LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

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\SOM2WLM032520S.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	2.355	66	74	82	rBV	217516	411043	0.08%	0.006%
2	2.891	156	162	176	rVB	162619	392247	0.07%	0.006%
3	4.019	335	347	360	rBV2	268617	841937	0.15%	0.012%
4	4.129	361	365	378	rVV	19153	55062	0.01%	0.001%
5	4.422	402	413	421	rBV4	12781	50941	0.01%	0.001%
6	4.915	482	494	498	rBV6	23344	84809	0.02%	0.001%
7	5.446	563	581	602	rBV2	116071	473474	0.09%	0.007%
8	5.940	653	662	673	rVB4	10570	36286	0.01%	0.001%
9	6.726	775	791	805	rBV2	148785	599454	0.11%	0.009%
10	6.878	805	816	827	rVV2	334943	1196850	0.22%	0.017%
11	6.982	827	833	843	rVV2	180858	589234	0.11%	0.008%
12	7.080	843	849	854	rVV	75681	214730	0.04%	0.003%
13	7.159	854	862	884	rVB4	108831	496611	0.09%	0.007%
14	7.647	932	942	947	rBV	421141	1107450	0.20%	0.016%
15	7.702	947	951	971	rVB	311956	962406	0.18%	0.014%
16	7.958	980	993	999	rBV	746468	2130188	0.39%	0.030%
17	8.037	999	1006	1020	rVB	2854482	7819857	1.44%	0.111%
18	8.159	1020	1026	1029	rBV	283910	588022	0.11%	0.008%
19	8.226	1029	1037	1042	rBV	1519695	4024215	0.74%	0.057%
20	8.433	1059	1071	1078	rBV2	5952334	15812102	2.91%	0.224%
21	8.512	1078	1084	1089	rVV	4958143	12232631	2.25%	0.174%
22	8.579	1089	1095	1110	rVB	7260537	18446971	3.39%	0.262%
23	8.842	1130	1138	1150	rVB	908338	1772099	0.33%	0.025%
24	9.073	1170	1176	1180	rBV2	40352	83503	0.02%	0.001%
25	9.152	1180	1189	1202	rVB	2514121	6012110	1.11%	0.085%
26	9.335	1202	1219	1225	rBV2	46858119	136977735	25.20%	1.943%
27	9.390	1225	1228	1237	rVB	13985051	26563513	4.89%	0.377%
28	9.476	1237	1242	1243	rBV	529767	799248	0.15%	0.011%
29	9.518	1243	1249	1254	rVB	3540880	6067560	1.12%	0.086%
30	9.610	1254	1264	1278	rVB2	22206782	58594323	10.78%	0.831%
31	9.756	1279	1288	1299	rBV2	30167765	65010783	11.96%	0.922%
32	9.902	1299	1312	1317	rBV	13988293	32166557	5.92%	0.456%
33	9.945	1317	1319	1330	rVB	7205152	12672688	2.33%	0.180%
34	10.085	1334	1342	1346	rBV	17785433	38708031	7.12%	0.549%

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ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Title : VOC Analysis

35	10.134	1346	1350	1358	rVB	13537889	28310406	5.21%	0.402%
36	10.250	1358	1369	1375	rBV4	6877999	23810644	4.38%	0.338%
37	10.329	1375	1382	1386	rBV3	101154171	218252473	40.15%	3.096%
38	10.451	1396	1402	1404	rBV2	9895183	16871431	3.10%	0.239%
39	10.506	1404	1411	1420	rVB2	44385284	121440339	22.34%	1.723%
40	10.628	1420	1431	1433	rBV2	17908314	37096009	6.82%	0.526%
41	10.670	1433	1438	1446	rVB2	91124069	177482210	32.65%	2.517%
42	10.768	1446	1454	1459	rBV2	42251357	97479194	17.93%	1.383%
43	10.853	1464	1468	1474	rVB	23539079	41558263	7.65%	0.589%
44	10.945	1474	1483	1490	rBV2	54189271	116137899	21.37%	1.647%
45	11.048	1493	1500	1508	rBV2	38803200	92654687	17.05%	1.314%
46	11.183	1508	1522	1527	rBV4	83182205	243858832	44.86%	3.459%
47	11.244	1527	1532	1537	rVB2	120745326	230243007	42.36%	3.266%
48	11.292	1537	1540	1544	rVB	17248278	20443372	3.76%	0.290%
49	11.347	1544	1549	1554	rBV2	73497486	139918847	25.74%	1.985%
50	11.445	1560	1565	1572	rVB2	82255472	157978091	29.06%	2.241%
51	11.512	1572	1576	1581	rBV	17191392	30568461	5.62%	0.434%
52	11.561	1581	1584	1590	rVB5	6708376	10728933	1.97%	0.152%
53	11.622	1590	1594	1598	rVB3	4969460	7914933	1.46%	0.112%
54	11.676	1598	1603	1606	rBV	9143669	17268980	3.18%	0.245%
55	11.725	1606	1611	1615	rBV2	23763305	41698468	7.67%	0.591%
56	11.774	1615	1619	1623	rBV	38556538	67391526	12.40%	0.956%
57	11.823	1623	1627	1632	rBV4	26969468	46458161	8.55%	0.659%
58	11.890	1632	1638	1642	rBV6	125678160	305374532	56.18%	4.331%
59	11.987	1650	1654	1657	rBV2	17642691	34836317	6.41%	0.494%
60	12.048	1659	1664	1666	rBV	32652128	56228835	10.34%	0.798%
61	12.152	1674	1681	1688	rBV6	163185918	537817489	98.94%	7.628%
62	12.274	1698	1701	1705	rVB4	42644032	59108776	10.87%	0.838%
63	12.634	1755	1760	1765	rVB3	89579146	167033900	30.73%	2.369%
64	12.719	1765	1774	1778	rBV6	144061162	411858993	75.77%	5.842%
65	12.804	1782	1788	1793	rVB7	212019746	543569731	100.00%	7.710%
66	12.877	1793	1800	1805	rBV6	143510194	397210154	73.07%	5.634%
67	13.097	1831	1836	1839	rVB3	92584528	148232213	27.27%	2.103%
68	13.140	1839	1843	1846	rBV6	53318176	92370292	16.99%	1.310%
69	13.280	1863	1866	1867	rBV3	38242272	44019982	8.10%	0.624%
70	13.310	1868	1871	1874	rBV4	50126944	74838446	13.77%	1.062%
71	13.390	1882	1884	1888	rVB5	56238064	73225487	13.47%	1.039%

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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

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Title : VOC Analysis

72	13.603	1915	1919	1922	rVB4	35113792	43551978	8.01%	0.618%
73	13.652	1922	1927	1931	rBV4	25359608	57855890	10.64%	0.821%
74	13.719	1931	1938	1943	rVV5	72214050	158142262	29.09%	2.243%
75	13.883	1960	1965	1977	rVB7	189145920	529028253	97.32%	7.504%
76	13.987	1977	1982	1986	rBV3	51411328	91916625	16.91%	1.304%
77	14.103	1996	2001	2008	rVB	102501060	191126009	35.16%	2.711%
78	14.206	2013	2018	2024	rVB3	59632554	108410593	19.94%	1.538%
79	14.267	2024	2028	2034	rVB4	41925084	68168233	12.54%	0.967%
80	14.347	2034	2041	2044	rBV3	21384008	42653889	7.85%	0.605%
81	14.389	2044	2048	2051	rVV	77237523	117296008	21.58%	1.664%
82	14.420	2051	2053	2061	rVB2	64443305	94741014	17.43%	1.344%
83	14.499	2061	2066	2068	rBV2	7434663	11856580	2.18%	0.168%
84	14.554	2068	2075	2080	rVV3	41148306	71443774	13.14%	1.013%
85	14.603	2080	2083	2088	rVB4	7771463	11538802	2.12%	0.164%
86	14.694	2095	2098	2102	rBV3	1576208	2608016	0.48%	0.037%
87	14.737	2102	2105	2109	rVV3	2421023	3909332	0.72%	0.055%
88	14.792	2109	2114	2121	rVV2	20725802	41018969	7.55%	0.582%
89	14.853	2121	2124	2130	rVB3	4779458	7998678	1.47%	0.113%
90	14.968	2141	2143	2145	rBV3	477894	574647	0.11%	0.008%
91	15.005	2145	2149	2153	rVV	2608804	4121187	0.76%	0.058%
92	15.164	2172	2175	2182	rVB3	1539468	3140905	0.58%	0.045%
93	15.267	2187	2192	2196	rVV3	775413	1401821	0.26%	0.020%
94	15.316	2196	2200	2207	rVB2	612444	1192274	0.22%	0.017%
95	15.407	2209	2215	2220	rBV6	369722	770732	0.14%	0.011%
96	15.633	2248	2252	2253	rBV4	40347	61627	0.01%	0.001%
97	15.731	2264	2268	2276	rVB6	103304	209322	0.04%	0.003%
98	16.273	2355	2357	2367	rVB8	13542	31143	0.01%	0.000%
99	16.438	2378	2384	2395	rVB3	31730	75038	0.01%	0.001%
100	16.633	2412	2416	2427	rVB4	16907	44591	0.01%	0.001%

Sum of corrected areas: 7050173175

LSC Report - Integrated Chromatogram

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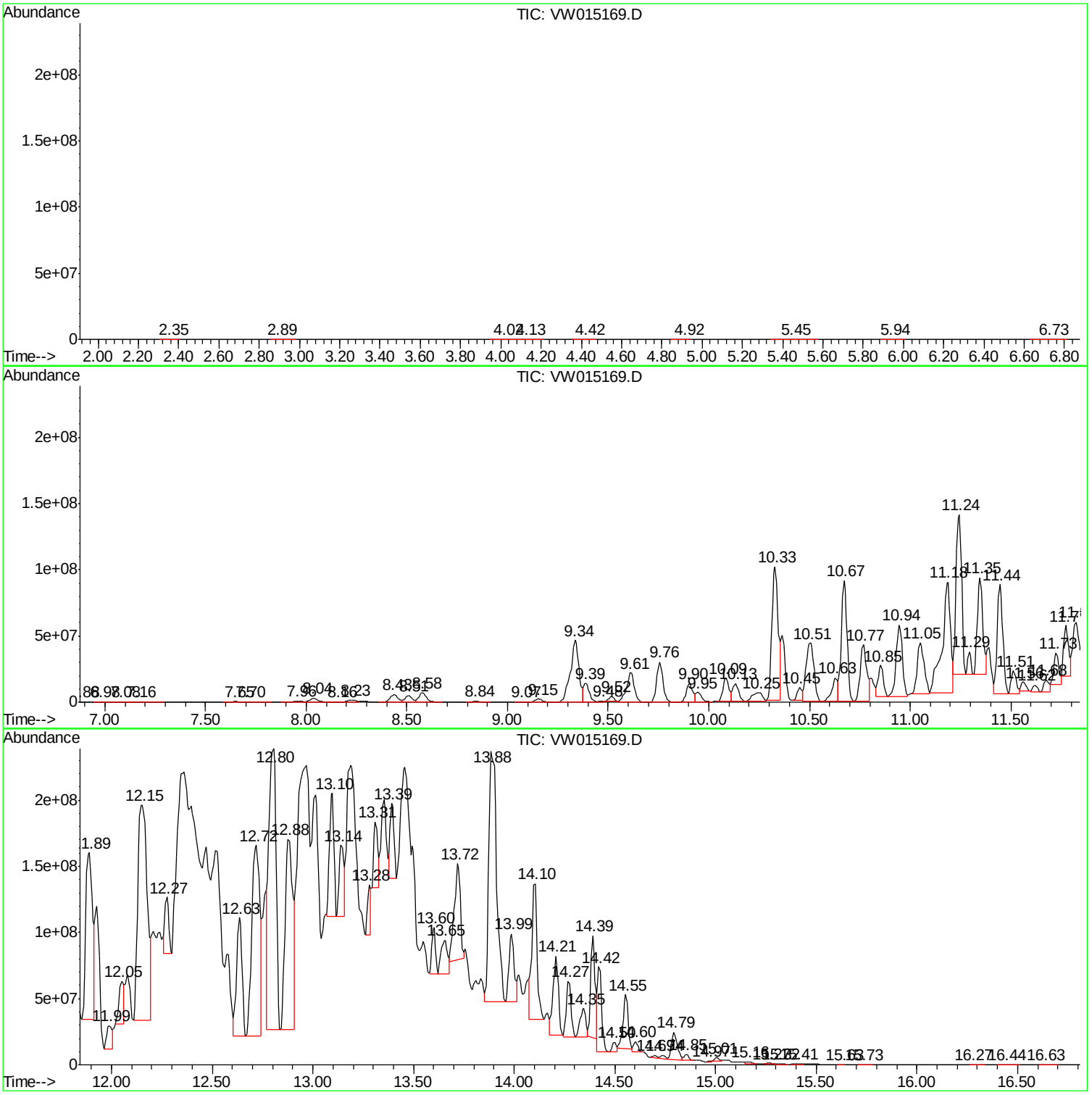
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

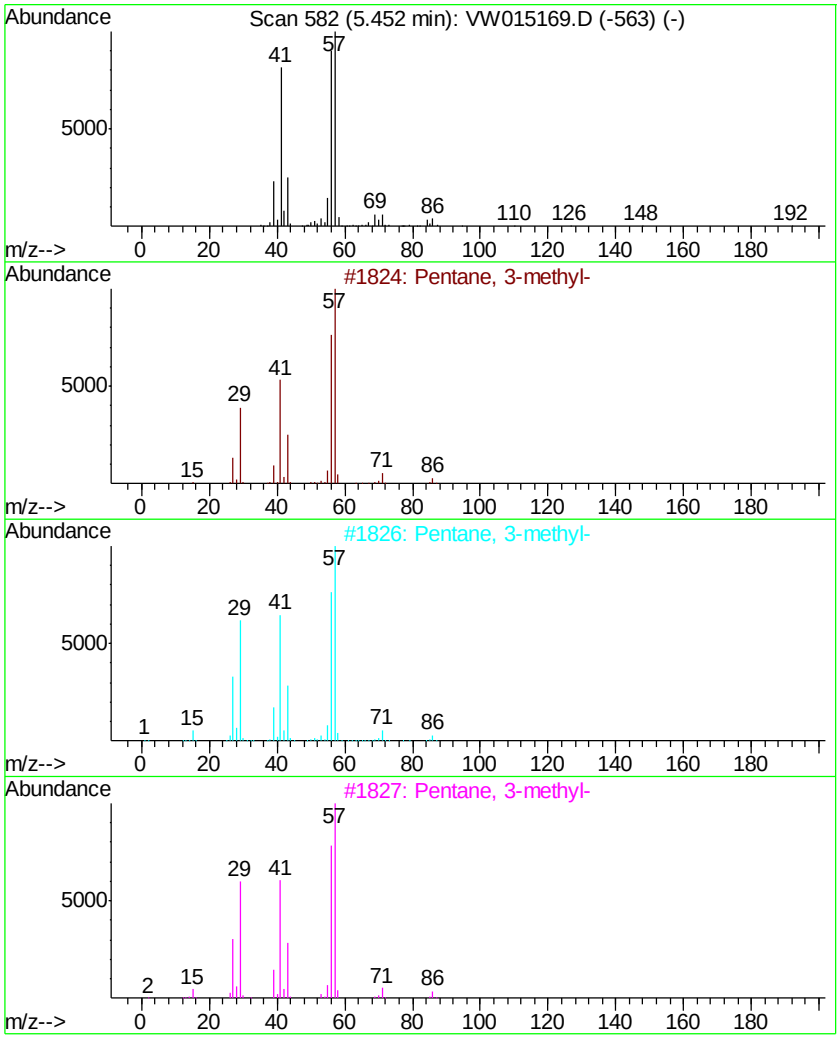
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

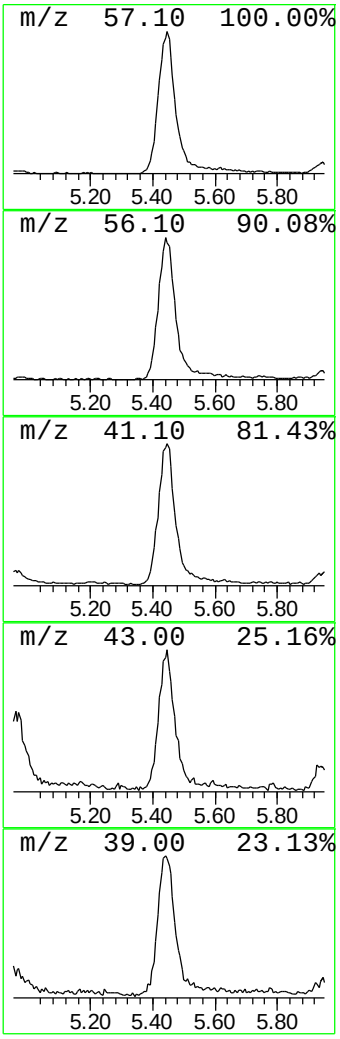
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	6.68 ug/L	473474	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	56





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Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

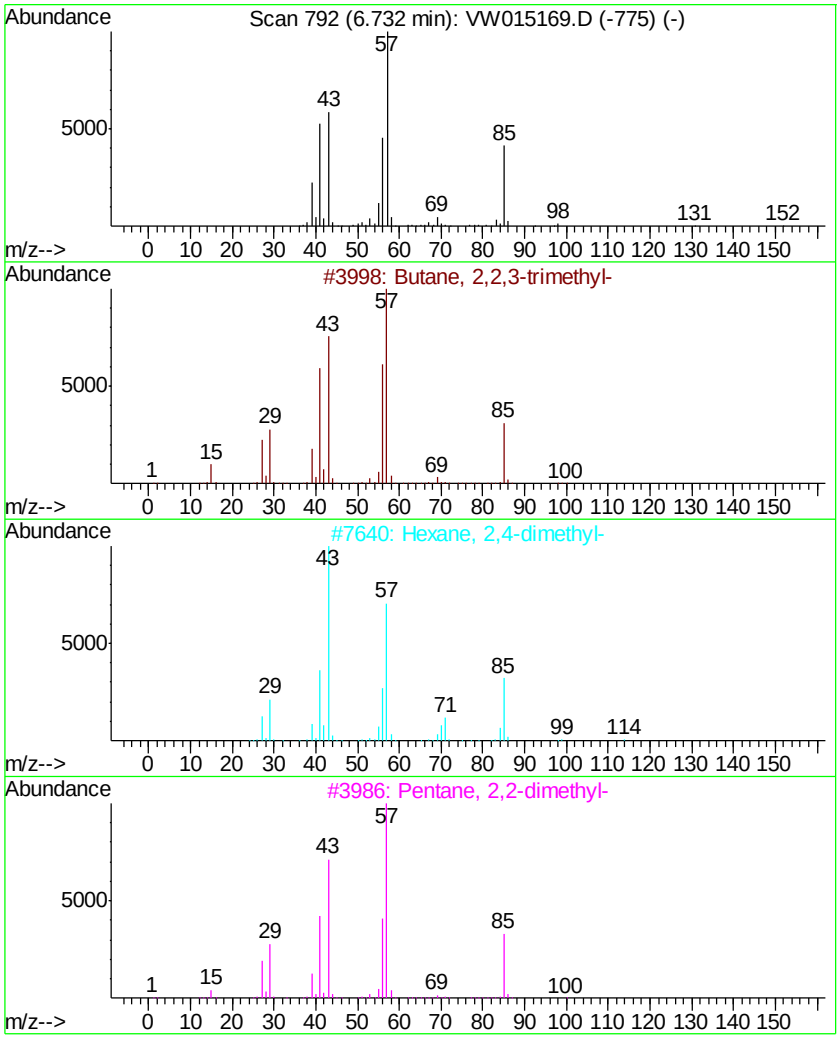
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

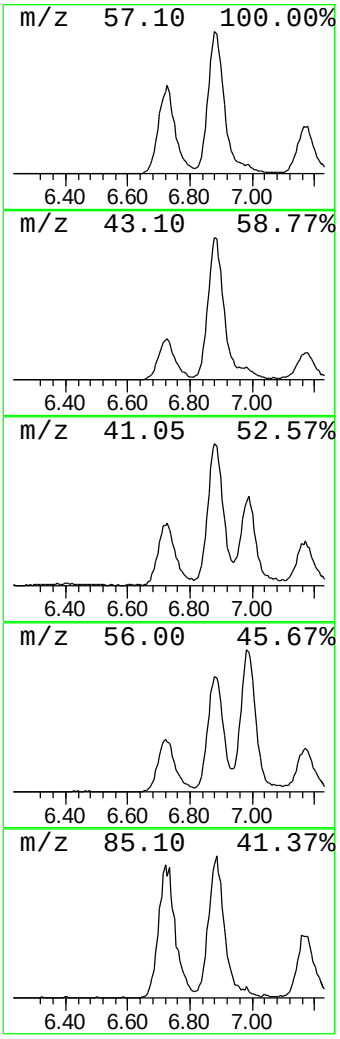
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	8.46 ug/L	599454	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78





Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : BG2J0

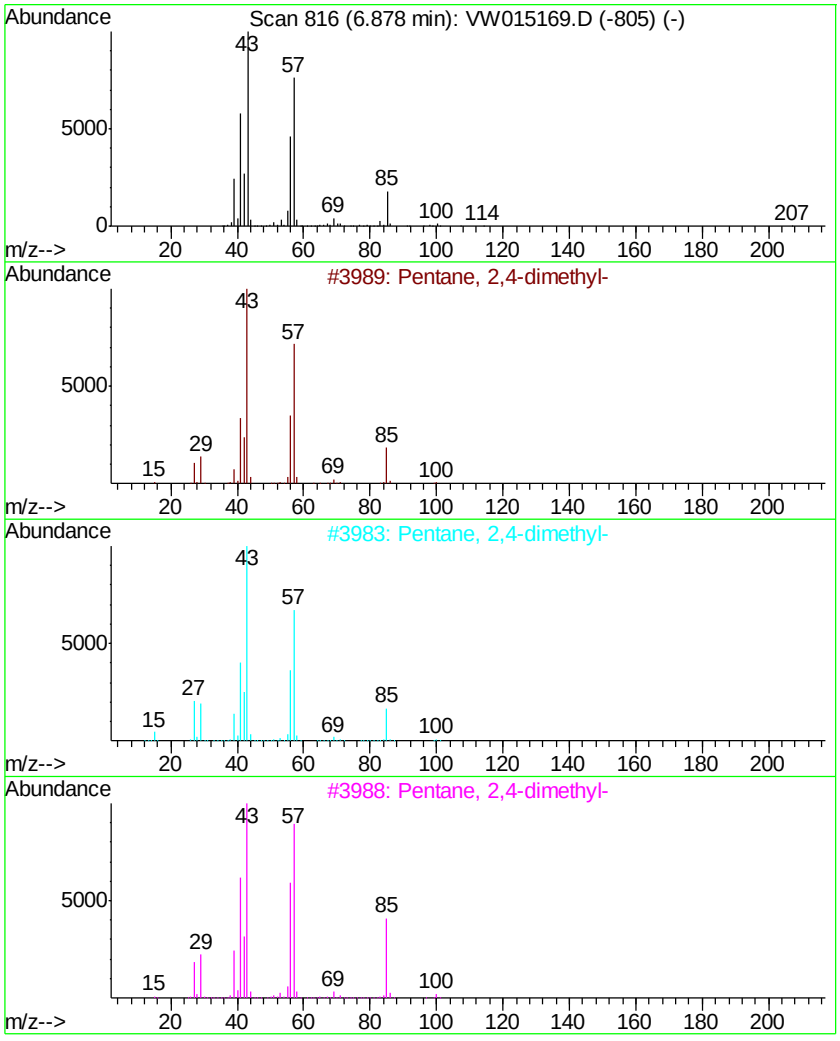
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

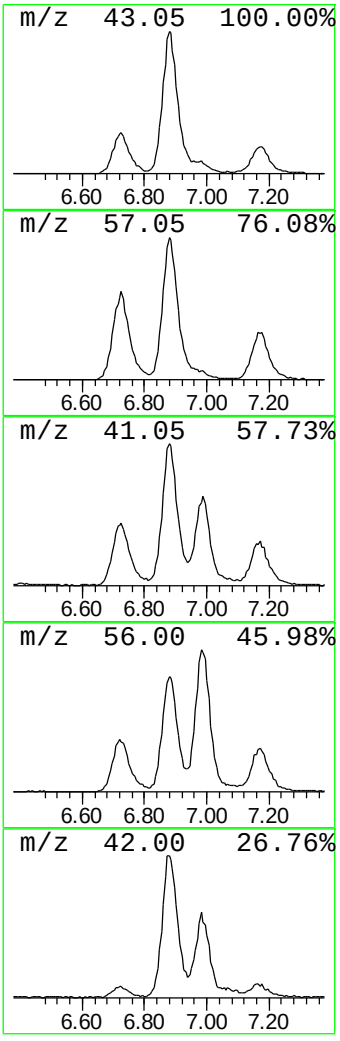
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	16.88 ug/L	1196850	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	n-Hexane	86	C6H14	000110-54-3	59





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Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

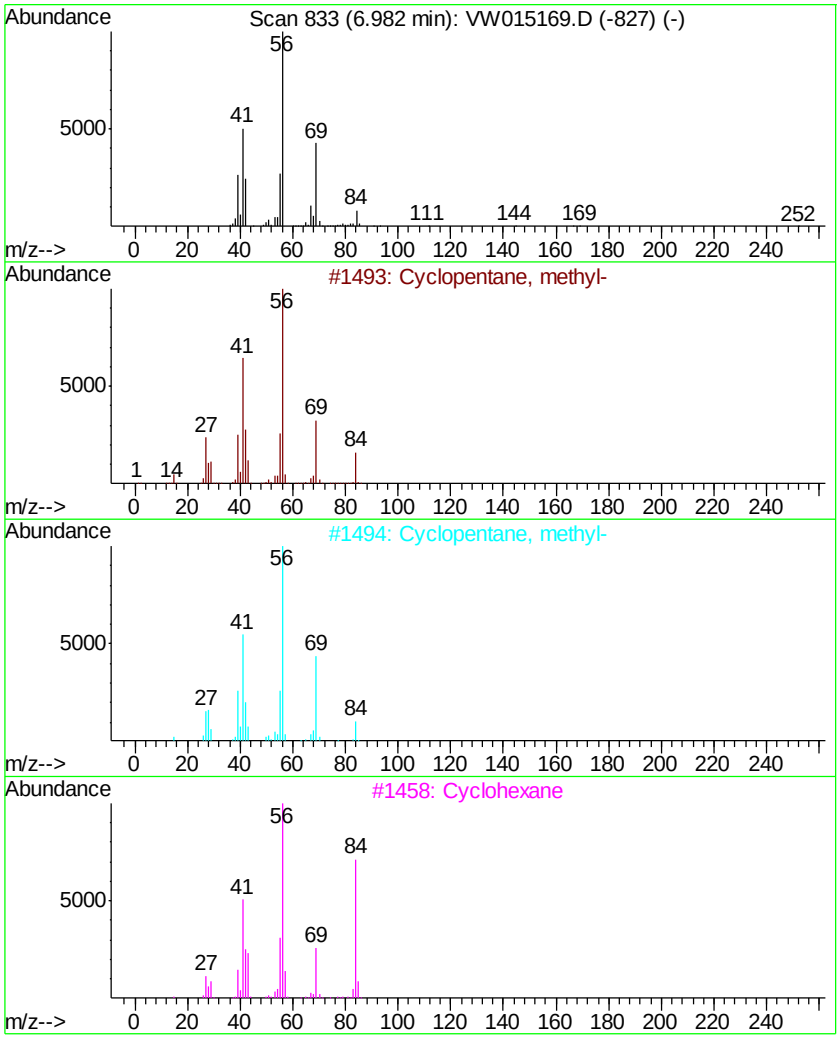
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

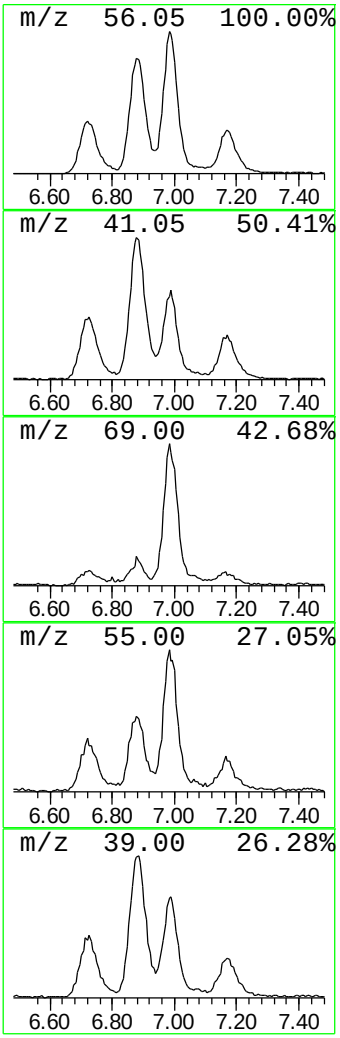
****

Peak Number 4 (DEL) Alkane: Cyclic6.98 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	8.31 ug/L	589234	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





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ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

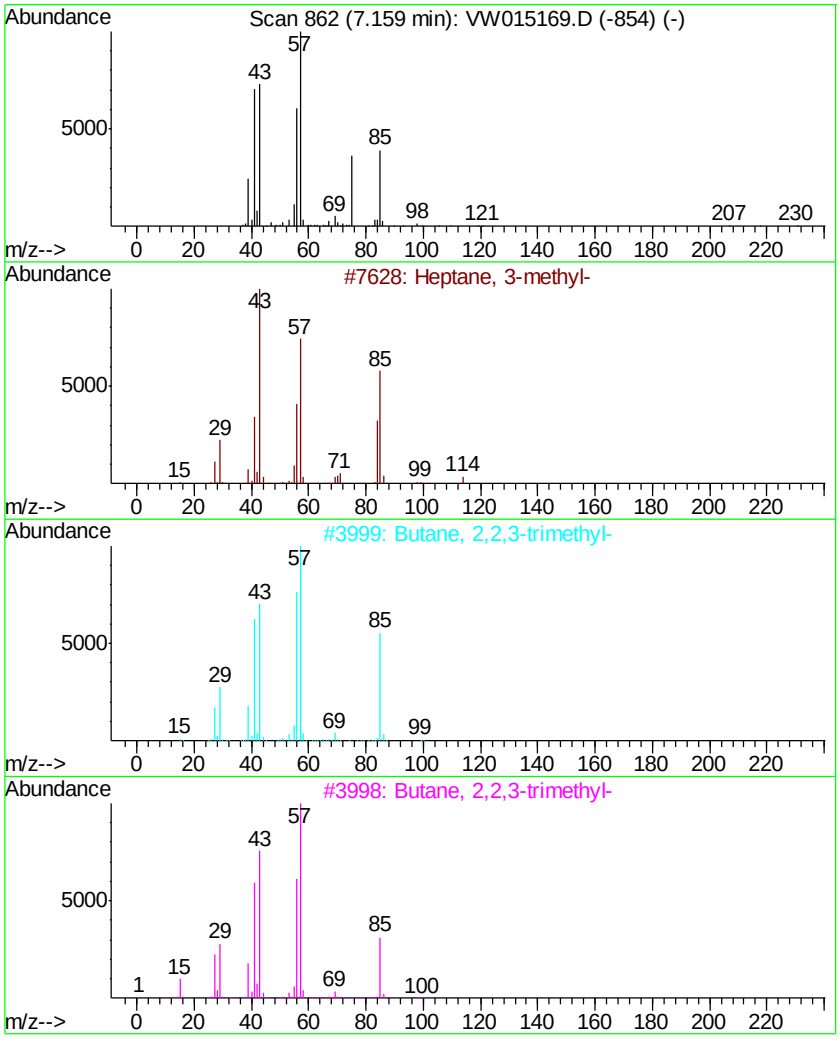
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

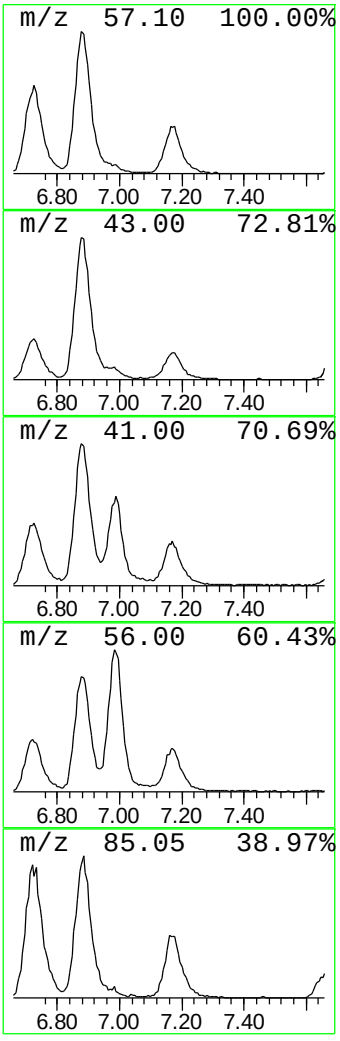
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	7.01 ug/L	496611	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	59
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

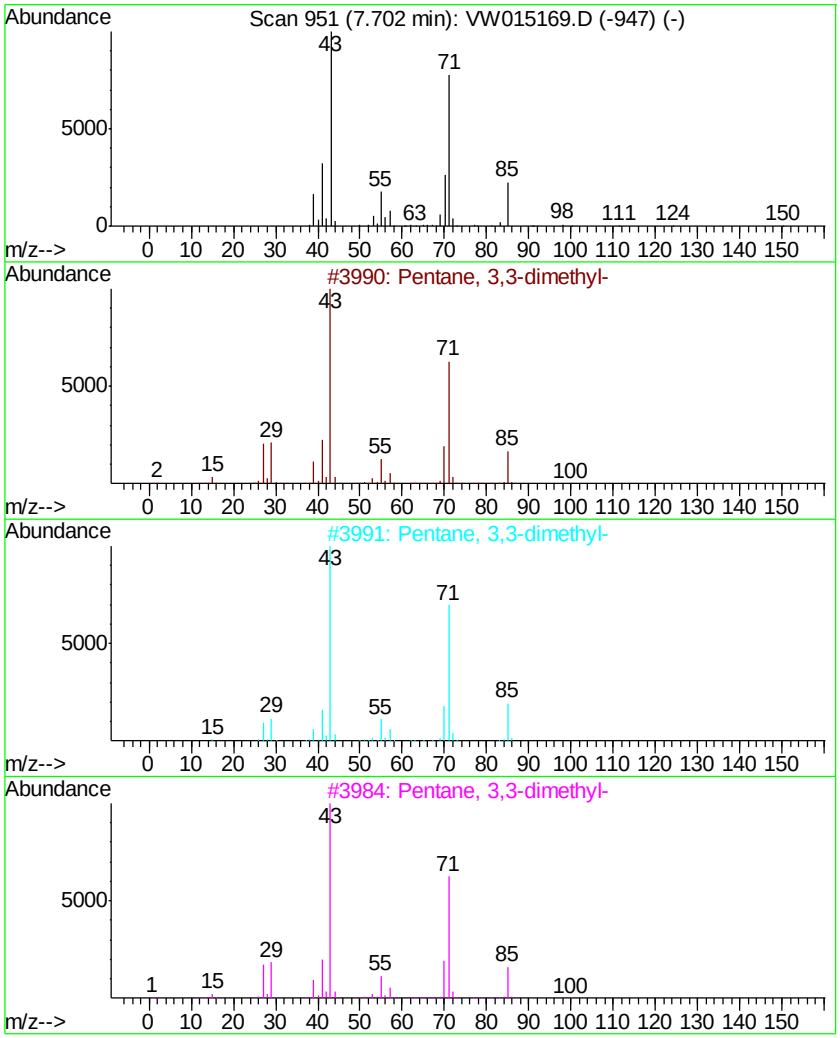
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

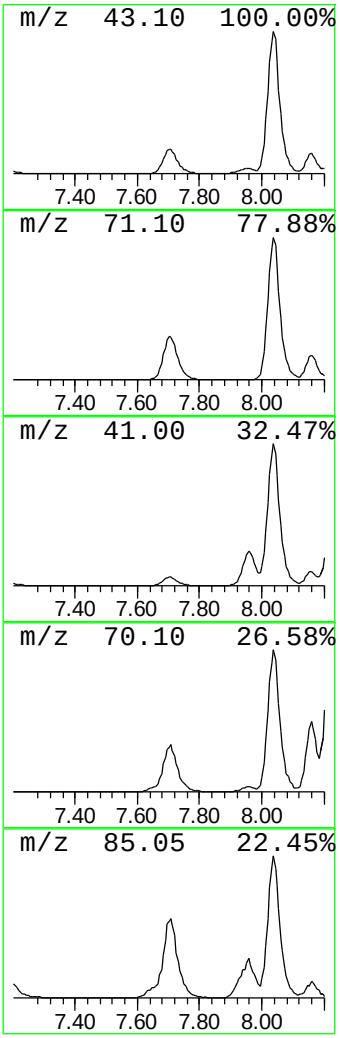
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	13.58 ug/L	962406	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	78
4	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	59
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

