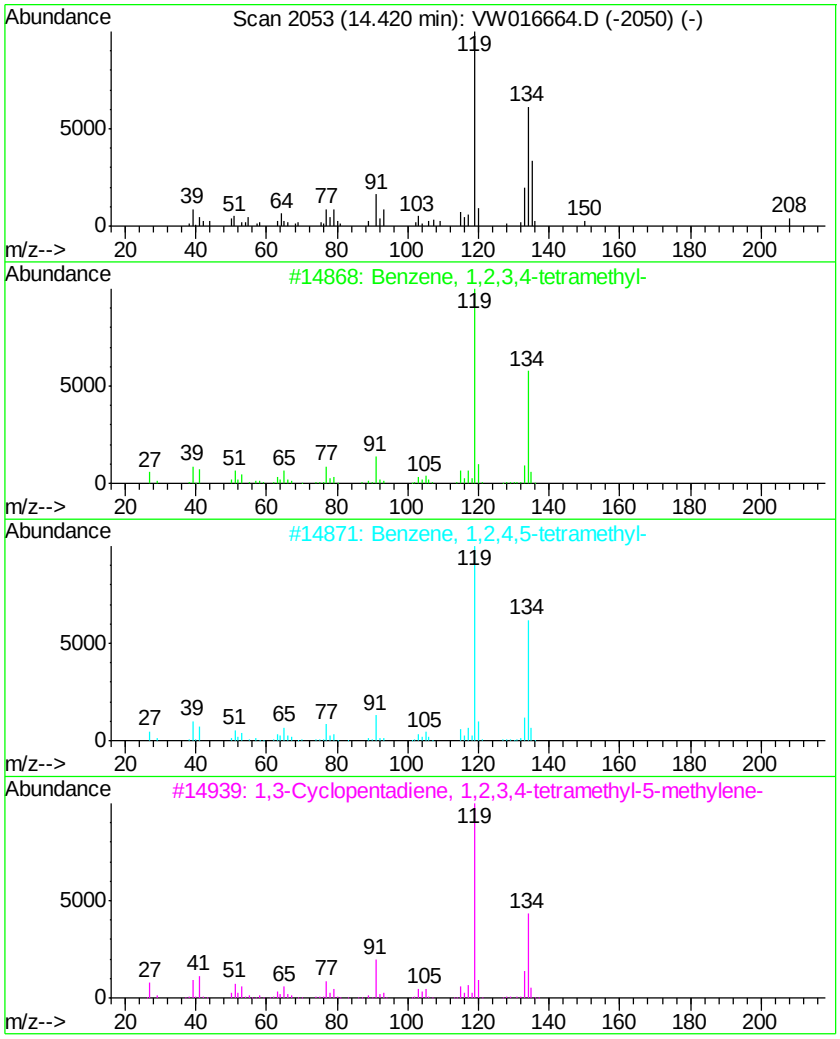
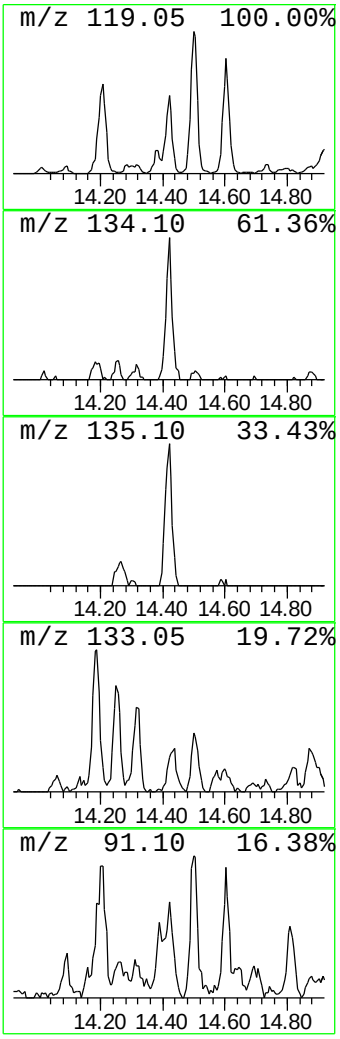
Peak Number 30 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.95 ug/L	36650	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	80
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	74
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

