LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

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\82Y103019S.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	6.999	850	863	876	rBV2	43020	137682	1.54%	0.160%
2	7.724	973	982	988	rBV	232644	561477	6.27%	0.650%
3	7.797	988	994	1010	rVB	479777	1071015	11.96%	1.241%
4	8.151	1039	1052	1061	rBV	230846	519740	5.81%	0.602%
5	8.693	1132	1141	1151	rBV	695460	1371843	15.32%	1.589%
6	10.181	1377	1385	1400	rVB	1014236	1782014	19.91%	2.064%
7	10.577	1445	1450	1461	rVB2	64911	120489	1.35%	0.140%
8	11.089	1529	1534	1539	rVB	75905	124417	1.39%	0.144%
9	11.199	1546	1552	1557	rBV2	59410	103757	1.16%	0.120%
10	11.272	1557	1564	1565	rBV2	89256	138479	1.55%	0.160%
11	11.376	1576	1581	1591	rBV	193845	316652	3.54%	0.367%
12	11.486	1592	1599	1609	rBV	994390	1602978	17.91%	1.857%
13	11.589	1609	1616	1619	rBV	163116	277658	3.10%	0.322%
14	11.681	1624	1631	1635	rBV5	110503	265855	2.97%	0.308%
15	11.736	1635	1640	1643	rBV	352115	559502	6.25%	0.648%
16	11.778	1643	1647	1652	rVB	323918	536443	5.99%	0.621%
17	11.839	1652	1657	1660	rBV2	69384	127517	1.42%	0.148%
18	11.925	1660	1671	1676	rVB3	193895	365028	4.08%	0.423%
19	11.998	1676	1683	1690	rBV4	679936	1629640	18.20%	1.888%
20	12.053	1690	1692	1695	rVB	104781	95997	1.07%	0.111%
21	12.120	1699	1703	1707	rVB	1010893	1332916	14.89%	1.544%
22	12.162	1707	1710	1711	rBV2	140845	174284	1.95%	0.202%
23	12.199	1711	1716	1718	rBV3	571765	860424	9.61%	0.997%
24	12.242	1718	1723	1732	rVB3	1142604	2431721	27.16%	2.817%
25	12.321	1732	1736	1739	rBV4	210215	332964	3.72%	0.386%
26	12.370	1739	1744	1747	rBV3	435253	779294	8.71%	0.903%
27	12.406	1747	1750	1756	rVB	1276826	2083026	23.27%	2.413%
28	12.479	1756	1762	1767	rBV3	994925	1720967	19.22%	1.994%
29	12.565	1767	1776	1779	rBV8	297825	750924	8.39%	0.870%
30	12.607	1780	1783	1784	rBV2	90925	98395	1.10%	0.114%
31	12.644	1784	1789	1796	rVB2	948450	2415437	26.98%	2.798%
32	12.729	1796	1803	1807	rBV2	1978527	3373199	37.68%	3.908%
33	12.809	1808	1816	1820	rBV2	2975496	5203170	58.12%	6.028%
34	12.857	1820	1824	1829	rVB2	902598	1445372	16.15%	1.674%

LSC Area Percent Report

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Instrument : MSVOA_Y
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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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Title : SW846 8260

35	12.912	1829	1833	1834	rBV2	130612	175183	1.96%	0.203%
36	12.949	1834	1839	1842	rBV3	561372	901675	10.07%	1.045%
37	12.998	1842	1847	1849	rBV4	262878	422672	4.72%	0.490%
38	13.034	1849	1853	1860	rVB	2158245	3214497	35.91%	3.724%
39	13.113	1860	1866	1872	rBV	5698128	8951797	100.00%	10.371%
40	13.162	1872	1874	1879	rVB2	301071	357585	3.99%	0.414%
41	13.223	1880	1884	1885	rBV	330950	442268	4.94%	0.512%
42	13.315	1892	1899	1903	rBV3	2008631	3758635	41.99%	4.354%
43	13.363	1903	1907	1910	rVV3	966950	1586246	17.72%	1.838%
44	13.424	1910	1917	1918	rVV2	900060	1672426	18.68%	1.938%
45	13.455	1918	1922	1927	rVB	2666225	3998325	44.67%	4.632%
46	13.589	1936	1944	1945	rBV3	451821	753865	8.42%	0.873%
47	13.619	1945	1949	1952	rVV2	1604806	2394707	26.75%	2.774%
48	13.662	1952	1956	1965	rVV3	1566985	3105848	34.70%	3.598%
49	13.741	1965	1969	1974	rVV3	1167546	2016788	22.53%	2.336%
50	13.790	1974	1977	1979	rVV2	298421	419636	4.69%	0.486%
51	13.821	1979	1982	1985	rVV	504083	778991	8.70%	0.902%
52	13.882	1988	1992	1994	rVV	824248	1278829	14.29%	1.482%
53	13.912	1994	1997	2002	rVV	1175922	1809031	20.21%	2.096%
54	13.967	2002	2006	2011	rVB	1277325	1856204	20.74%	2.150%
55	14.022	2011	2015	2019	rVB2	177717	273454	3.05%	0.317%
56	14.077	2019	2024	2029	rVB2	1130377	1805609	20.17%	2.092%
57	14.144	2029	2035	2040	rBV6	238617	664782	7.43%	0.770%
58	14.211	2040	2046	2050	rBV3	443637	803910	8.98%	0.931%
59	14.259	2050	2054	2057	rVV3	470289	906461	10.13%	1.050%
60	14.290	2057	2059	2062	rVV2	484958	625066	6.98%	0.724%
61	14.333	2062	2066	2070	rVB	725749	1017767	11.37%	1.179%
62	14.375	2070	2073	2077	rBV2	284094	401879	4.49%	0.466%
63	14.418	2077	2080	2084	rVB	322679	372283	4.16%	0.431%
64	14.516	2092	2096	2100	rVB2	246030	368604	4.12%	0.427%
65	14.564	2100	2104	2109	rVV4	128491	299071	3.34%	0.346%
66	14.607	2109	2111	2116	rVB	189689	240600	2.69%	0.279%
67	14.668	2116	2121	2129	rBV3	862334	1684608	18.82%	1.952%
68	14.735	2129	2132	2137	rVB2	174969	260608	2.91%	0.302%
69	14.833	2143	2148	2152	rVB	233427	346067	3.87%	0.401%
70	14.942	2162	2166	2169	rBV3	103551	154430	1.73%	0.179%
71	14.973	2169	2171	2179	rVV3	77364	155825	1.74%	0.181%

