LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
Data File : VY002254.D
Acq On : 08 Apr 2020 16:56
Operator : SY/MD
Sample : L2135-08
Misc : 7.84G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\METHODS\82Y040820S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.785	476	500	528	rVB	149922	696968	4.15%	0.160%
2	5.255	562	577	598	rBV2	137559	488457	2.91%	0.112%
3	6.809	822	832	851	rVB	336139	1051392	6.26%	0.241%
4	7.791	969	993	1002	rBV6	1239033	4024035	23.95%	0.924%
5	7.882	1002	1008	1019	rVV	405923	1010184	6.01%	0.232%
6	8.010	1019	1029	1035	rVV	1029301	2445741	14.56%	0.562%
7	8.065	1036	1038	1046	rVV	219824	427928	2.55%	0.098%
8	8.285	1063	1074	1080	rBV2	665562	1627228	9.68%	0.374%
9	8.358	1080	1086	1092	rVV2	580303	1412652	8.41%	0.324%
10	8.425	1092	1097	1109	rVB	816600	1826674	10.87%	0.420%
11	8.699	1133	1142	1152	rBV	313329	629250	3.75%	0.145%
12	9.010	1183	1193	1206	rVB	158752	363496	2.16%	0.083%
13	9.193	1206	1223	1229	rBV	7089652	16802336	100.00%	3.859%
14	9.254	1229	1233	1240	rVV	673454	1236218	7.36%	0.284%
15	9.376	1247	1253	1259	rVV	714175	1361545	8.10%	0.313%
16	9.468	1259	1268	1277	rVB2	1041213	2511338	14.95%	0.577%
17	9.614	1282	1292	1304	rVB2	1507400	3012889	17.93%	0.692%
18	9.766	1304	1317	1321	rBV	876497	1805109	10.74%	0.415%
19	9.827	1321	1327	1330	rVV	2039118	4024998	23.95%	0.924%
20	9.858	1330	1332	1339	rVB	1494298	2258294	13.44%	0.519%
21	9.967	1339	1350	1362	rBV3	2785382	7633322	45.43%	1.753%
22	10.108	1370	1373	1379	rVB4	374833	715672	4.26%	0.164%
23	10.181	1379	1385	1390	rBV	7693676	15716448	93.54%	3.609%
24	10.223	1390	1392	1399	rVB	3483936	4616740	27.48%	1.060%
25	10.315	1399	1407	1409	rBV	873748	1588708	9.46%	0.365%
26	10.352	1409	1413	1424	rVB2	2519254	6586789	39.20%	1.513%
27	10.492	1424	1436	1437	rBV2	792745	1663486	9.90%	0.382%
28	10.528	1437	1442	1450	rVB	5041516	9057717	53.91%	2.080%
29	10.626	1450	1458	1463	rBV	3008254	6297362	37.48%	1.446%
30	10.669	1463	1465	1469	rVB	699478	882948	5.25%	0.203%
31	10.717	1469	1473	1478	rVB	1645879	2553995	15.20%	0.587%
32	10.809	1483	1488	1494	rVB	4210025	6679698	39.75%	1.534%
33	10.912	1499	1505	1512	rBV	2625860	4962756	29.54%	1.140%
34	10.979	1512	1516	1519	rBV2	1680506	2953598	17.58%	0.678%

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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : SW846 8260

35	11.047	1519	1527	1531	rVV	7319788	14258273	84.86%	3.274%
36	11.101	1531	1536	1541	rVV	8308664	14877978	88.55%	3.417%
37	11.150	1541	1544	1548	rVB	1451135	1921913	11.44%	0.441%
38	11.211	1548	1554	1558	rBV2	4317607	7663112	45.61%	1.760%
39	11.303	1558	1569	1577	rVB3	4870107	15503087	92.27%	3.560%
40	11.388	1577	1583	1587	rBV	4472161	7646996	45.51%	1.756%
41	11.485	1596	1599	1603	rBV4	317496	474590	2.82%	0.109%
42	11.534	1603	1607	1610	rBV	500193	658431	3.92%	0.151%
43	11.583	1610	1615	1619	rBV2	1255458	2158067	12.84%	0.496%
44	11.632	1619	1623	1627	rBV	2355286	3380343	20.12%	0.776%
45	11.681	1627	1631	1636	rVV4	2392125	4695628	27.95%	1.078%
46	11.741	1636	1641	1645	rVV	6132766	11072861	65.90%	2.543%
47	11.784	1645	1648	1653	rVB	4467551	7426822	44.20%	1.706%
48	11.845	1653	1658	1662	rBV3	974777	1871753	11.14%	0.430%
49	11.906	1662	1668	1670	rBV2	1073117	1853340	11.03%	0.426%
50	11.937	1670	1673	1678	rVB2	1606523	2484345	14.79%	0.571%
51	12.010	1678	1685	1691	rBV3	6649652	16654771	99.12%	3.825%
52	12.065	1691	1694	1697	rVB	988972	1004944	5.98%	0.231%
53	12.095	1697	1699	1701	rBV2	479225	406247	2.42%	0.093%
54	12.132	1701	1705	1709	rVB	5542694	7120510	42.38%	1.635%
55	12.174	1709	1712	1713	rBV2	1272761	1567970	9.33%	0.360%
56	12.211	1713	1718	1720	rVV2	5010245	8552050	50.90%	1.964%
57	12.248	1720	1724	1734	rVB5	6212276	14070769	83.74%	3.231%
58	12.382	1742	1746	1750	rVB4	2060066	3259148	19.40%	0.748%
59	12.424	1750	1753	1758	rVB3	2627536	4354504	25.92%	1.000%
60	12.491	1758	1764	1769	rVB4	1741825	3411138	20.30%	0.783%
61	12.577	1769	1778	1782	rBV5	2369666	7262259	43.22%	1.668%
62	12.650	1786	1790	1798	rVB2	6627645	15280975	90.95%	3.509%
63	12.735	1798	1804	1809	rBV4	2763838	6822267	40.60%	1.567%
64	12.814	1810	1817	1822	rBV3	5077316	12774495	76.03%	2.934%
65	12.869	1822	1826	1831	rVB4	3268691	5685832	33.84%	1.306%
66	12.918	1831	1834	1836	rBV3	474530	648333	3.86%	0.149%
67	12.955	1836	1840	1844	rVB4	2448566	3381625	20.13%	0.777%
68	13.016	1844	1850	1851	rBV4	1444812	2747130	16.35%	0.631%
69	13.046	1851	1855	1863	rVB	6737034	11250860	66.96%	2.584%
70	13.174	1873	1876	1881	rBV4	1704236	3152383	18.76%	0.724%
71	13.260	1887	1890	1893	rVB	2188058	2850587	16.97%	0.655%