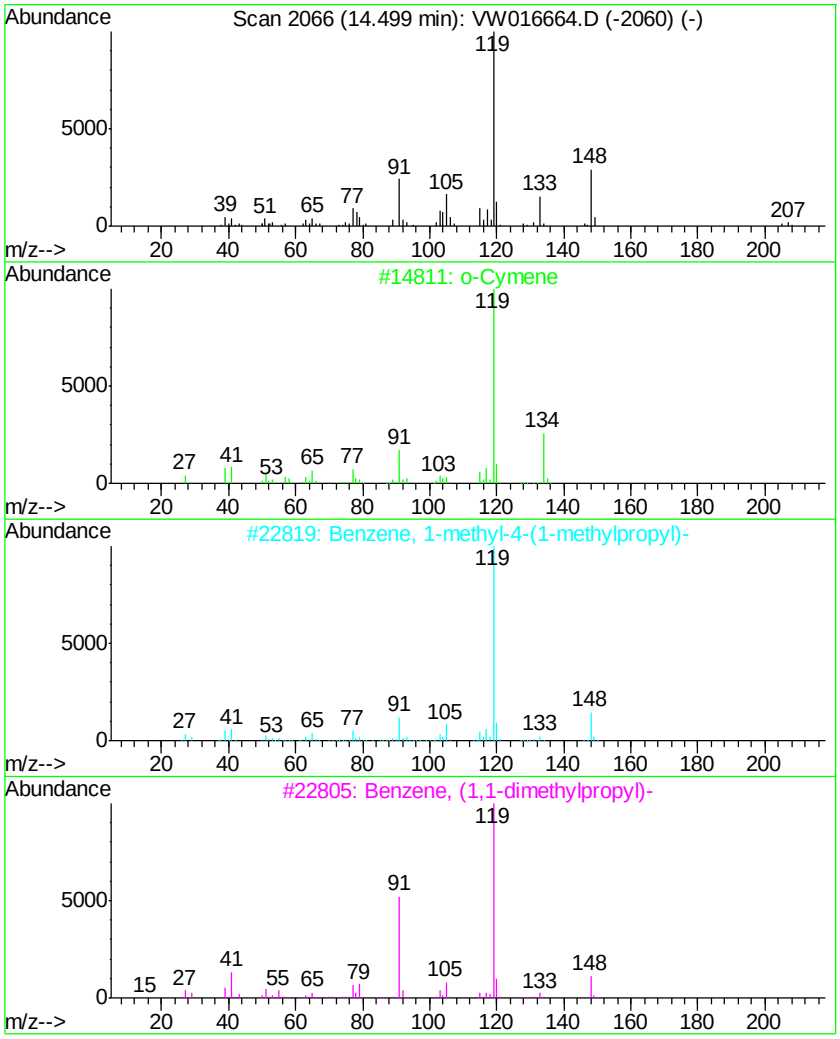
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

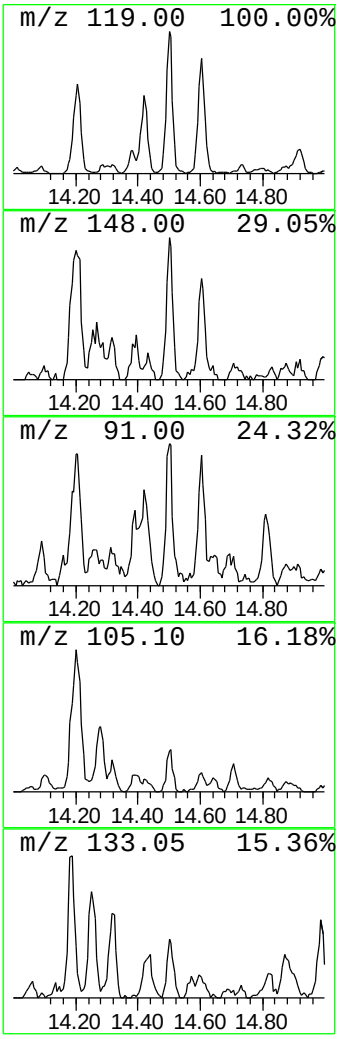
****

Peak Number 31 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	5.41 ug/L	50241	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4	4'-Methylpropiophenone	148	C10H12O	005337-93-9	70
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