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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

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

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Title : SW846 8260

72	15.046	2179	2183	2189	rVB4	90695	188796	2.11%	0.219%
73	15.229	2203	2213	2222	rBV	474142	845406	9.44%	0.979%
74	16.284	2377	2386	2395	rBV	88323	184490	2.06%	0.214%
75	16.479	2410	2418	2426	rBV	53755	112393	1.26%	0.130%

Sum of corrected areas: 86317593

LSC Report - Integrated Chromatogram

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Data File : VY000757.D
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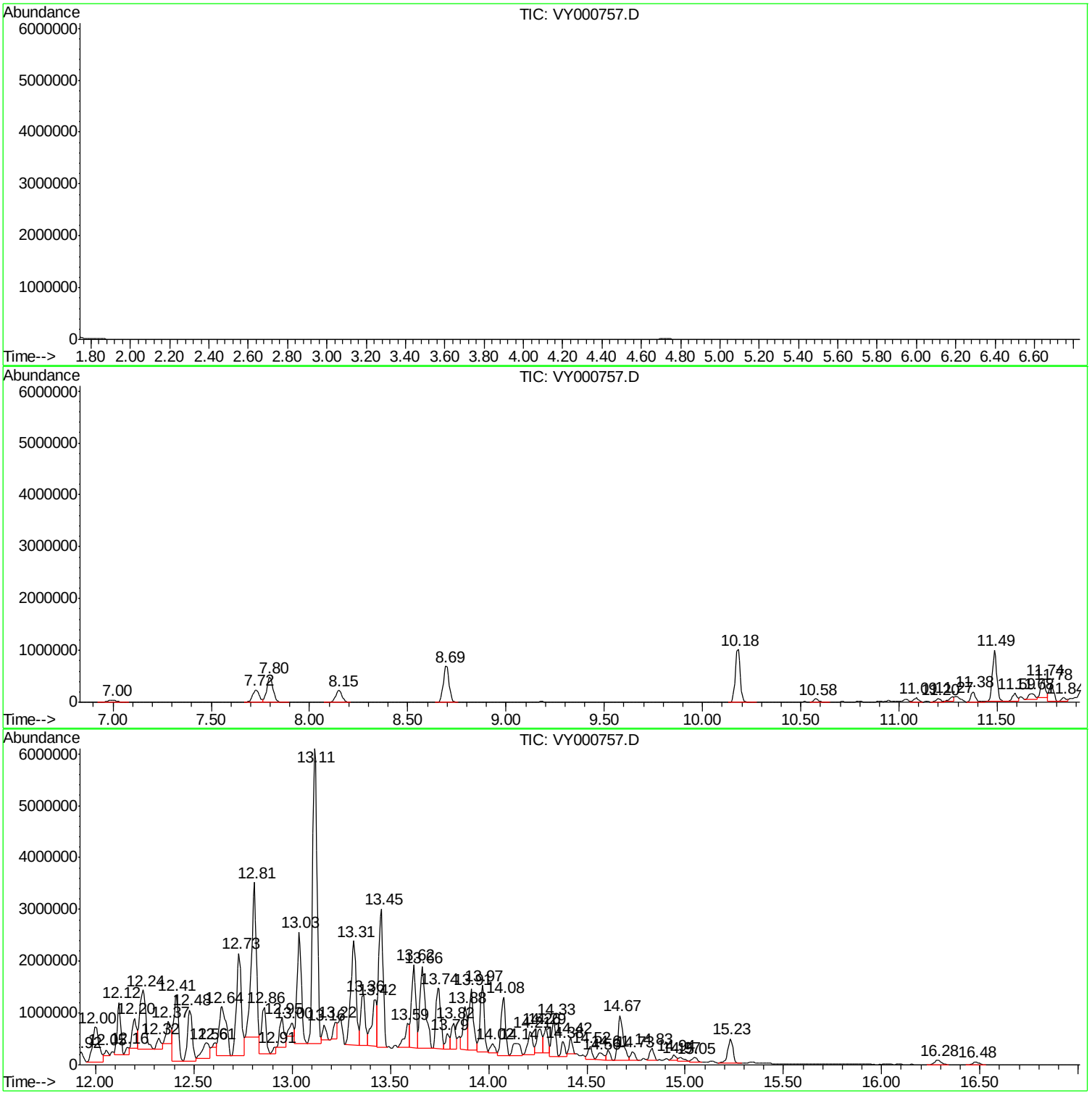
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