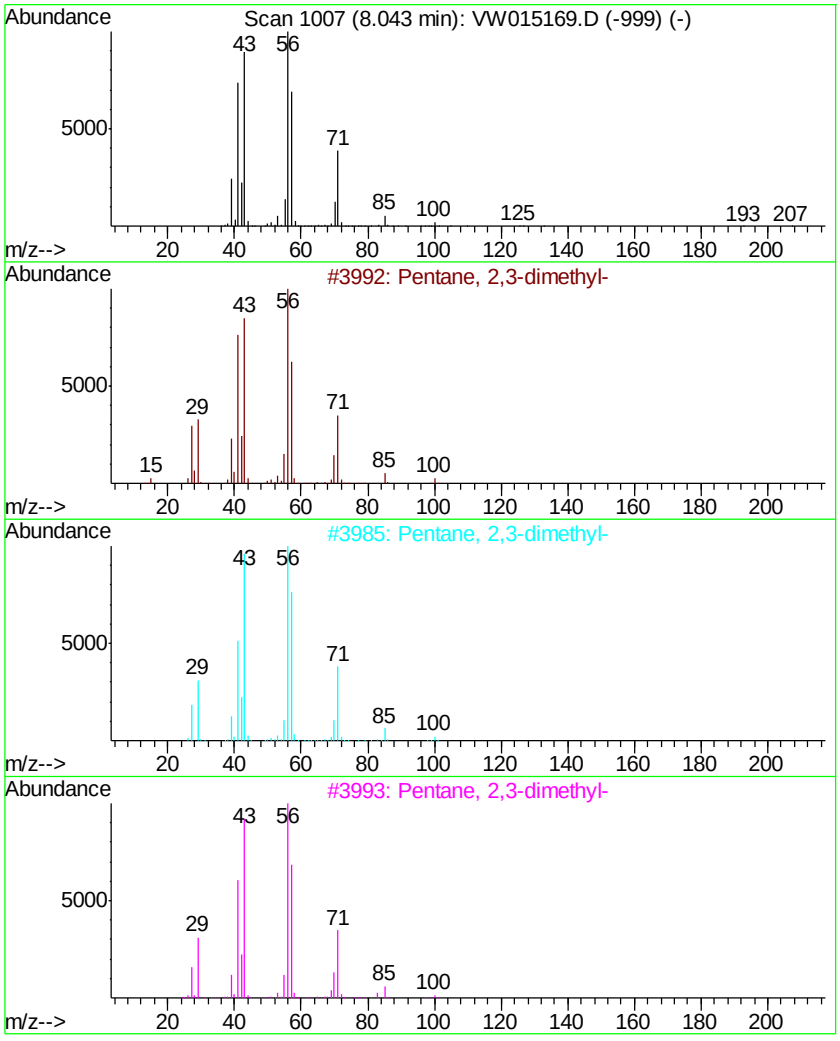
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

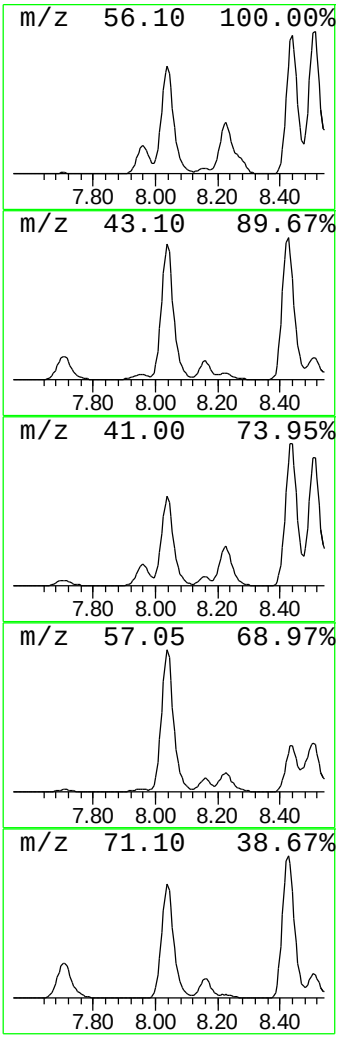
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	110.32 ug/L	7819860	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

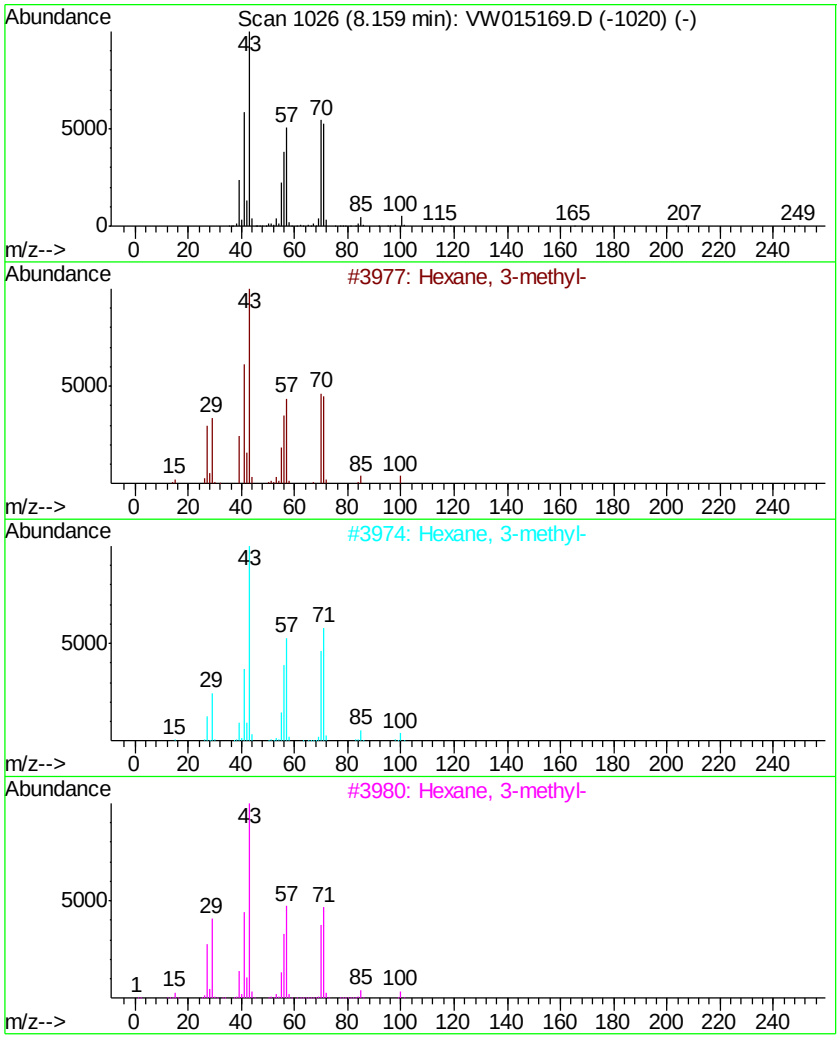
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

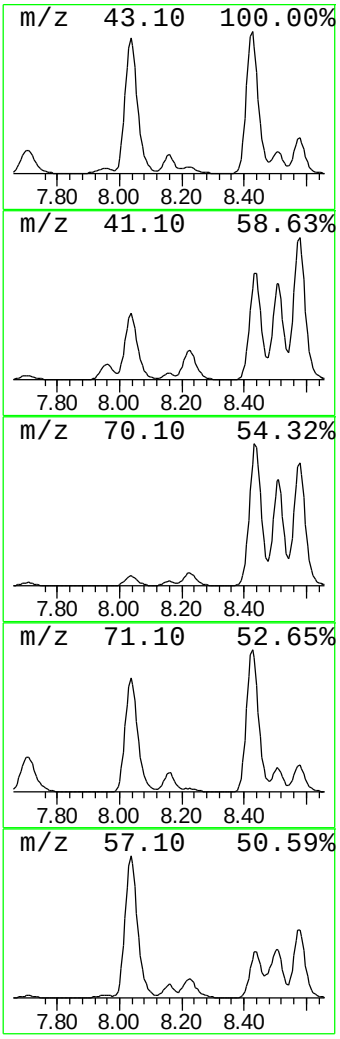
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	8.30 ug/L	588022	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

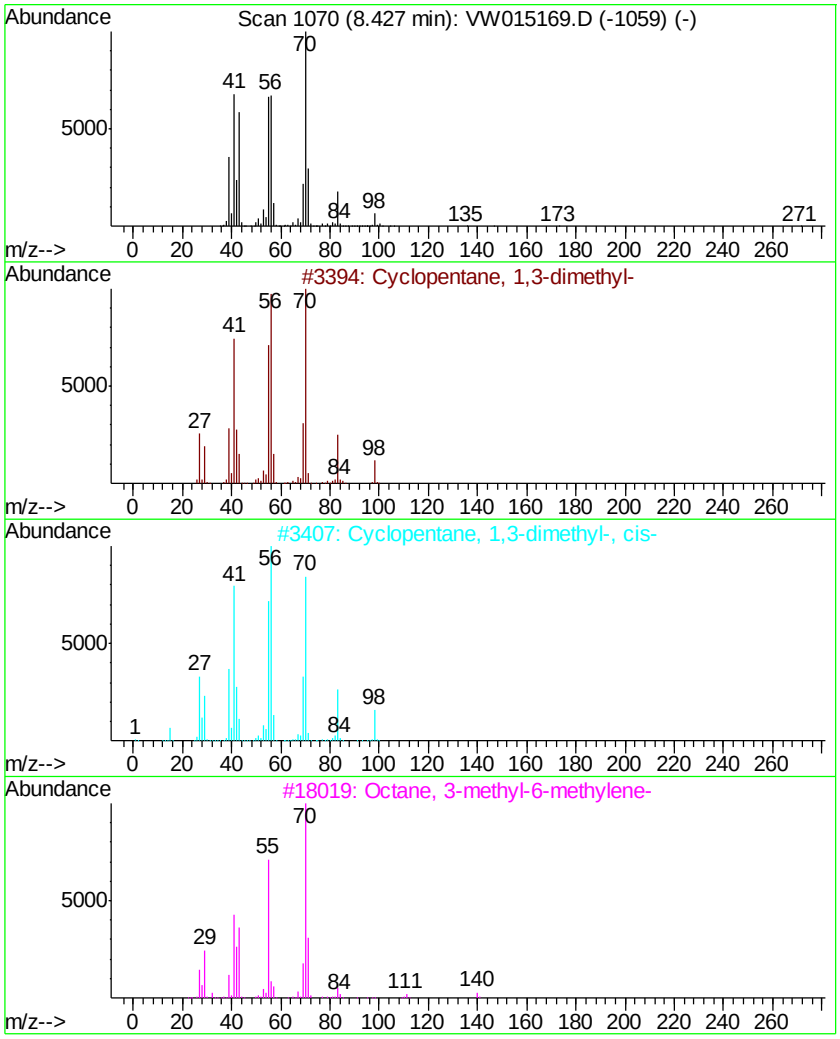
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

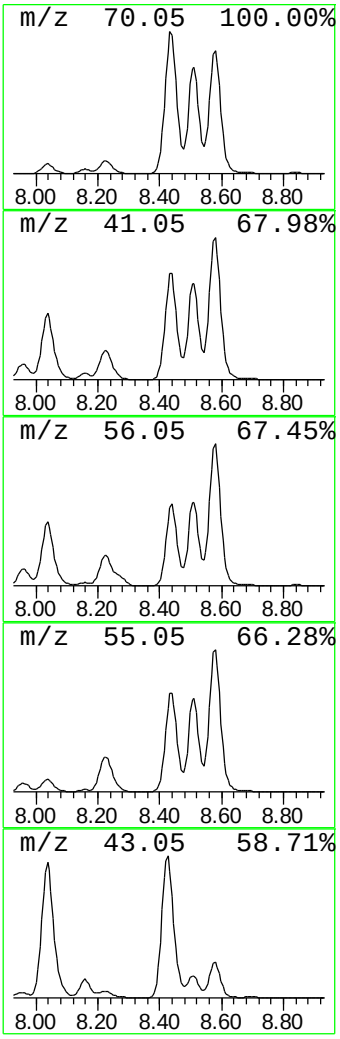
****

Peak Number 9 (DEL) Alkane: Cyclic8.43 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	223.07 ug/L	15812100	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	62
3	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	53
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	52
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

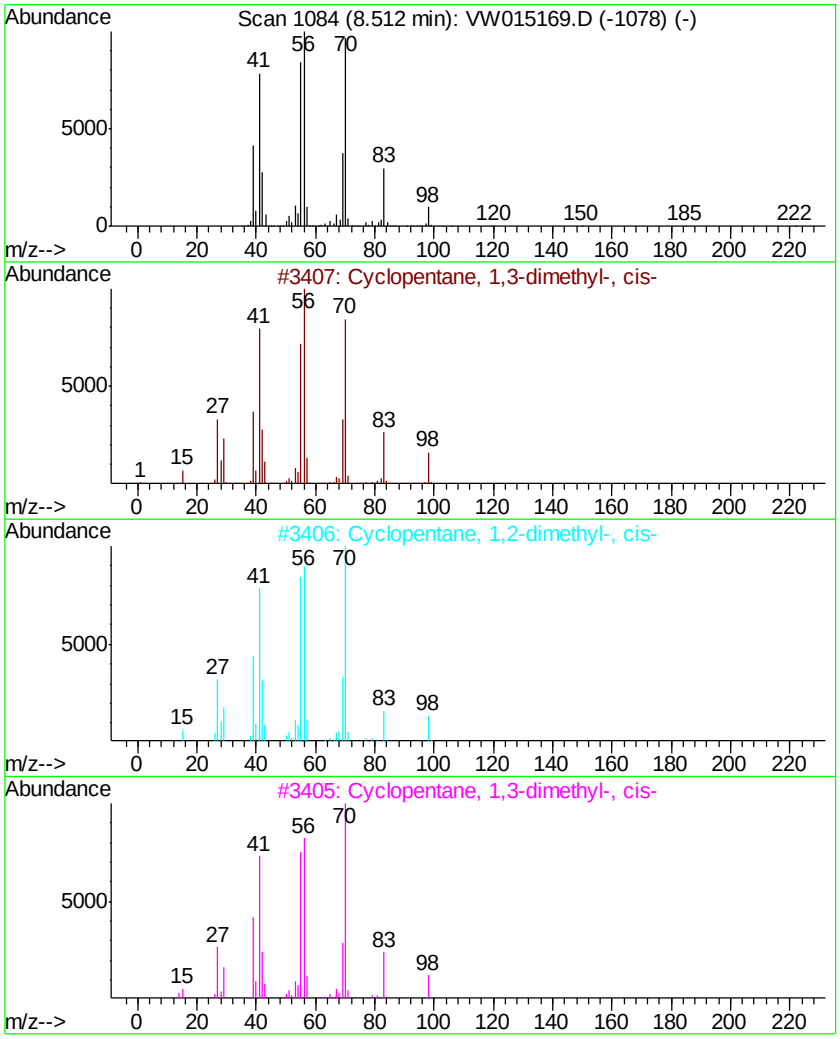
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

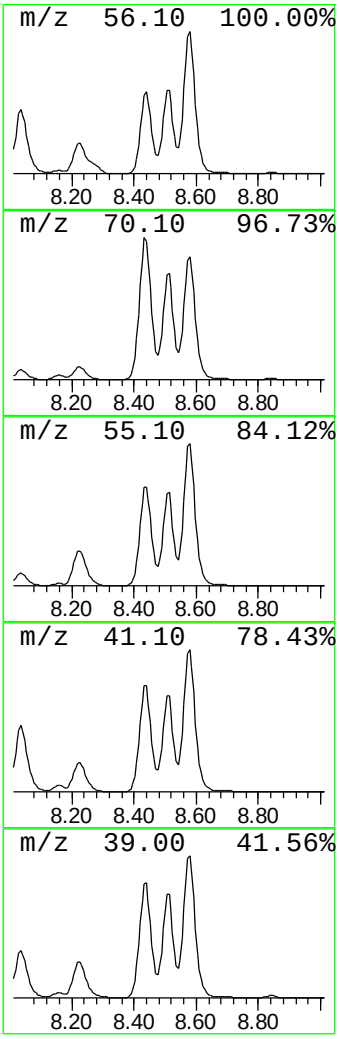
****

Peak Number 10 (DEL) Alkane: Cyclic8.51 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	172.57 ug/L	12232600	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

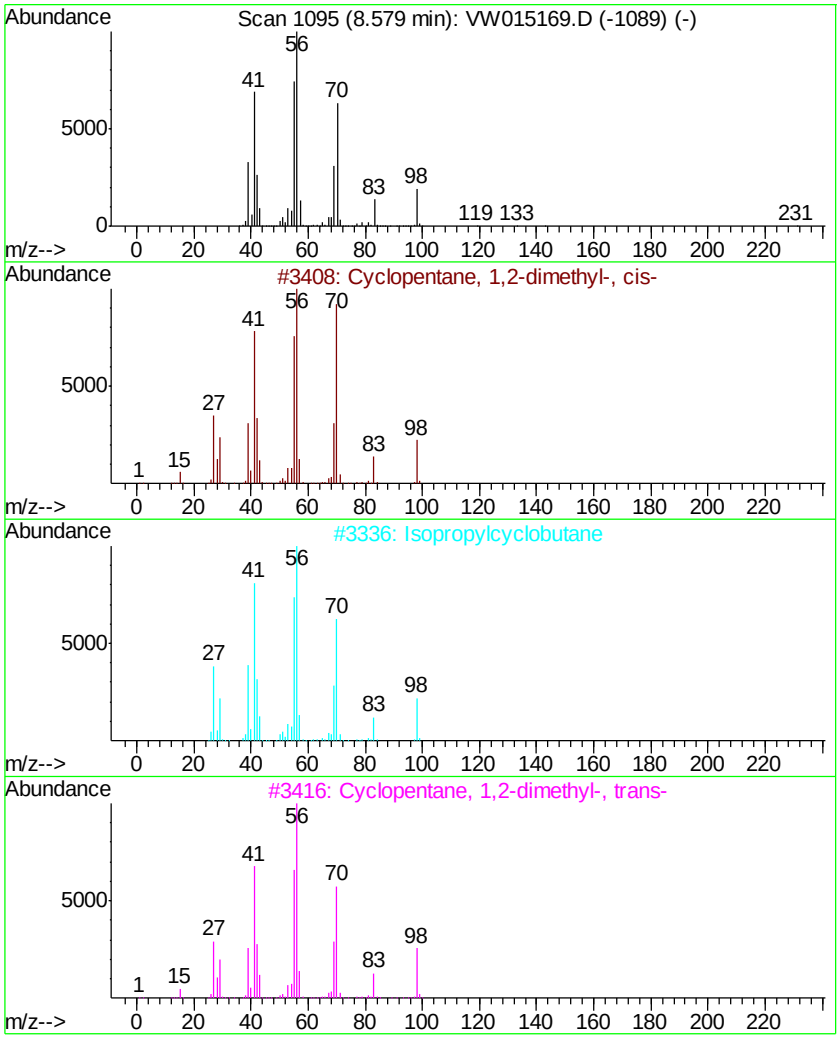
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

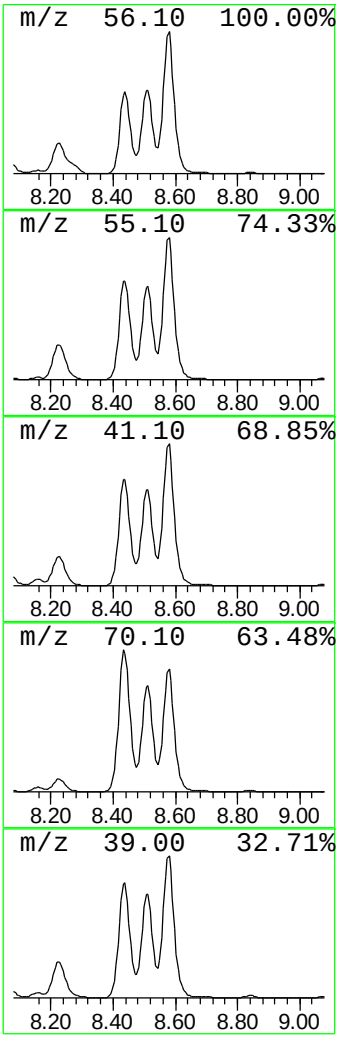
****

Peak Number 11 (DEL) Alkane: Cyclic8.58 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	260.24 ug/L	18447000	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	97
2	Isopropylcyclobutane	98	C7H14	000872-56-0	96
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	93
4	1-Heptene	98	C7H14	000592-76-7	86
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

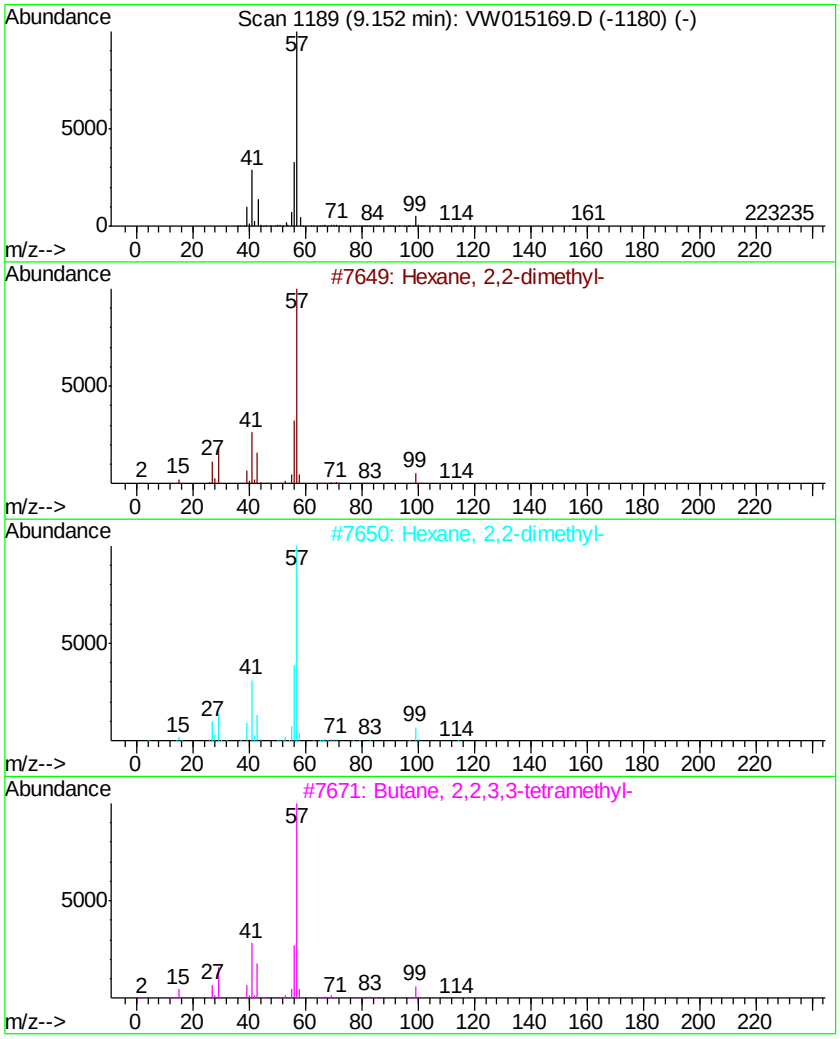
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

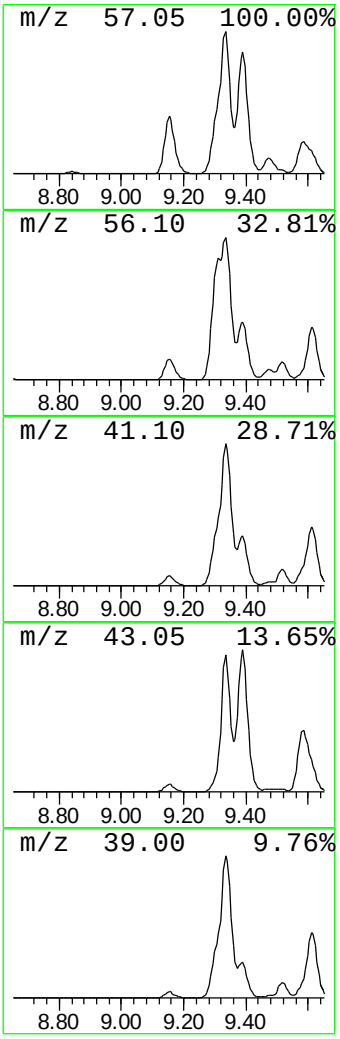
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	84.82 ug/L	6012110	1,4-Difluorobenzene	8.84

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





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

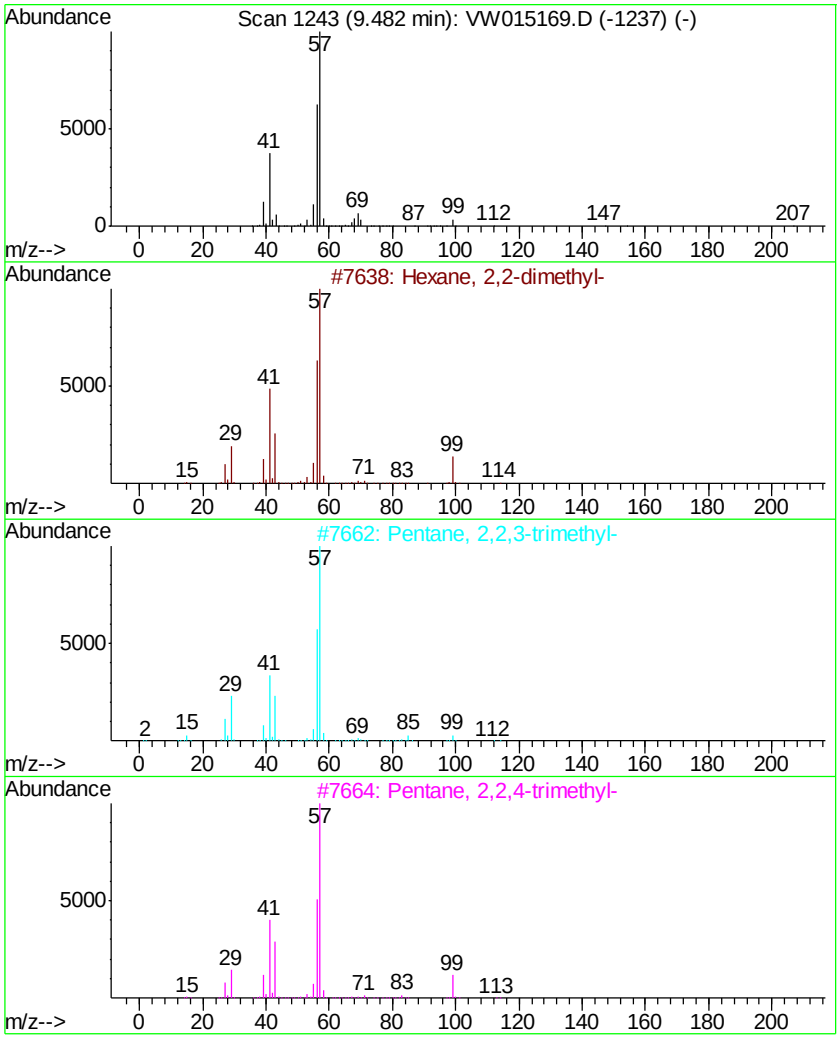
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

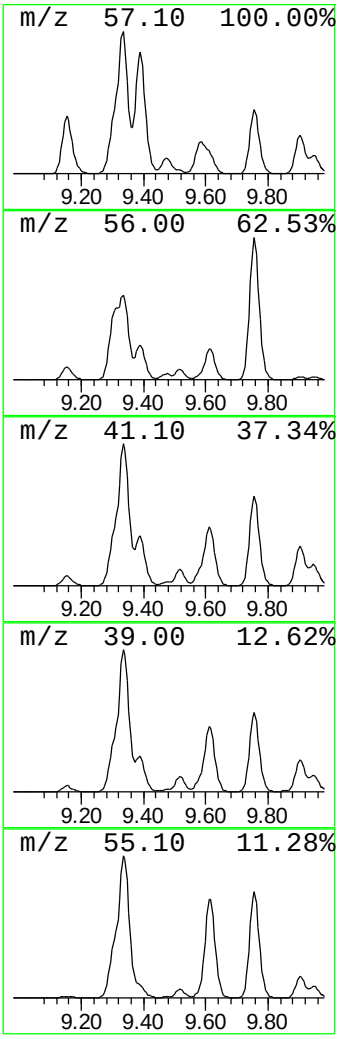
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	11.28 ug/L	799248	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	56





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

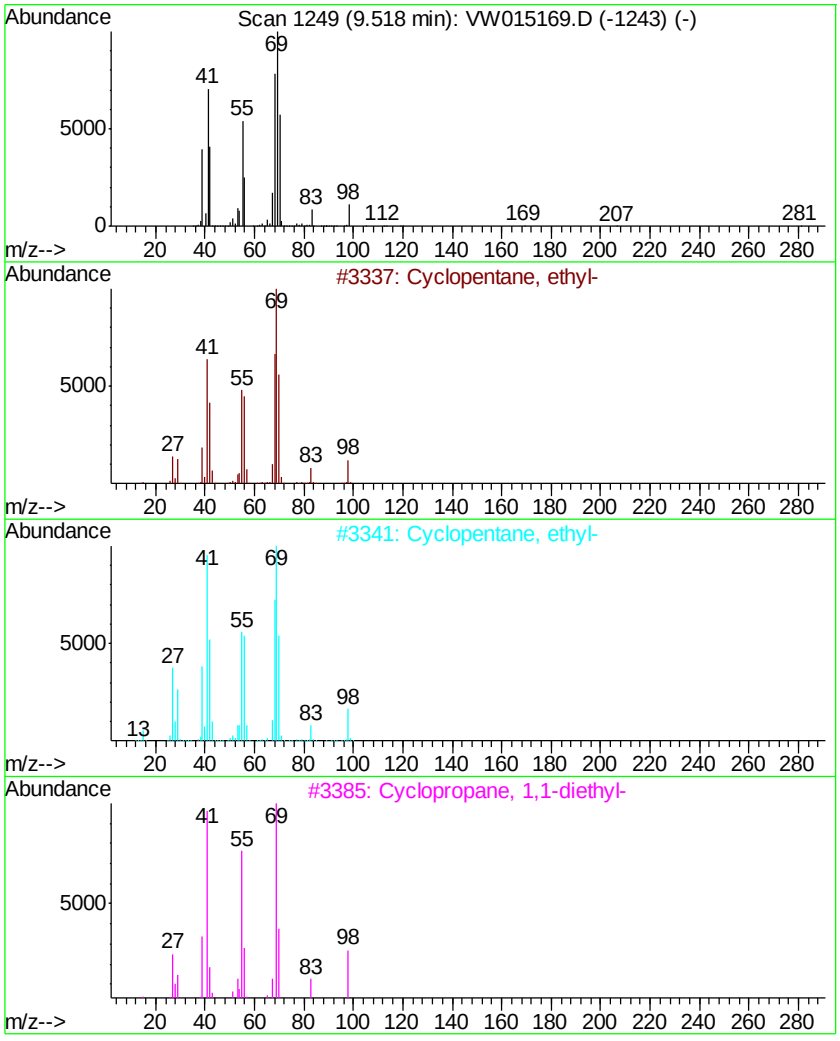
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

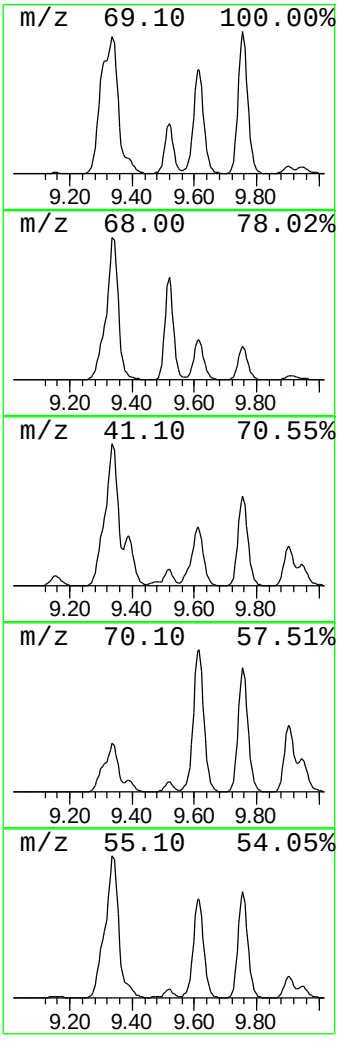
****

Peak Number 14 (DEL) Alkane: Cyclic9.52 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	85.60 ug/L	6067560	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	74
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	45
4	1-Heptene	98	C7H14	000592-76-7	38
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	35





Library Search Compound Report

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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

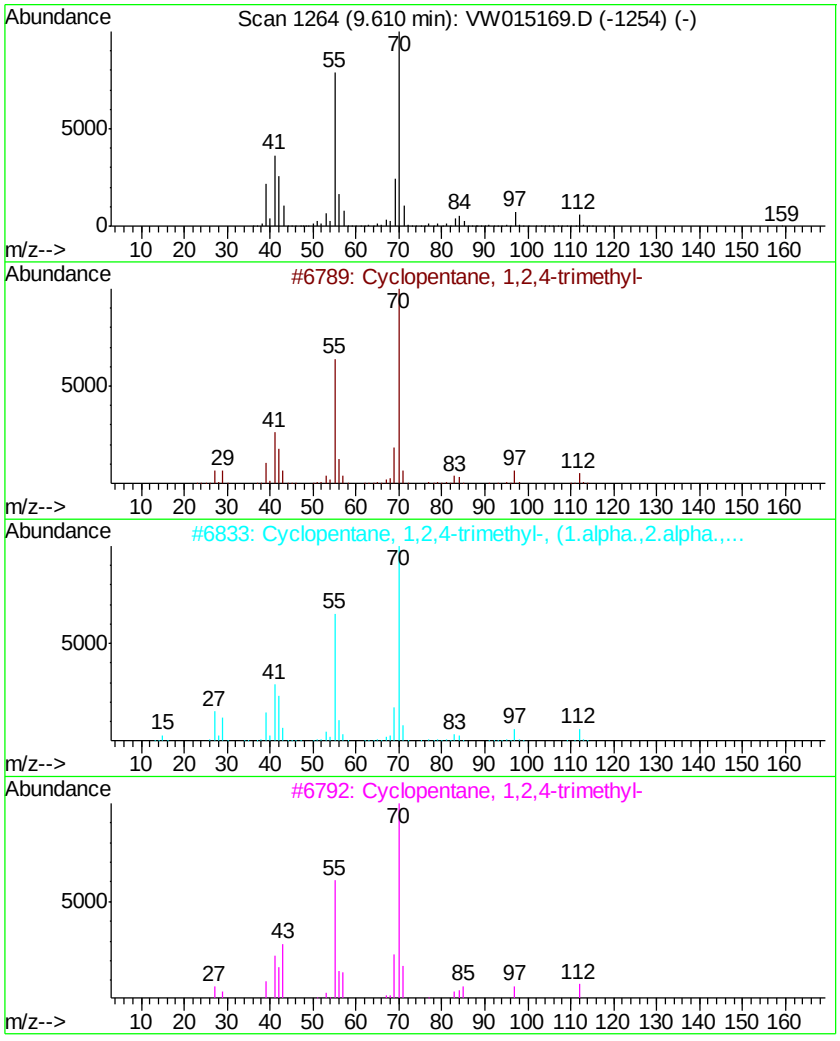
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

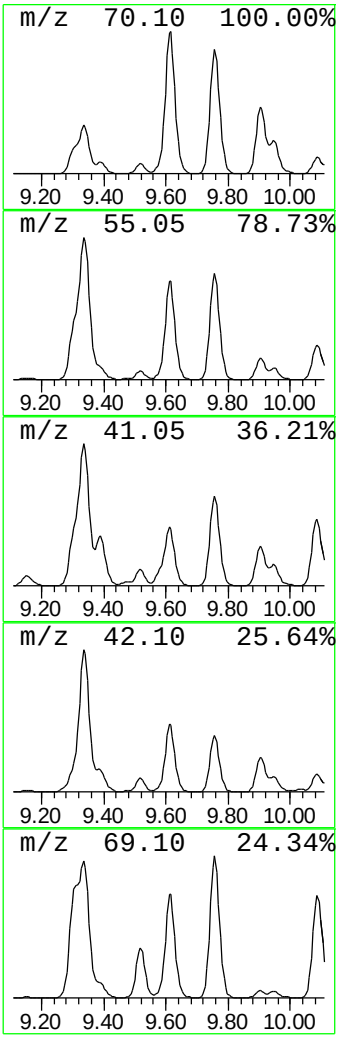
****

Peak Number 15 (DEL) Alkane: Cyclic9.61 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	826.62 ug/L	58594300	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	83
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

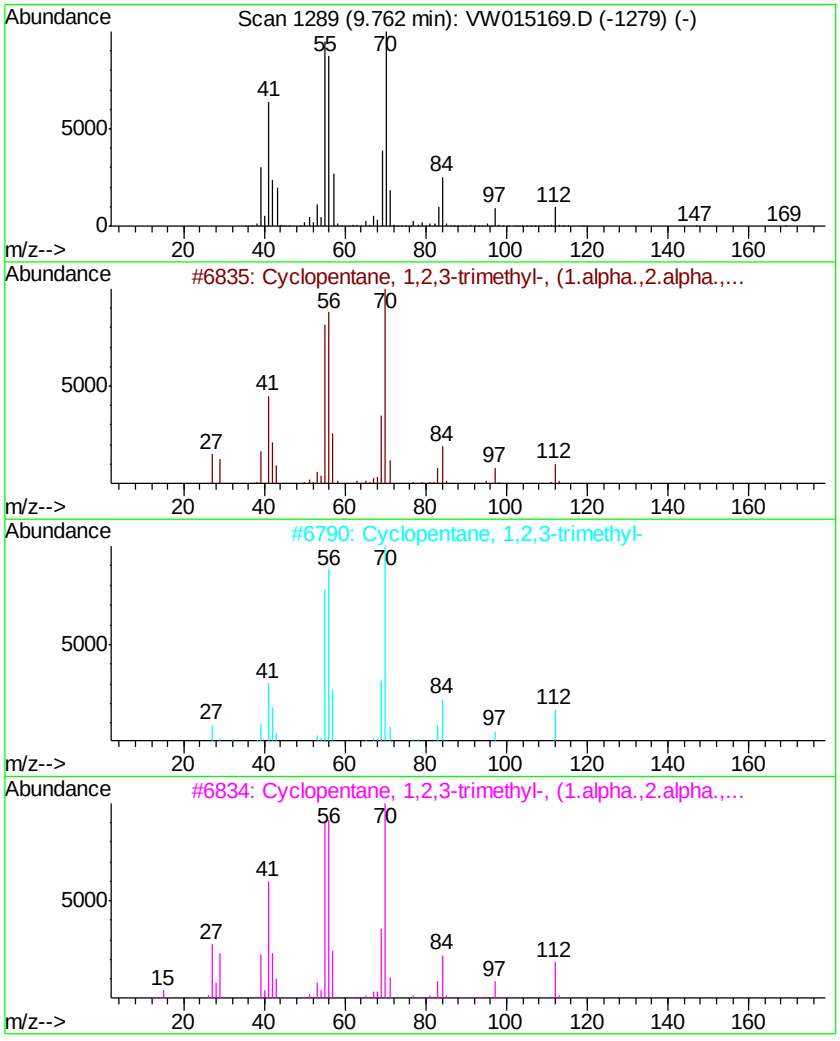
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