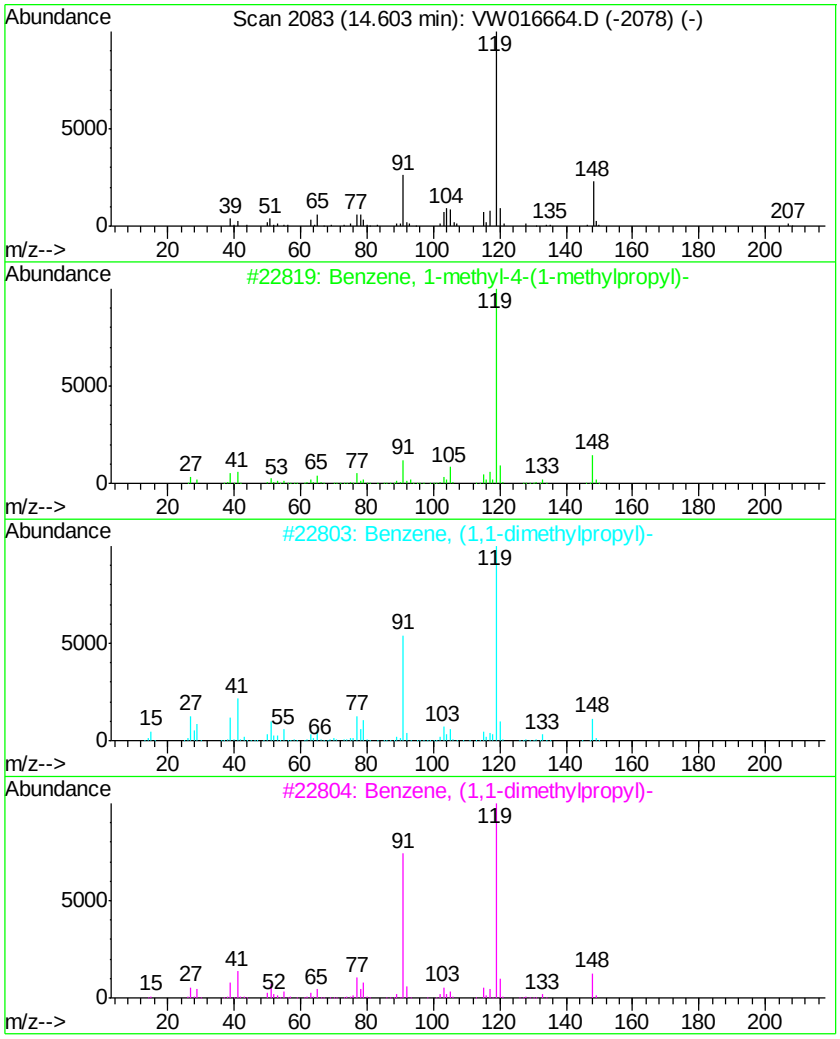
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

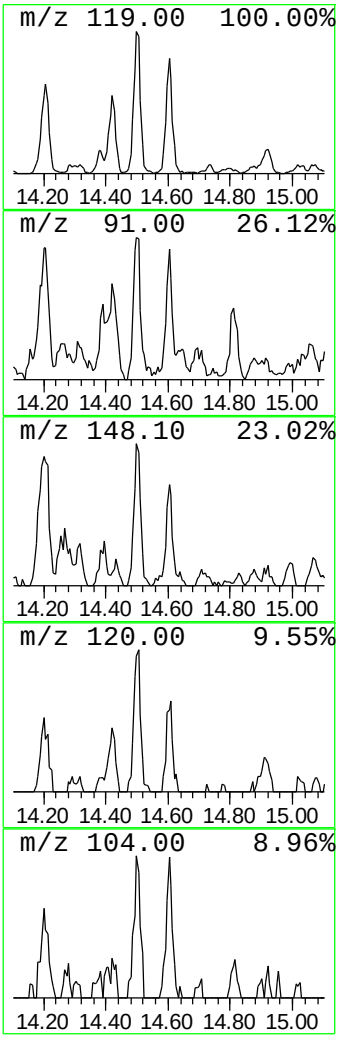
****

Peak Number 32 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	3.25 ug/L	30157	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	87
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