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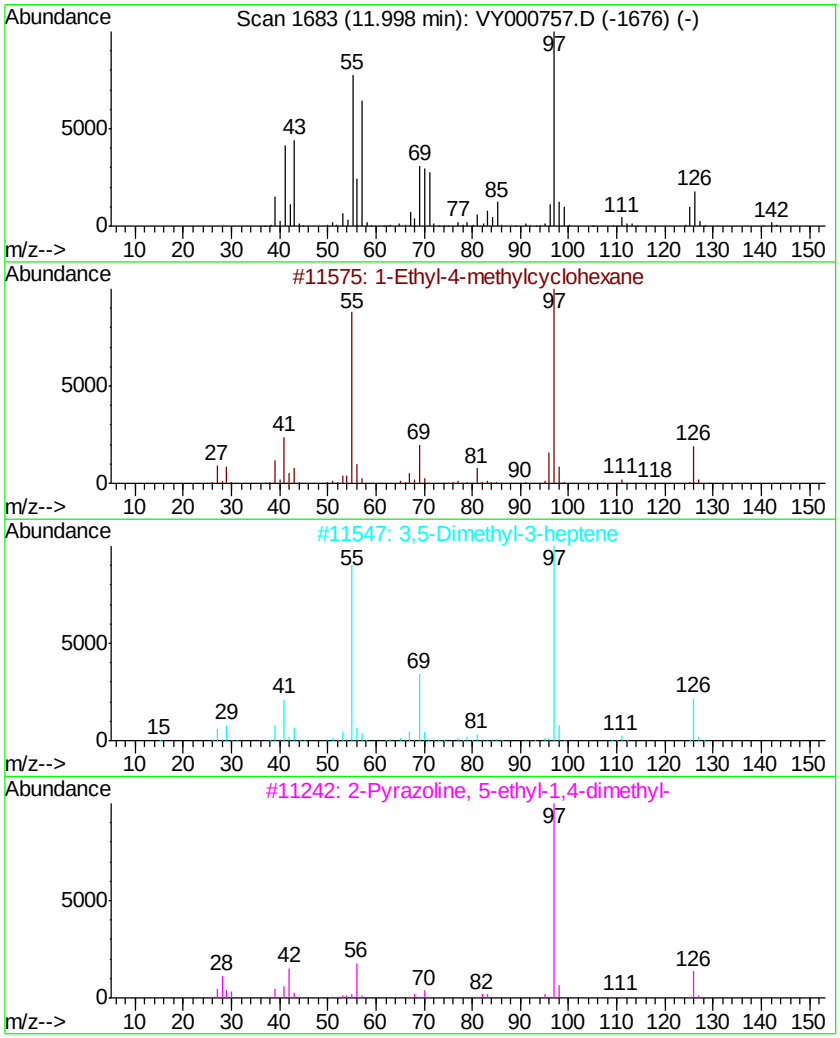
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

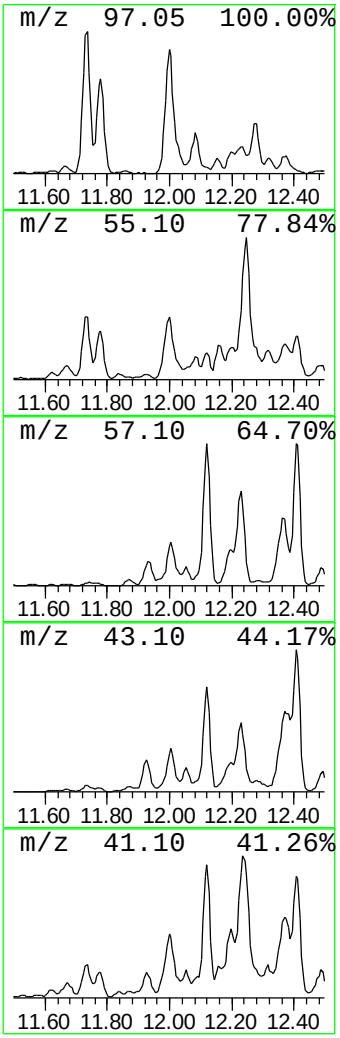
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	50.83 ug/l	1629640	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	55
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	49
3	2-Pyrazoline, 5-ethyl-1,4-dimethyl-	126	C7H14N2	014339-23-2	47
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	46
5	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	46





Library Search Compound Report

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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