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Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : SW846 8260

72	13.327	1893	1901	1905	rBV4	4217093	8712839	51.85%	2.001%
73	13.577	1937	1942	1945	rBV3	1449985	2570098	15.30%	0.590%
74	13.698	1957	1962	1965	rBV2	1274091	2307260	13.73%	0.530%
75	13.753	1966	1971	1976	rVV2	5832817	10787293	64.20%	2.477%
76	13.802	1976	1979	1983	rVV2	1660408	2637168	15.70%	0.606%
77	13.863	1986	1989	1996	rVB7	1552915	3489410	20.77%	0.801%
78	13.979	2004	2008	2012	rVB2	2485190	3947417	23.49%	0.907%
79	14.083	2020	2025	2030	rBV4	2082948	3545379	21.10%	0.814%
80	14.150	2031	2036	2041	rVB5	1238920	2432758	14.48%	0.559%
81	14.204	2041	2045	2050	rBV4	819509	1328763	7.91%	0.305%
82	14.265	2050	2055	2068	rVB7	4341962	12321837	73.33%	2.830%
83	14.387	2070	2075	2078	rBV3	932753	1853811	11.03%	0.426%
84	14.430	2078	2082	2086	rVB2	2807037	3941622	23.46%	0.905%
85	14.625	2111	2114	2117	rBV4	552412	757517	4.51%	0.174%
86	14.686	2119	2124	2129	rVV3	2663750	5486384	32.65%	1.260%
87	14.741	2129	2133	2139	rVB3	1826417	3314516	19.73%	0.761%
88	14.857	2149	2152	2154	rBV2	496710	654439	3.89%	0.150%
89	14.948	2164	2167	2171	rVB2	1381264	1973943	11.75%	0.453%
90	15.009	2171	2177	2180	rBV3	523101	1257664	7.49%	0.289%
91	15.058	2180	2185	2189	rVB4	731376	1361297	8.10%	0.313%
92	15.131	2193	2197	2198	rBV2	433946	621544	3.70%	0.143%
93	15.223	2207	2212	2216	rVB	1429631	2274918	13.54%	0.522%
94	15.284	2217	2222	2228	rBV7	519644	1304530	7.76%	0.300%
95	15.351	2229	2233	2236	rBV6	412262	759882	4.52%	0.175%
96	15.454	2246	2250	2256	rVB6	265066	556516	3.31%	0.128%
97	15.613	2272	2276	2281	rVB4	585417	1071980	6.38%	0.246%
98	16.302	2384	2389	2402	rVB3	373841	1065214	6.34%	0.245%
99	16.497	2414	2421	2434	rVB2	612645	1599040	9.52%	0.367%
100	16.606	2436	2439	2455	rVB2	104081	367352	2.19%	0.084%

Sum of corrected areas: 435434698

LSC Report - Integrated Chromatogram

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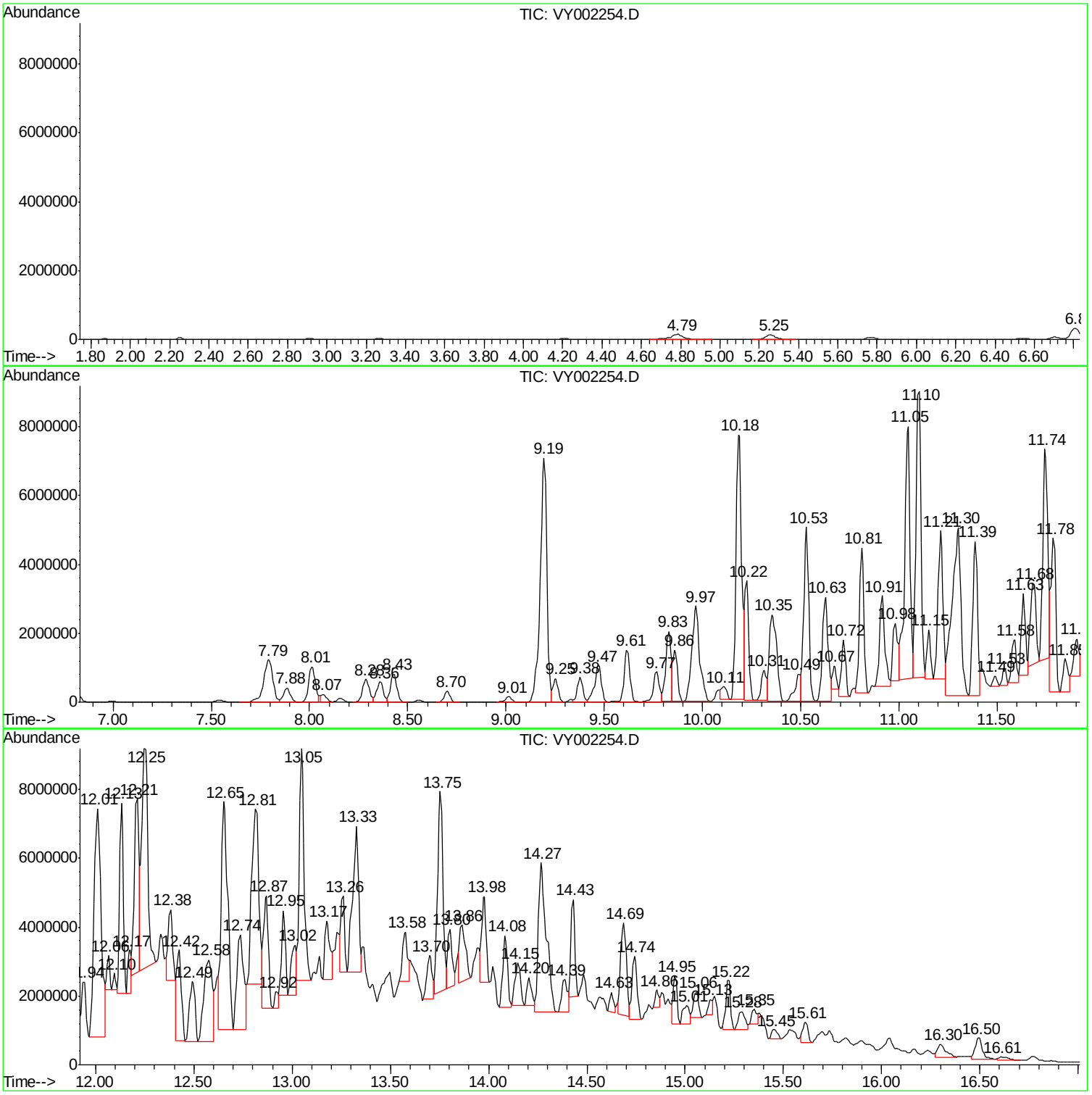
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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