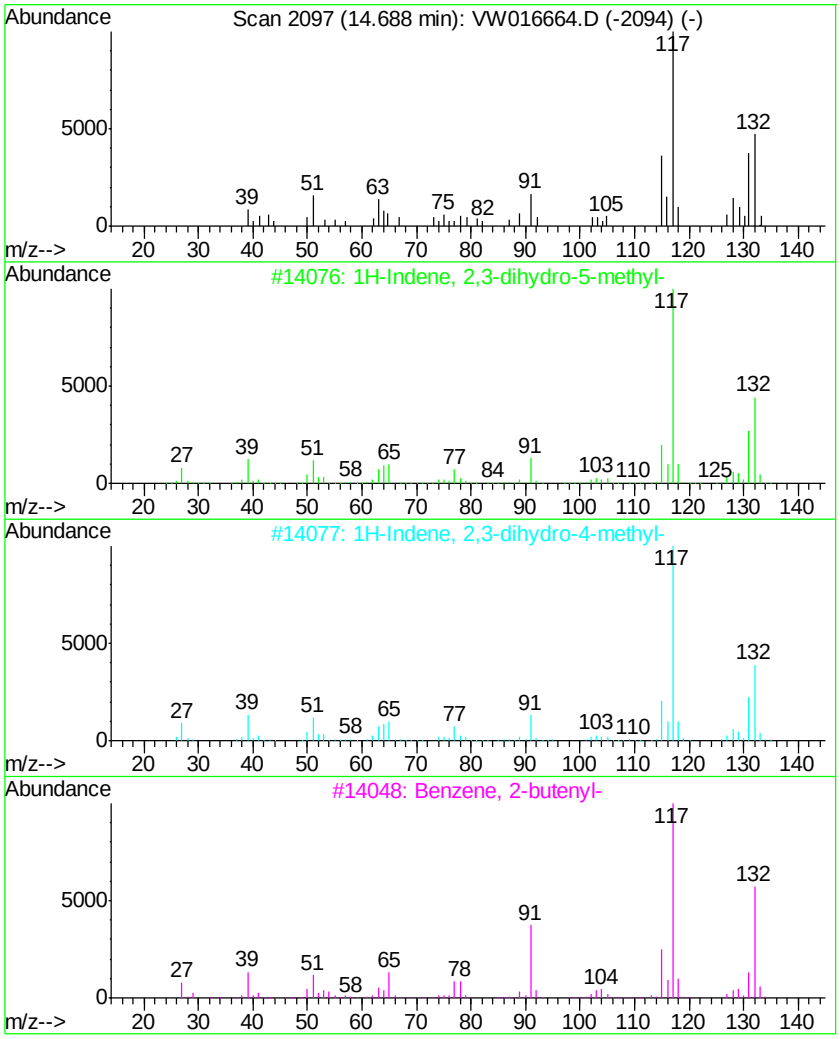
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

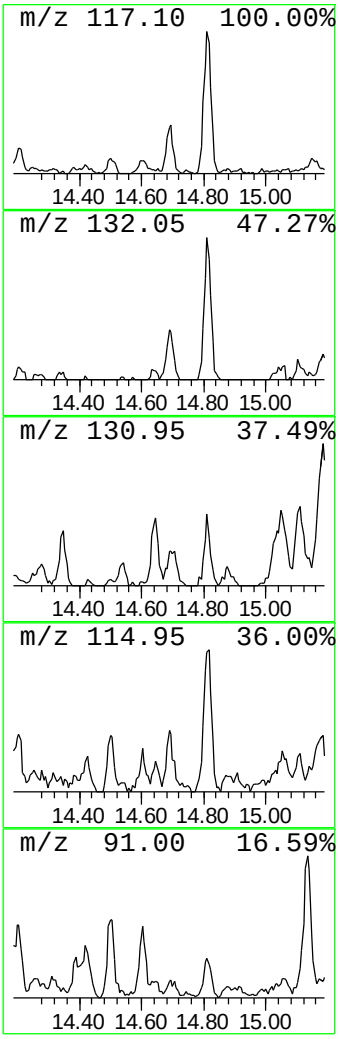
****

Peak Number 33 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.73 ug/L	25342	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	80
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	72
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