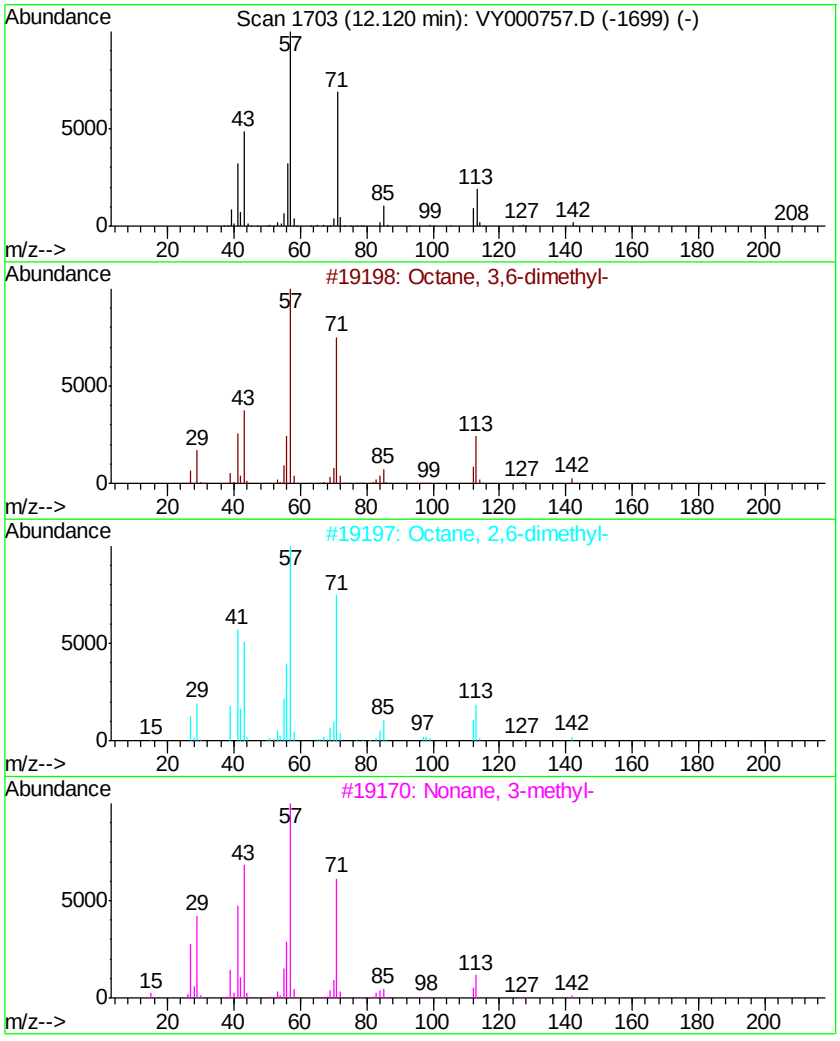
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