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Instrument : MSVOA_Y
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TIC Library : C:\DATABASE\NIST11.L
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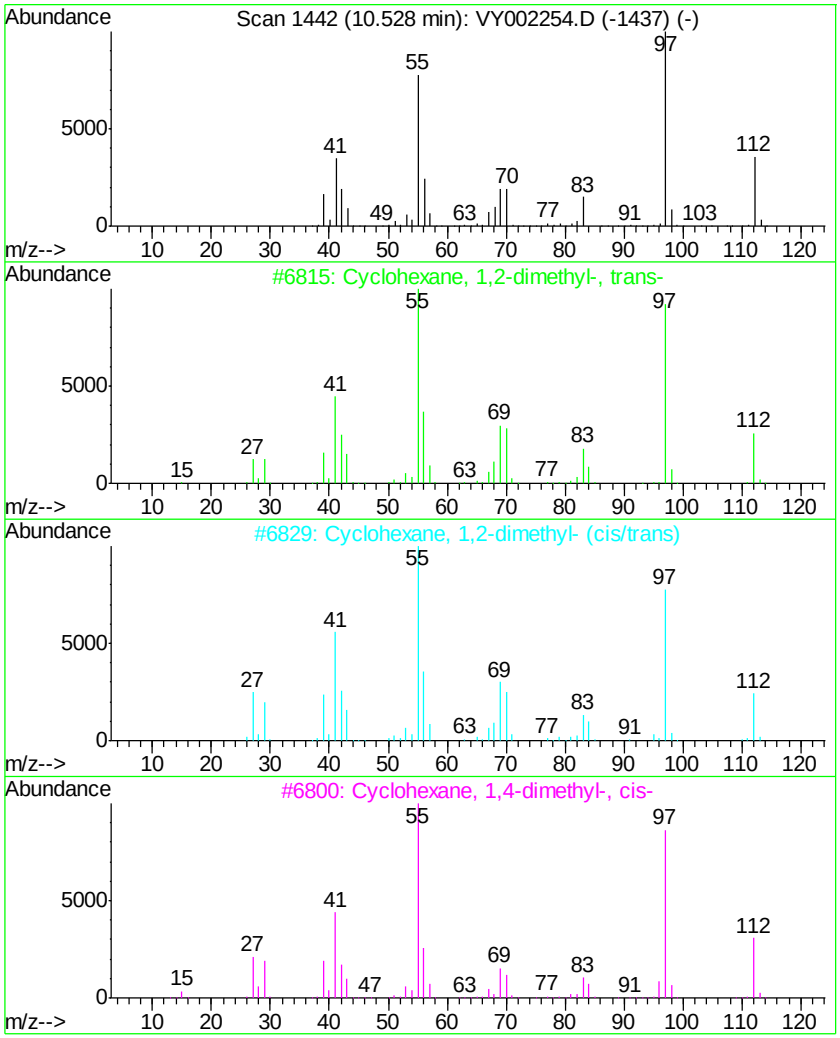
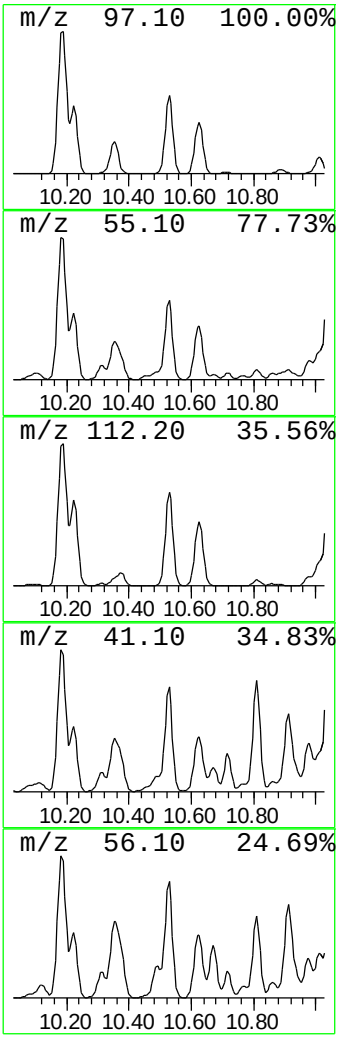
****

Peak Number 1 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	954.27 ug/l	9057720	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87





Library Search Compound Report

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Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
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TIC Library : C:\DATABASE\NIST11.L
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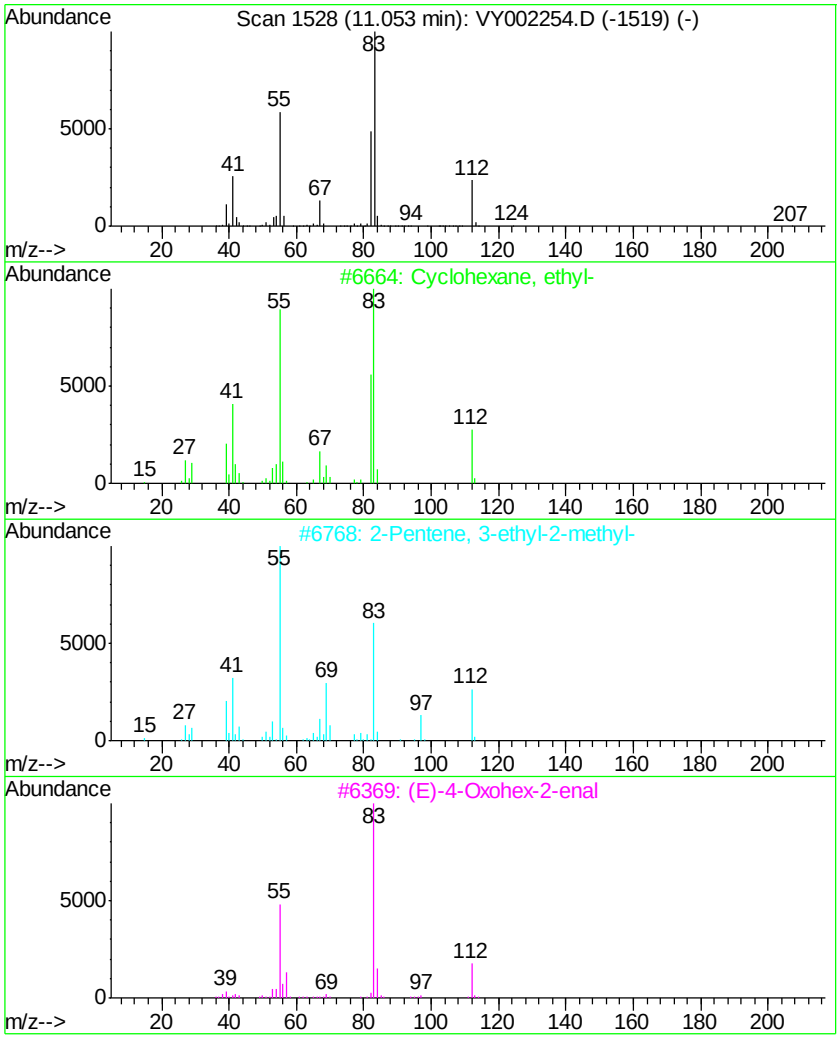
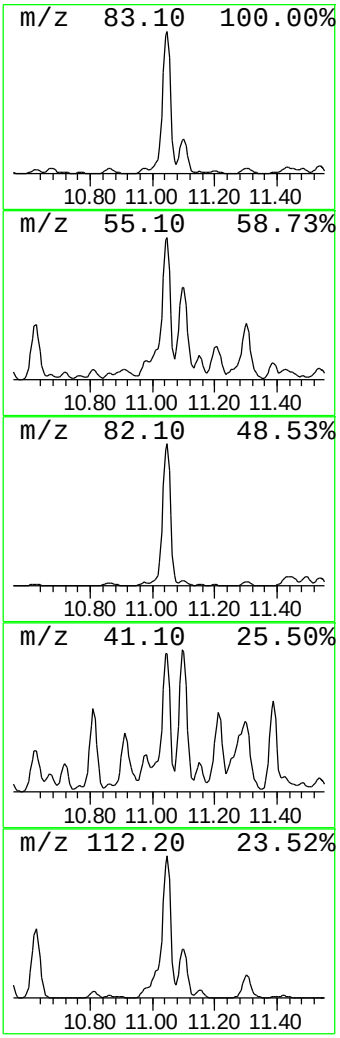
****