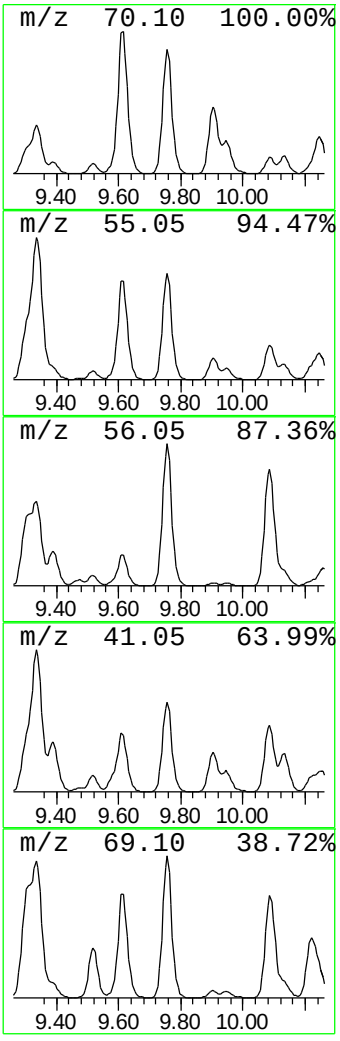
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic9.76 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	917.14 ug/L	65010800	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	83
5	1-Octene, 3-methyl-	126	C9H18	013151-08-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

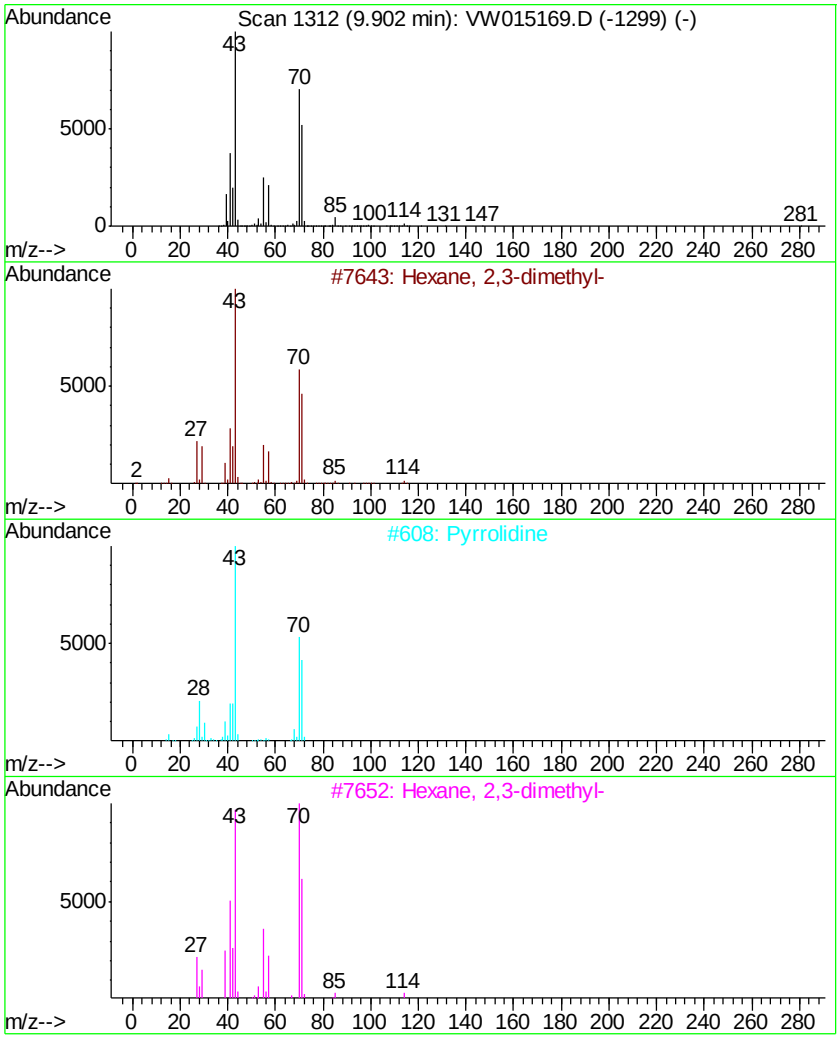
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

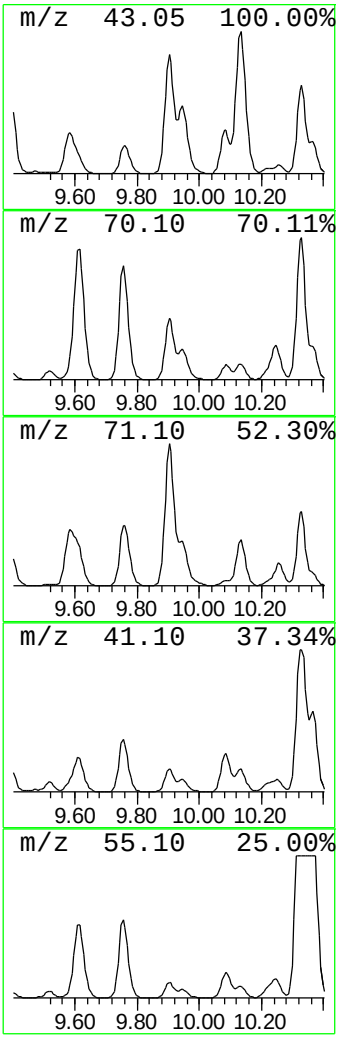
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	453.79 ug/L	32166600	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2	Pyrrolidine	71	C4H9N	000123-75-1	80
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	74
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	74
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

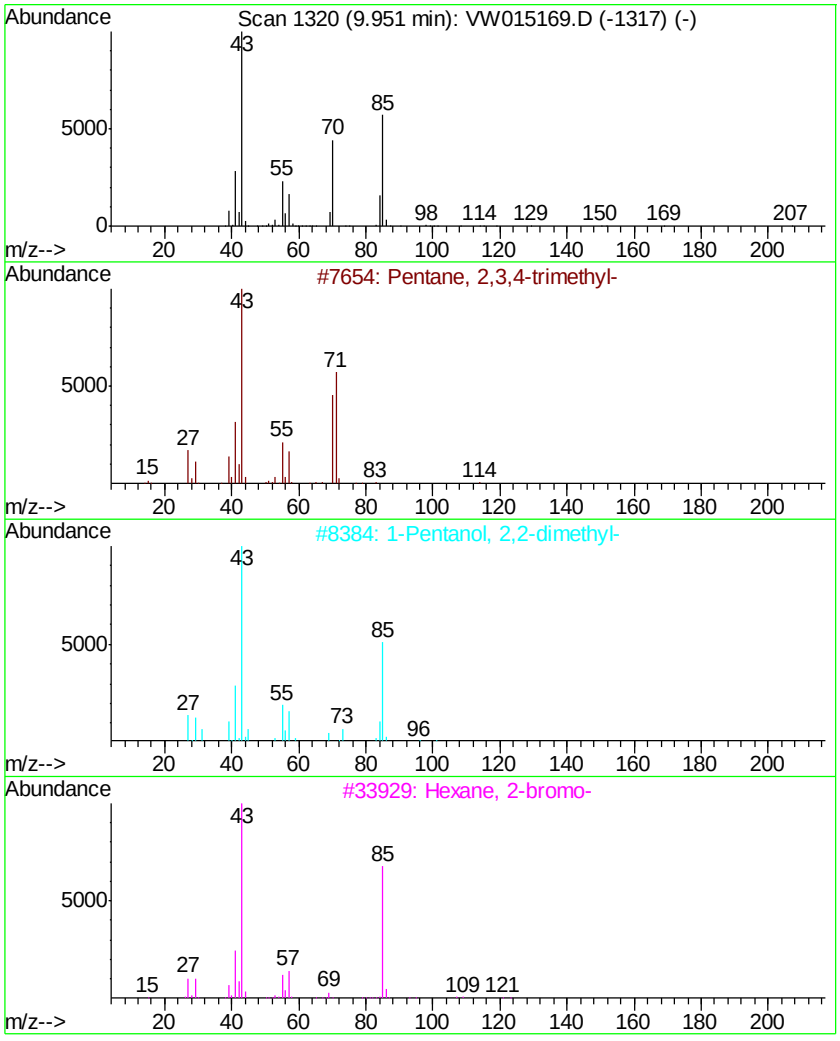
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

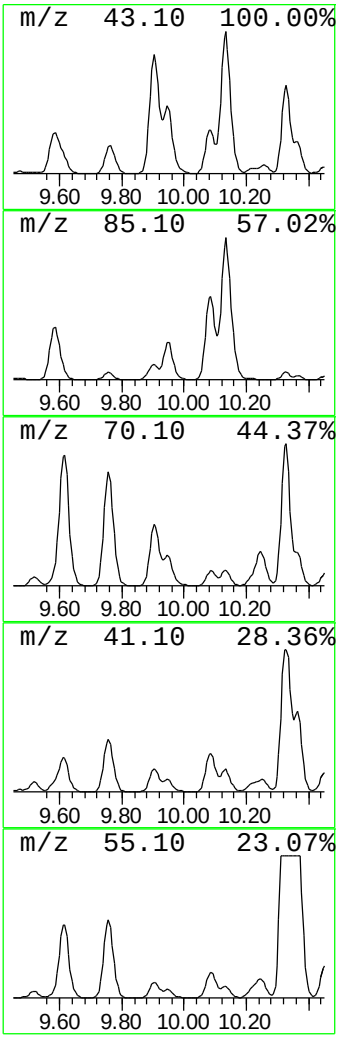
****

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	178.78 ug/L	12672700	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
2	1-Pentanol, 2,2-dimethyl-	116	C7H16O	002370-12-9	47
3	Hexane, 2-bromo-	164	C6H13Br	003377-86-4	47
4	Hexane, 3-bromo-	164	C6H13Br	003377-87-5	47
5	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

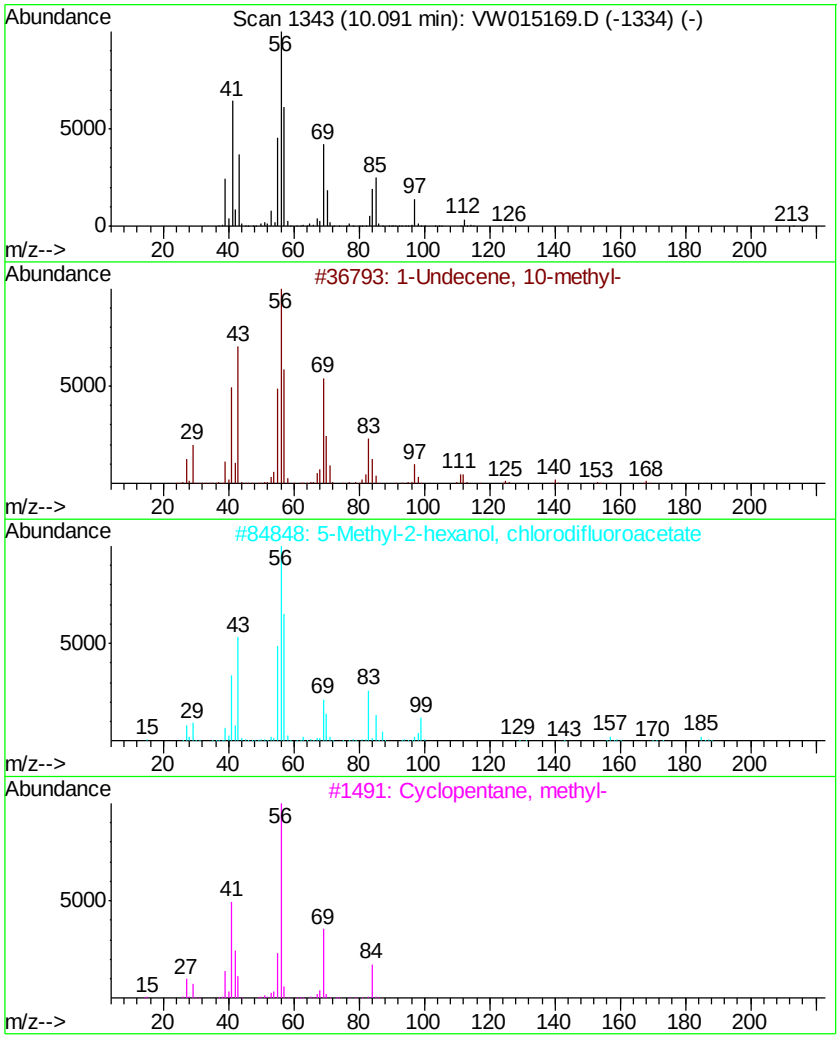
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

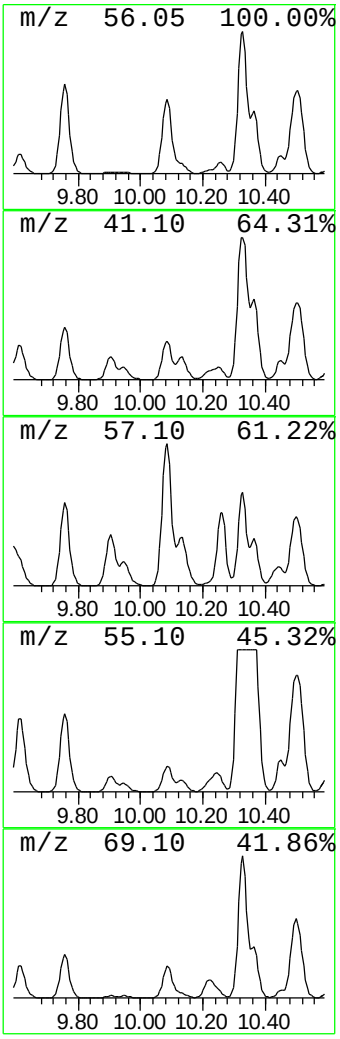
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	546.08 ug/L	38708000	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene, 10-methyl-	168	C12H24	022370-55-4	64
2	5-Methyl-2-hexanol, chlorodifluo...	228	C9H15ClF2O2	1000376-27-1	59
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	53
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

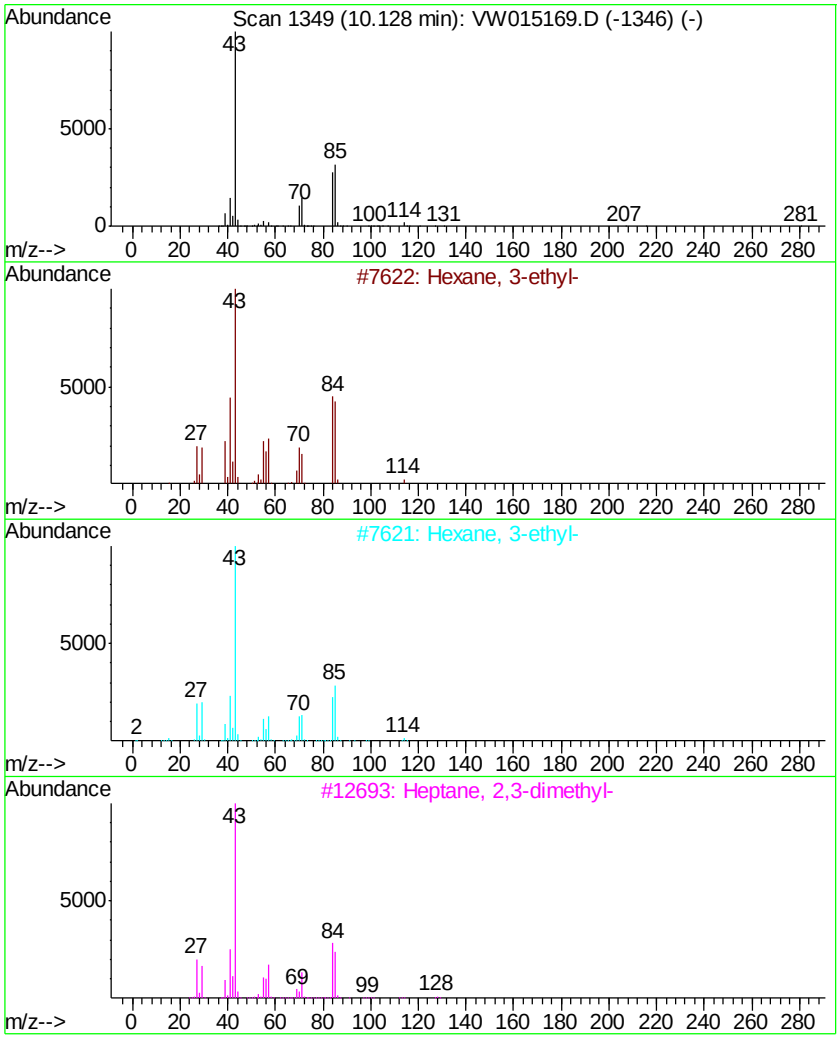
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

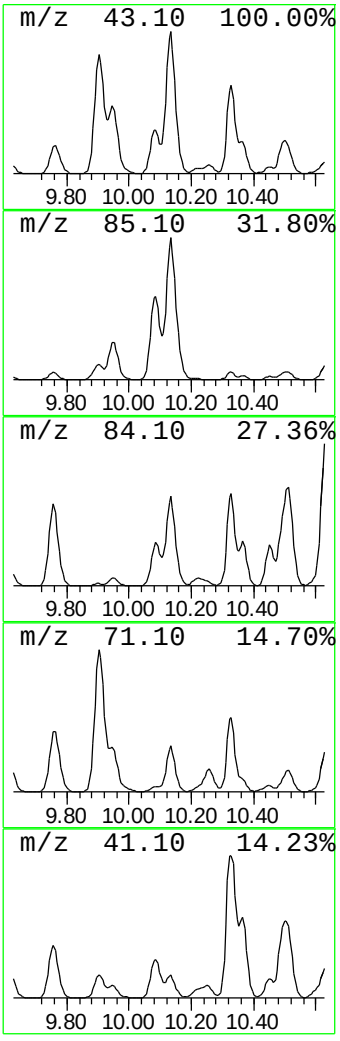
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	399.39 ug/L	28310400	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

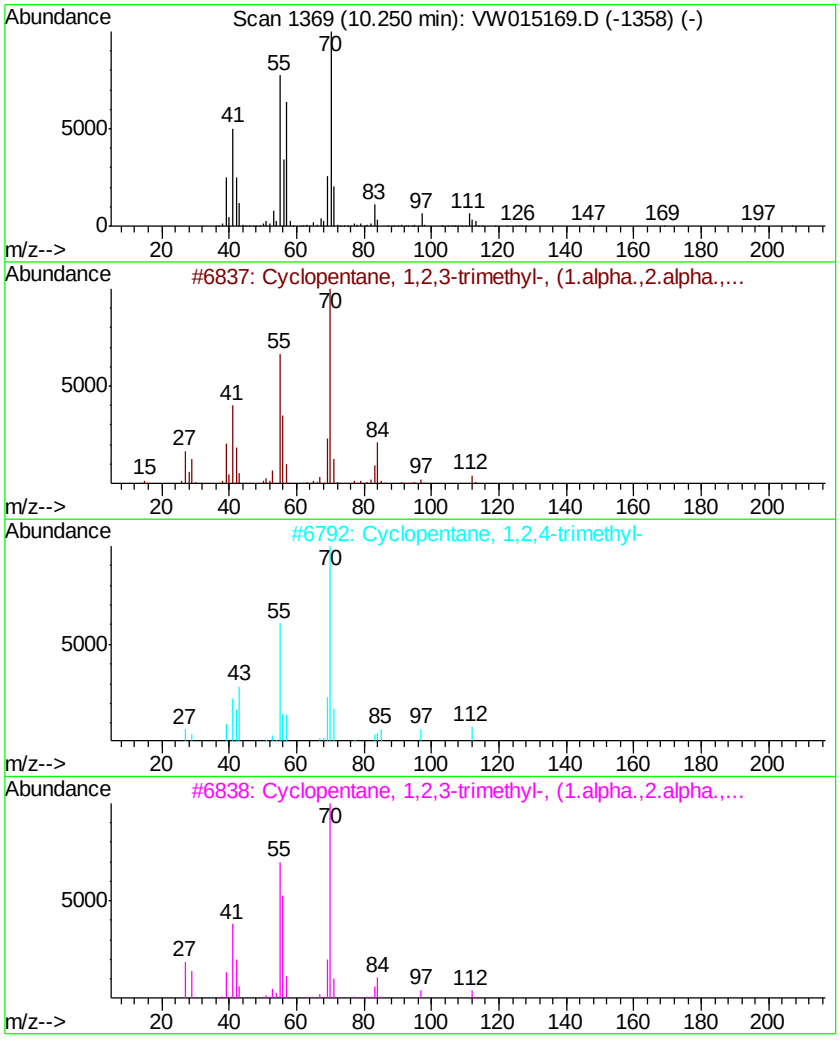
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

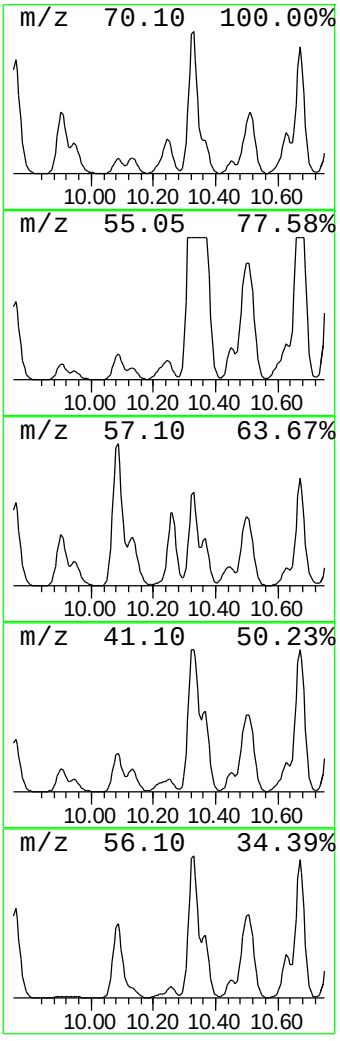
****

Peak Number 21 (DEL) Alkane: Cyclic10.25 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	75.21 ug/L	23810600	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4	cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	64
5	Nonane, 3-methylene-	140	C10H20	051655-64-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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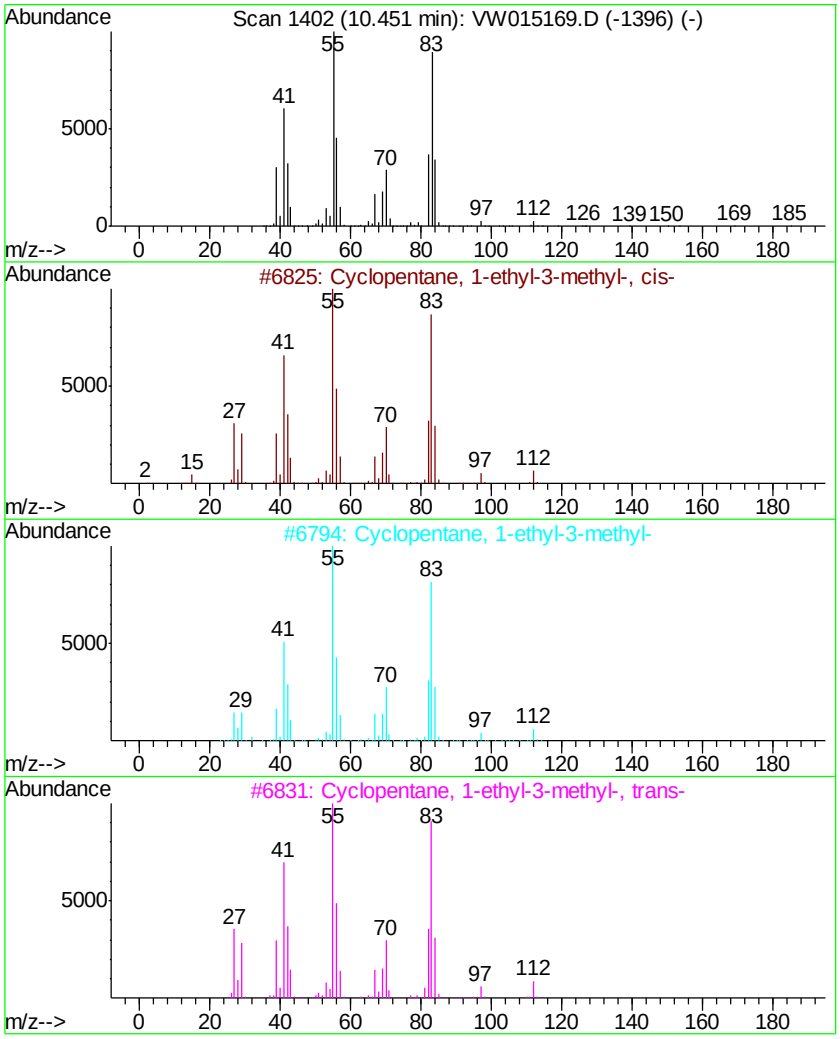
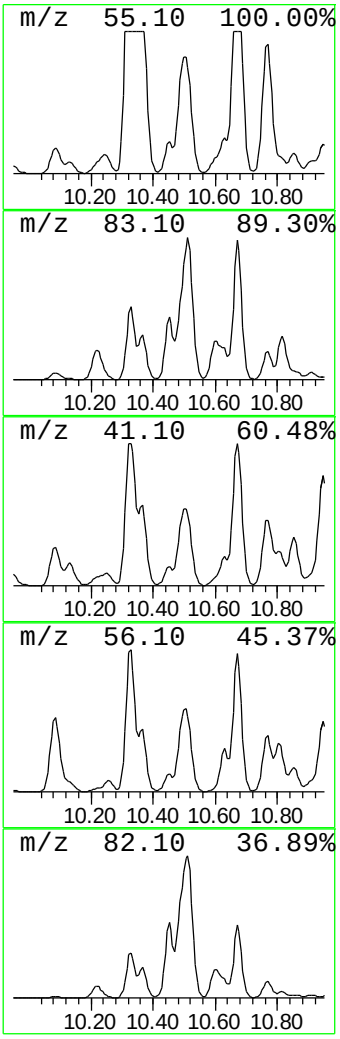
Peak Number 22 (DEL) Alkane: Cyclic10.45 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	53.29 ug/L	16871400	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	91
2	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	91
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	83
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50
5	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

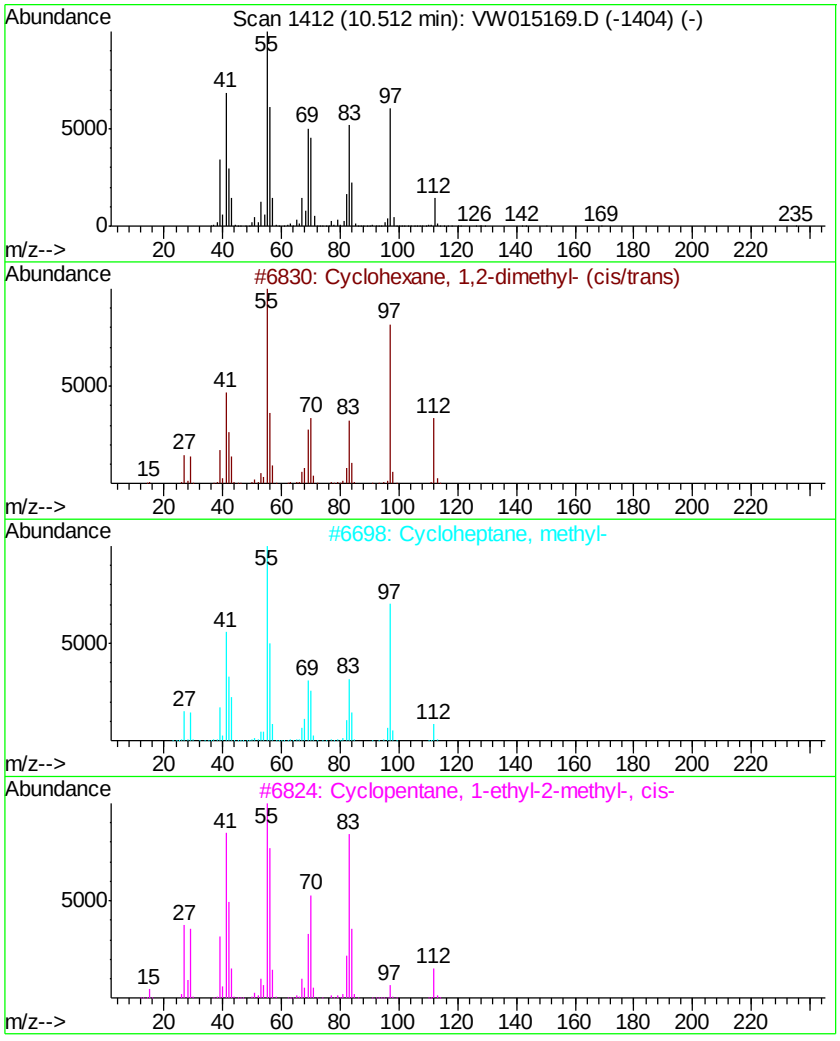
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

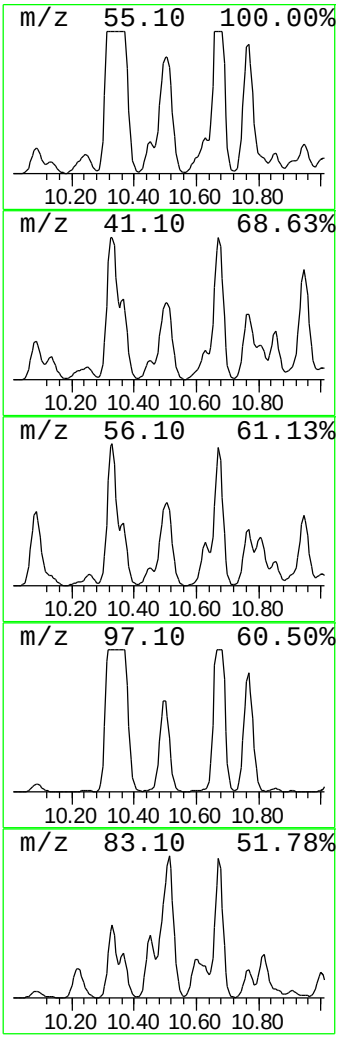
****

Peak Number 23 (DEL) Alkane: Cyclic10.51 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	383.58 ug/L	121440000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	80
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	72
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	49
5	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	43





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

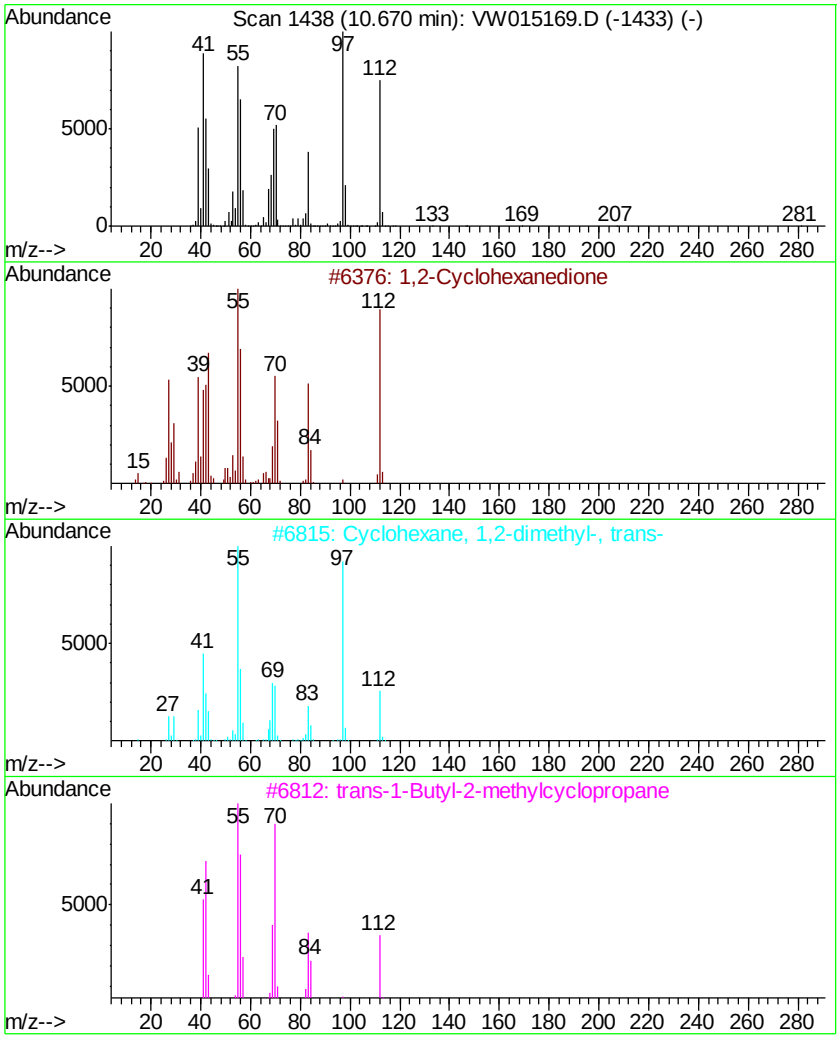
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

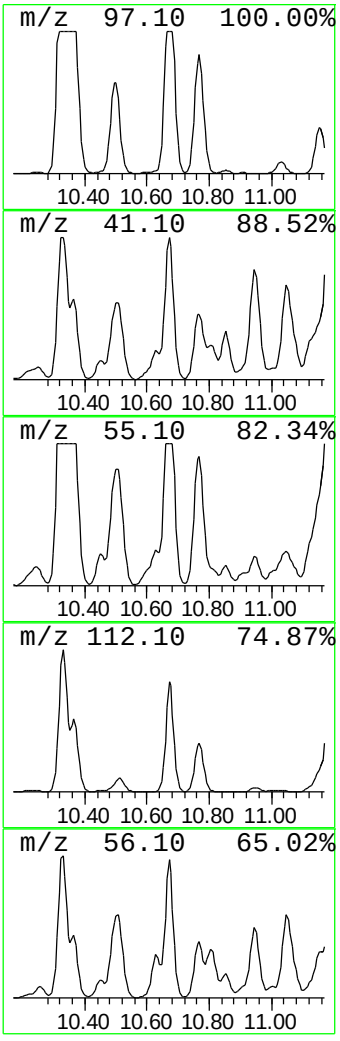
****

Peak Number 24 1,2-Cyclohexanedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	560.59 ug/L	177482000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	62
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	58
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58
5	3-Octene, (E)-	112	C8H16	014919-01-8	55





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

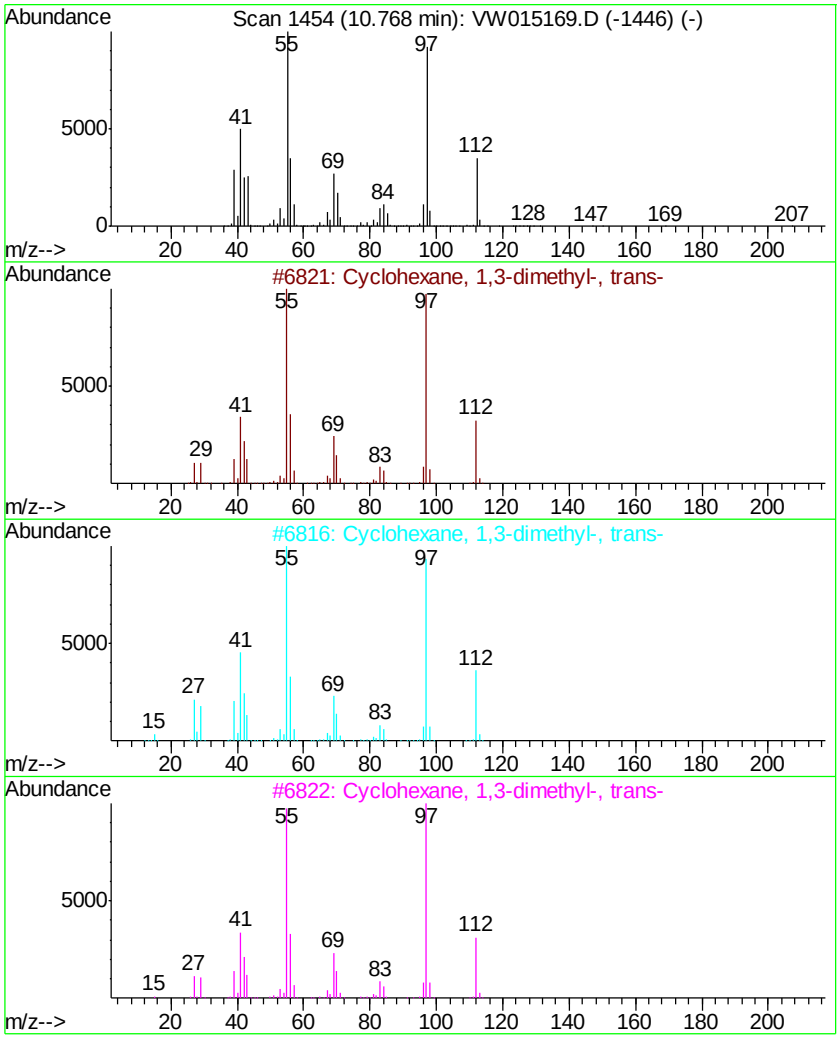
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