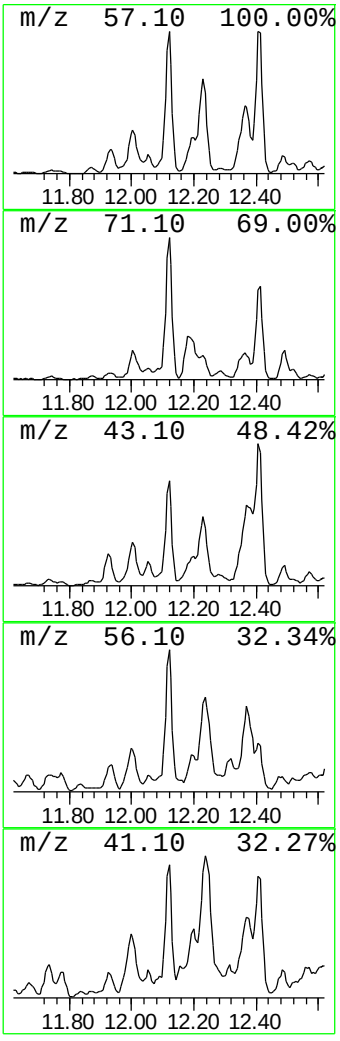
****

Peak Number 2 Octane, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	41.58 ug/l	1332920	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	64
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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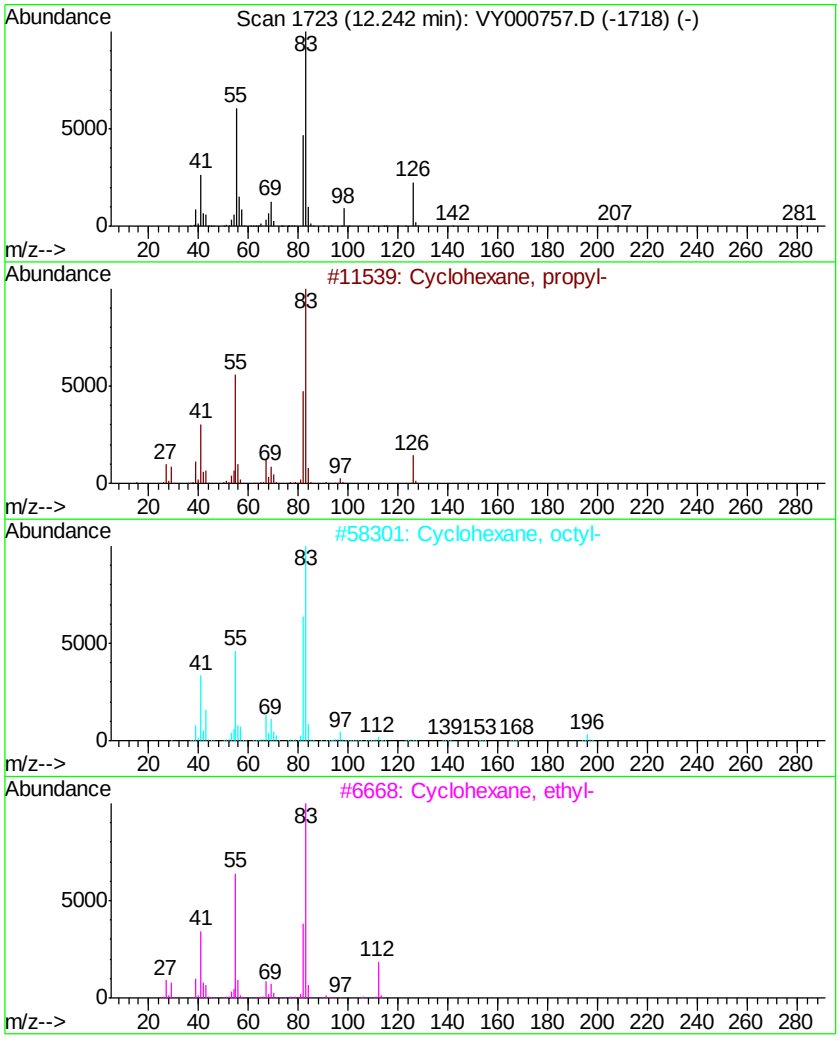
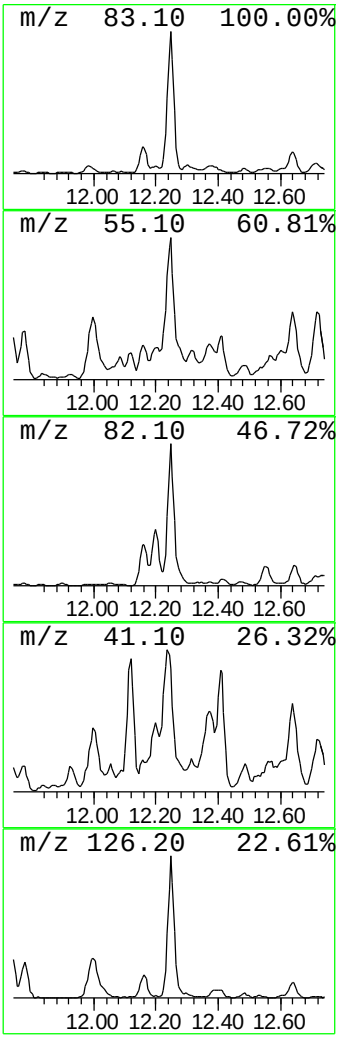
****

Peak Number 3 Cyclohexane, propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	75.85 ug/l	2431720	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	56
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	56
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53
5	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	50





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Quant Title : SW846 8260

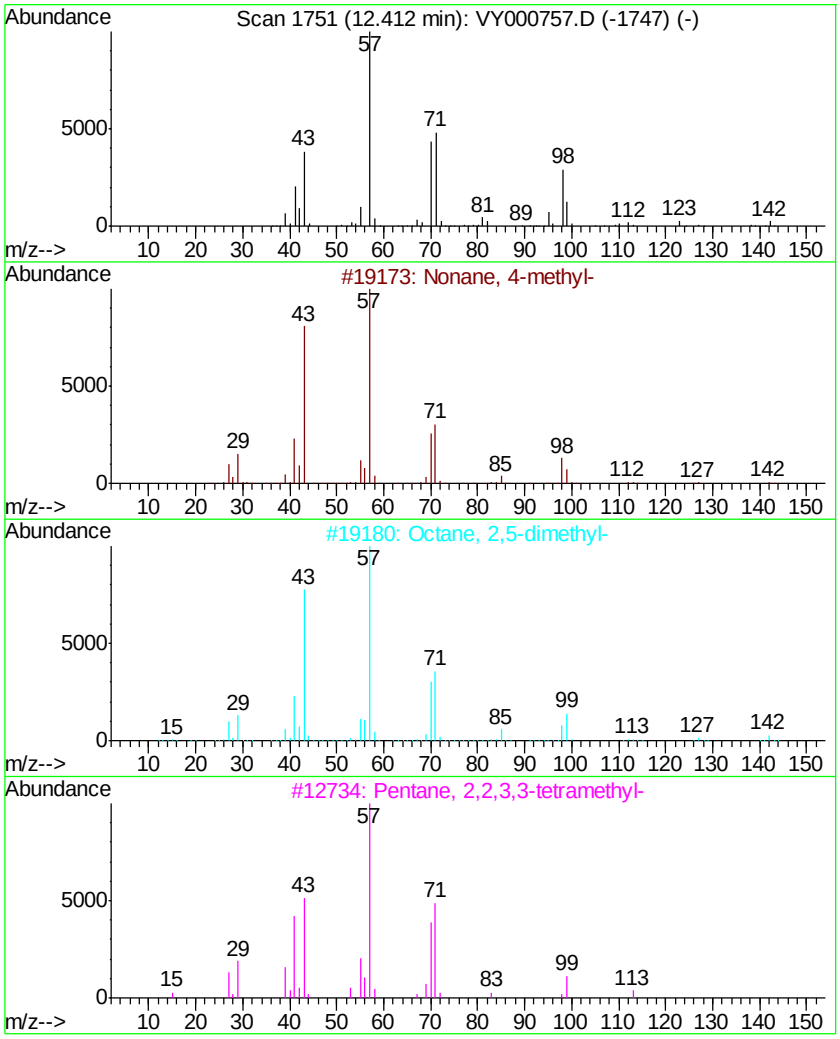
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