Peak Number 2 Cyclohexane, ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	1502.17 ug/l	14258300	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	64
3	(E)-4-Oxohex-2-enal	112	C6H8O2	1000374-04-2	53
4	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	53
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53





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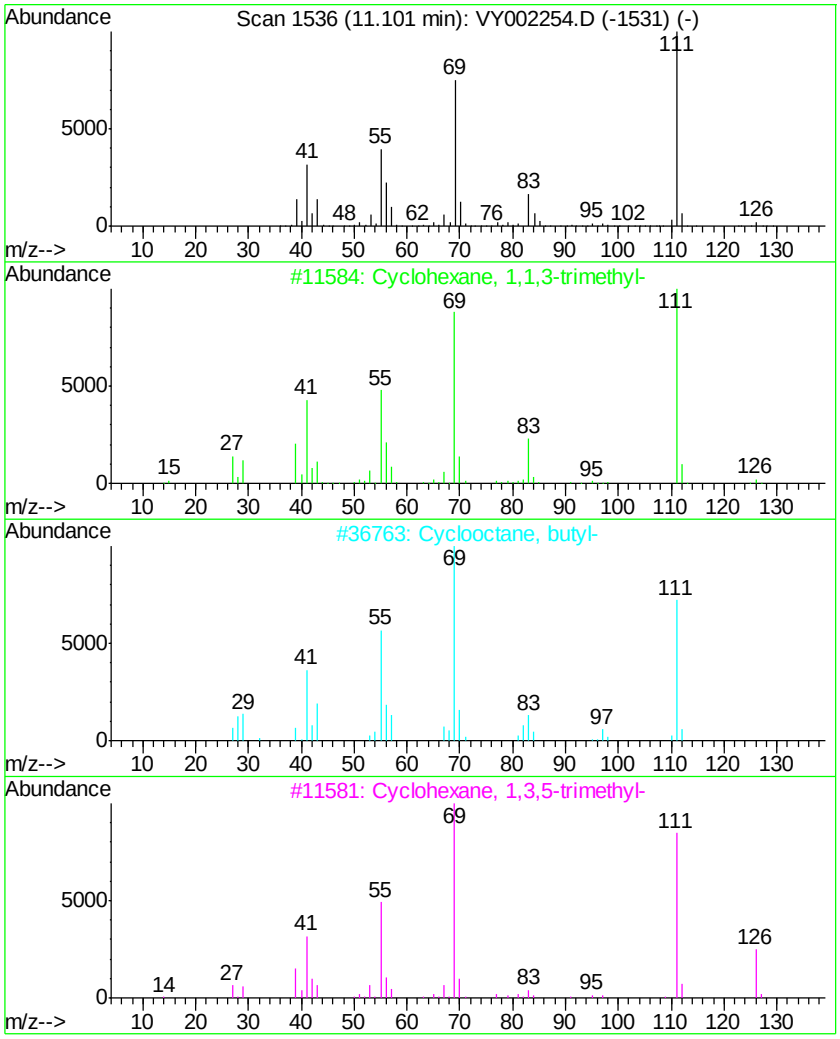
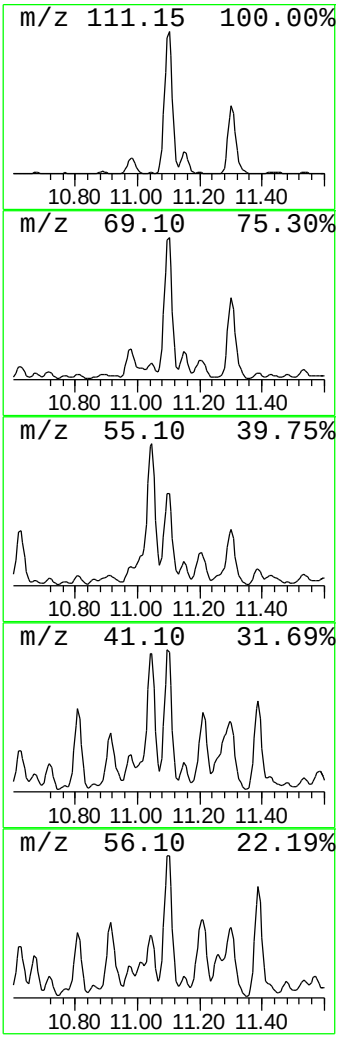
Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	1567.46 ug/l	14878000	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclooctane, butyl-	168	C12H24	016538-93-5	64
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	56
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	56