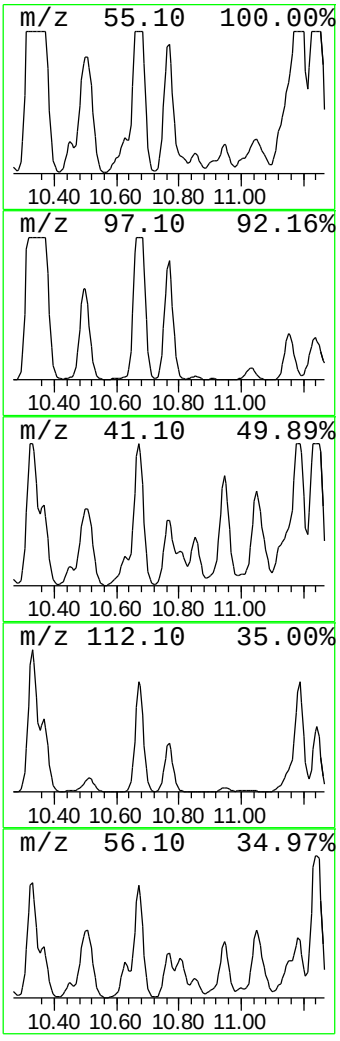
****

Peak Number 25 (DEL) Alkane: Cyclic10.77 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	307.90 ug/L	97479200	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91





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Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

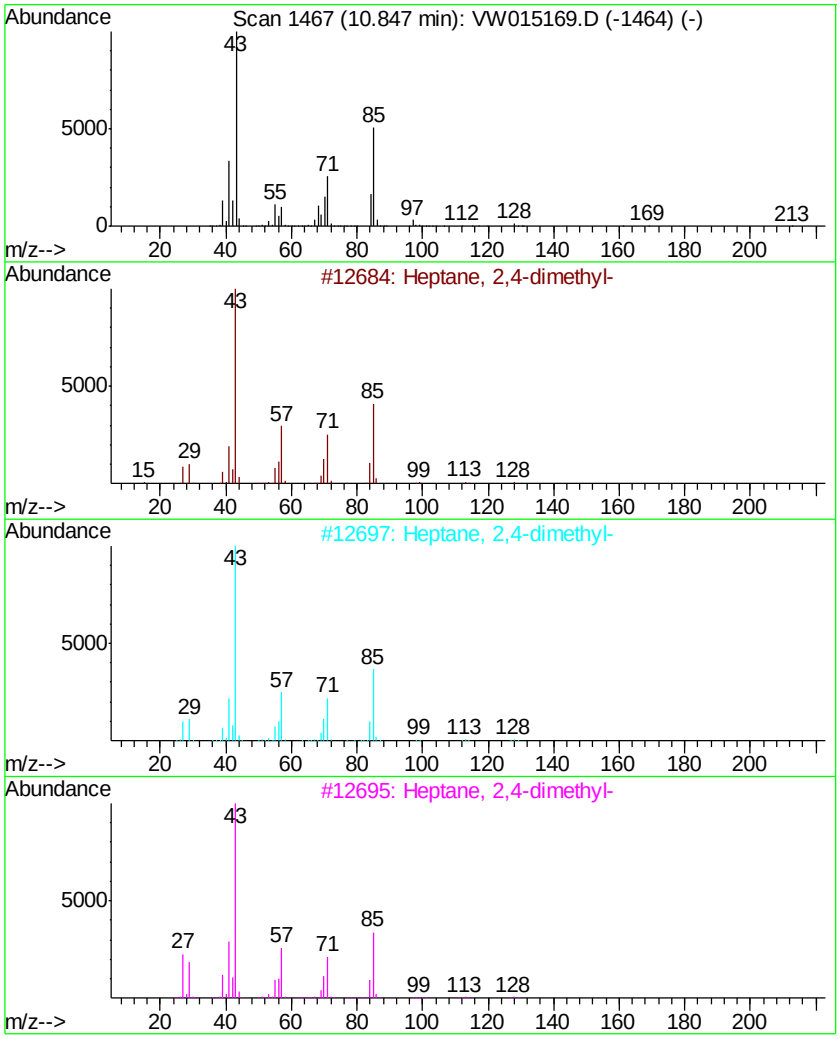
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

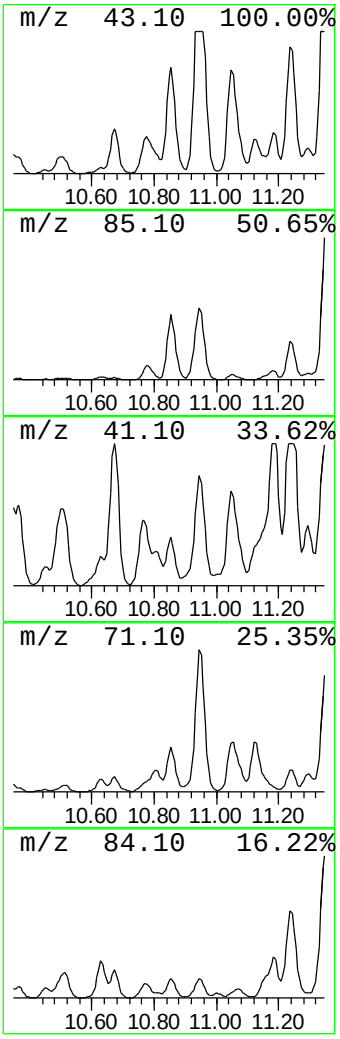
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	131.27 ug/L	41558300	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	83
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	70
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	62
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Library Search Compound Report

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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

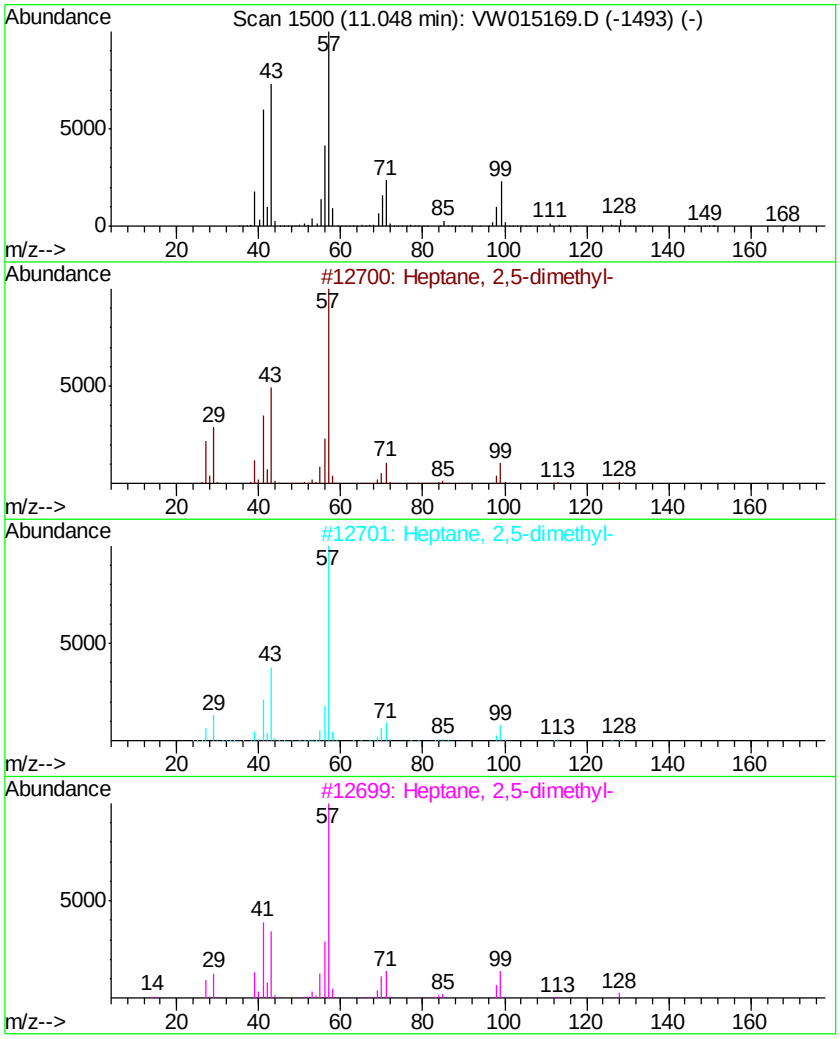
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

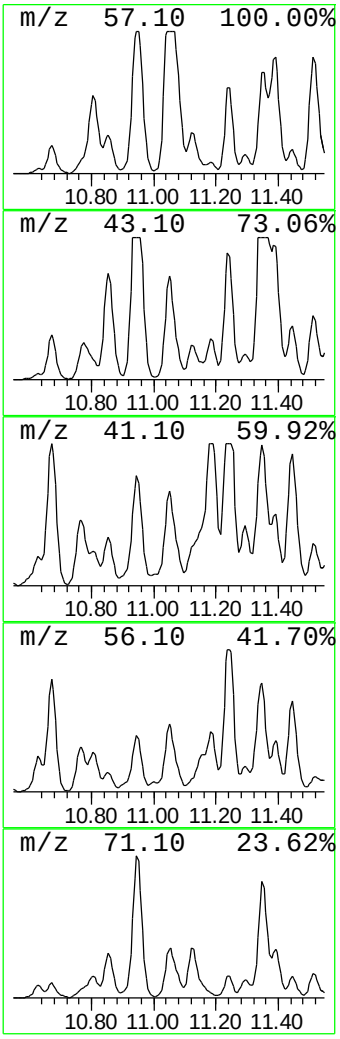
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	292.66 ug/L	92654700	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

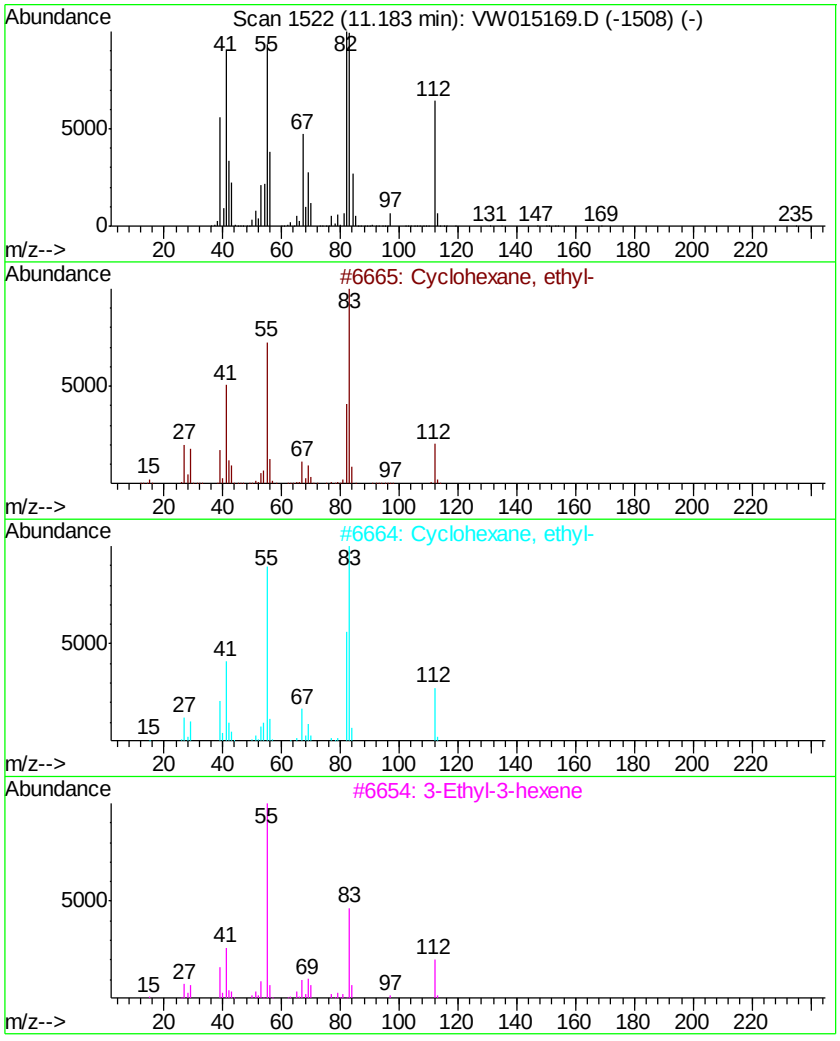
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

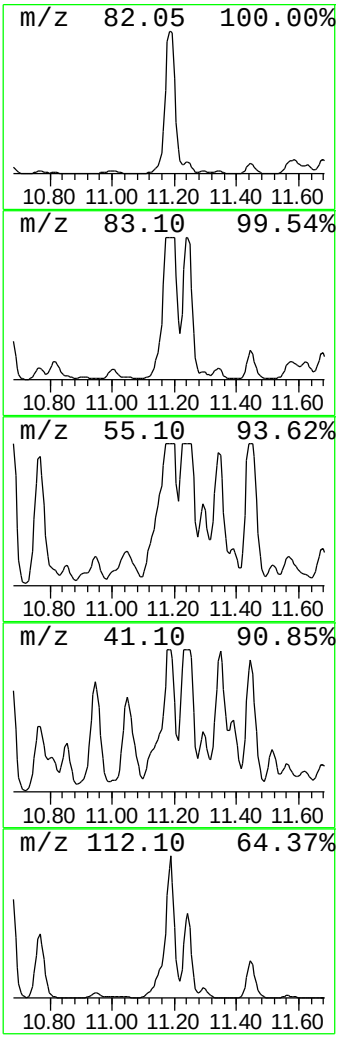
****

Peak Number 28 (DEL) Alkane: Cyclic11.18 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	770.25 ug/L	243859000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	38
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	38
4	3-Ethyl-2-hexene	112	C8H16	000620-00-8	35
5	3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

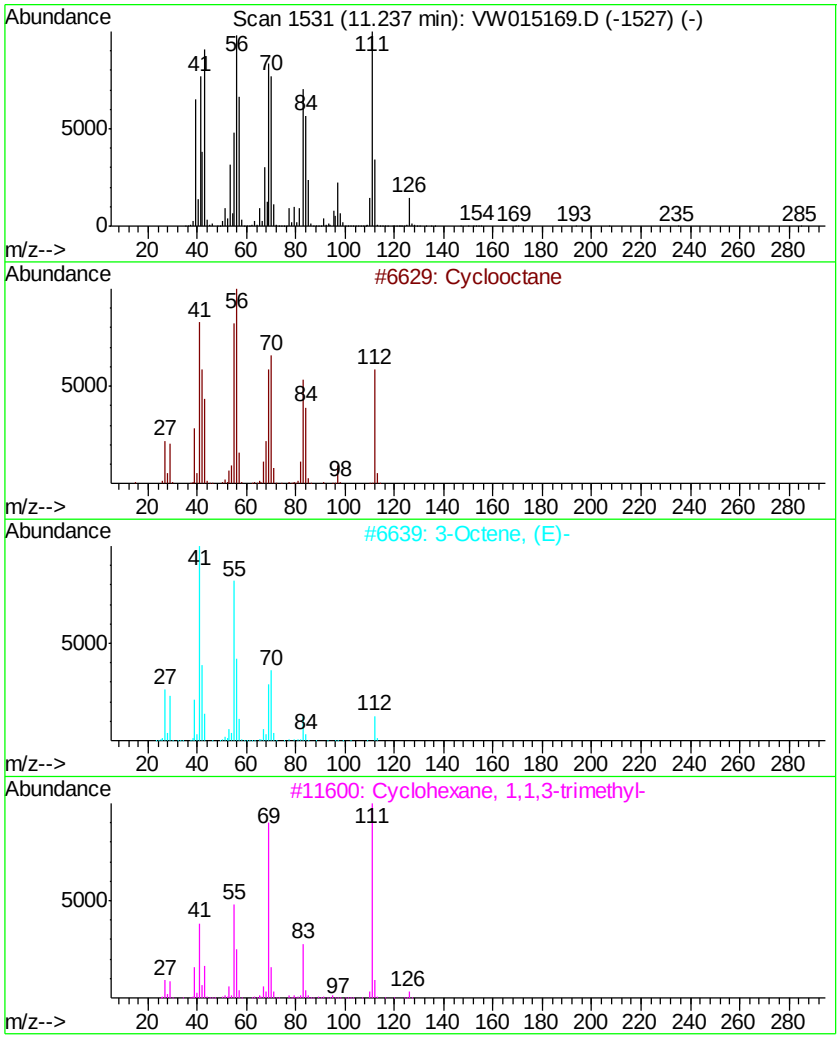
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

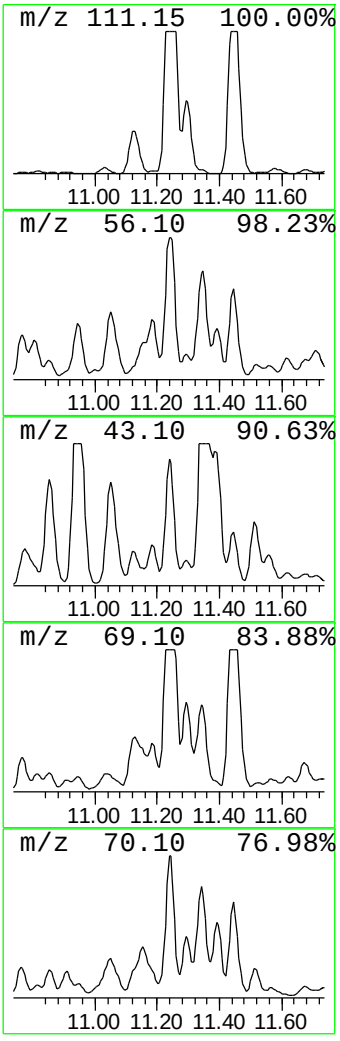
****

Peak Number 29 (DEL) Alkane: Cyclic11.24 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	727.24 ug/L	230243000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	68
2	3-Octene, (E)-	112	C8H16	014919-01-8	47
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
4	Heptane, 1-fluoro-	118	C7H15F	000661-11-0	35
5	Acetic acid, octyl ester	172	C10H20O2	000112-14-1	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

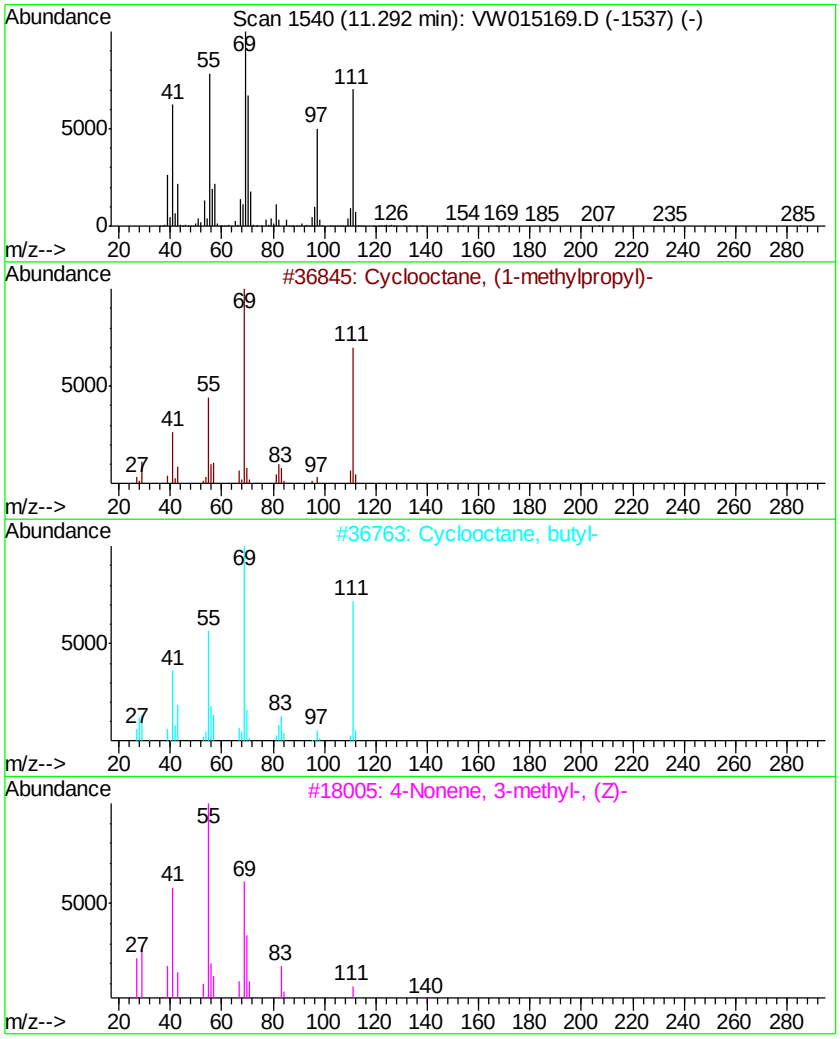
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

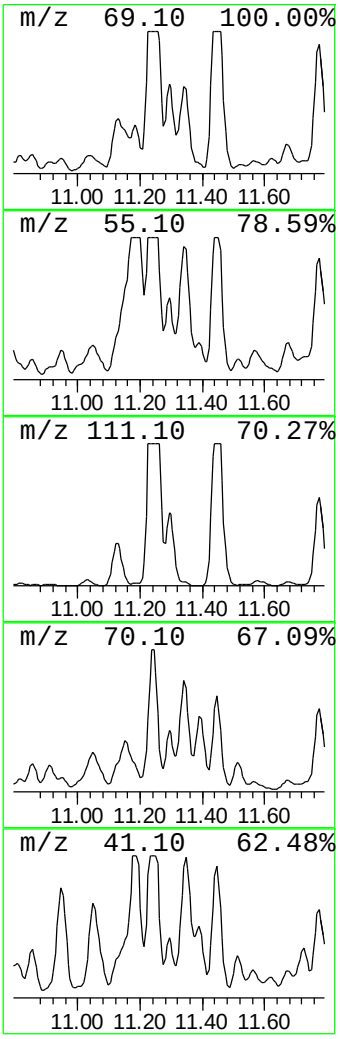
****

Peak Number 30 (DEL) Alkane: Cyclic11.29 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	64.57 ug/L	20443400	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
2	Cyclooctane, butyl-	168	C12H24	016538-93-5	50
3	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	50
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

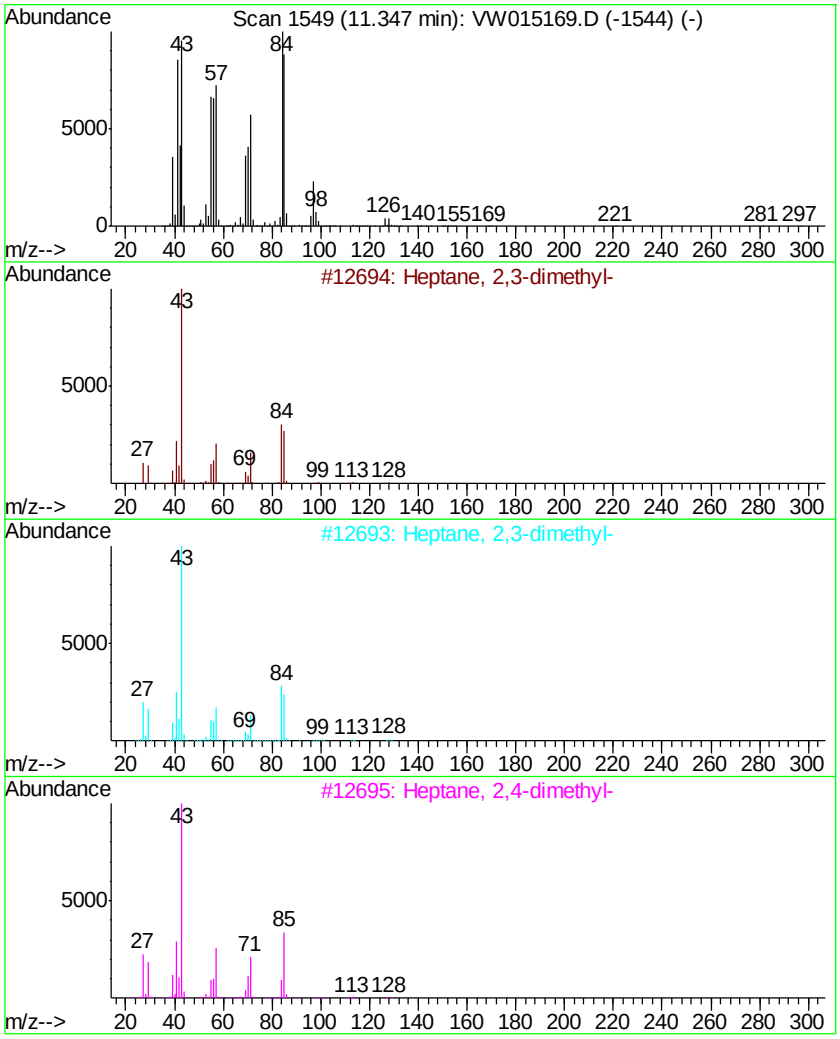
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

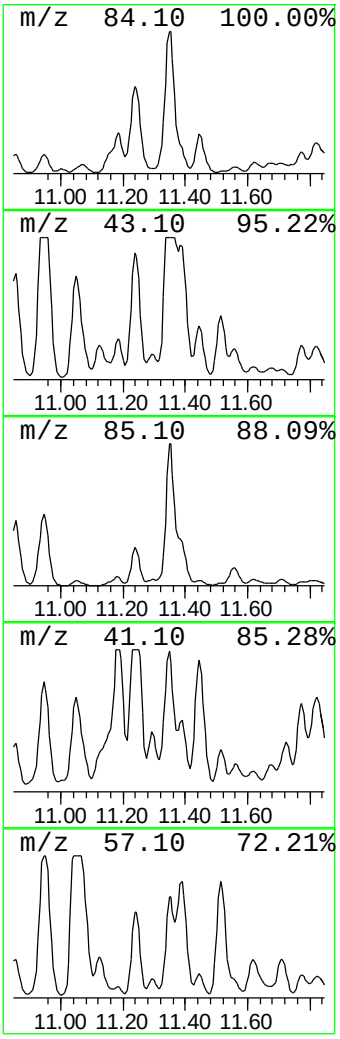
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	441.95 ug/L	139919000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	53
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

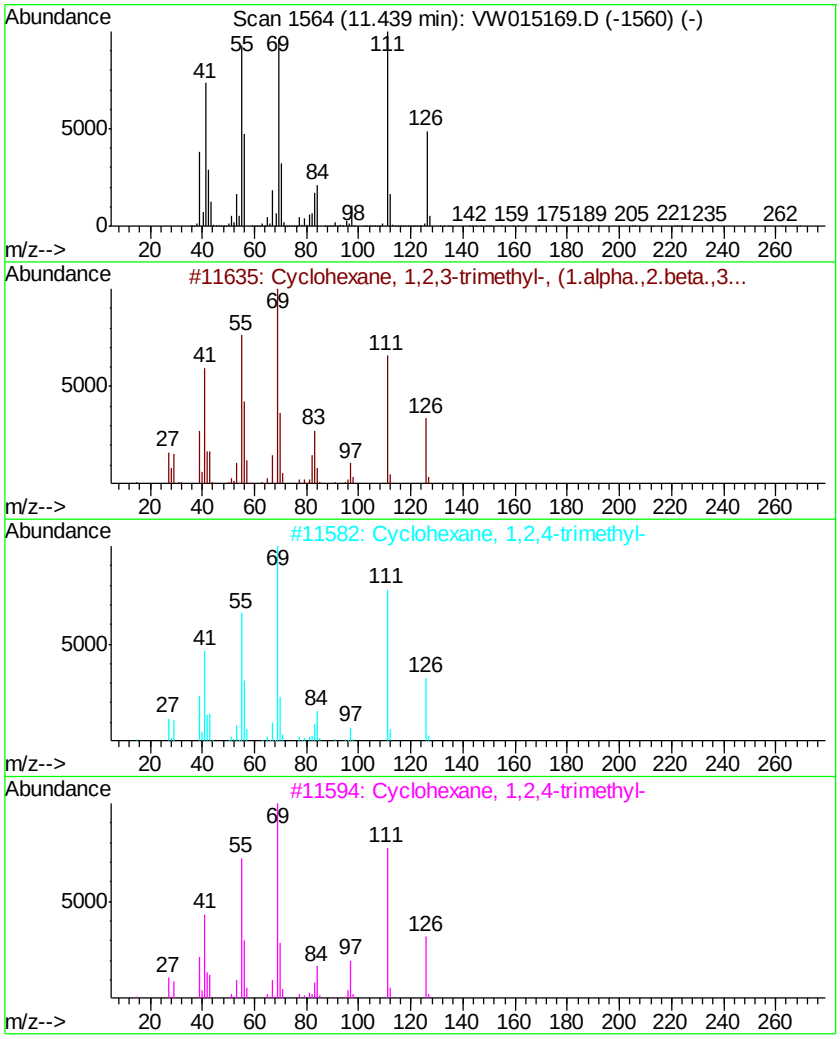
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

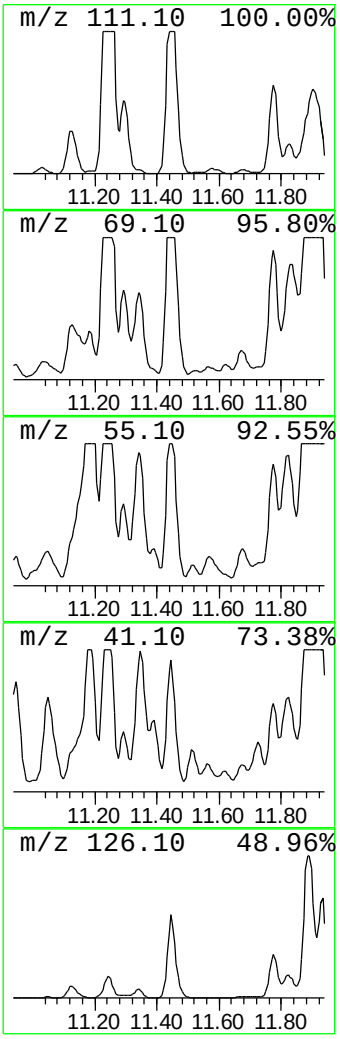
****

Peak Number 32 (DEL) Alkane: Cyclic11.44 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	498.99 ug/L	157978000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	72
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

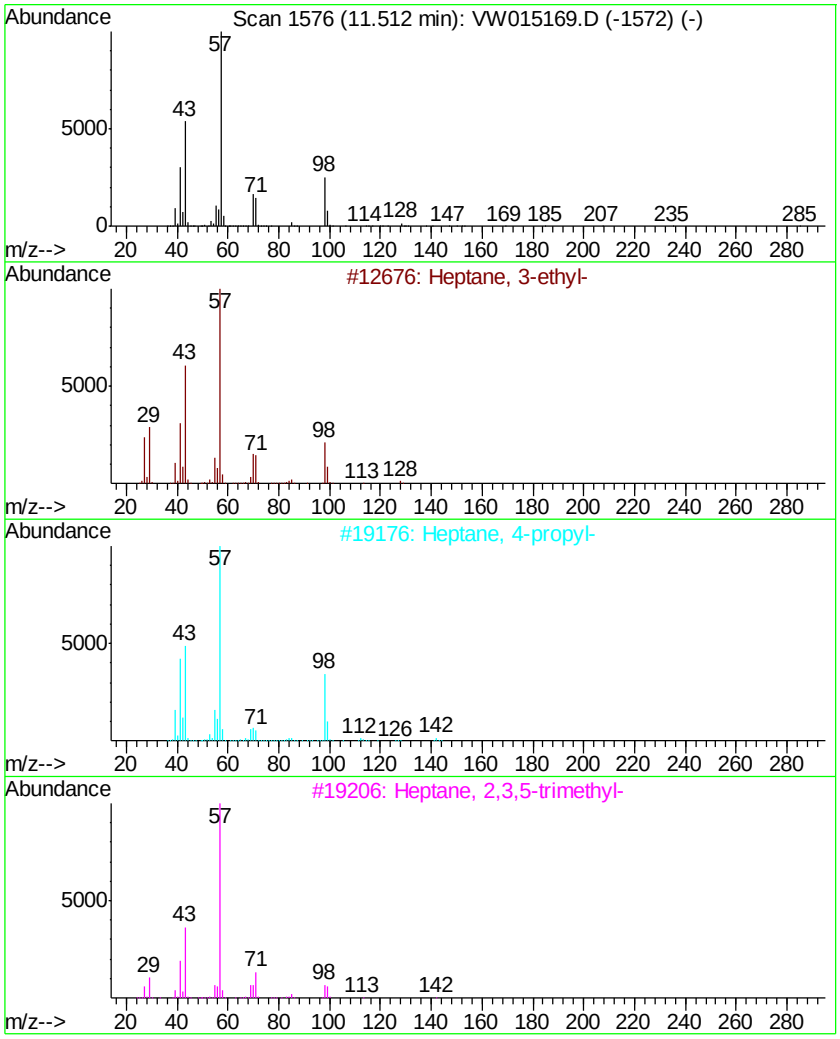
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

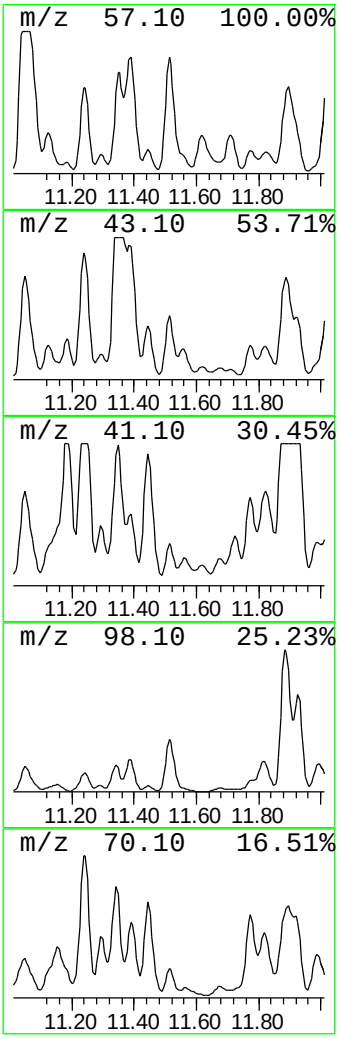
****

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	96.55 ug/L	30568500	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	83
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
3	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	59
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

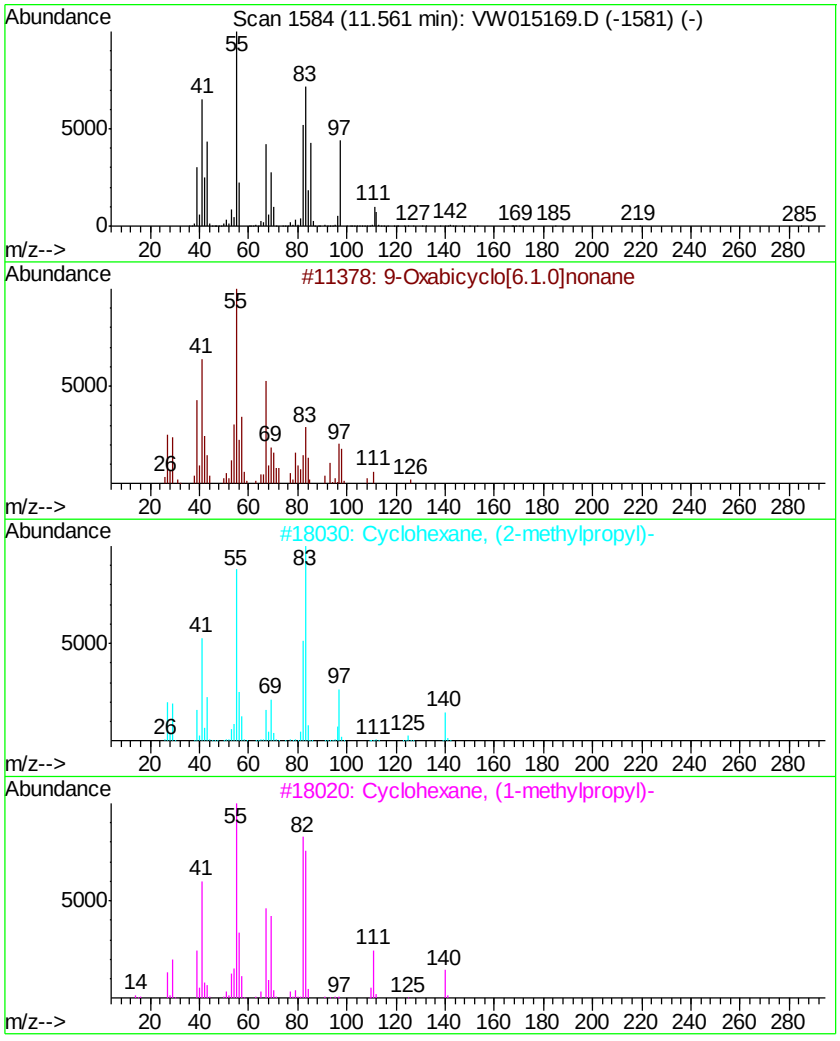
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