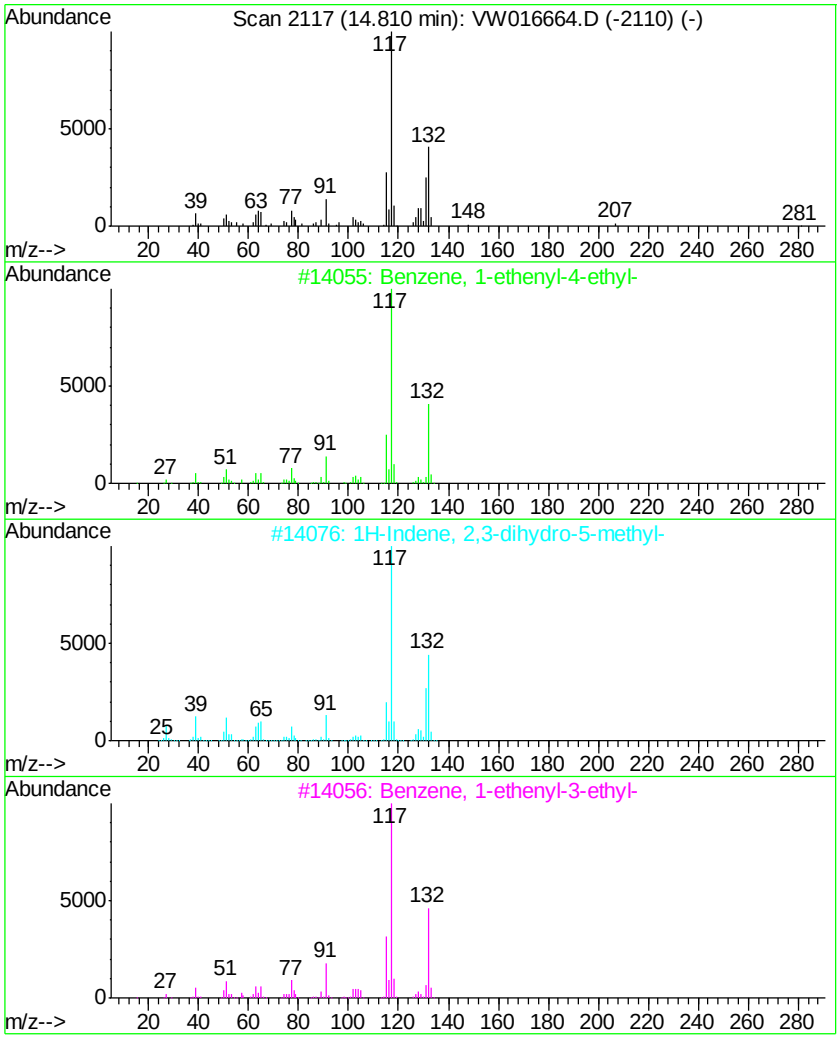
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

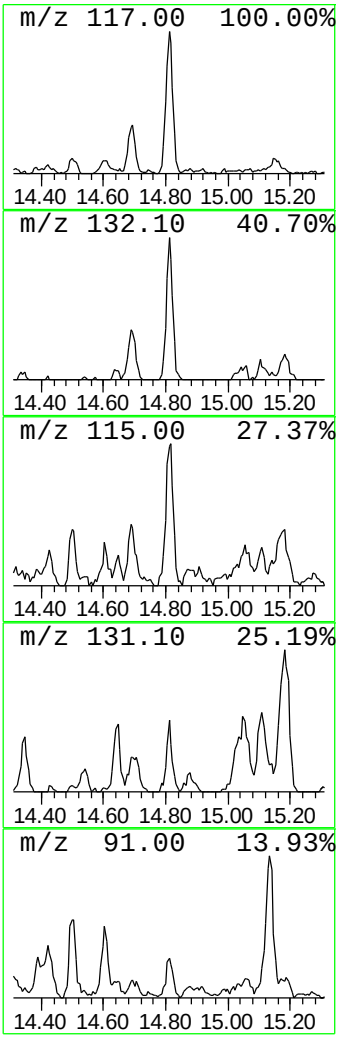
****

Peak Number 34 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.07 ug/L	47058	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