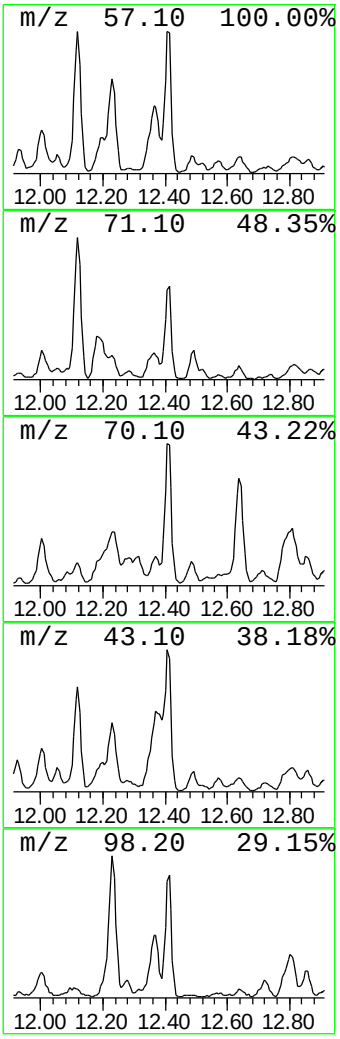
****

Peak Number 4 Nonane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	64.97 ug/l	2083030	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	43





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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

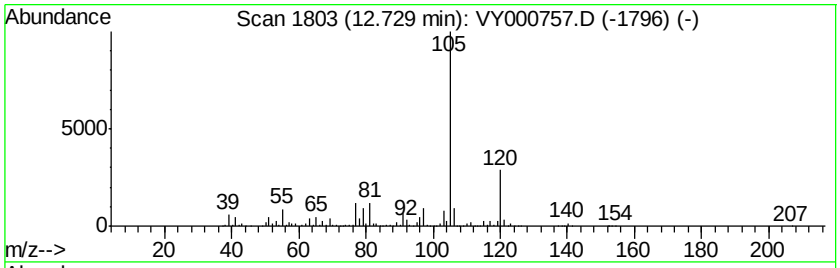
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

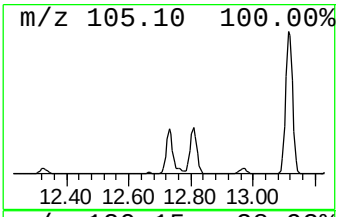
****

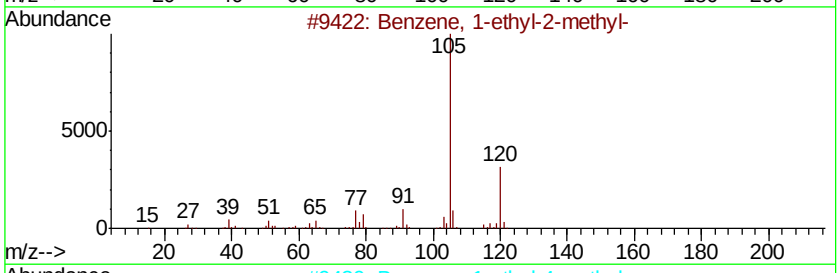
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

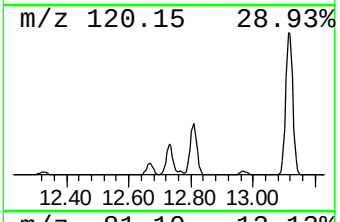
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	100.85 ug/l	3373200	1,4-Dichlorobenzene-d4	13.42

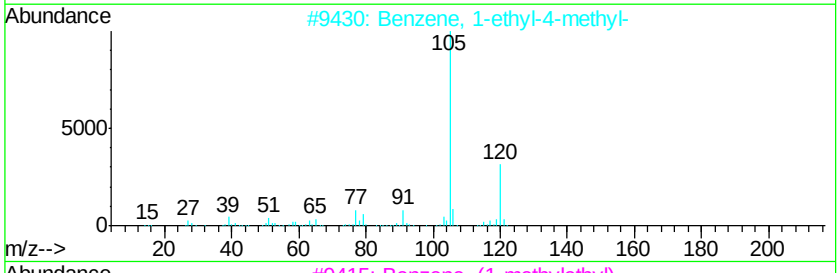
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64
4	Mesitylene	120	C9H12	000108-67-8	58
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55