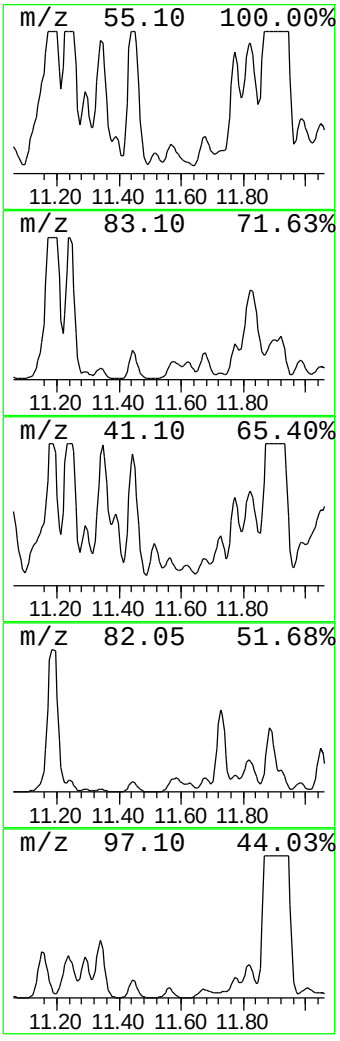
****

Peak Number 34 unknown-01 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	33.89 ug/L	10728900	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Oxabicyclo[6.1.0]nonane	126	C8H14O	000286-62-4	38
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
3	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
4	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-73-0	35
5	cis-3-Hexenyl isovalerate	184	C11H20O2	035154-45-1	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

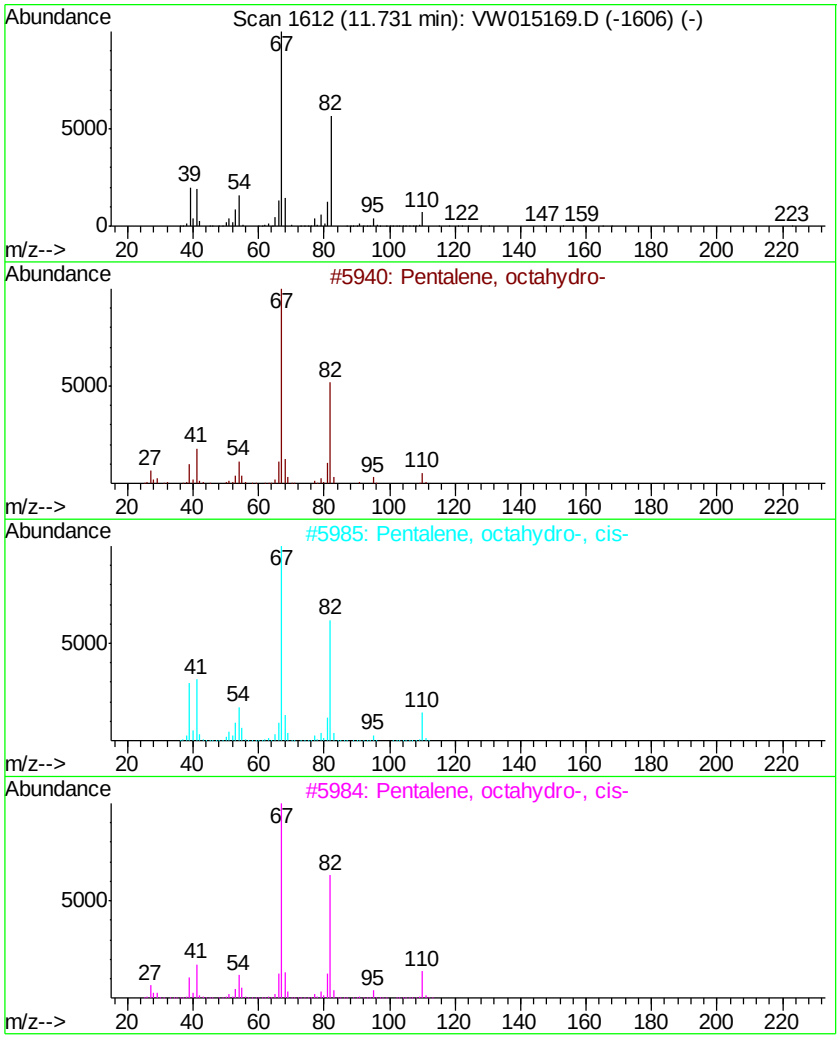
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

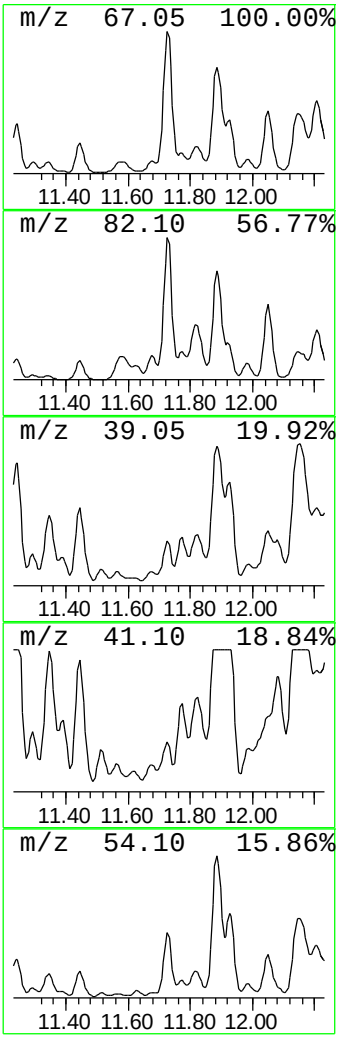
****

Peak Number 35 Pentalene, octahydro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	131.71 ug/L	41698500	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	91
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90
5	Pentalene, octahydro-	110	C8H14	000694-72-4	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

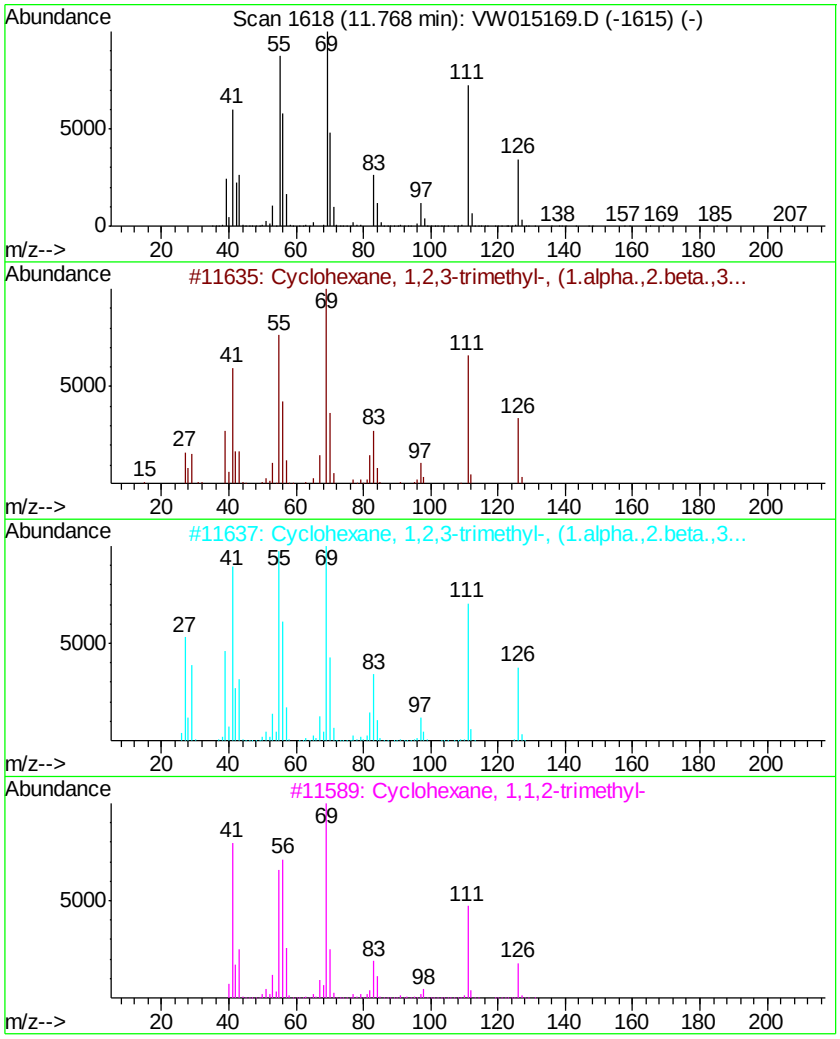
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

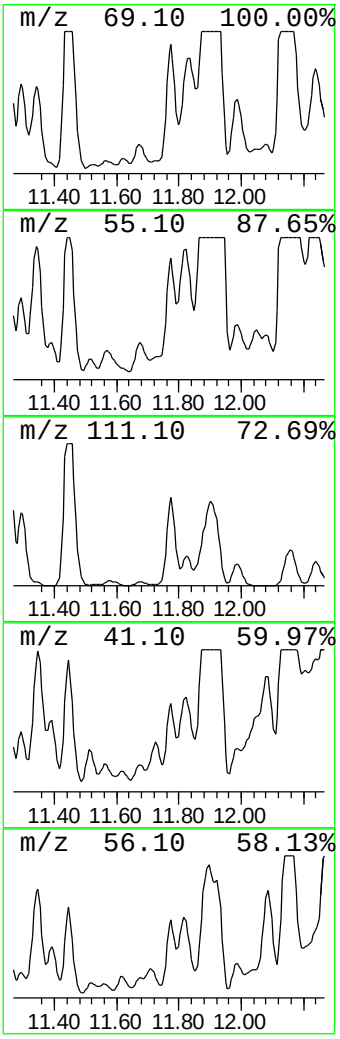
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Cyclic11.77 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	212.86 ug/L	67391500	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	96
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	87
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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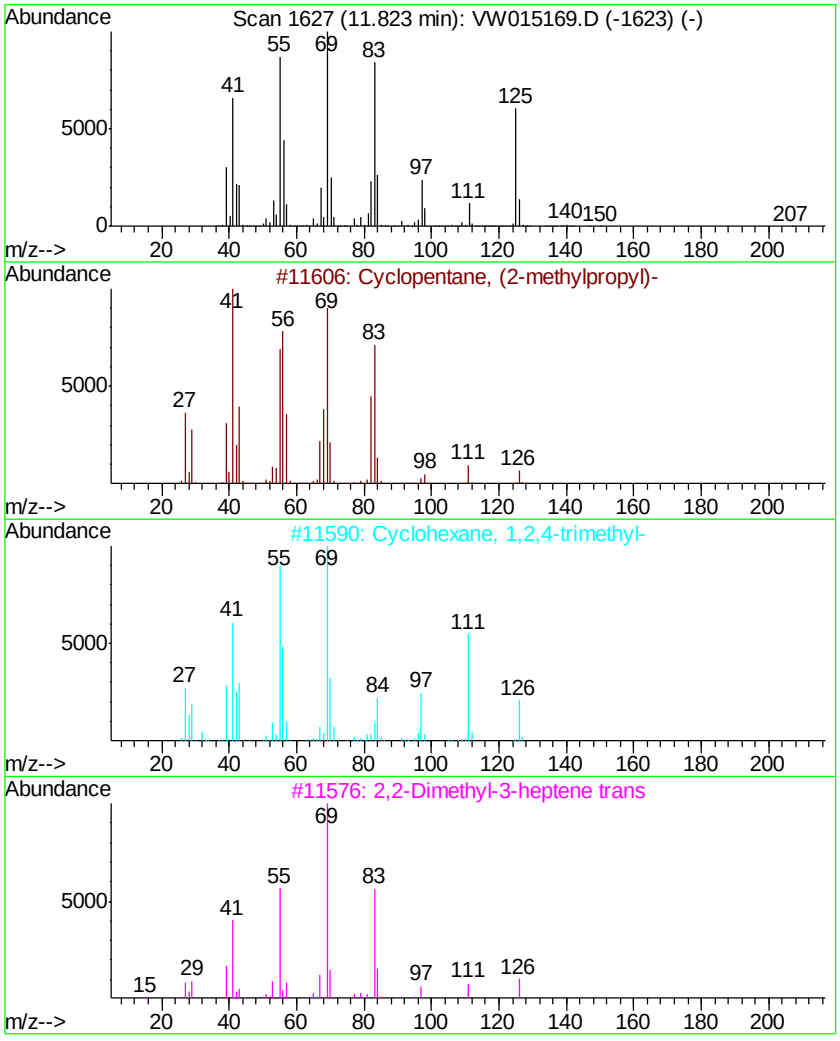
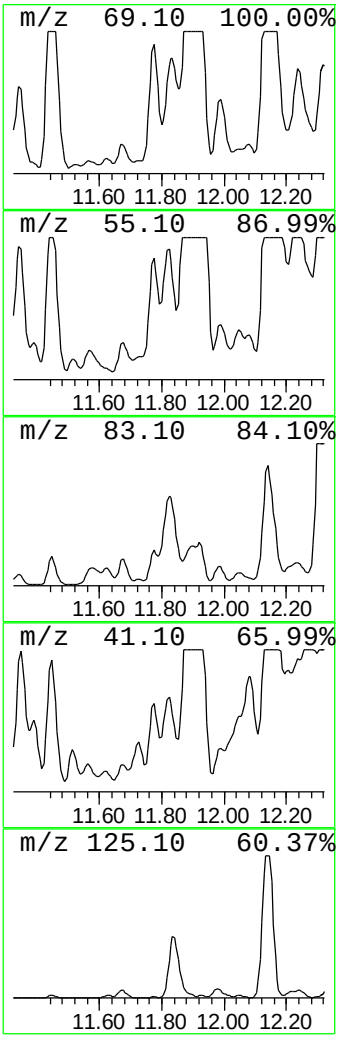
Peak Number 37 (DEL) Alkane: Cyclic11.82 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	146.74 ug/L	46458200	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	53
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	45
3	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	38
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
5	2-Methyl-2-octene	126	C9H18	016993-86-5	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

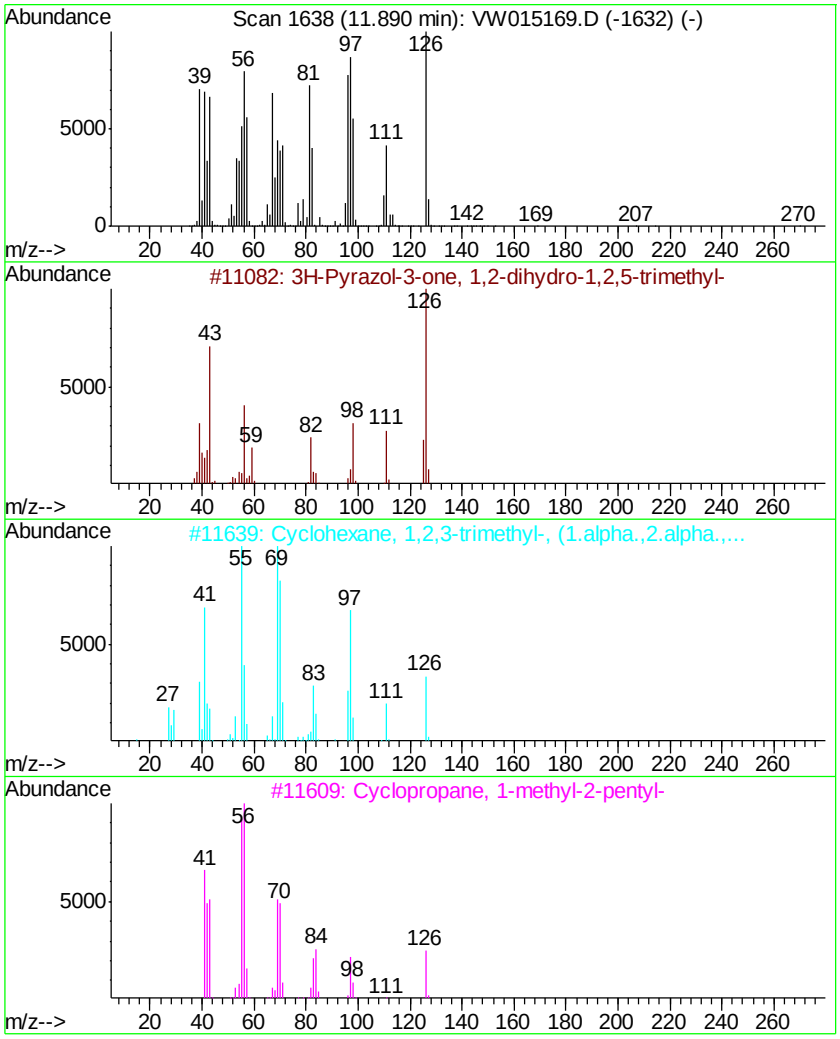
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

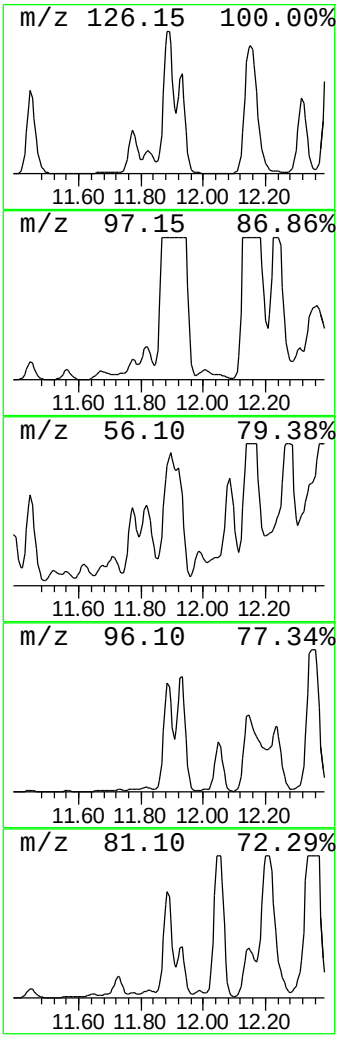
****

Peak Number 38 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	964.55 ug/L	305375000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Pyrazol-3-one, 1,2-dihydro-1,...	126	C6H10N2O	003201-26-1	45
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	38
3	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	27
4	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	25
5	Carbonic acid, isobutyl cyclohex...	214	C12H22O3	1000357-83-0	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

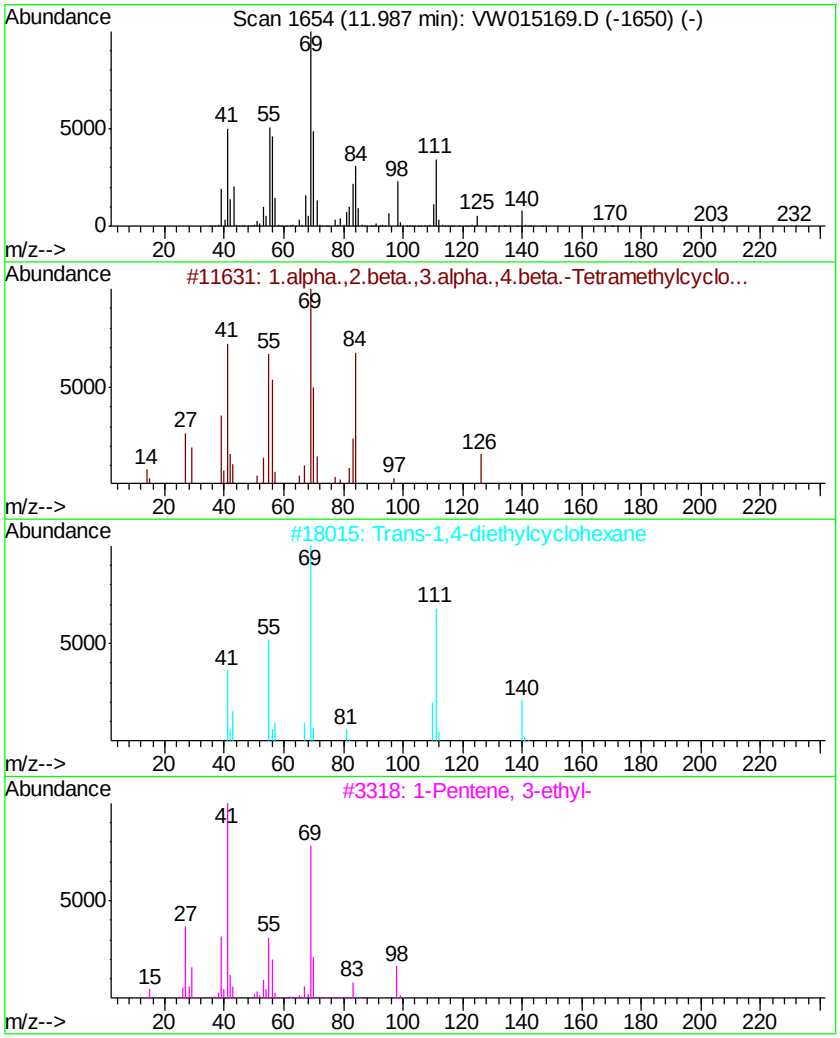
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

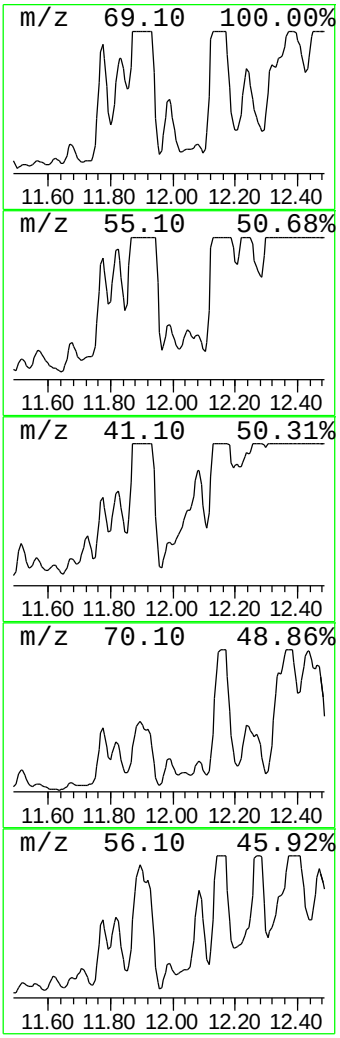
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	110.03 ug/L	34836300	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	50
2	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	46
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	46
4	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	43
5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

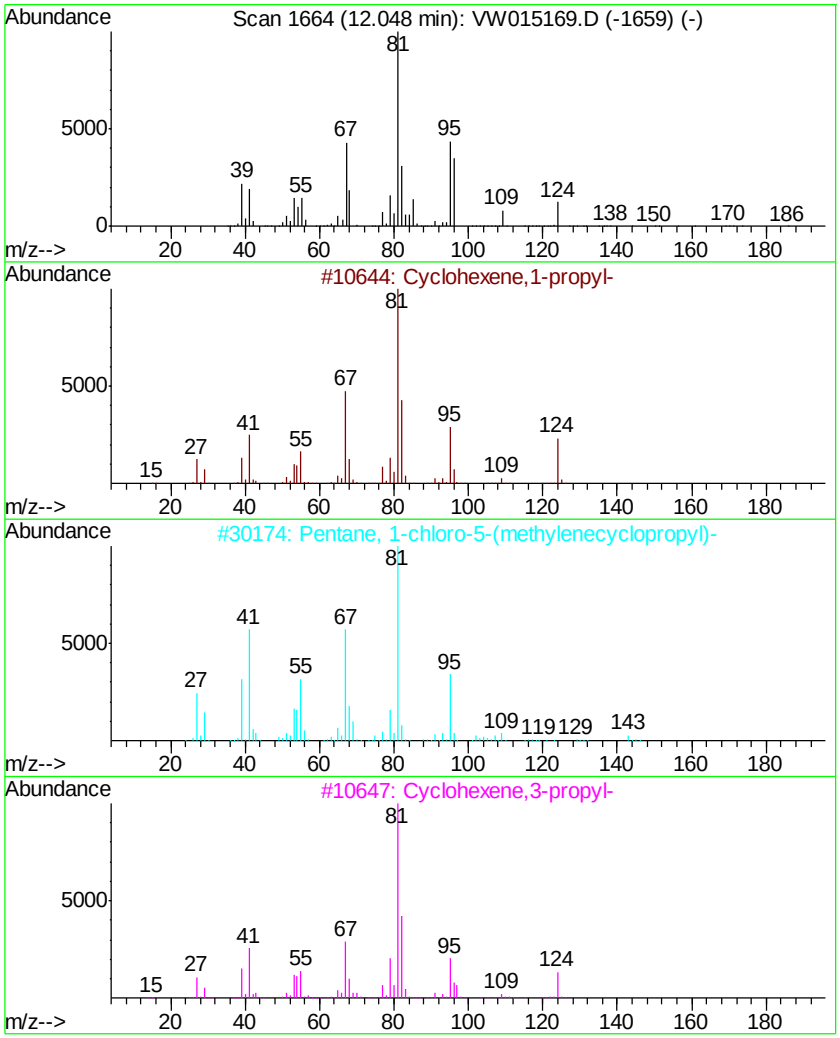
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

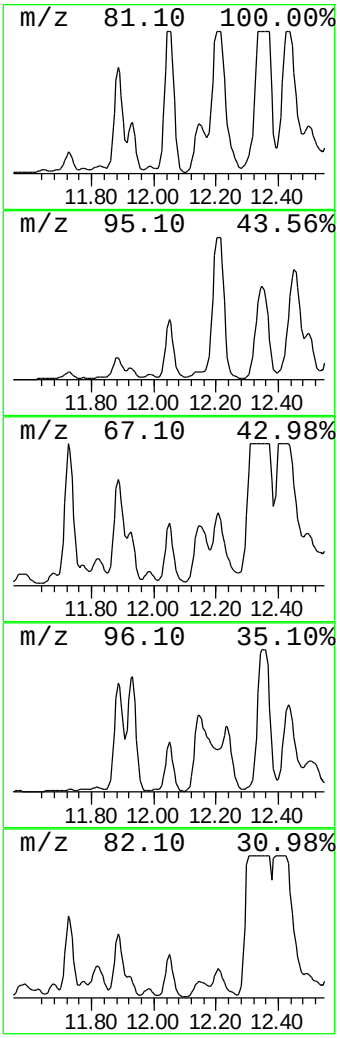
****

Peak Number 40 Cyclohexene,1-propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	177.60 ug/L	56228800	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	59
2	Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	59
3	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	52
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

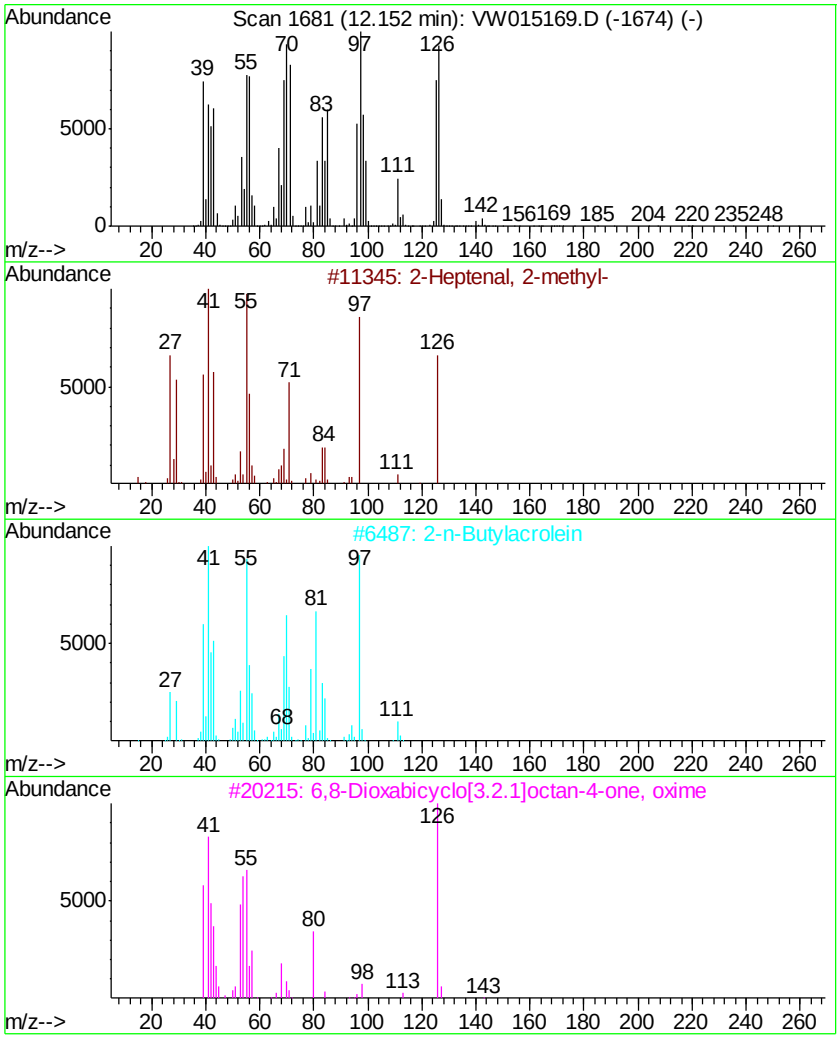
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

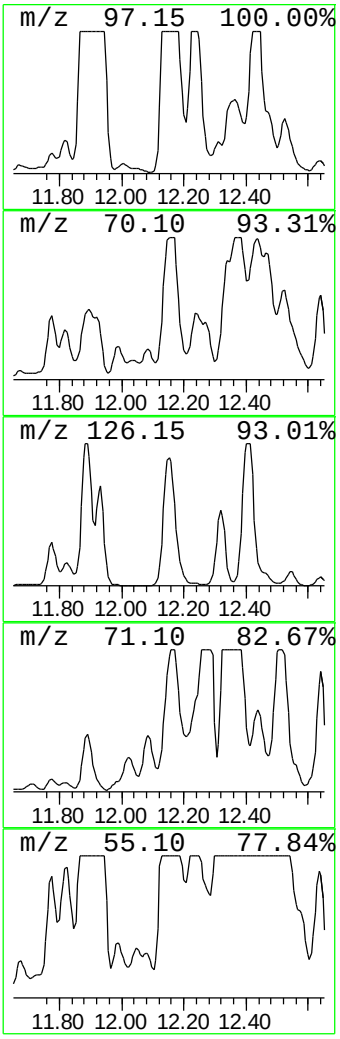
****

Peak Number 41 unknown-03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	1698.74 ug/L	537817000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, 2-methyl-	126	C8H14O	030567-26-1	49
2	2-n-Butylacrolein	112	C7H12O	001070-66-2	46
3	6,8-Dioxabicyclo[3.2.1]octan-4-o...	143	C6H9NO3	1000362-58-7	38
4	(Z)-2-Heptene	98	C7H14	006443-92-1	38
5	Cycloheptane	98	C7H14	000291-64-5	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

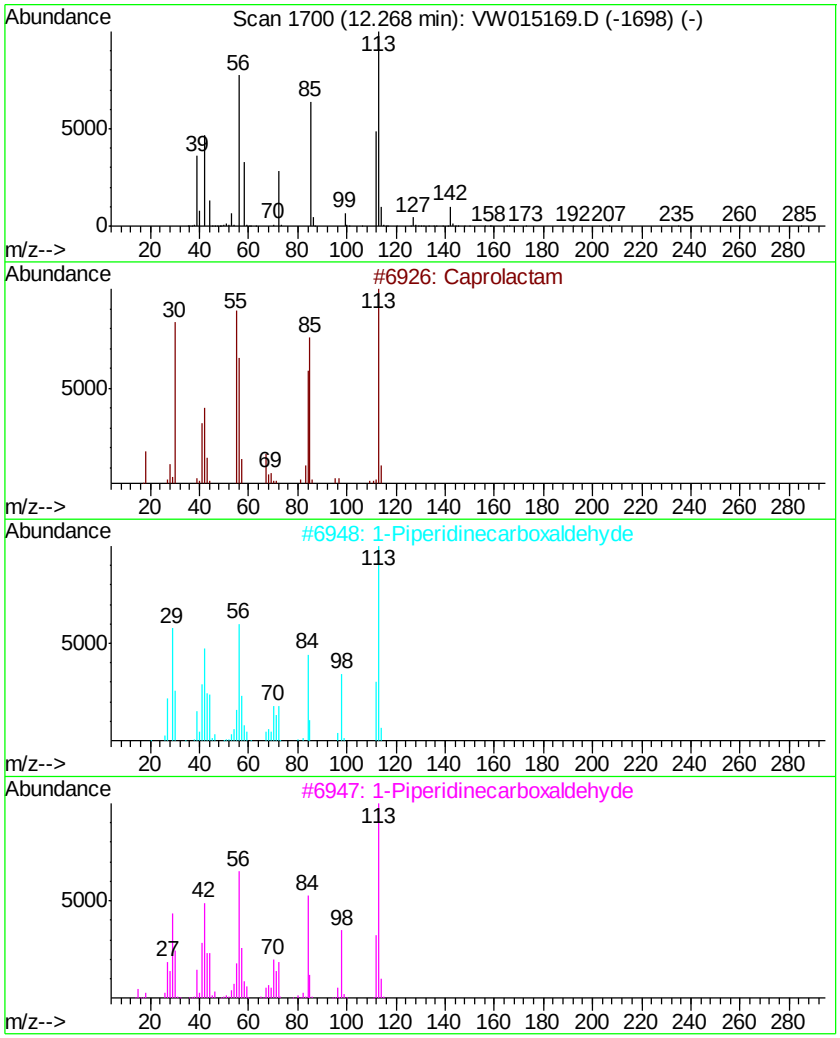
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

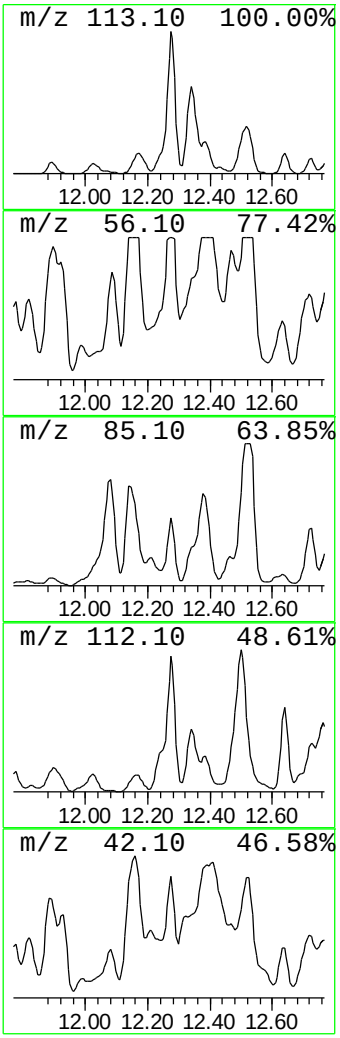
****

Peak Number 42 1-Piperidinecarboxaldehyde Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	186.70 ug/L	59108800	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caprolactam	113	C6H11NO	000105-60-2	58
2	1-Piperidinecarboxaldehyde	113	C6H11NO	002591-86-8	50
3	1-Piperidinecarboxaldehyde	113	C6H11NO	002591-86-8	50
4	Caprolactam	113	C6H11NO	000105-60-2	43
5	trans-1,3-Dimethylsilacyclohexane	128	C7H16Si	101772-69-4	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

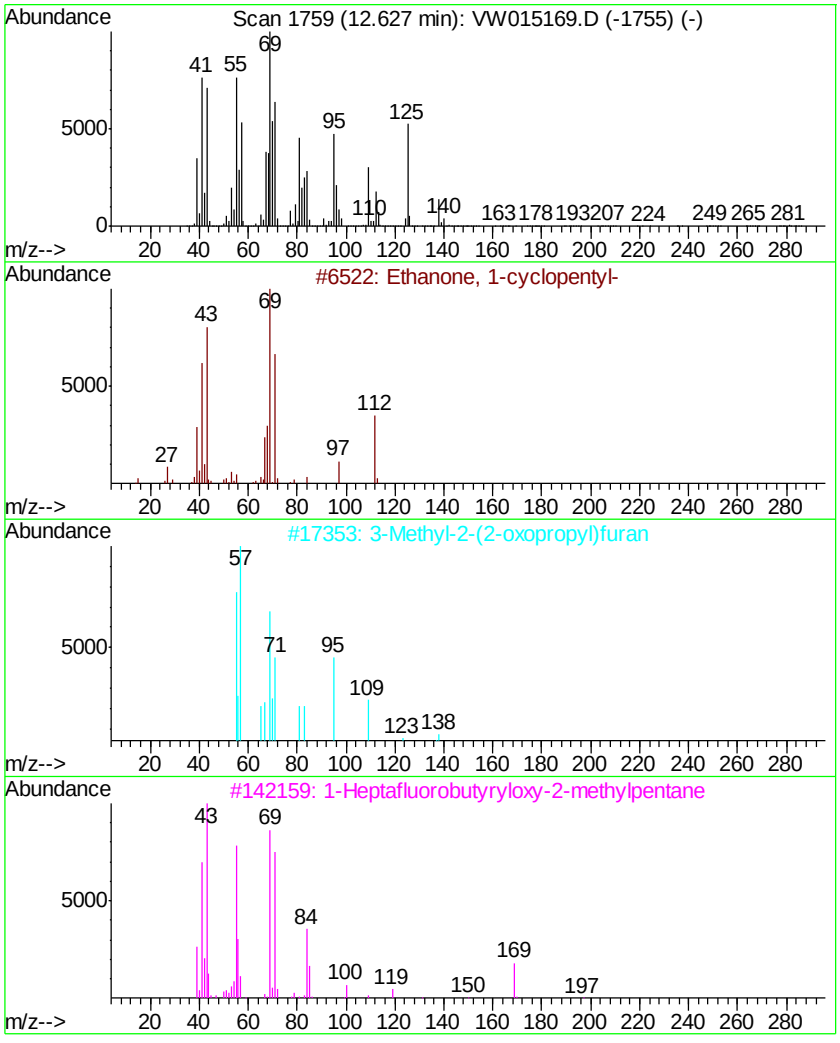
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