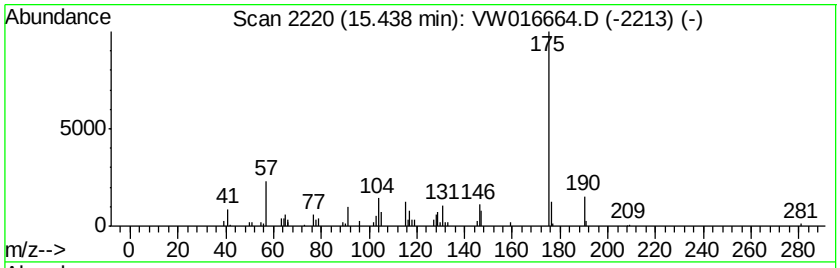
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

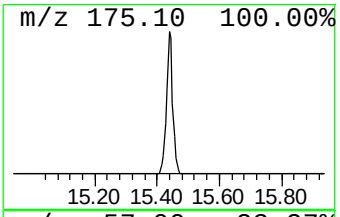
****

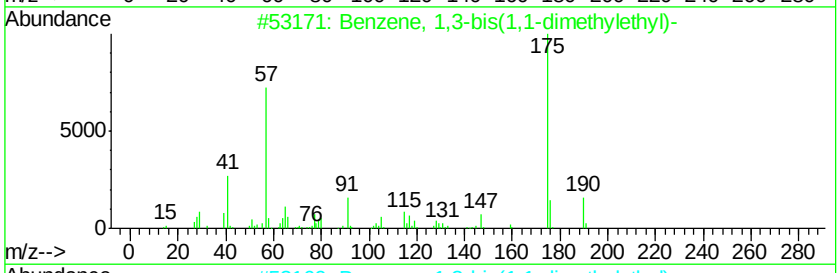
Peak Number 35 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 17

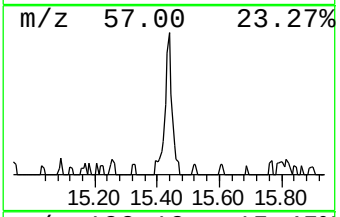
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	3.28 ug/L	30393	1,4-Dichlorobenzene-d4	13.56

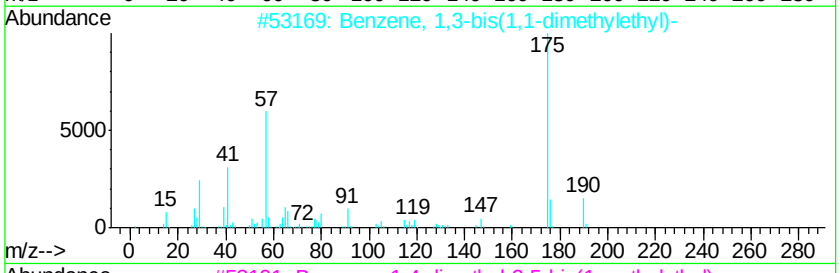
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	76
2	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	70
3	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	59
4	Methanamine, 5-phenyl-1,3,4-oxad...	175	C9H9N3O	046182-58-5	59
5	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	58