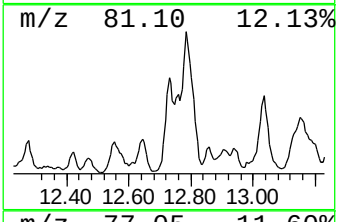


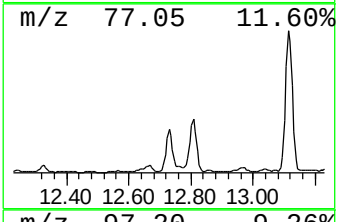


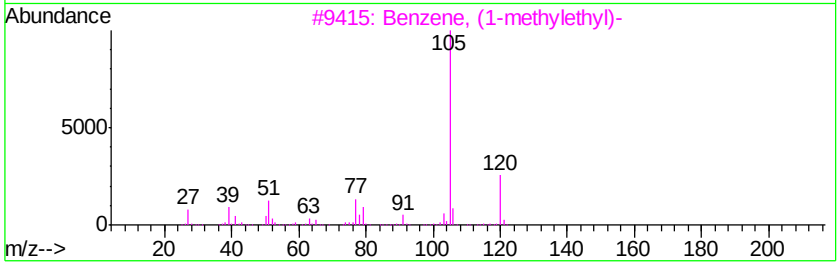


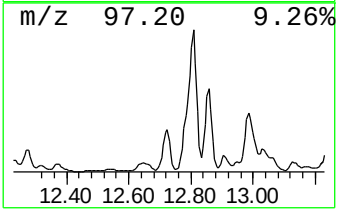












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

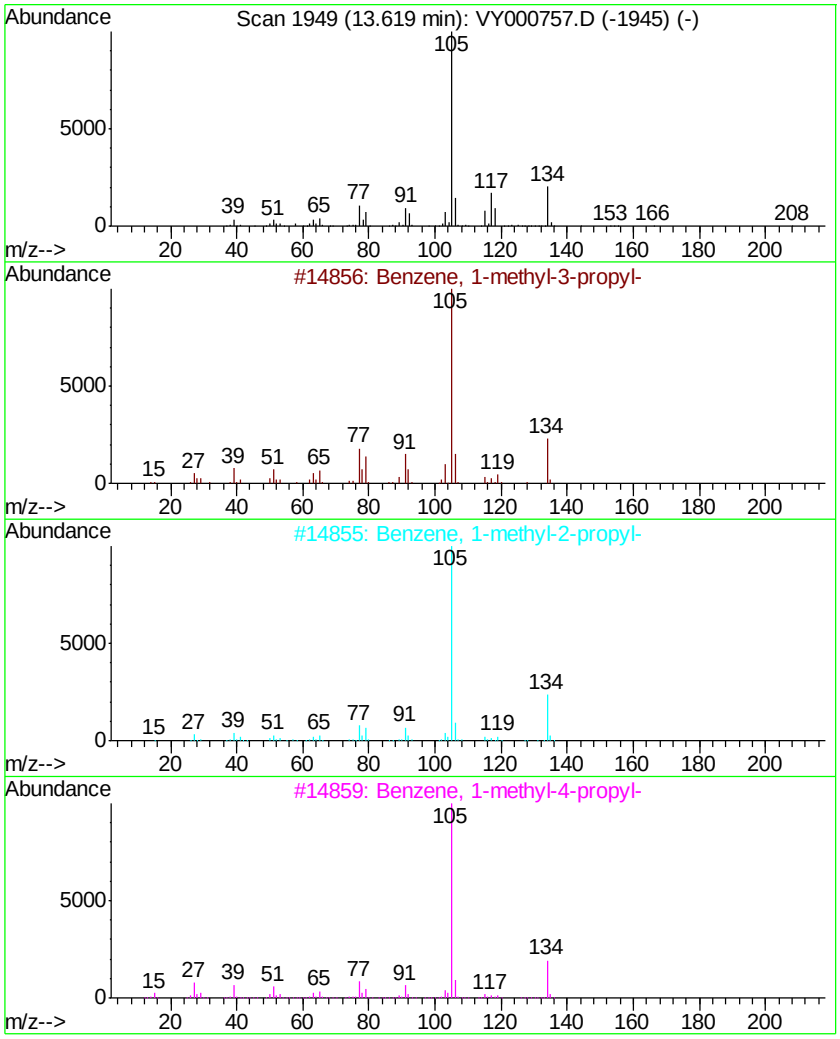
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