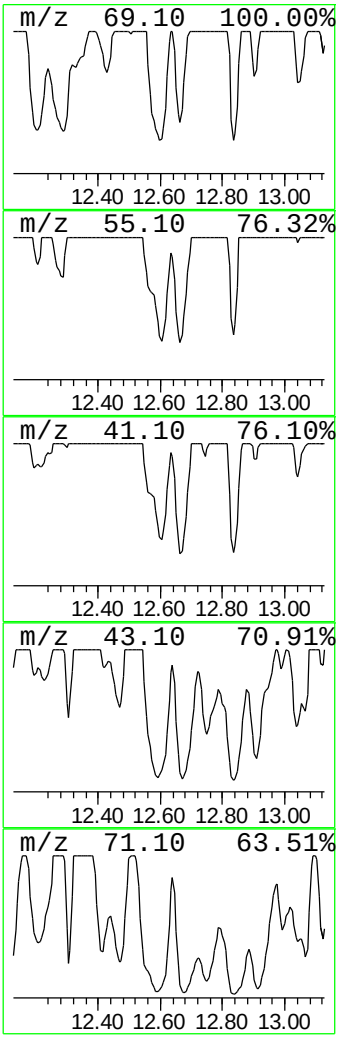
****

Peak Number 43 unknown-04 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	95.88 ug/L	167034000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	49
2	3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	46
3	1-Heptafluorobutyryloxy-2-methyl...	298	C10H13F7O2	155089-98-8	43
4	2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	38
5	7-Oxabicyclo[4.1.0]heptane, 1,5-...	126	C8H14O	162239-52-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

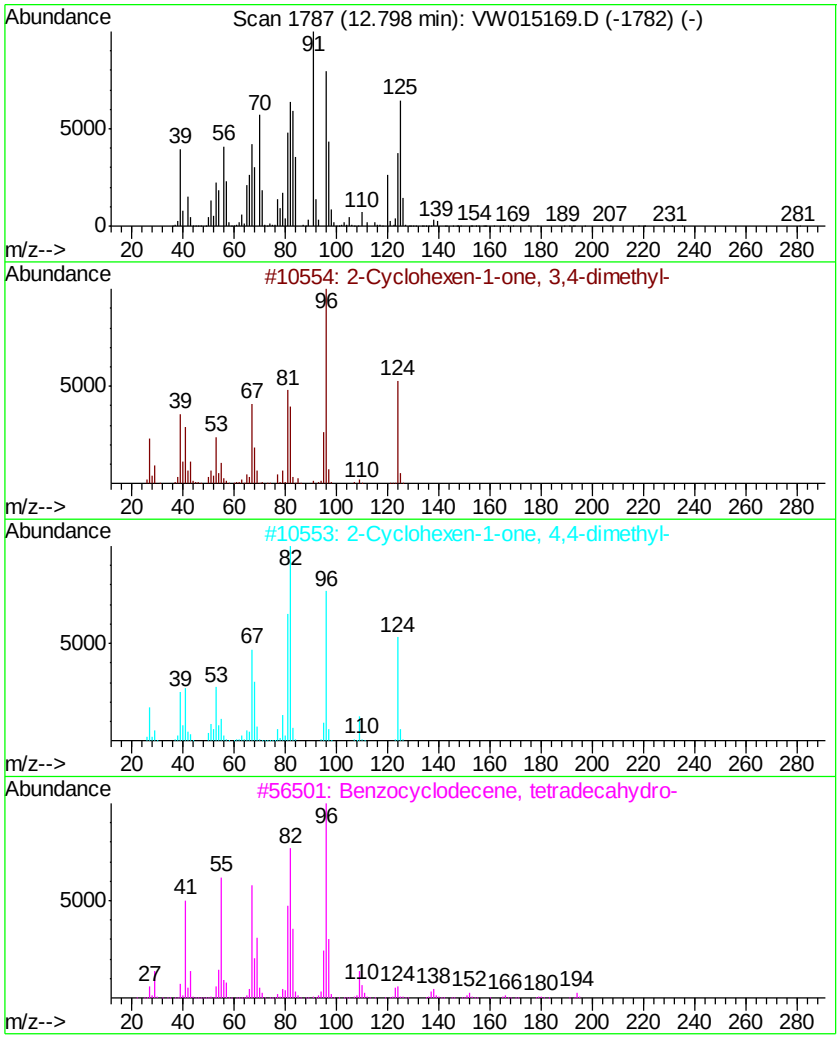
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

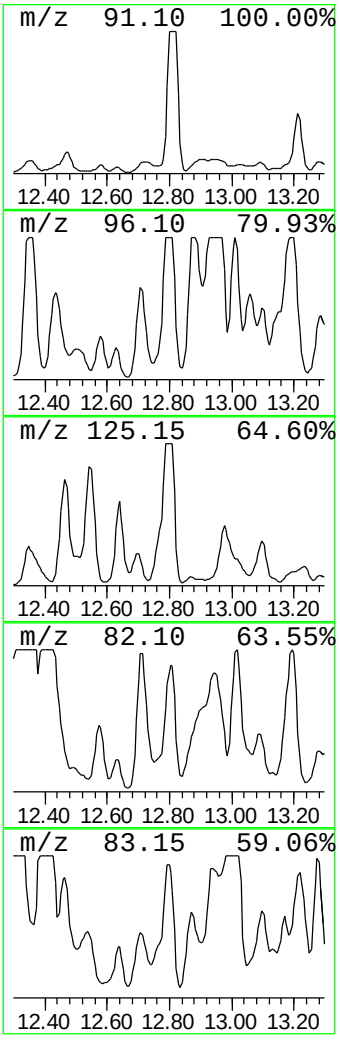
****

Peak Number 44 unknown-05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	312.02 ug/L	543570000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3,4-dimethyl-	124	C8H12O	1000197-00-4	22
2	2-Cyclohexen-1-one, 4,4-dimethyl-	124	C8H12O	001073-13-8	18
3	Benzocyclodecene, tetradecahydro-	194	C14H26	061142-06-1	12
4	2,4-Dimethylfuran	96	C6H8O	003710-43-8	10
5	1H-Imidazole, 1-ethyl-	96	C5H8N2	007098-07-9	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

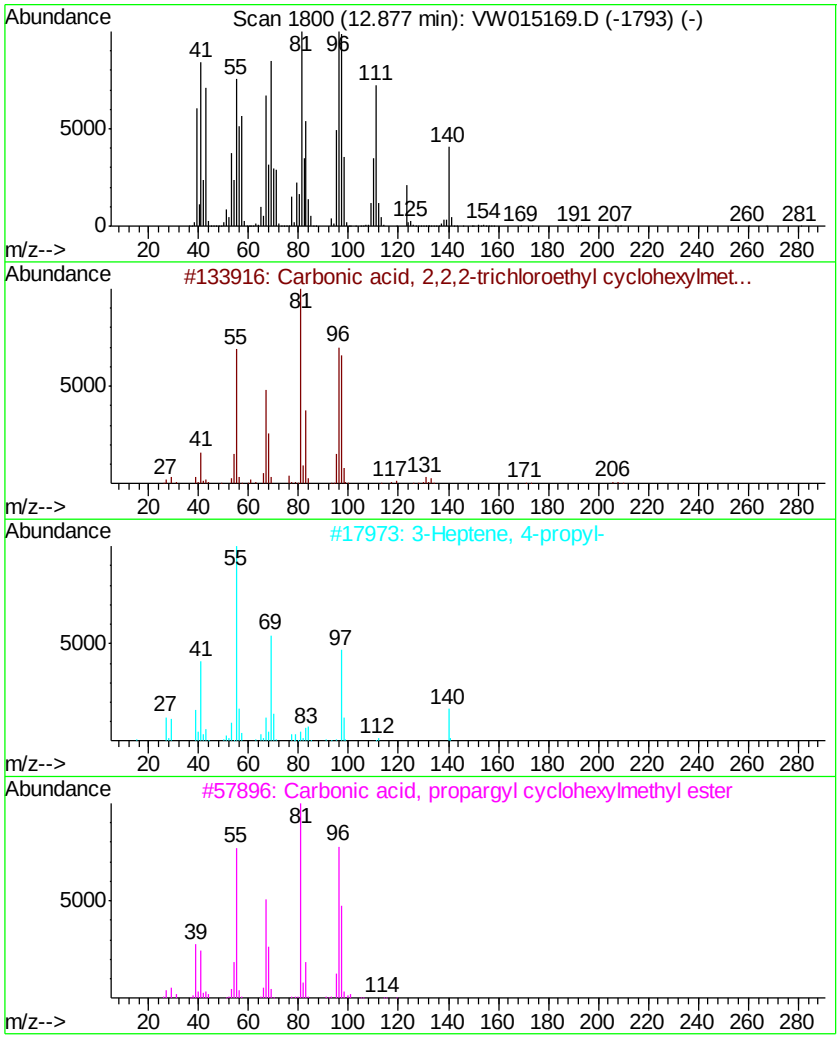
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

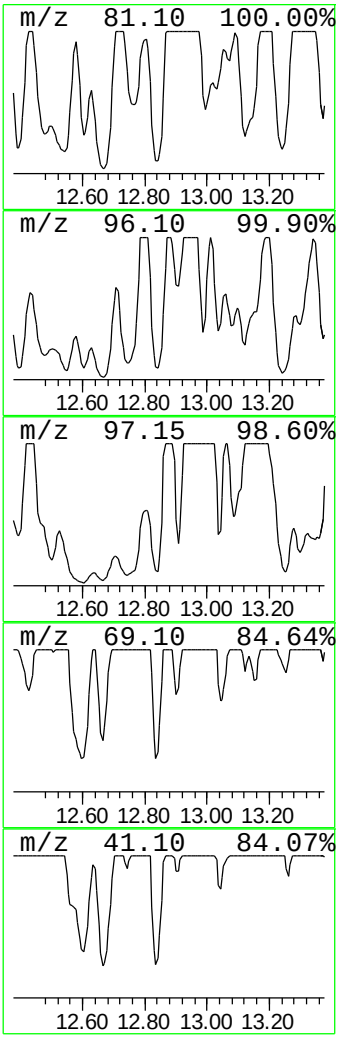
****

Peak Number 45 unknown-06 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	228.01 ug/L	397210000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, 2,2,2-trichloroet...	288	C10H15Cl3O3	1000357-89-8	38
2	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	35
3	Carbonic acid, propargyl cyclohe...	196	C11H16O3	1000357-91-0	27
4	1-Methylcyclooctene	124	C9H16	000933-11-9	22
5	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

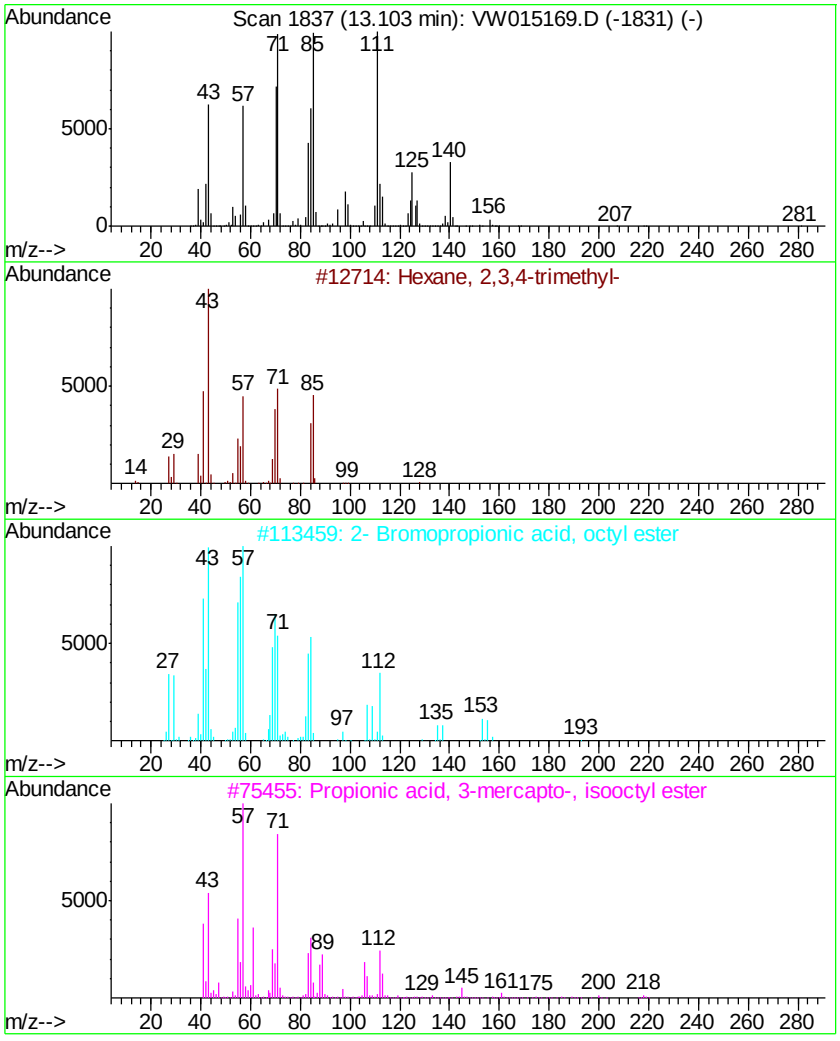
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

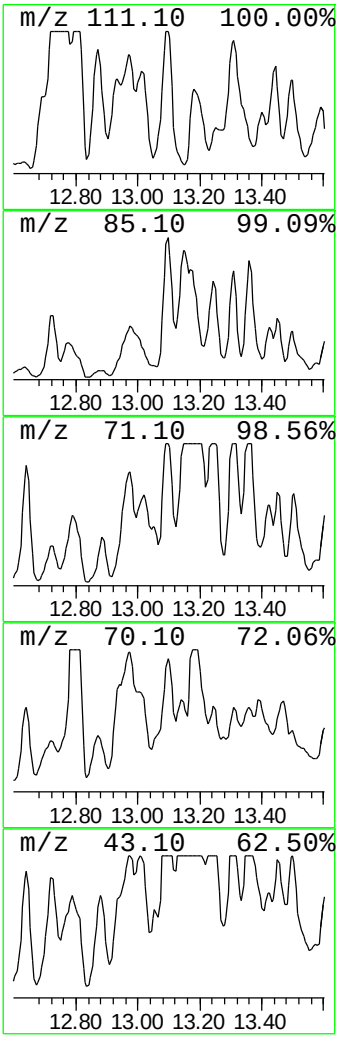
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	85.09 ug/L	148232000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	41
2	2- Bromopropionic acid, octyl ester	264	C11H21BrO2	024625-82-9	22
3	Propionic acid, 3-mercapto-, iso...	218	C11H22O2S	077916-53-1	22
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	18
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	18





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Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

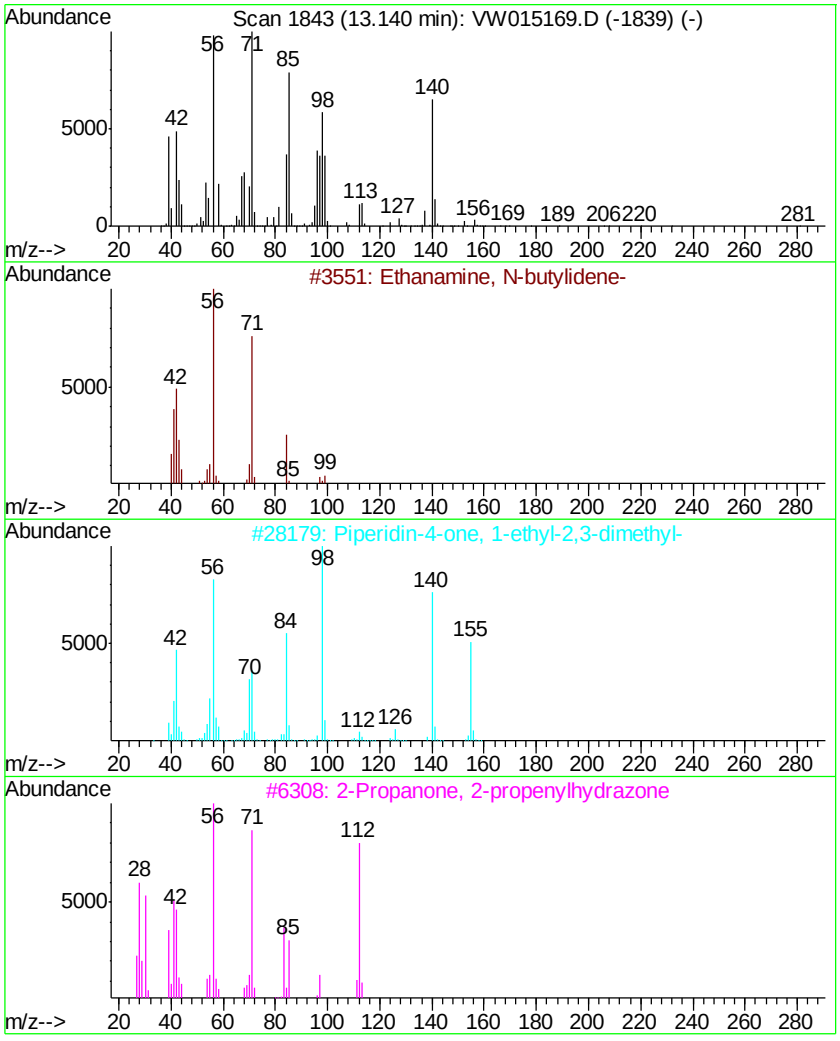
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

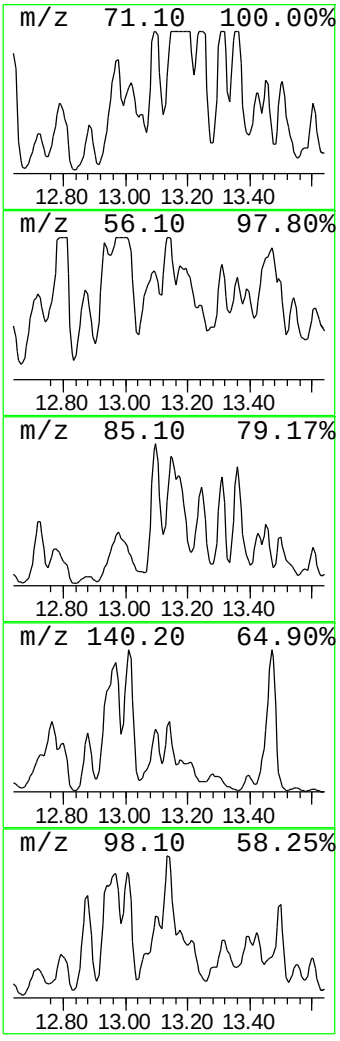
****

Peak Number 47 unknown-07 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	53.02 ug/L	92370300	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanamine, N-butylidene-	99	C6H13N	001611-12-7	32
2	Piperidin-4-one, 1-ethyl-2,3-dim...	155	C9H17NO	1000315-95-6	27
3	2-Propanone, 2-propenylhydrazone	112	C6H12N2	019031-79-9	25
4	10-Methylundecan-4-olide	198	C12H22O2	1000370-40-5	22
5	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

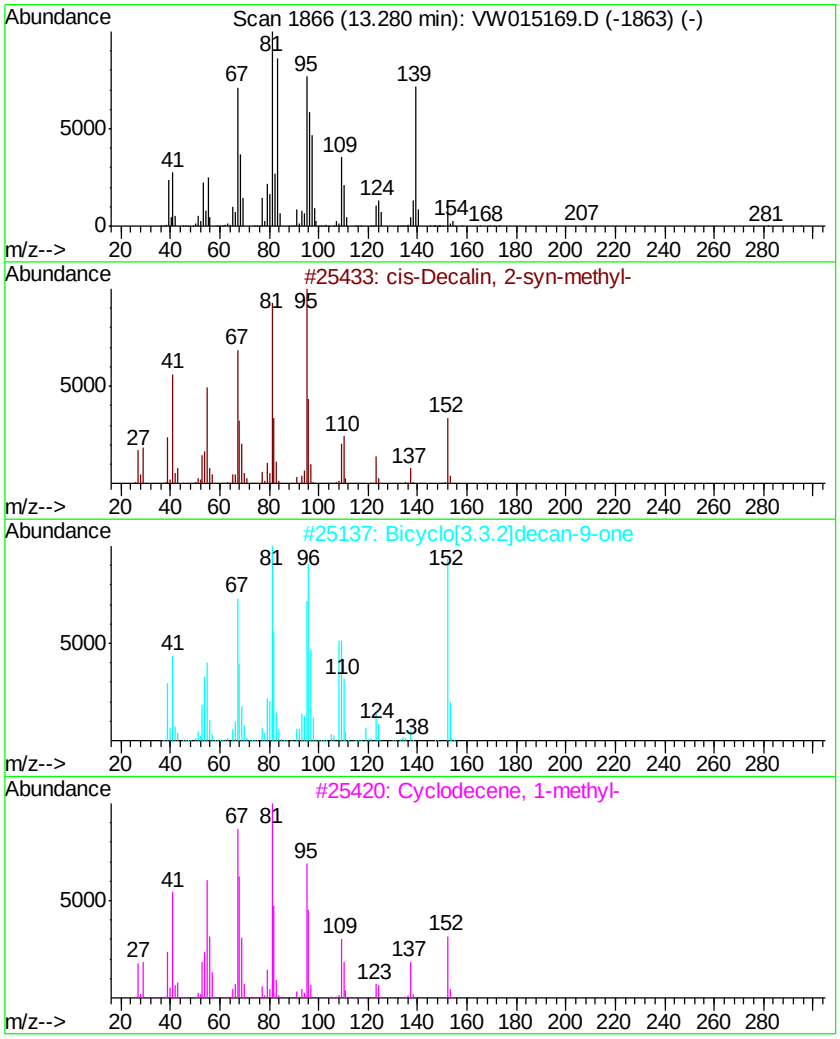
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

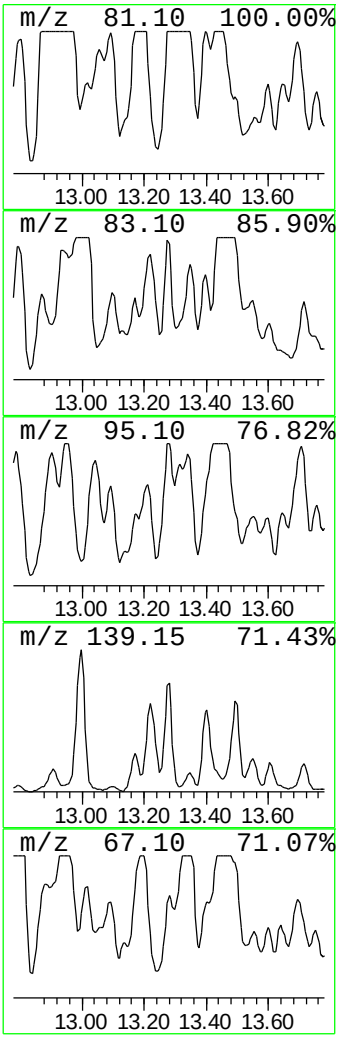
****

Peak Number 48 cis-Decalin, 2-syn-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	25.27 ug/L	44020000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
2	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	78
3	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	58
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
5	Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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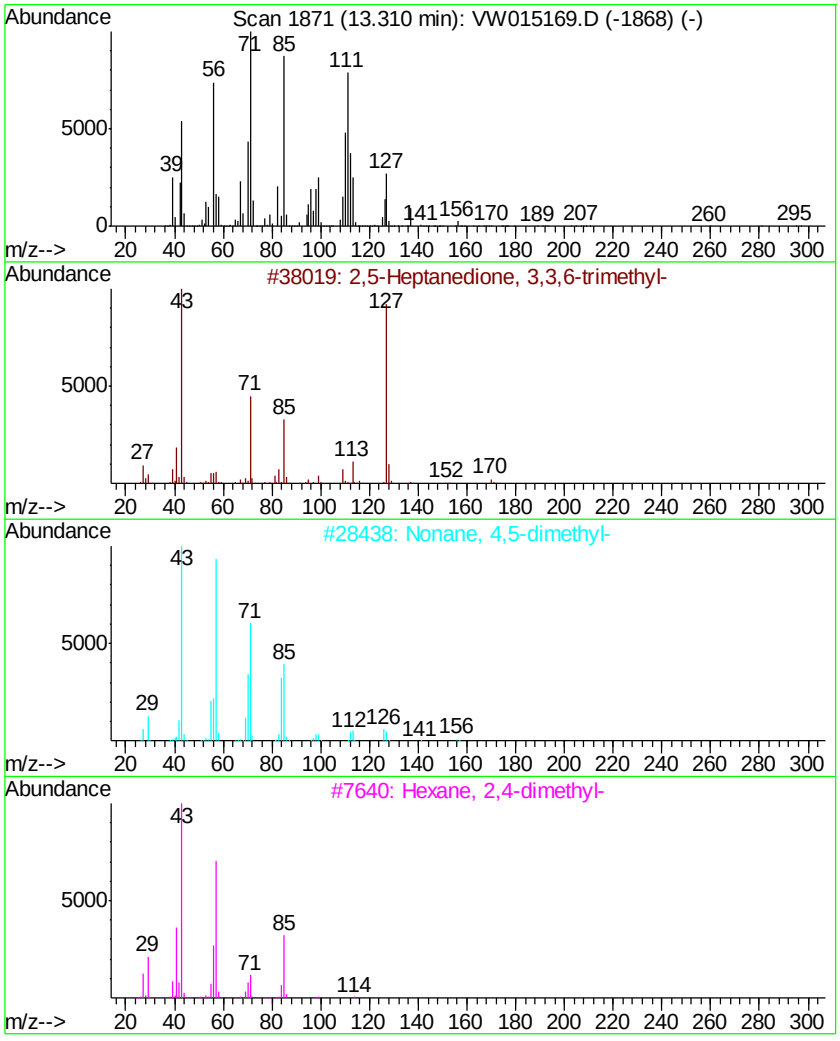
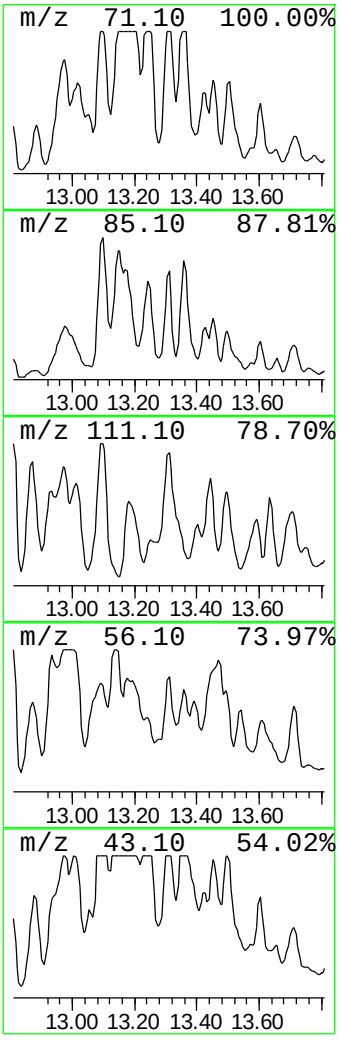
Peak Number 49 unknown-08 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	42.96 ug/L	74838400	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Heptanedione, 3,3,6-trimethyl-	170	C10H18O2	051513-40-7	27
2	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	27
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	27
4	2(3H)-Furanone, 5-ethenyldihydro...	126	C7H10O2	001073-11-6	25
5	2,5-Dihydroxyheptane	132	C7H16O2	070444-25-6	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

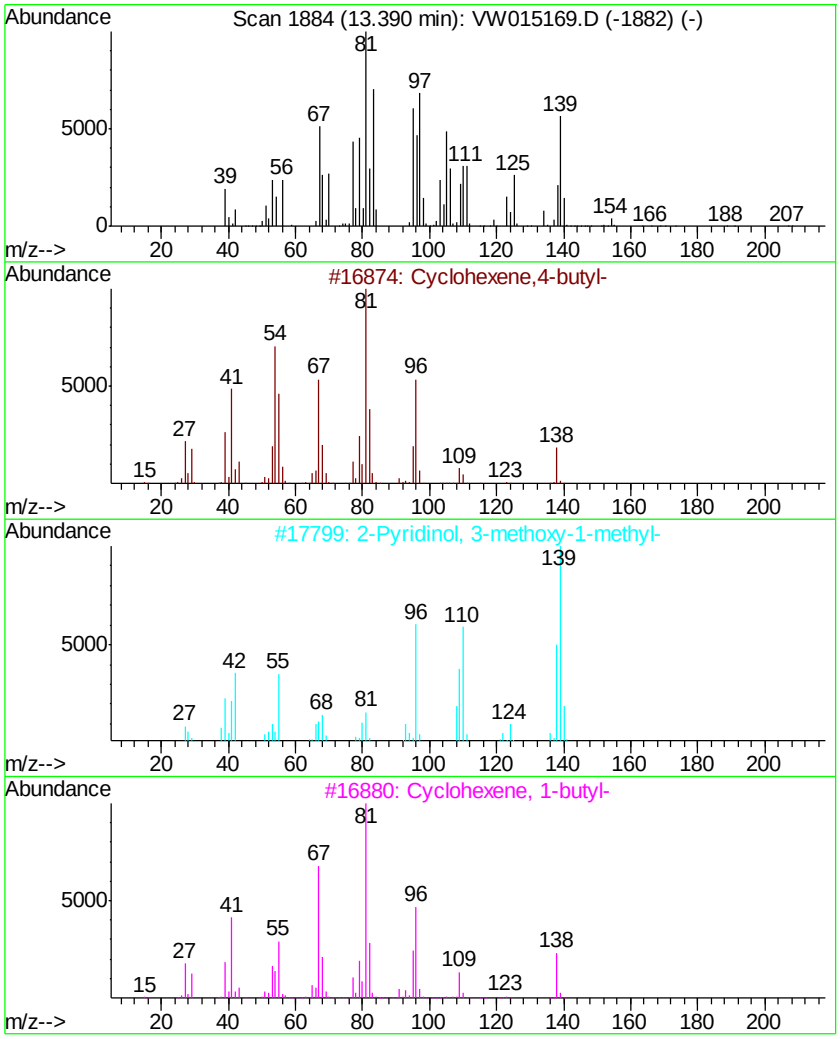
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

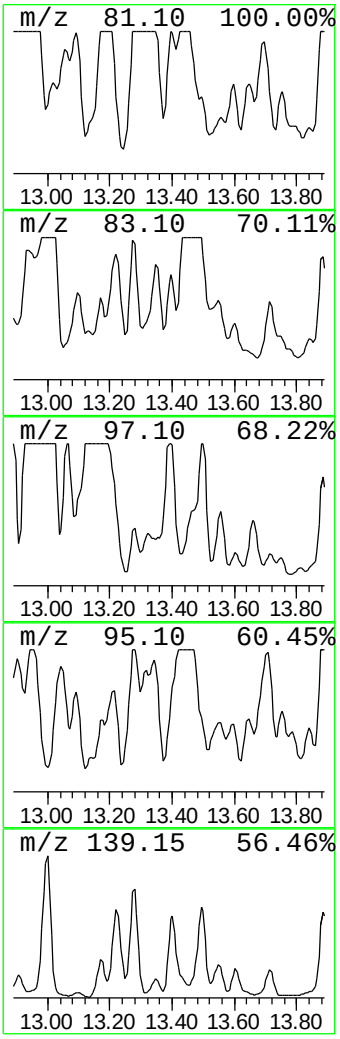
****

Peak Number 50 unknown-09 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	42.03 ug/L	73225500	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,4-butyl-	138	C10H18	021524-26-5	38
2	2-Pyridinol, 3-methoxy-1-methyl-	139	C7H9NO2	054955-13-4	38
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	38
4	Ethylidenecyclooctane	138	C10H18	019780-51-9	38
5	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

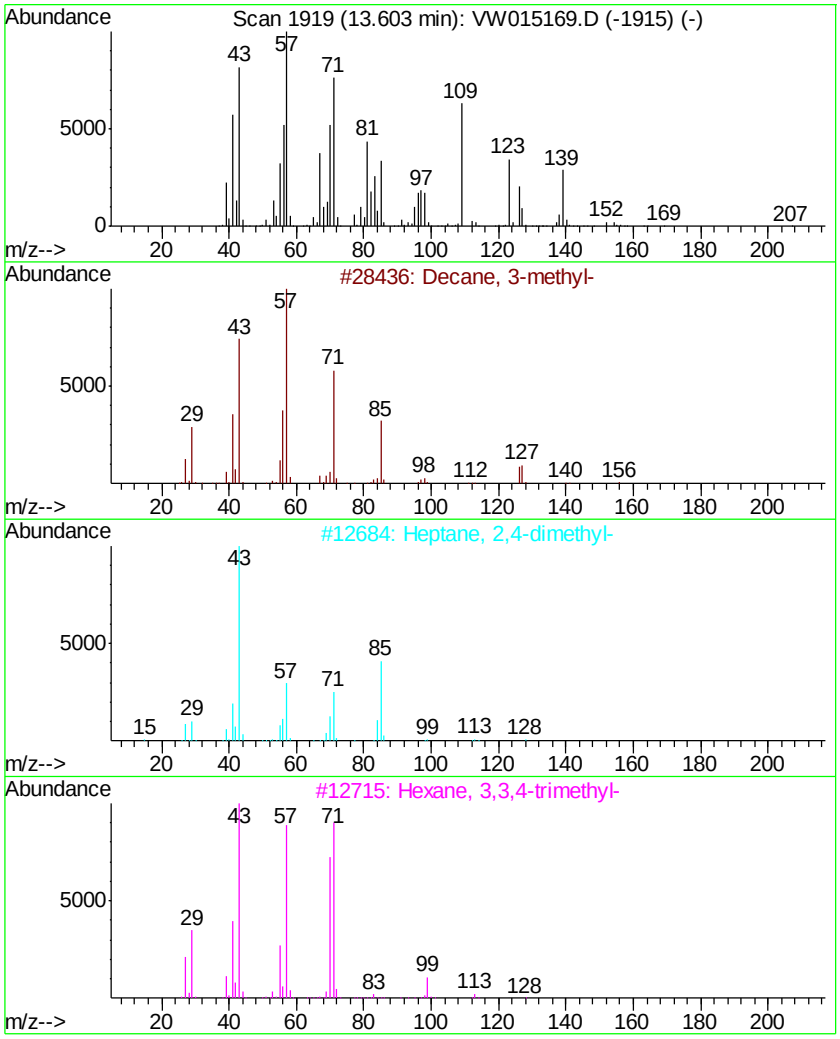
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

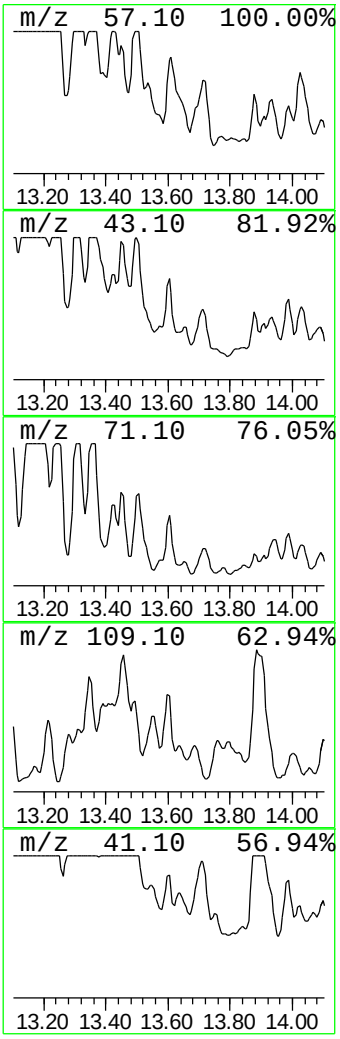
****

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	25.00 ug/L	43552000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	49
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	35
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	27
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	27
5	1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

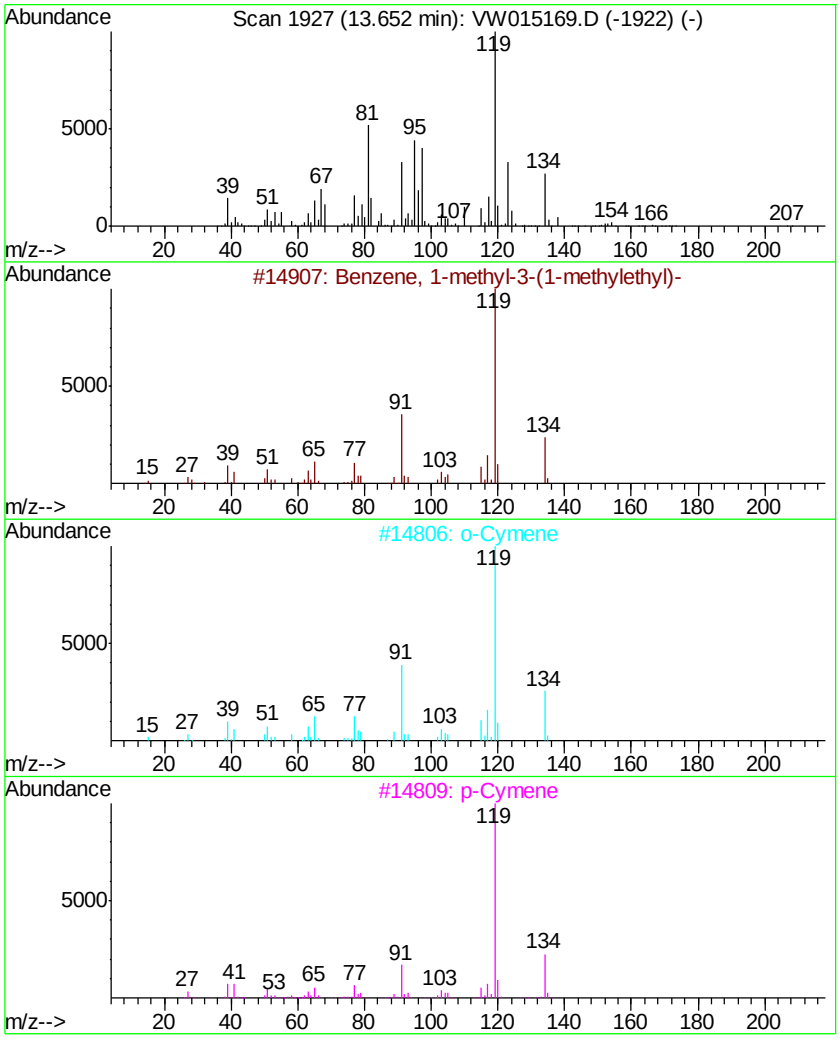
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