Library Search Compound Report

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Quant Title : SW846 8260

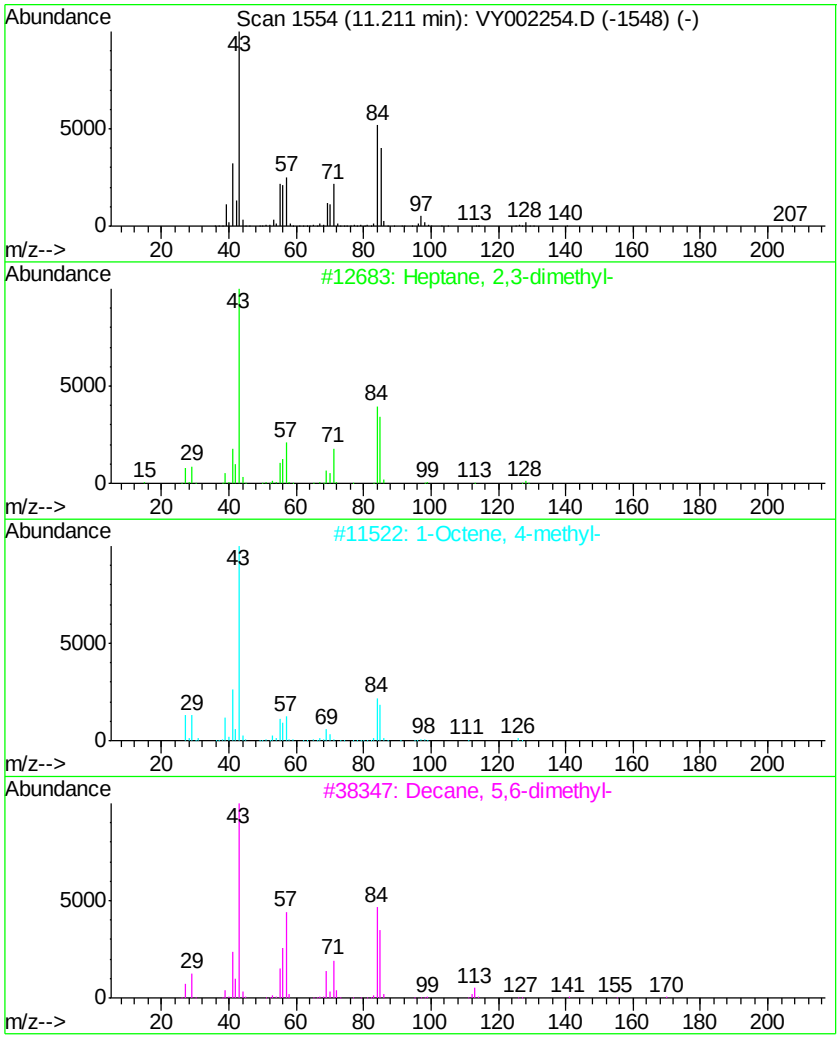
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

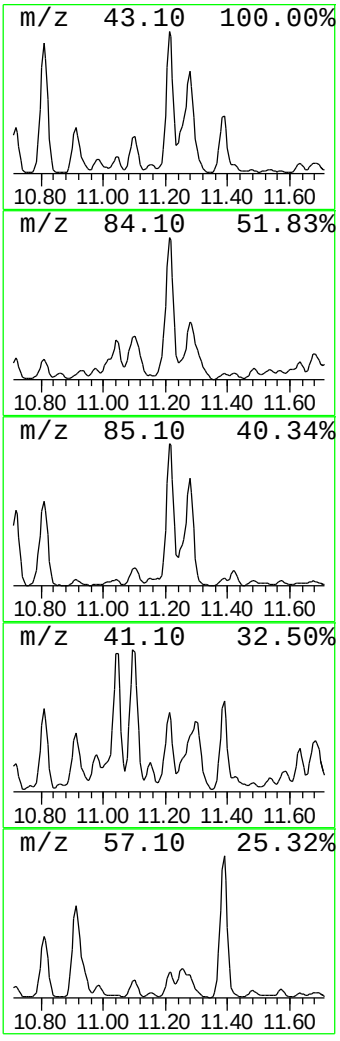
****

Peak Number 4 Heptane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	807.34 ug/l	7663110	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	90
2	1-Octene, 4-methyl-	126	C9H18	013151-12-7	64
3	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	59
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
5	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	58





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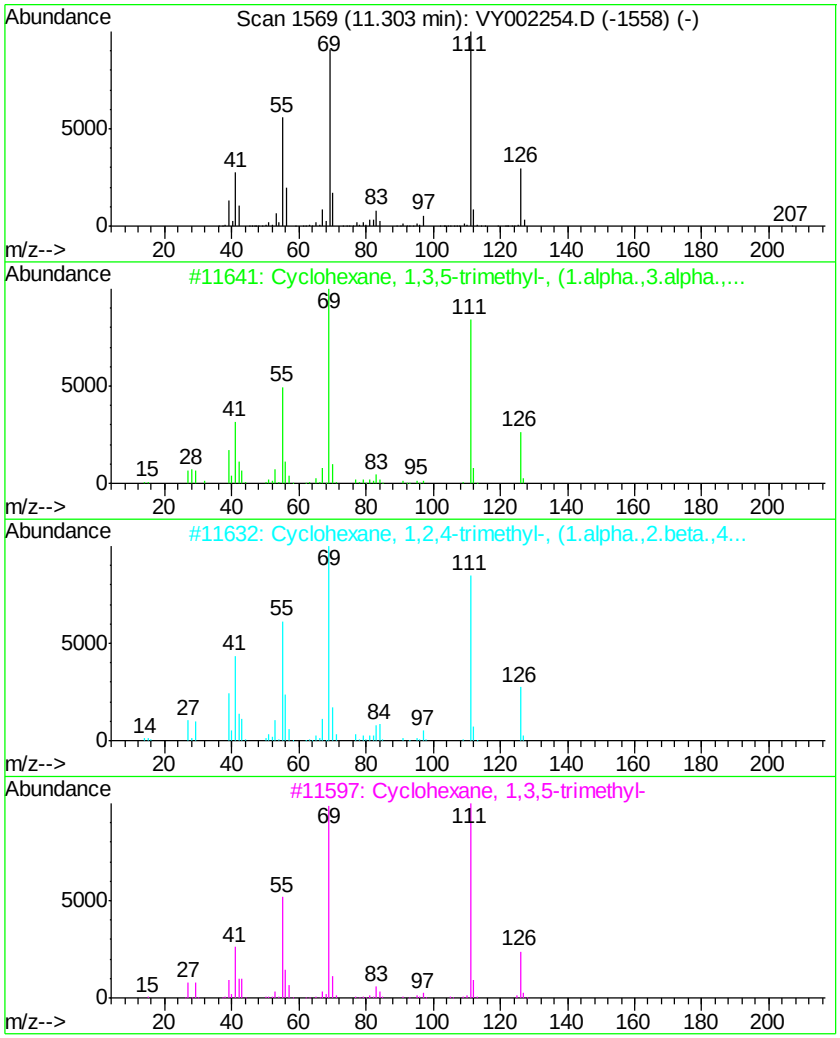
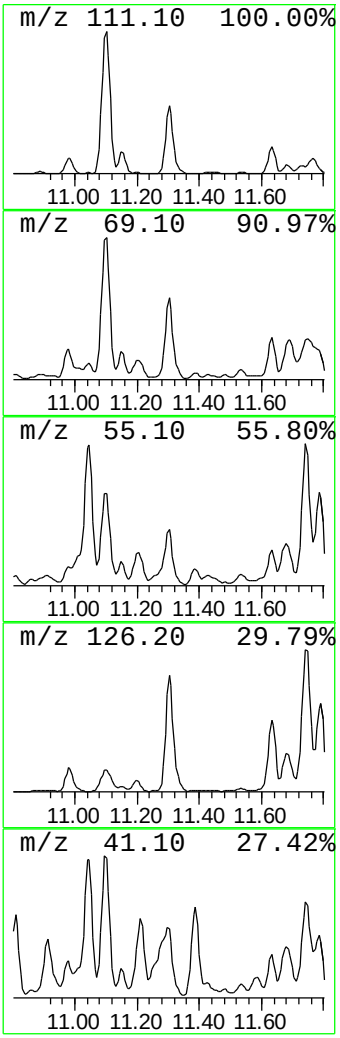
****