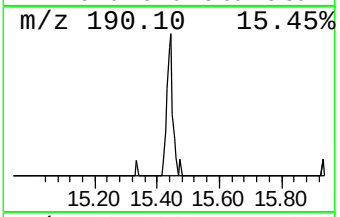


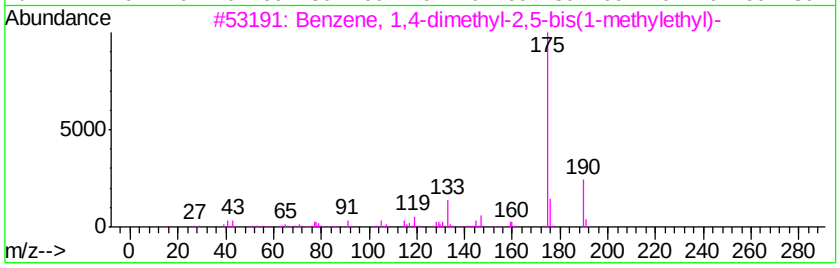


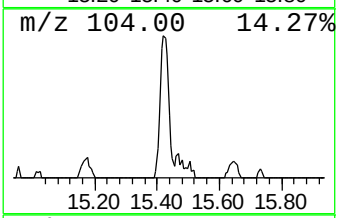


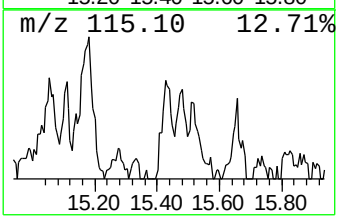












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

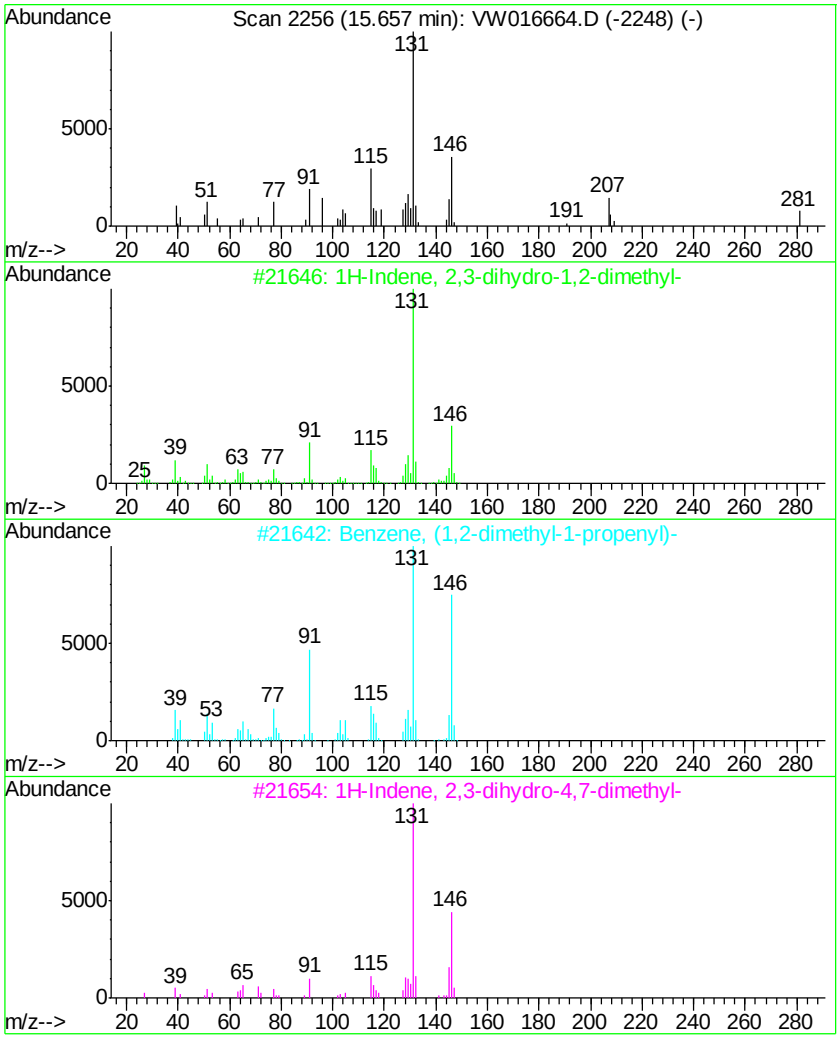
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