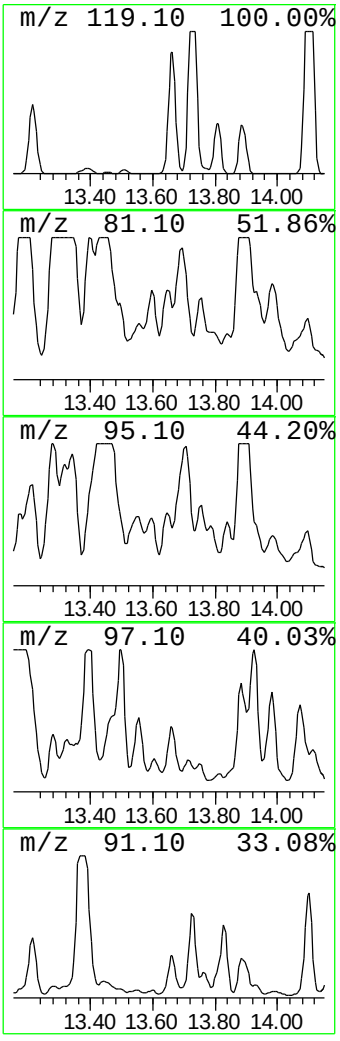
****

Peak Number 52 Benzene, 1-methyl-3-(1-meth... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	33.21 ug/L	57855900	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	o-Cymene	134	C10H14	000527-84-4	89
3	p-Cymene	134	C10H14	000099-87-6	87
4	p-Cymene	134	C10H14	000099-87-6	86
5	o-Cymene	134	C10H14	000527-84-4	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

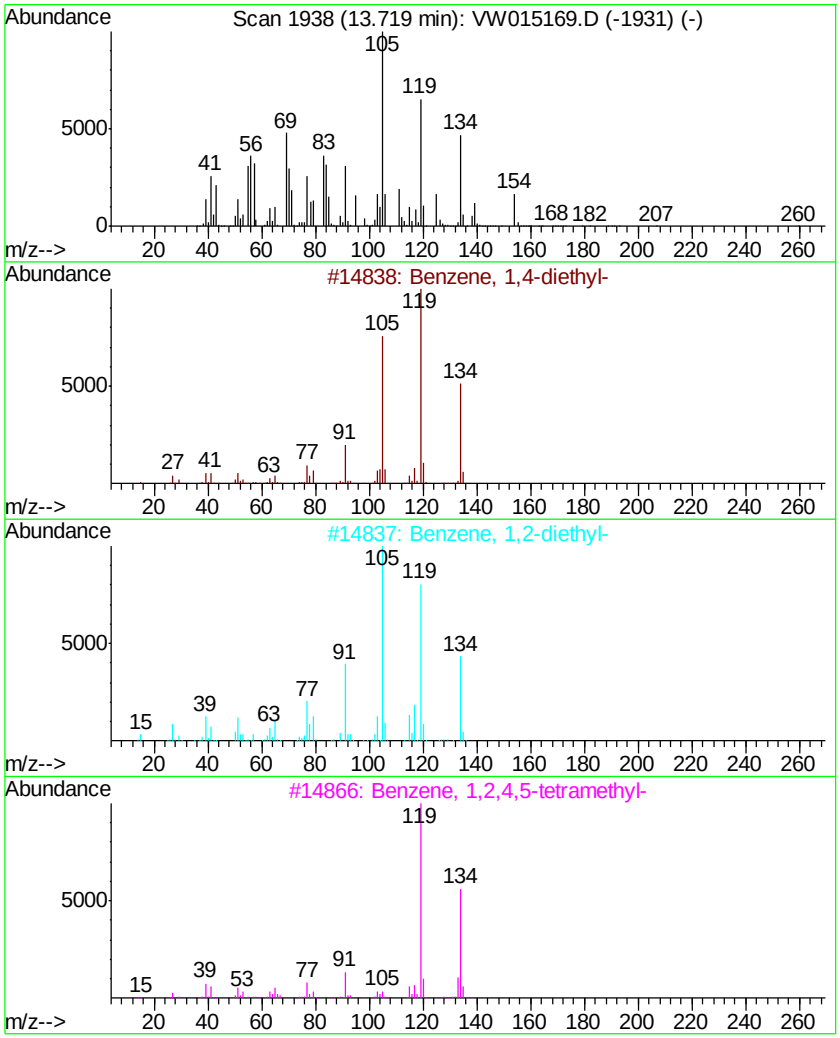
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

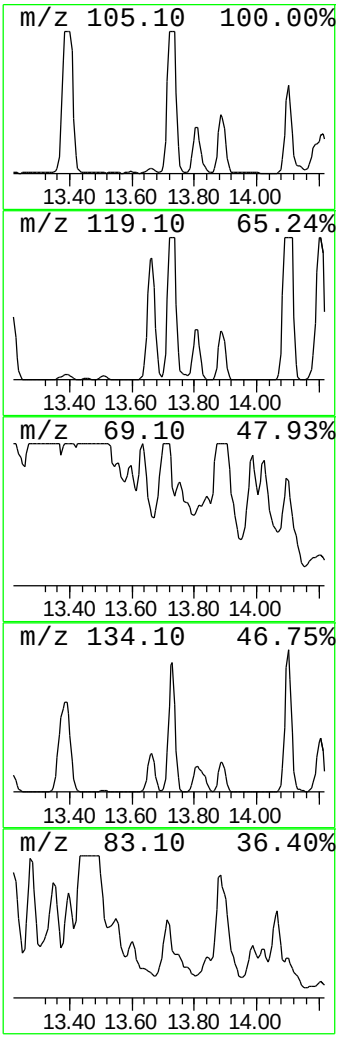
****

Peak Number 53 Benzene, 1,4-diethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	90.78 ug/L	158142000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	60
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46
4	Ethanone, 1-(2-methylphenyl)-	134	C9H10O	000577-16-2	46
5	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

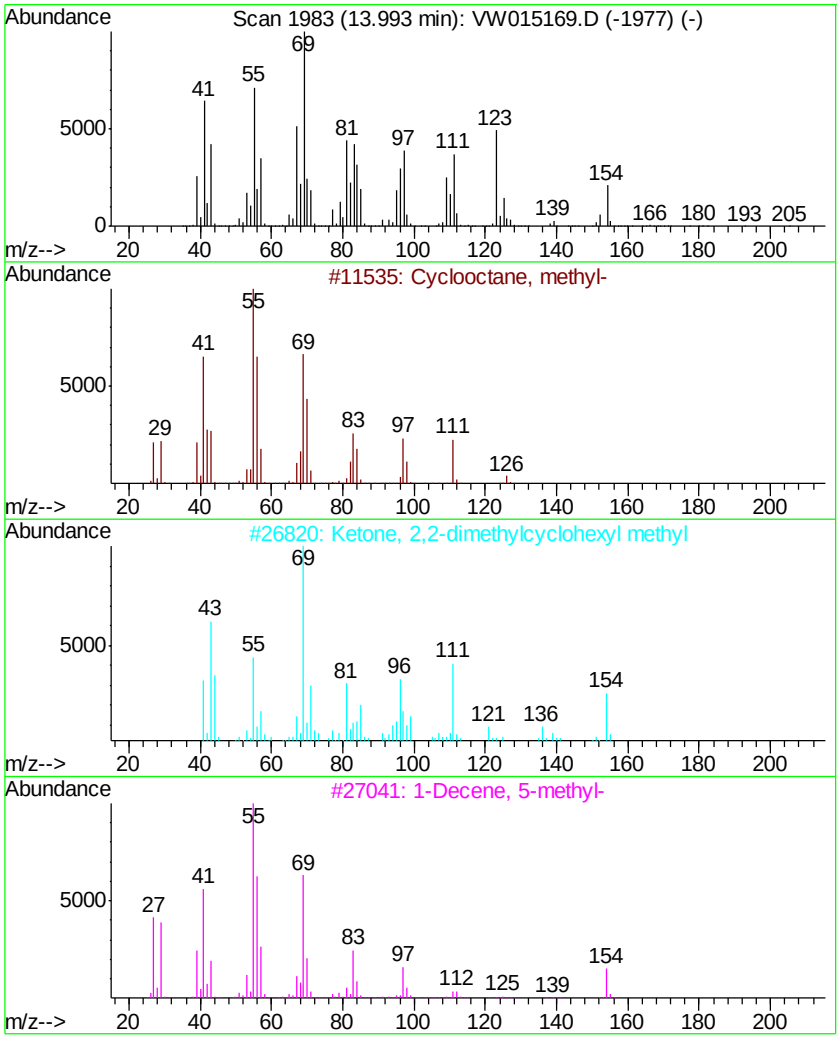
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

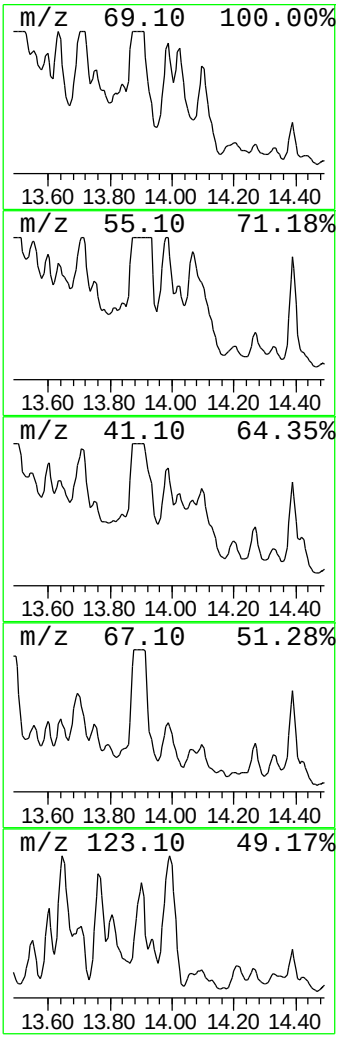
****

Peak Number 54 (DEL) Alkane: Cyclic13.99 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	52.76 ug/L	91916600	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, methyl-	126	C9H18	001502-38-1	43
2	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	43
3	1-Decene, 5-methyl-	154	C11H22	054244-79-0	38
4	Bicyclo[2.2.2]octan-1-amine	125	C8H15N	001193-42-6	30
5	Glycine, furan-2-yl-methyl ester	155	C7H9NO3	1000306-78-7	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

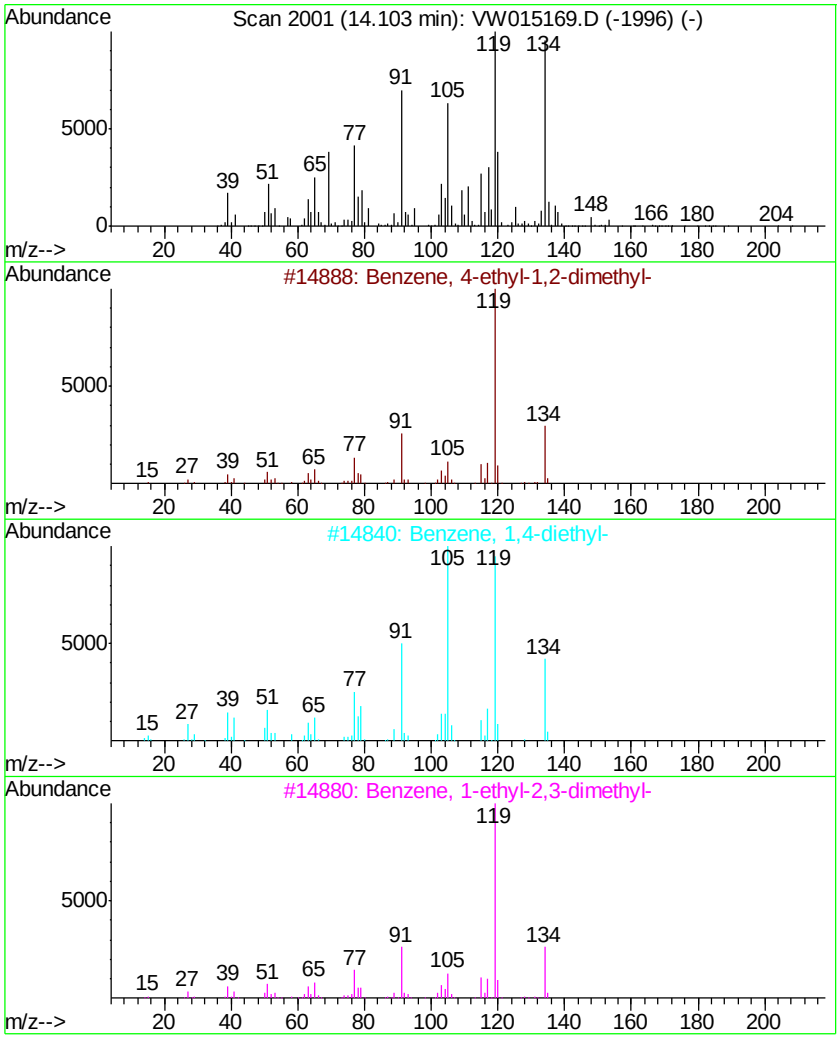
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

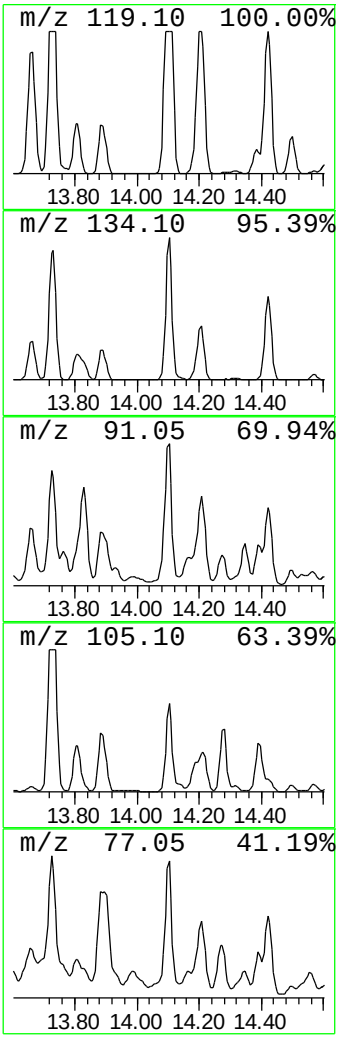
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	109.71 ug/L	191126000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	78
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	60
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

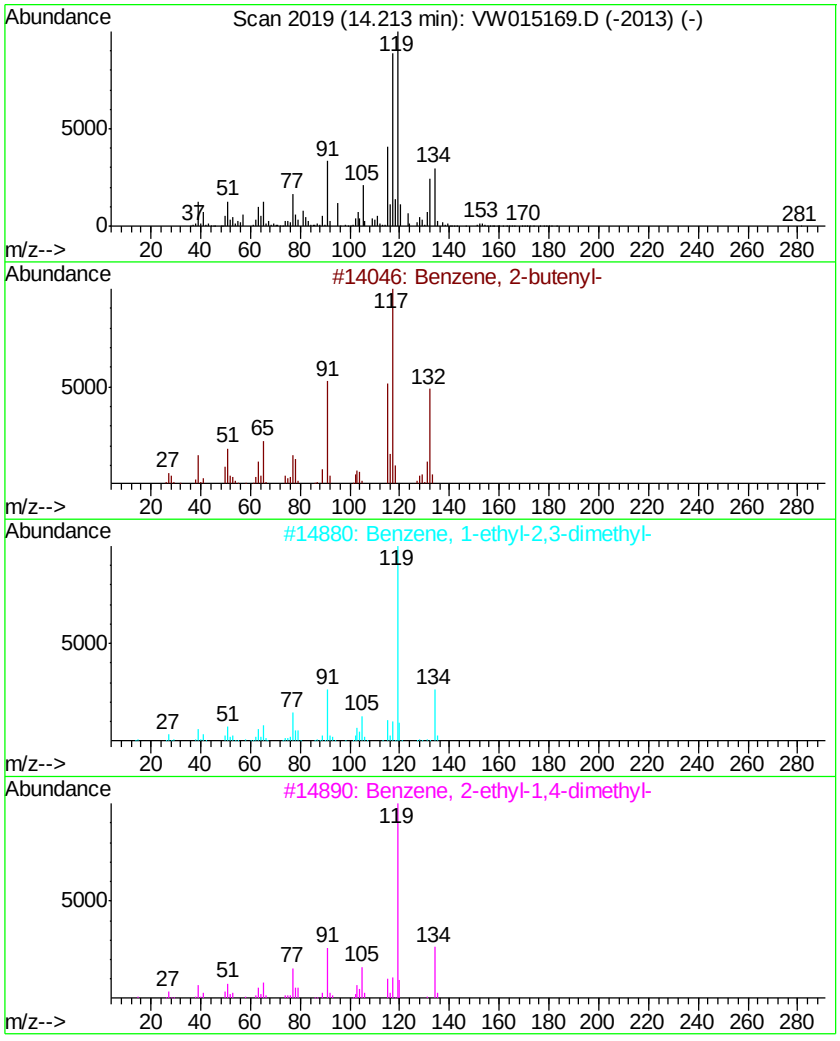
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

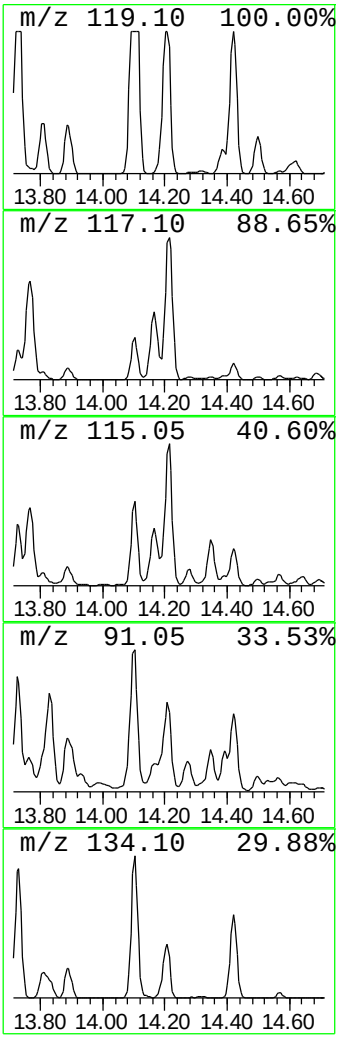
****

Peak Number 56 Benzene, 2-butenyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	62.23 ug/L	108411000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

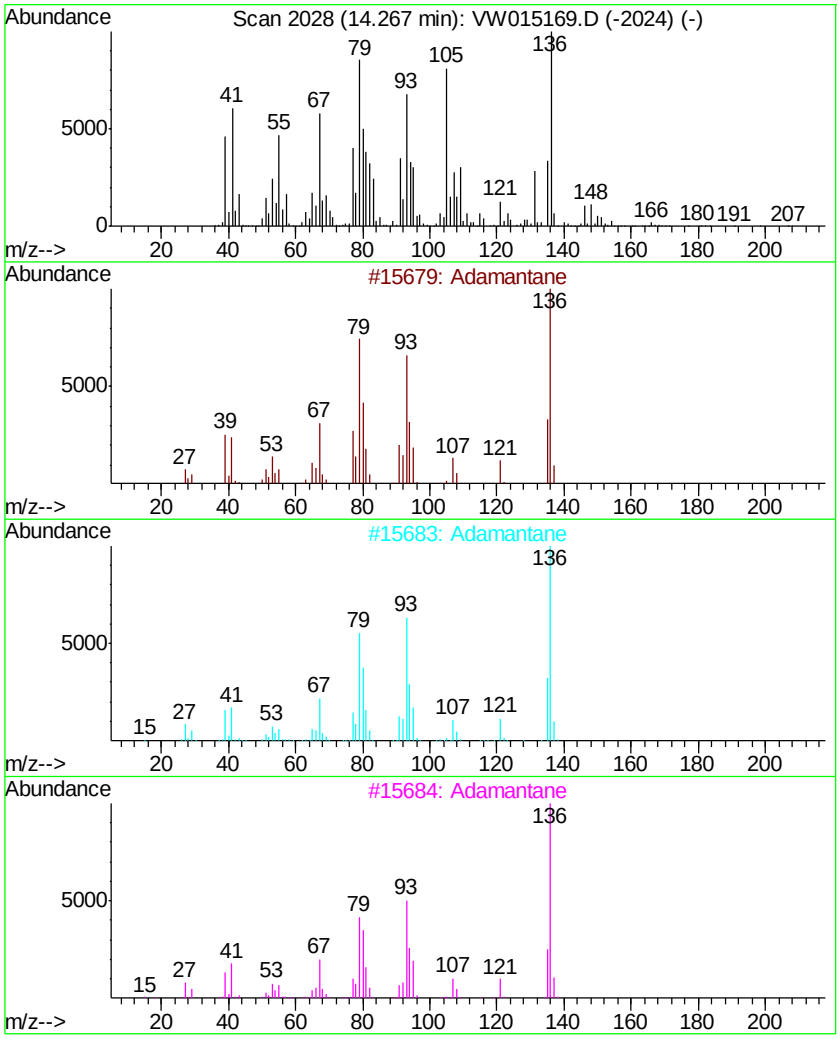
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

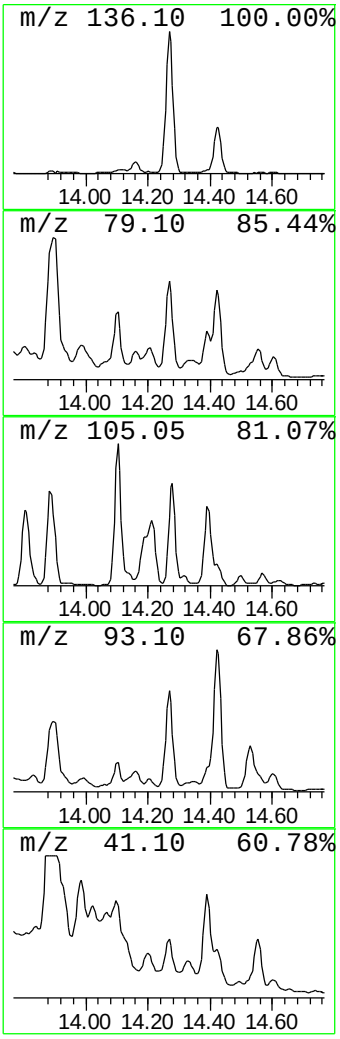
****

Peak Number 57 Adamantane Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	39.13 ug/L	68168200	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	90
2	Adamantane	136	C10H16	000281-23-2	81
3	Adamantane	136	C10H16	000281-23-2	68
4	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	62
5	Cyclopentene, 3-isopropenyl-5,5-...	136	C10H16	1000162-25-4	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

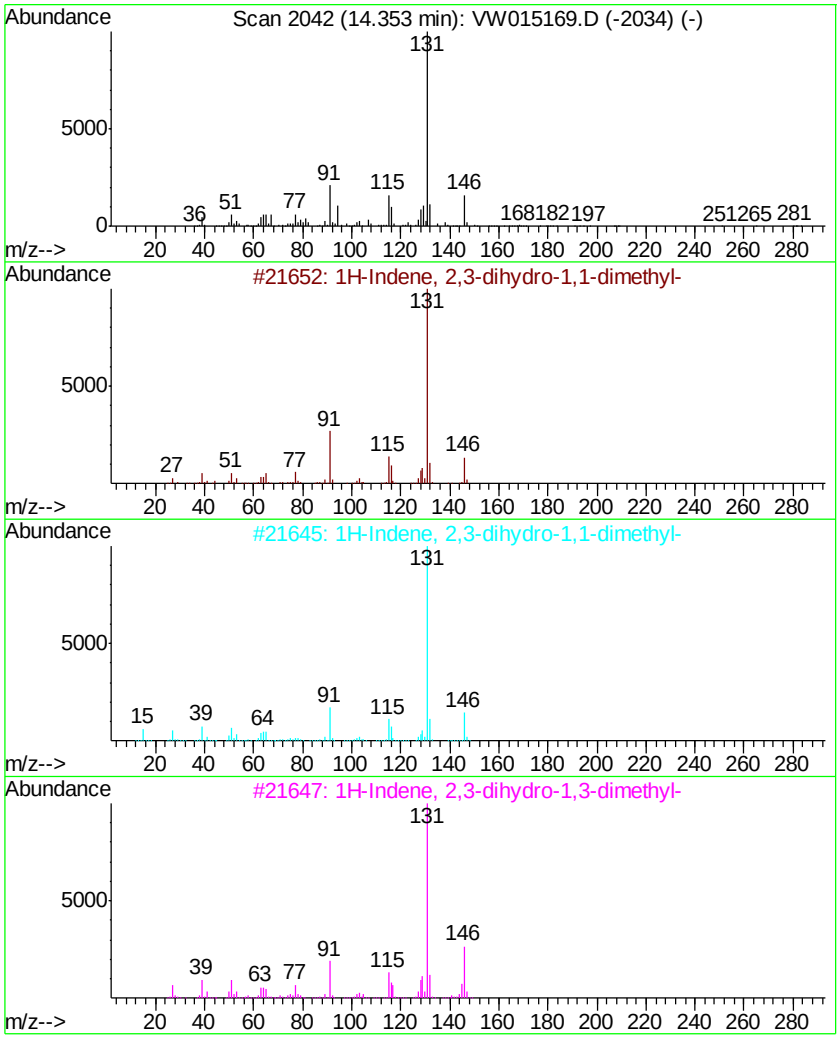
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

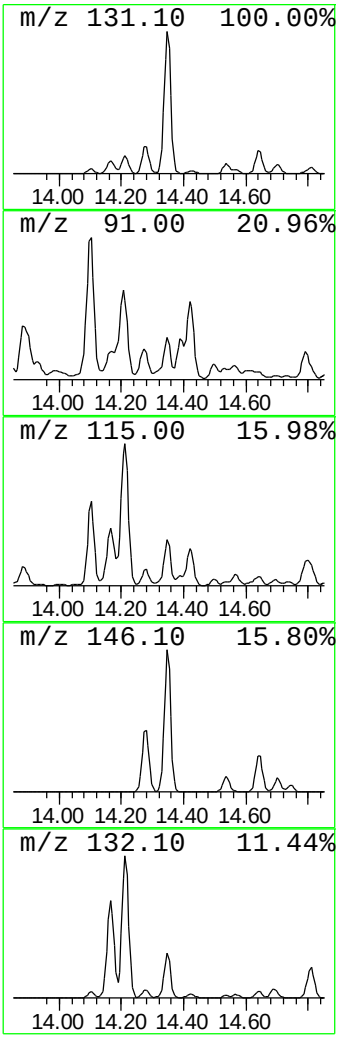
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	24.48 ug/L	42653900	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Cyclopropane, 1-chloro-1-methyl-...	166	C10H11Cl	1000161-07-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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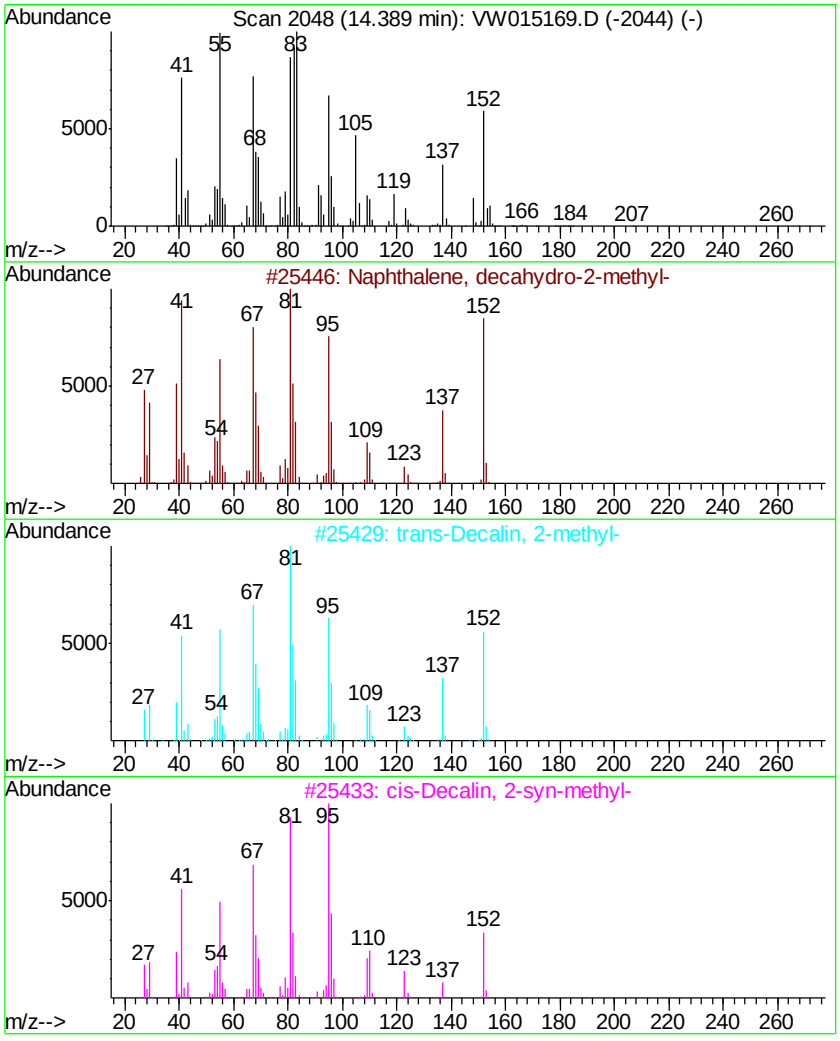
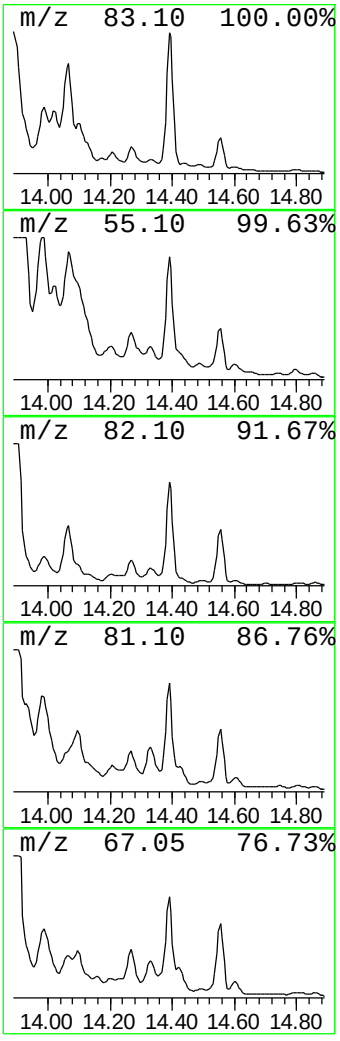
Peak Number 59 trans-Decalin, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	67.33 ug/L	117296000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	91
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	70
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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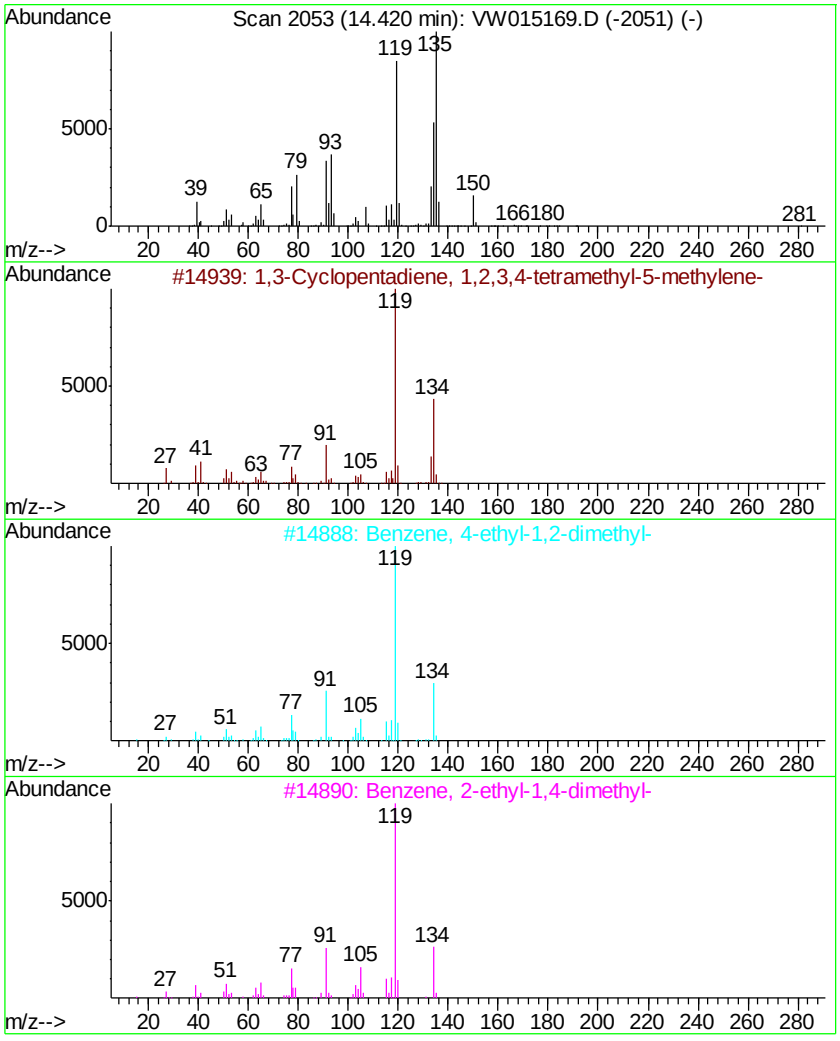
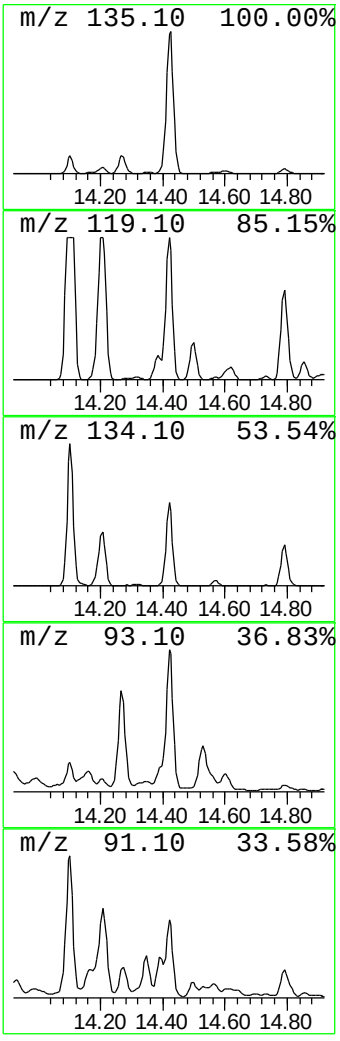
Peak Number 60 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	54.38 ug/L	94741000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	55
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
4	Benzamide, 4-methyl-	135	C8H9NO	000619-55-6	49
5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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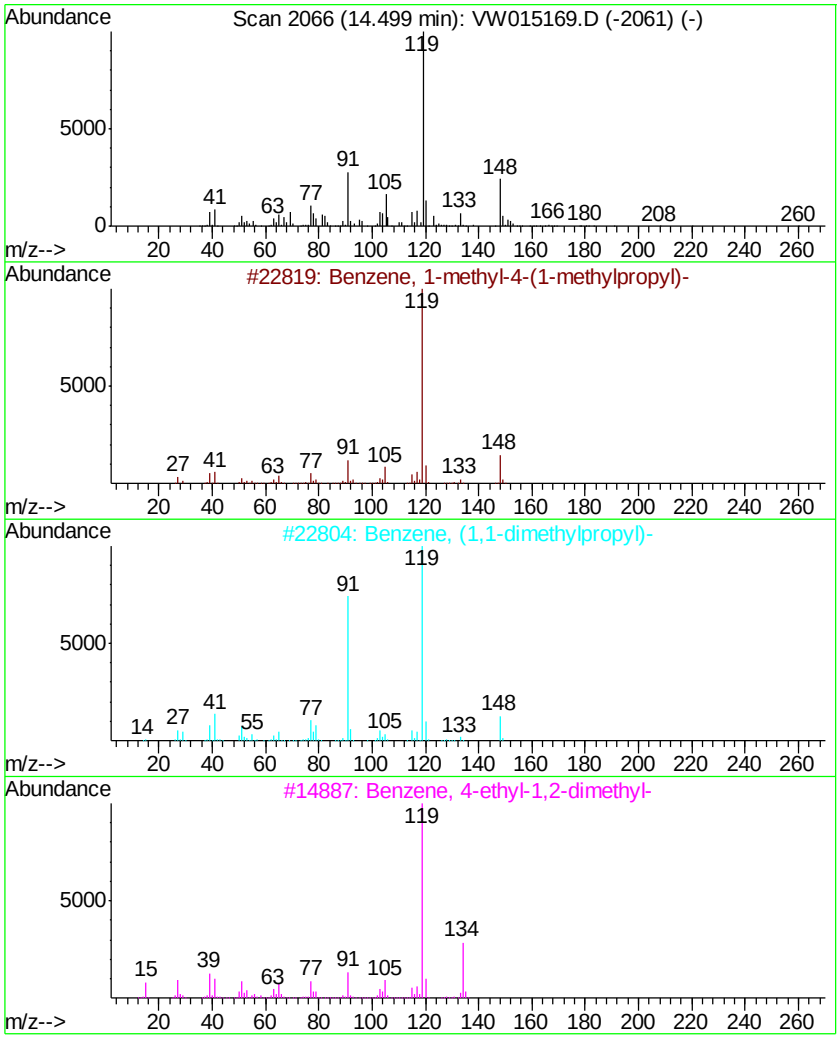
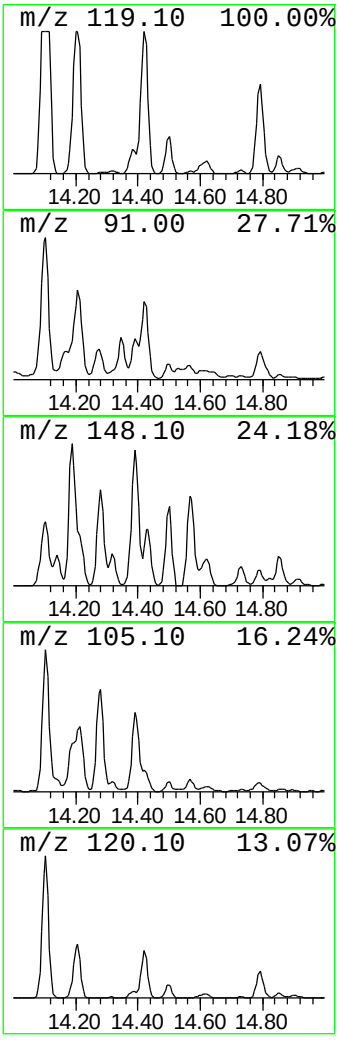
Peak Number 61 Benzene, 1-methyl-4-(1-meth... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	6.81 ug/L	11856600	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	68
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	68
5	p-Cymene	134	C10H14	000099-87-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