Peak Number 5 Cyclohexane, 1,3,5-trimethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	1633.31 ug/l	15503100	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY040820\
Data File : VY002254.D
Acq On : 08 Apr 2020 16:56
Operator : SY/MD
Sample : L2135-08
Misc : 7.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

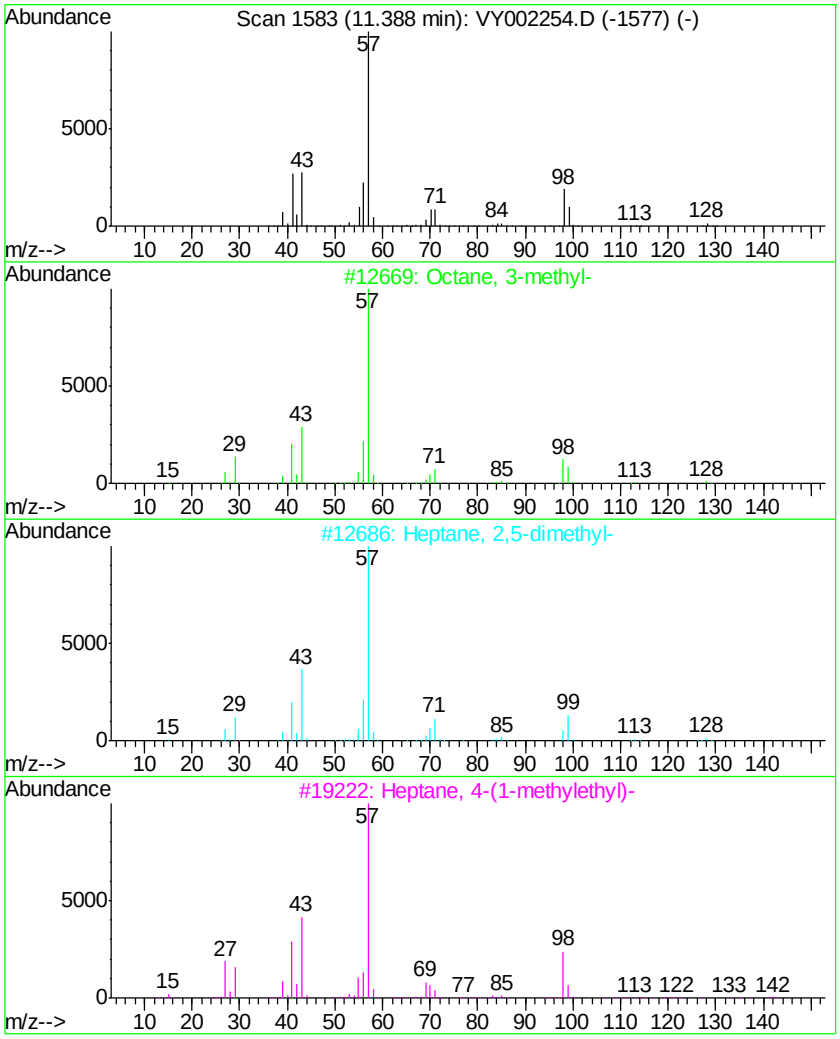
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

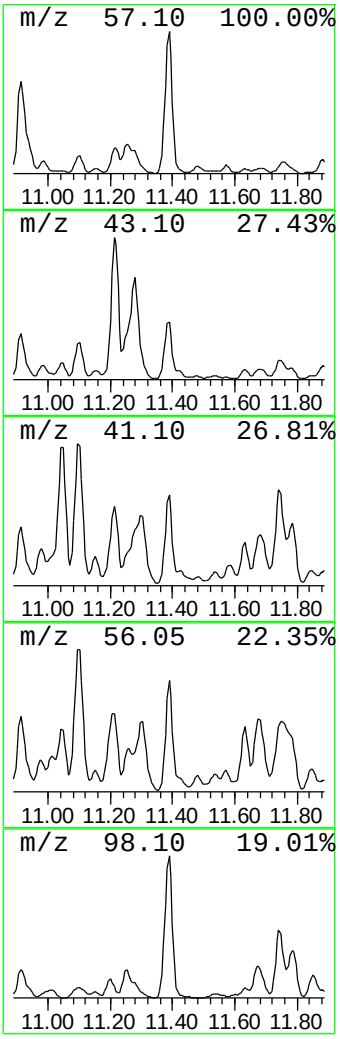
****

Peak Number 6 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	805.64 ug/l	7647000	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	58
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY040820\
Data File : VY002254.D
Acq On : 08 Apr 2020 16:56
Operator : SY/MD
Sample : L2135-08
Misc : 7.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