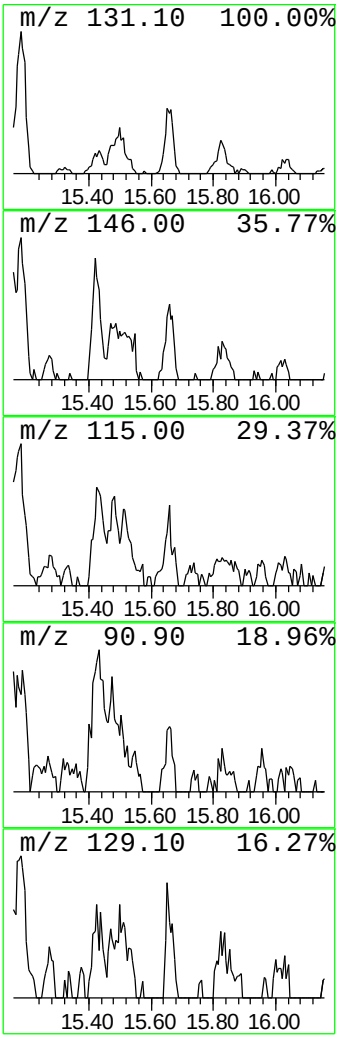
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	1.53 ug/L	14156	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.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...	5.45	14.4	ug/L	104637	1	8.85	181497	25.0
(DEL) Alkane: Str...	5.95	3.0	ug/L	22139	1	8.85	181497	25.0
(DEL) Alkane: Str...	6.73	15.1	ug/L	109825	1	8.85	181497	25.0
(DEL) Alkane: Str...	6.88	14.3	ug/L	103578	1	8.85	181497	25.0
(DEL) Alkane: Str...	9.08	2.6	ug/L	19242	1	8.85	181497	25.0
(DEL) Alkane: Cyc...	9.61	1.6	ug/L	11563	1	8.85	181497	25.0
(DEL) Alkane: Cyc...	9.76	2.3	ug/L	16564	1	8.85	181497	25.0
(DEL) Alkane: Str...	9.90	1.5	ug/L	10713	1	8.85	181497	25.0
(DEL) Alkane: Str...	10.08	1.4	ug/L	10195	1	8.85	181497	25.0
2,4-Dimethyl-1,5-...	10.49	3.5	ug/L	29839	2	11.63	215062	25.0
(DEL) Alkane: Cyc...	10.67	8.8	ug/L	75256	2	11.63	215062	25.0
Arsenous acid, tr...	10.71	4.2	ug/L	36080	2	11.63	215062	25.0
(DEL) Alkane: Cyc...	10.76	3.7	ug/L	32167	2	11.63	215062	25.0
unknown-01	11.07	1.7	ug/L	14953	2	11.63	215062	25.0
(DEL) Alkane: Cyc...	11.15	1.6	ug/L	13343	2	11.63	215062	25.0
(DEL) Alkane: Cyc...	11.23	3.3	ug/L	28450	2	11.63	215062	25.0
unknown-02	12.79	1.9	ug/L	17273	3	13.56	232000	25.0
(DEL) Alkane: Str...	12.94	1.6	ug/L	14878	3	13.56	232000	25.0
Benzene, 1-methyl...	13.38	2.5	ug/L	23150	3	13.56	232000	25.0
Benzene, 1,4-diet...	13.72	5.7	ug/L	53128	3	13.56	232000	25.0
unknown-03	13.76	1.7	ug/L	15471	3	13.56	232000	25.0
Benzoic acid, 2-[...	14.07	4.3	ug/L	39718	3	13.56	232000	25.0
Benzene, 1,3-diet...	14.20	7.5	ug/L	69938	3	13.56	232000	25.0
unknown-04	14.27	3.0	ug/L	27965	3	13.56	232000	25.0
Benzene, pentamet...	14.32	1.6	ug/L	14434	3	13.56	232000	25.0
Benzene, (1-ethyl...	14.38	1.4	ug/L	13012	3	13.56	232000	25.0
Benzene, 1,2,3,4-...	14.42	4.0	ug/L	36650	3	13.56	232000	25.0
o-Cymene	14.50	5.4	ug/L	50241	3	13.56	232000	25.0
Benzene, 1-methyl...	14.60	3.3	ug/L	30157	3	13.56	232000	25.0
1H-Indene, 2,3-di...	14.69	2.7	ug/L	25342	3	13.56	232000	25.0
Benzene, 1-etheny...	14.81	5.1	ug/L	47058	3	13.56	232000	25.0
Benzene, 1,3-bis(...	15.44	3.3	ug/L	30393	3	13.56	232000	25.0
1H-Indene, 2,3-di...	15.66	1.5	ug/L	14156	3	13.56	232000	25.0