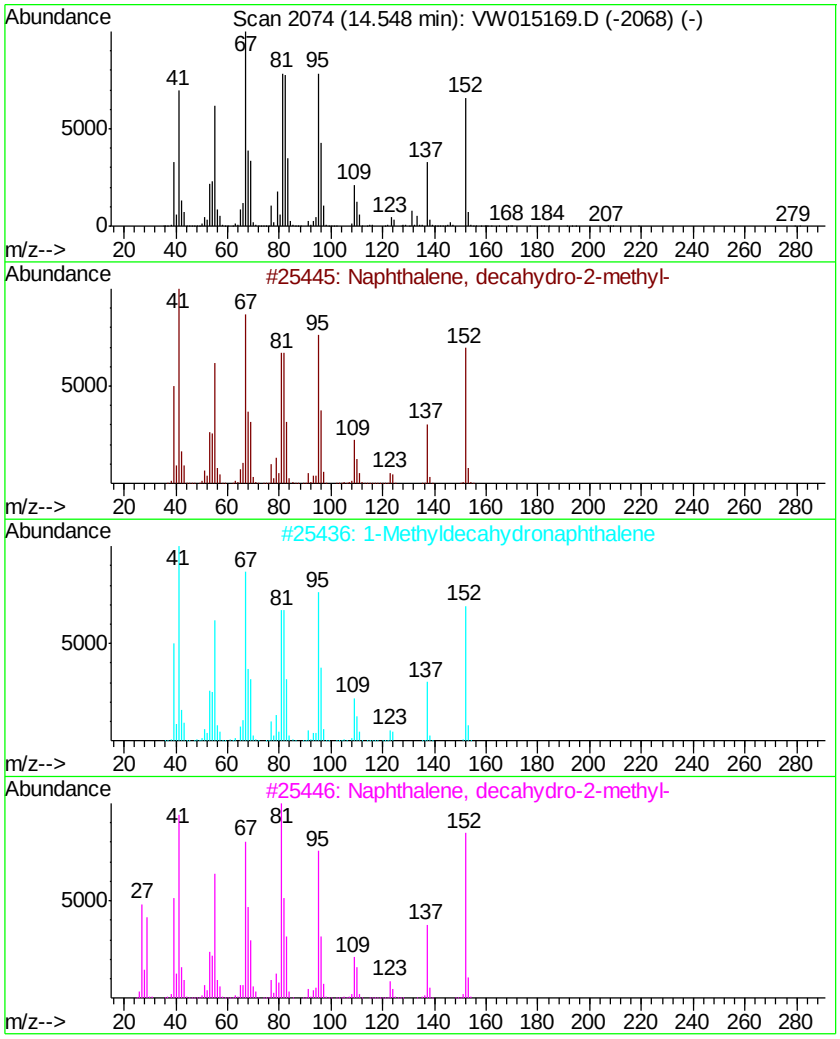
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

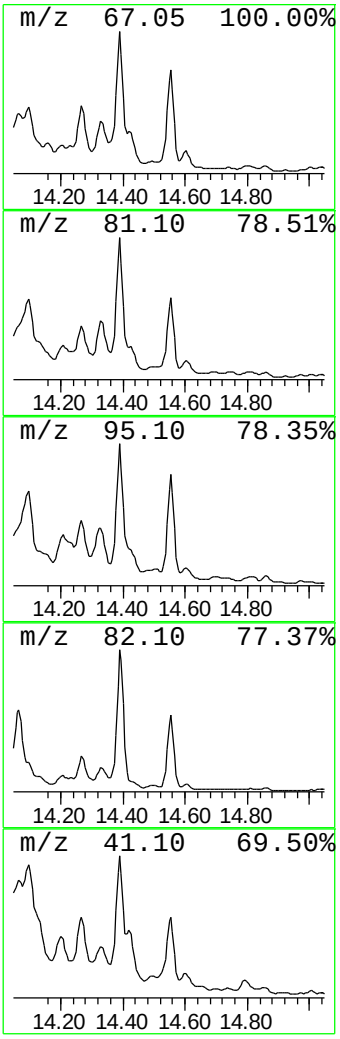
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Naphthalene, decahydro-2-me... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	41.01 ug/L	71443800	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	78
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

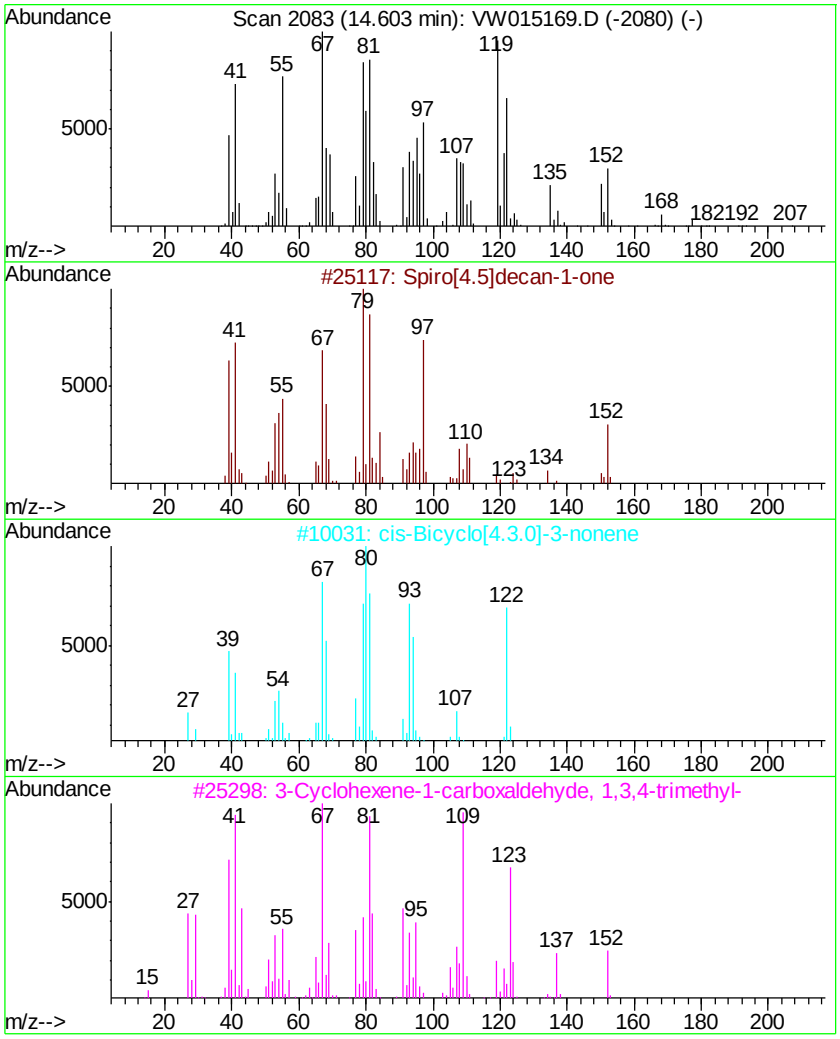
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

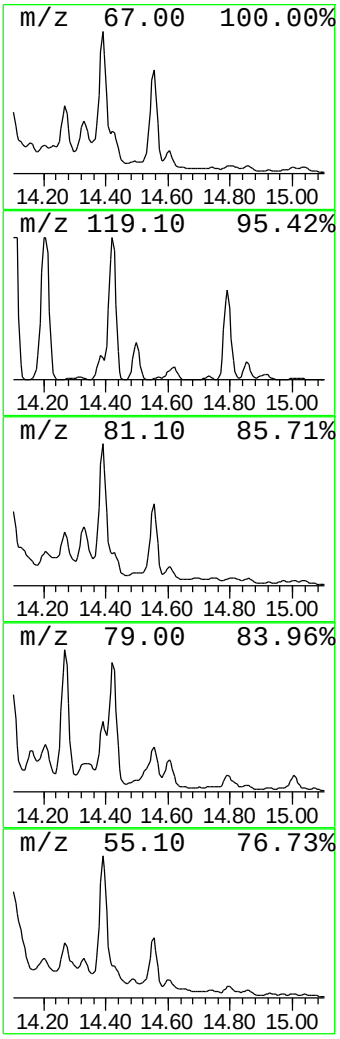
****

Peak Number 63 Spiro[4.5]decan-1-one Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	6.62 ug/L	11538800	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[4.5]decan-1-one	152	C10H16O	004728-91-0	53
2	cis-Bicyclo[4.3.0]-3-nonene	122	C9H14	085236-78-8	50
3	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	43
4	4,7-Ethano-1H-indene, octahydro-	150	C11H18	038255-97-9	42
5	Carane, 4,5-epoxy-, trans	152	C10H16O	006909-20-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

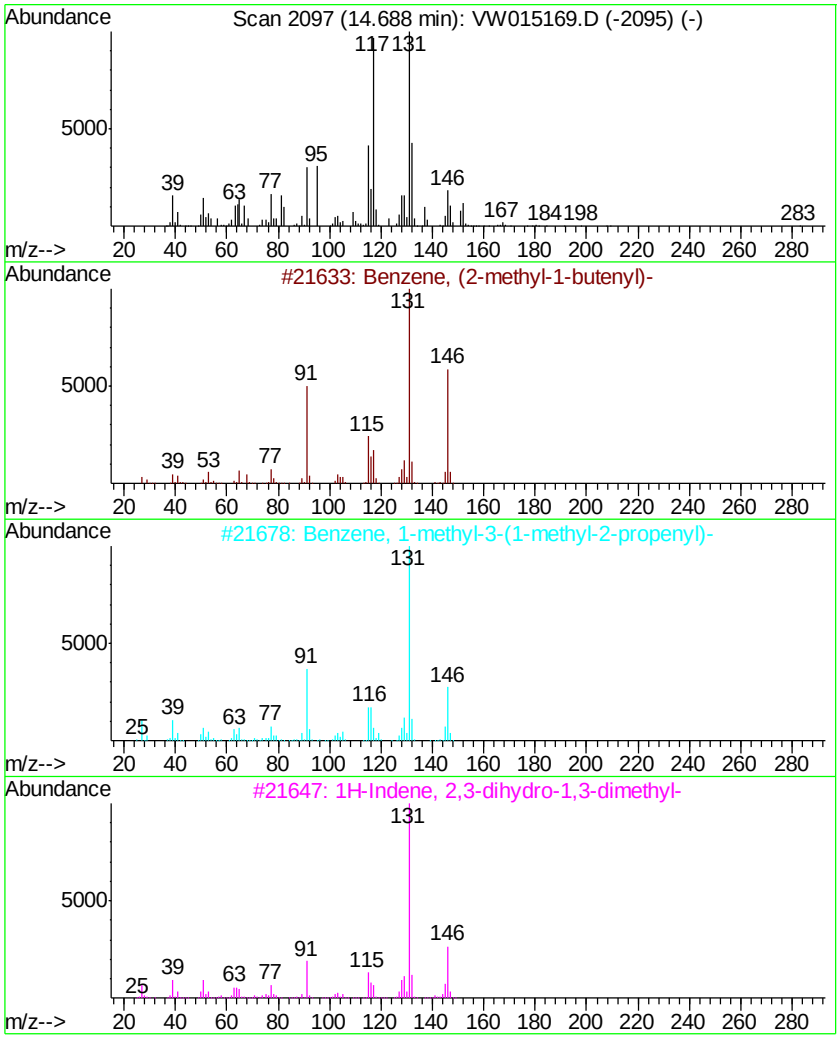
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

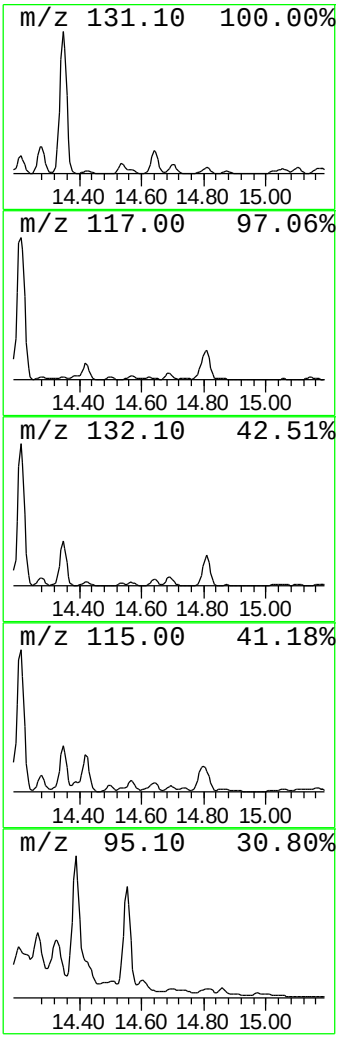
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Benzene, (2-methyl-1-butenyl)- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	1.50 ug/L	2608020	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	62
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

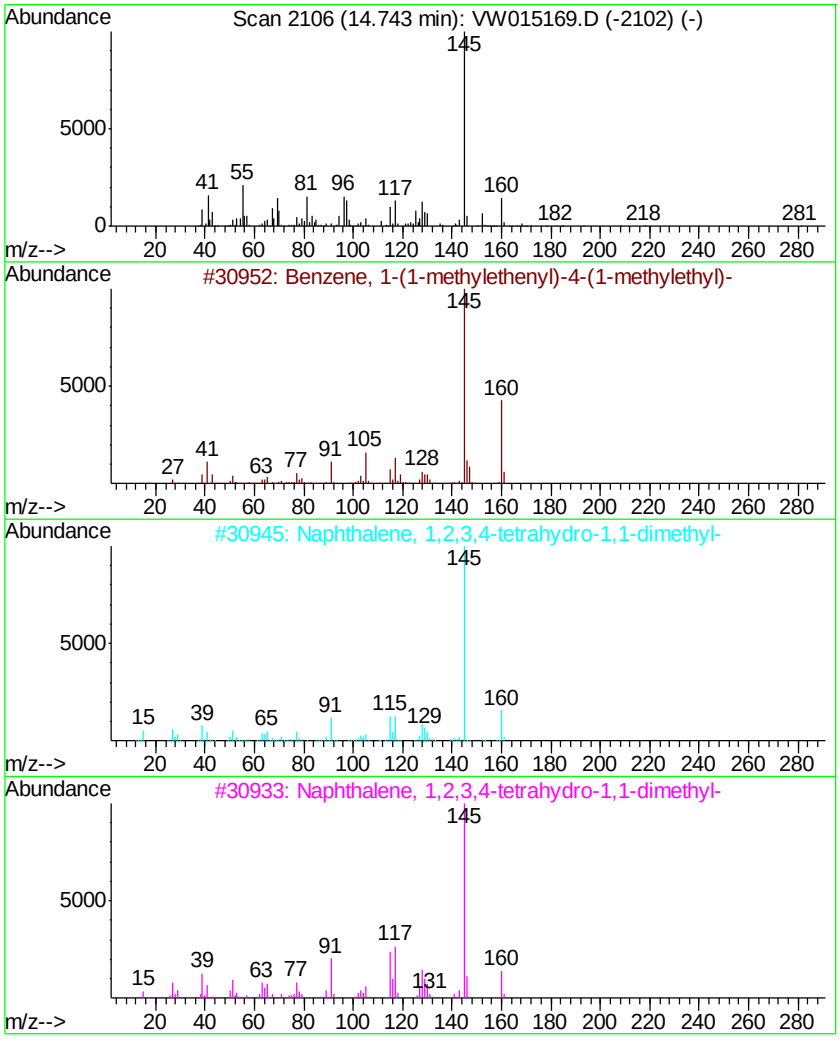
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

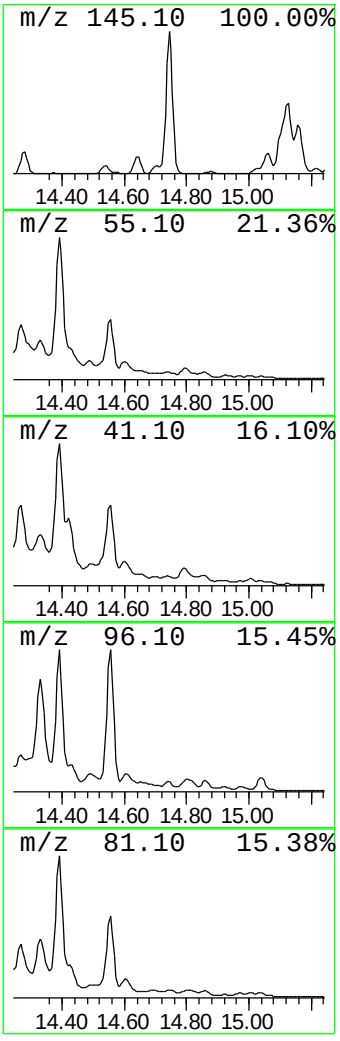
****

Peak Number 65 Benzene, 1-(1-methylethenyl... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	2.24 ug/L	3909330	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	55
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	50
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	50
4	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	46
5	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

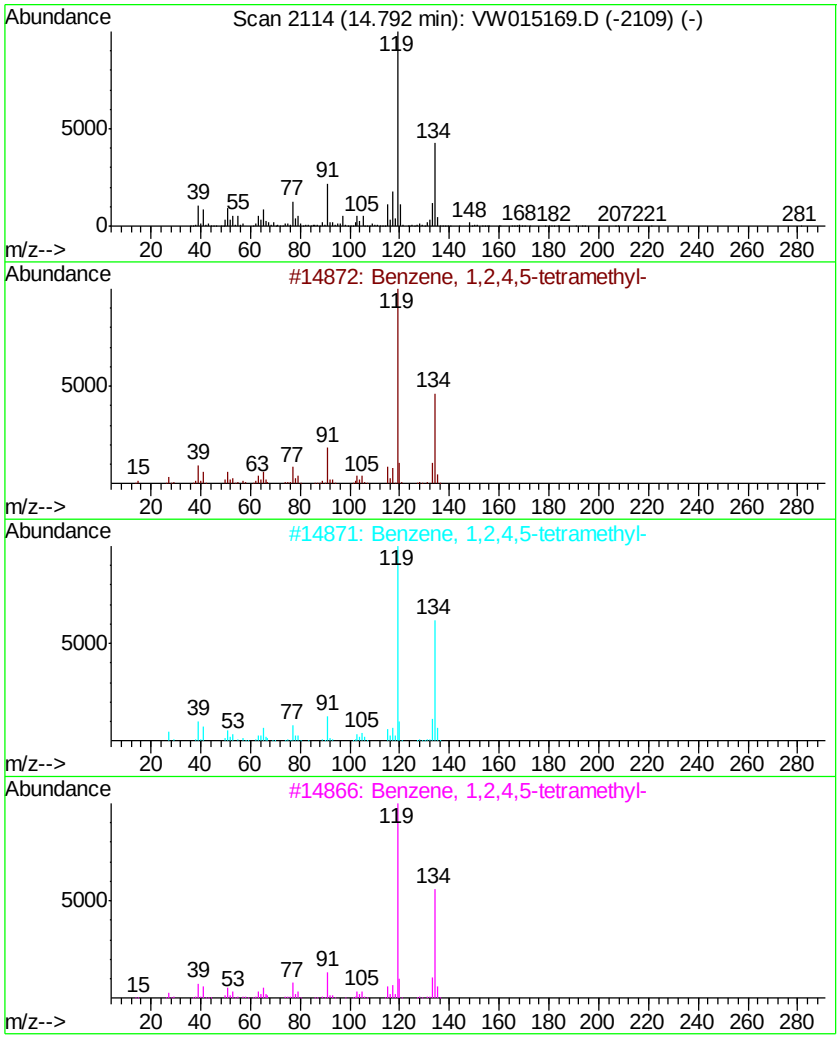
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

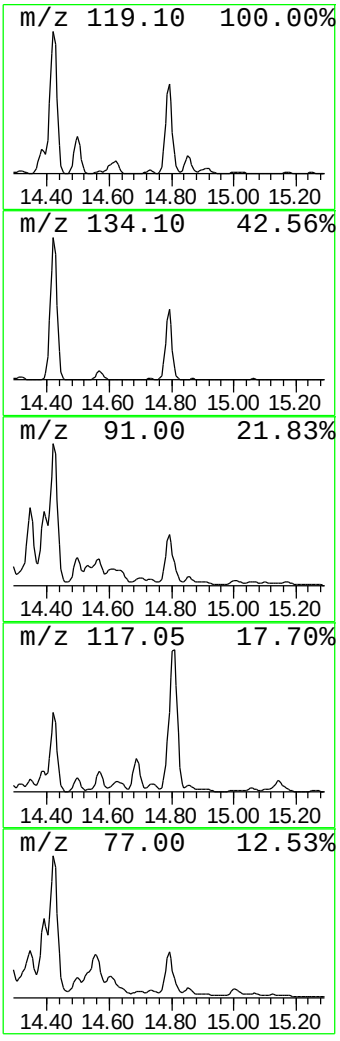
****

Peak Number 66 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	23.55 ug/L	41019000	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

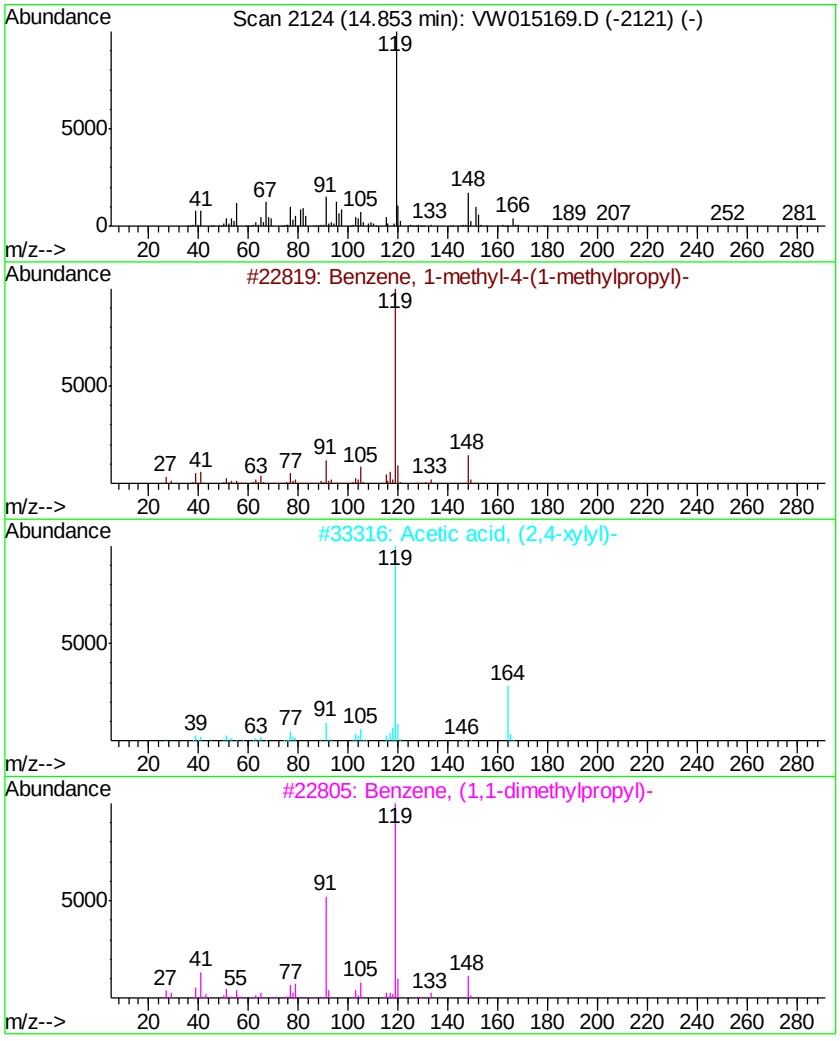
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

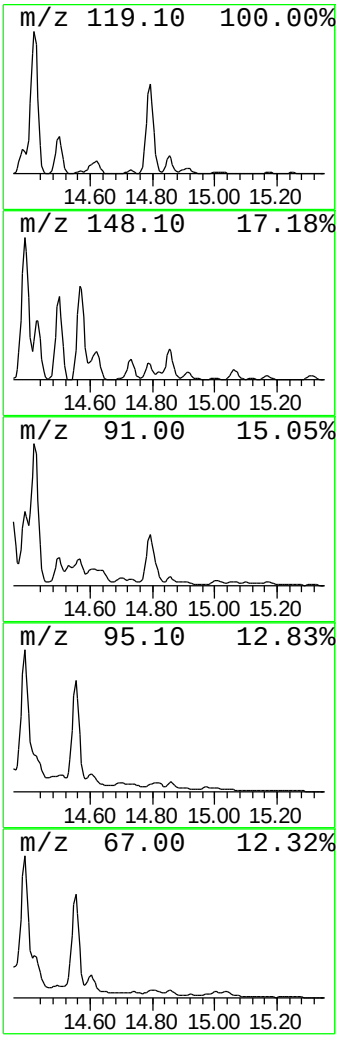
****

Peak Number 67 Acetic acid, (2,4-xylyl)- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	4.59 ug/L	7998680	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
2	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	58
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

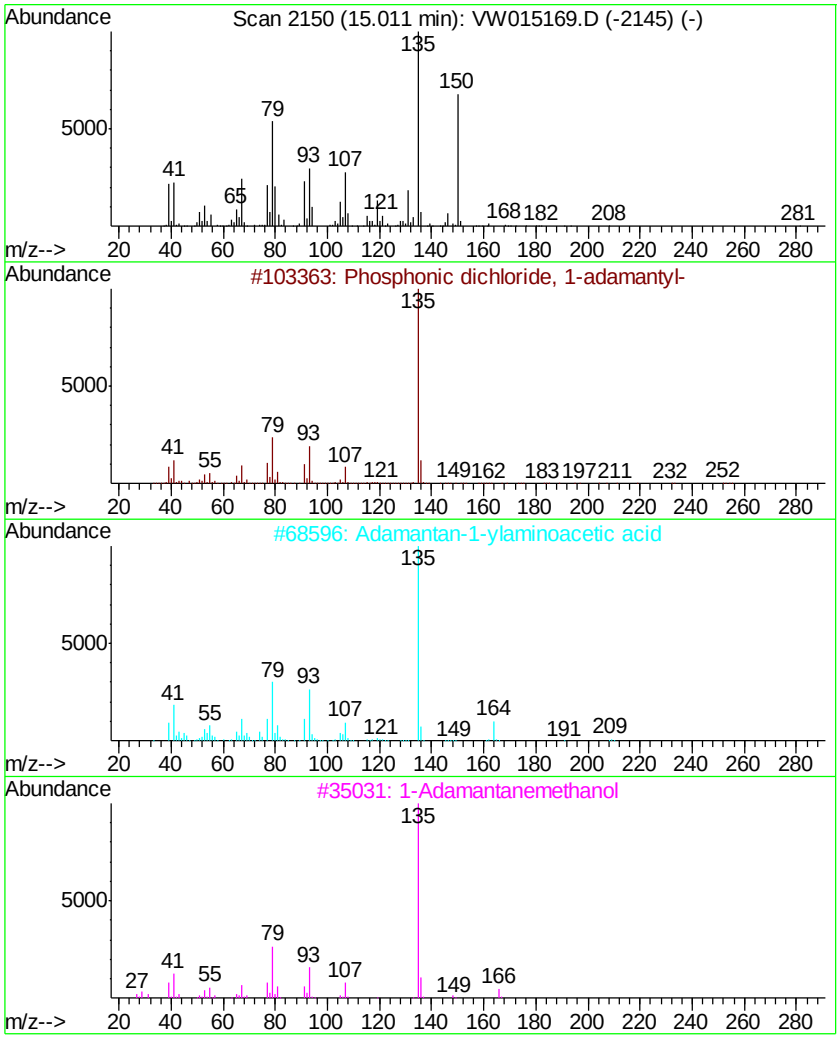
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

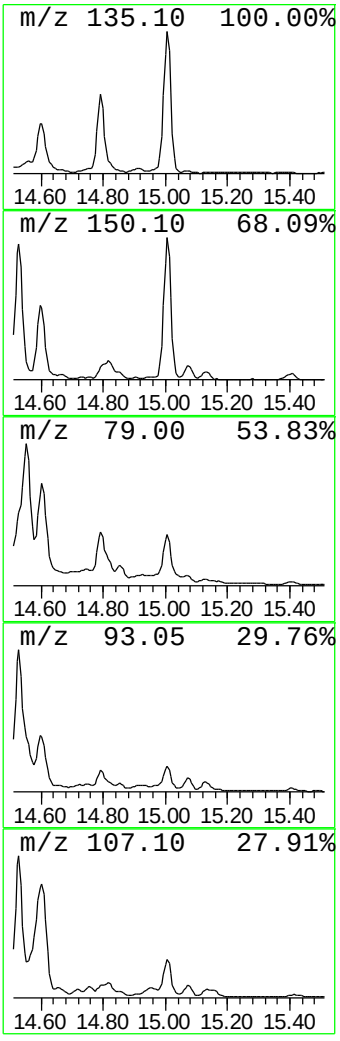
****

Peak Number 68 Phosphonic dichloride, 1-ad... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	2.37 ug/L	4121190	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphonic dichloride, 1-adamantyl-	252	C10H15Cl2OP	1000294-15-7	50
2	Adamantan-1-ylaminoacetic acid	209	C12H19NO2	1000316-74-7	47
3	1-Adamantanemethanol	166	C11H18O	000770-71-8	47
4	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	46
5	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015169.D
Acq On : 08 Apr 2020 14:26
Operator : SY/VA
Sample : L2176-04
Misc : 2.76G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.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	6.7	ug/L	473474	1	8.84	1772100	25.0
(DEL) Alkane: Str...	6.73	8.5	ug/L	599454	1	8.84	1772100	25.0
(DEL) Alkane: Str...	6.88	16.9	ug/L	1196850	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	6.98	8.3	ug/L	589234	1	8.84	1772100	25.0
(DEL) Alkane: Str...	7.16	7.0	ug/L	496611	1	8.84	1772100	25.0
(DEL) Alkane: Str...	7.70	13.6	ug/L	962406	1	8.84	1772100	25.0
(DEL) Alkane: Str...	8.04	110.3	ug/L	7819860	1	8.84	1772100	25.0
(DEL) Alkane: Str...	8.16	8.3	ug/L	588022	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	8.43	223.1	ug/L	15812100	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	8.51	172.6	ug/L	12232600	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	8.58	260.2	ug/L	18447000	1	8.84	1772100	25.0
(DEL) Alkane: Str...	9.15	84.8	ug/L	6012110	1	8.84	1772100	25.0
(DEL) Alkane: Str...	9.48	11.3	ug/L	799248	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	9.52	85.6	ug/L	6067560	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	9.61	826.6	ug/L	58594300	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	9.76	917.1	ug/L	65010800	1	8.84	1772100	25.0
(DEL) Alkane: Str...	9.90	453.8	ug/L	32166600	1	8.84	1772100	25.0
(DEL) Alkane: Str...	9.95	178.8	ug/L	12672700	1	8.84	1772100	25.0
(DEL) Alkane: Str...	10.09	546.1	ug/L	38708000	1	8.84	1772100	25.0
(DEL) Alkane: Str...	10.13	399.4	ug/L	28310400	1	8.84	1772100	25.0
(DEL) Alkane: Cyc...	10.25	75.2	ug/L	23810600	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	10.45	53.3	ug/L	16871400	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	10.51	383.6	ug/L	121440000	2	11.63	7914930	25.0
1,2-Cyclohexanedione	10.67	560.6	ug/L	177482000	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	10.77	307.9	ug/L	97479200	2	11.63	7914930	25.0
(DEL) Alkane: Str...	10.85	131.3	ug/L	41558300	2	11.63	7914930	25.0
(DEL) Alkane: Str...	11.05	292.7	ug/L	92654700	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	11.18	770.3	ug/L	243859000	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	11.24	727.2	ug/L	230243000	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	11.29	64.6	ug/L	20443400	2	11.63	7914930	25.0
(DEL) Alkane: Str...	11.35	441.9	ug/L	139919000	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	11.44	499.0	ug/L	157978000	2	11.63	7914930	25.0
(DEL) Alkane: Str...	11.51	96.5	ug/L	30568500	2	11.63	7914930	25.0
unknown-01	11.56	33.9	ug/L	10728900	2	11.63	7914930	25.0
Pentalene, octahy...	11.73	131.7	ug/L	41698500	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	11.77	212.9	ug/L	67391500	2	11.63	7914930	25.0
(DEL) Alkane: Cyc...	11.82	146.7	ug/L	46458200	2	11.63	7914930	25.0
unknown-02	11.89	964.5	ug/L	305375000	2	11.63	7914930	25.0
(DEL) Alkane: Str...	11.99	110.0	ug/L	34836300	2	11.63	7914930	25.0
Cyclohexene,1-pro...	12.05	177.6	ug/L	56228800	2	11.63	7914930	25.0
unknown-03	12.15	1698.7	ug/L	537817000	2	11.63	7914930	25.0
1-Piperidinecarbo...	12.27	186.7	ug/L	59108800	2	11.63	7914930	25.0
unknown-04	12.63	95.9	ug/L	167034000	3	13.55	43552000	25.0
unknown-05	12.80	312.0	ug/L	543570000	3	13.55	43552000	25.0
unknown-06	12.88	228.0	ug/L	397210000	3	13.55	43552000	25.0
(DEL) Alkane: Str...	13.10	85.1	ug/L	148232000	3	13.55	43552000	25.0
unknown-07	13.14	53.0	ug/L	92370300	3	13.55	43552000	25.0
cis-Decalin, 2-sy...	13.28	25.3	ug/L	44020000	3	13.55	43552000	25.0
unknown-08	13.31	43.0	ug/L	74838400	3	13.55	43552000	25.0

unknown-09	13.39	42.0	ug/L	73225500	3	13.55	43552000	25.0
(DEL) Alkane: Str...	13.60	25.0	ug/L	43552000	3	13.55	43552000	25.0
Benzene, 1-methyl...	13.65	33.2	ug/L	57855900	3	13.55	43552000	25.0
Benzene, 1,4-diet...	13.72	90.8	ug/L	158142000	3	13.55	43552000	25.0
(DEL) Alkane: Cyc...	13.99	52.8	ug/L	91916600	3	13.55	43552000	25.0
Benzene, 4-ethyl-...	14.10	109.7	ug/L	191126000	3	13.55	43552000	25.0
Benzene, 2-butenyl-	14.21	62.2	ug/L	108411000	3	13.55	43552000	25.0
Adamantane	14.27	39.1	ug/L	68168200	3	13.55	43552000	25.0
1H-Indene, 2,3-di...	14.35	24.5	ug/L	42653900	3	13.55	43552000	25.0
trans-Decalin, 2-...	14.39	67.3	ug/L	117296000	3	13.55	43552000	25.0
1,3-Cyclopentadie...	14.42	54.4	ug/L	94741000	3	13.55	43552000	25.0
Benzene, 1-methyl...	14.50	6.8	ug/L	11856600	3	13.55	43552000	25.0
Naphthalene, deca...	14.55	41.0	ug/L	71443800	3	13.55	43552000	25.0
Spiro[4.5]decan-1...	14.60	6.6	ug/L	11538800	3	13.55	43552000	25.0
Benzene, (2-methy...	14.69	1.5	ug/L	2608020	3	13.55	43552000	25.0
Benzene, 1-(1-met...	14.74	2.2	ug/L	3909330	3	13.55	43552000	25.0
Benzene, 1,2,4,5-...	14.79	23.6	ug/L	41019000	3	13.55	43552000	25.0
Acetic acid, (2,4...	14.85	4.6	ug/L	7998680	3	13.55	43552000	25.0
Phosphonic dichlo...	15.01	2.4	ug/L	4121190	3	13.55	43552000	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG2J0