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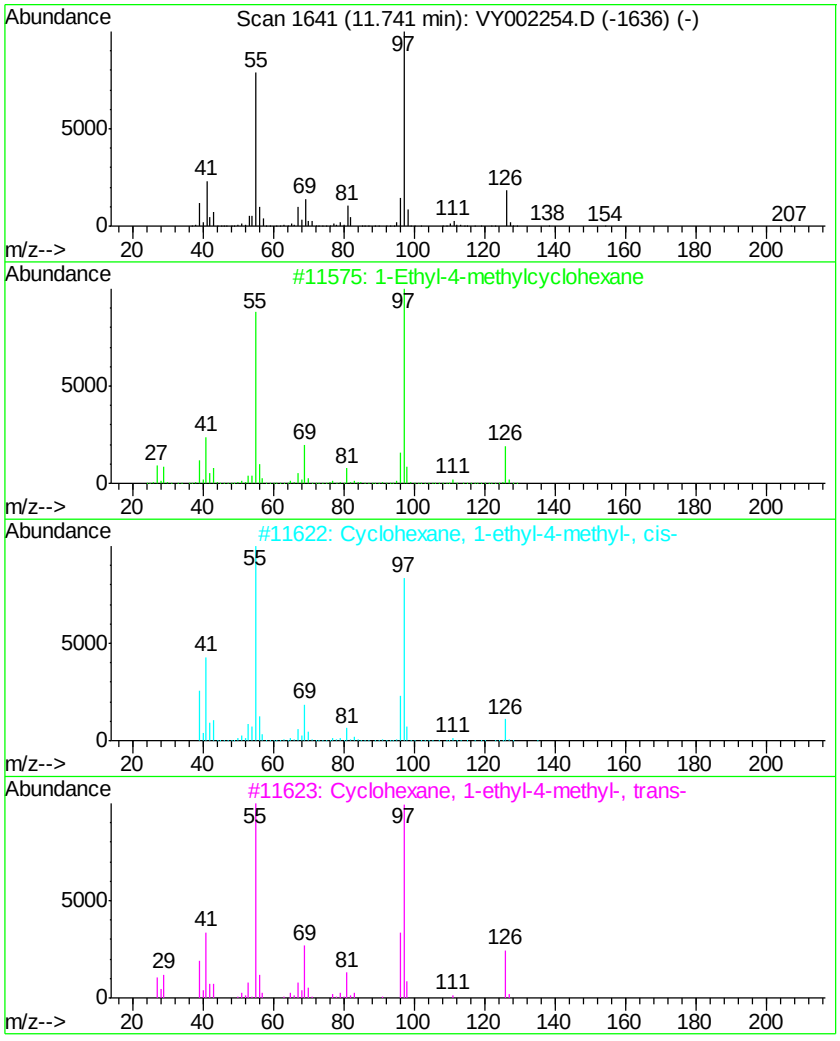
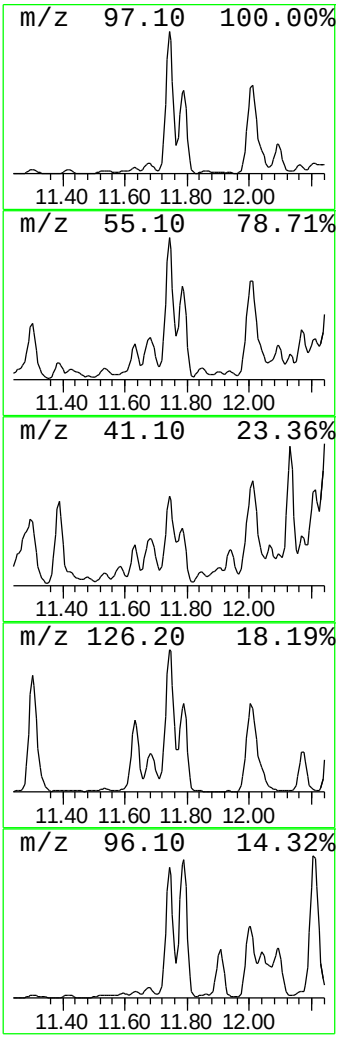
Peak Number 7 1-Ethyl-4-methylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	1166.57 ug/l	11072900	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
4	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	78
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY040820\
Data File : VY002254.D
Acq On : 08 Apr 2020 16:56
Operator : SY/MD
Sample : L2135-08
Misc : 7.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

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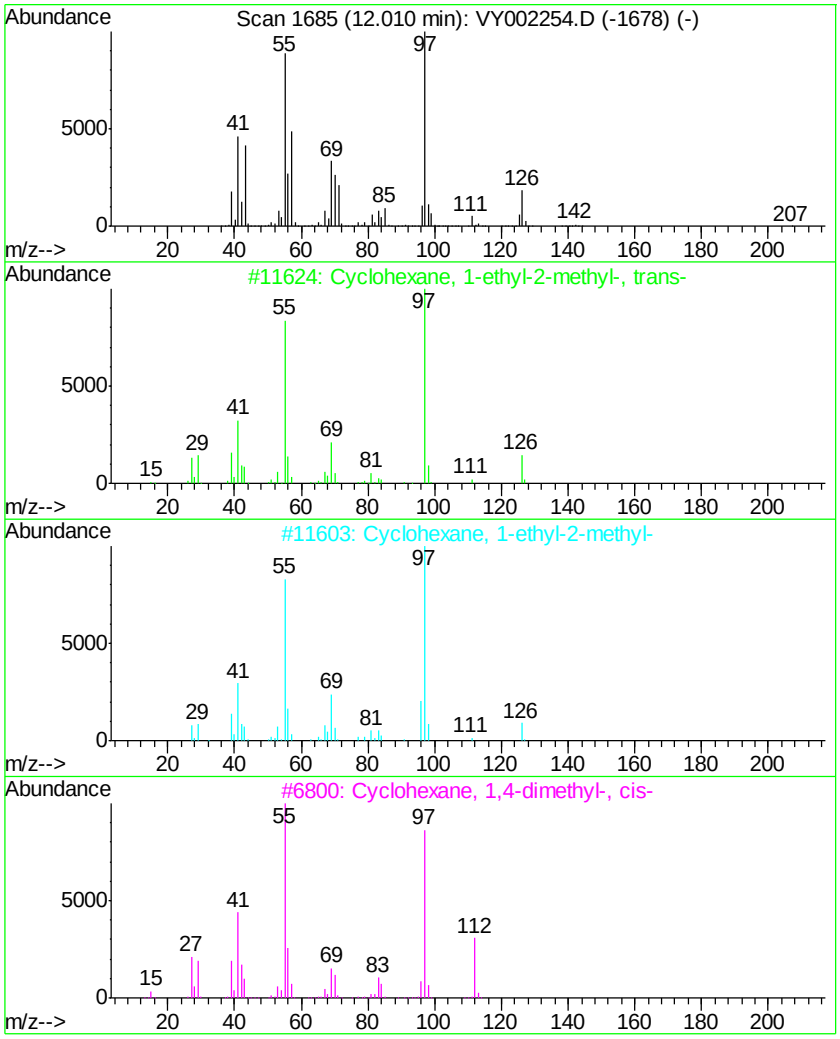
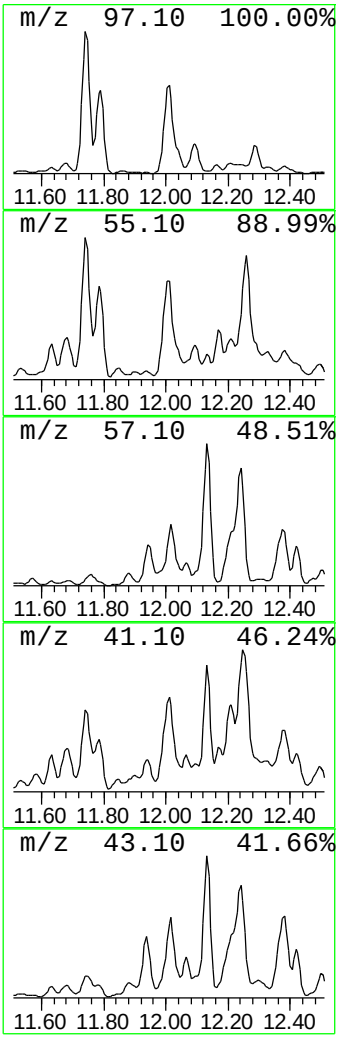
Peak Number 8 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	1754.65 ug/l	16654800	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	53
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52





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Data File : VY002254.D
Acq On : 08 Apr 2020 16:56
Operator : SY/MD
Sample : L2135-08
Misc : 7.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

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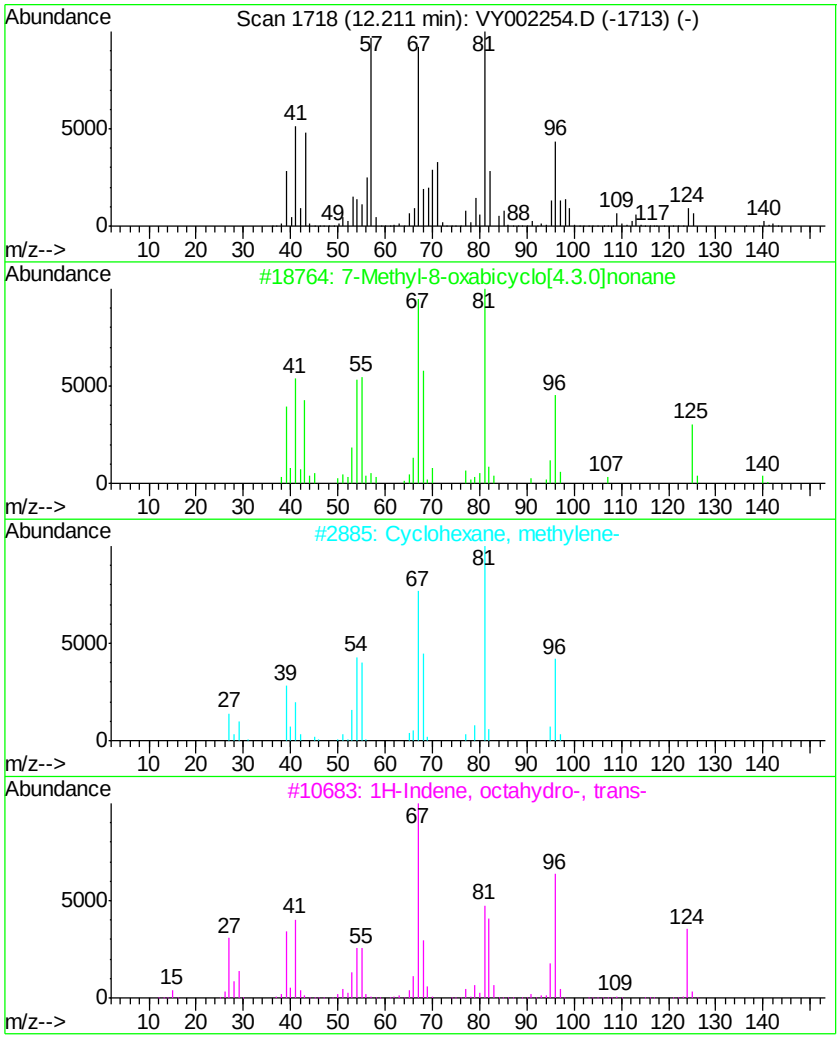
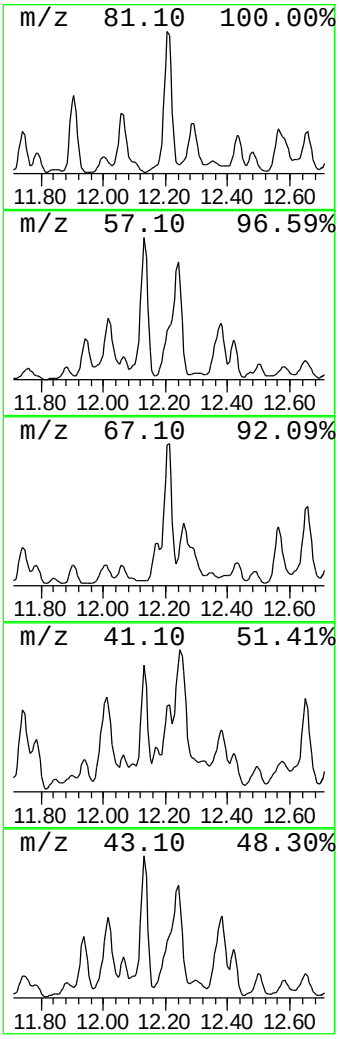
Peak Number 9 7-Methyl-8-oxabicyclo[4.3.0... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	900.99 ug/l	8552050	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-8-oxabicyclo[4.3.0]nonane	140	C9H16O	1000216-87-6	68
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	64
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	55
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	46
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY040820\
Data File : VY002254.D
Acq On : 08 Apr 2020 16:56
Operator : SY/MD
Sample : L2135-08
Misc : 7.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-3K-(0-2)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1,2-...	10.53	954.3	ug/l	9057720	3	11.50	474590	50.0
Cyclohexane, ethyl-	11.05	1502.2	ug/l	14258300	3	11.50	474590	50.0
Cyclohexane, 1,1,...	11.10	1567.5	ug/l	14878000	3	11.50	474590	50.0
Heptane, 2,3-dime...	11.21	807.3	ug/l	7663110	3	11.50	474590	50.0
Cyclohexane, 1,3,...	11.30	1633.3	ug/l	15503100	3	11.50	474590	50.0
Octane, 3-methyl-	11.39	805.6	ug/l	7647000	3	11.50	474590	50.0
1-Ethyl-4-methylc...	11.74	1166.6	ug/l	11072900	3	11.50	474590	50.0
Cyclohexane, 1-et...	12.01	1754.7	ug/l	16654800	3	11.50	474590	50.0
7-Methyl-8-oxabic...	12.21	901.0	ug/l	8552050	3	11.50	474590	50.0