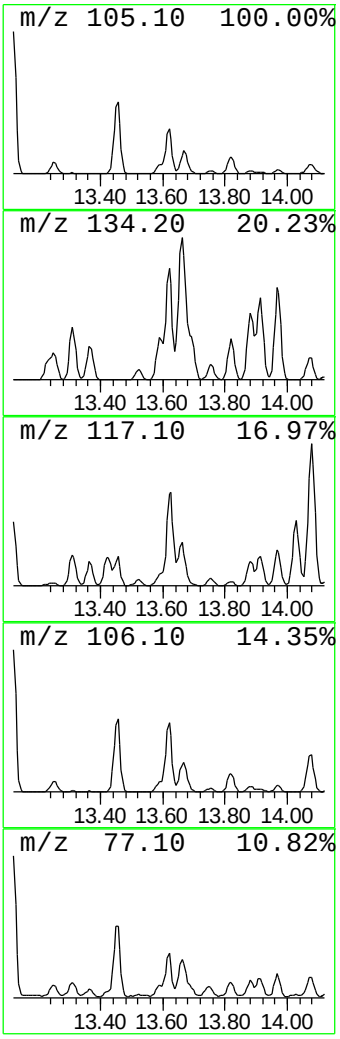
****

Peak Number 6 Benzene, 1-methyl-3-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	71.59 ug/l	2394710	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	81
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	74
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	68
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

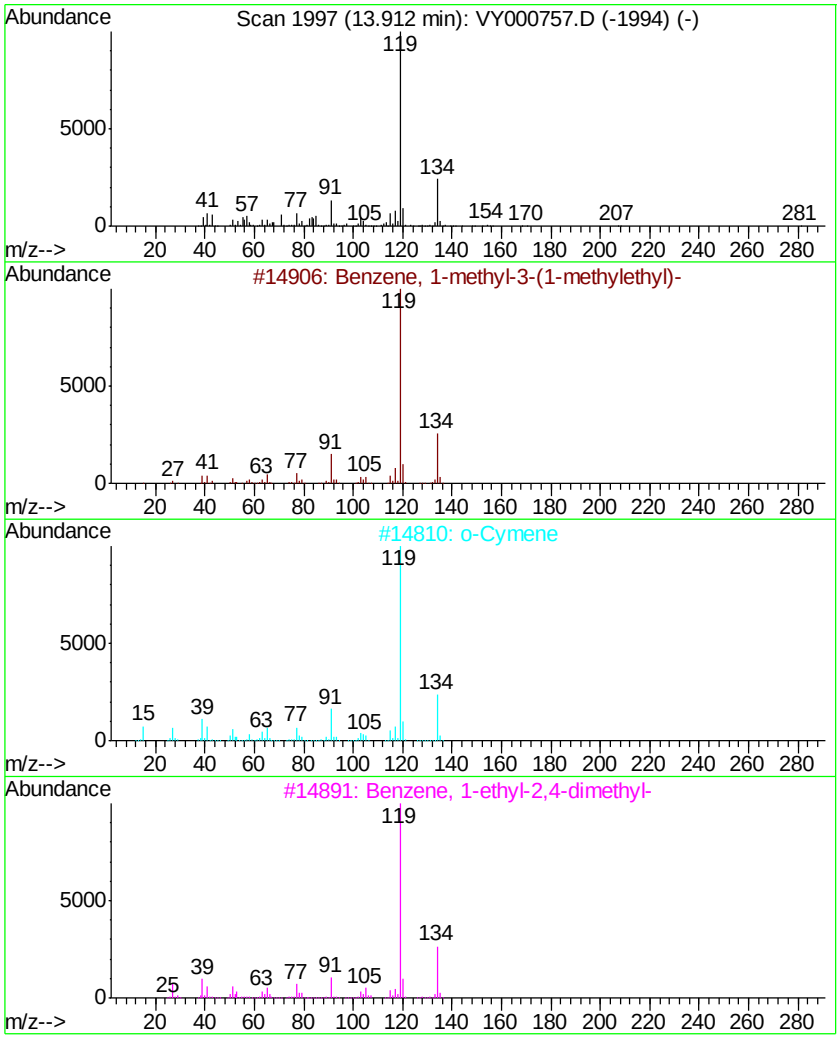
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

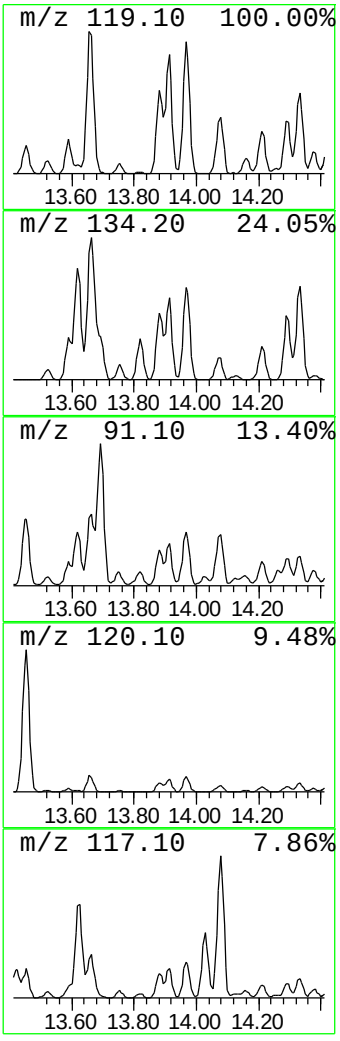
****

Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	54.08 ug/l	1809030	1,4-Dichlorobenzene-d4	13.42

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	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

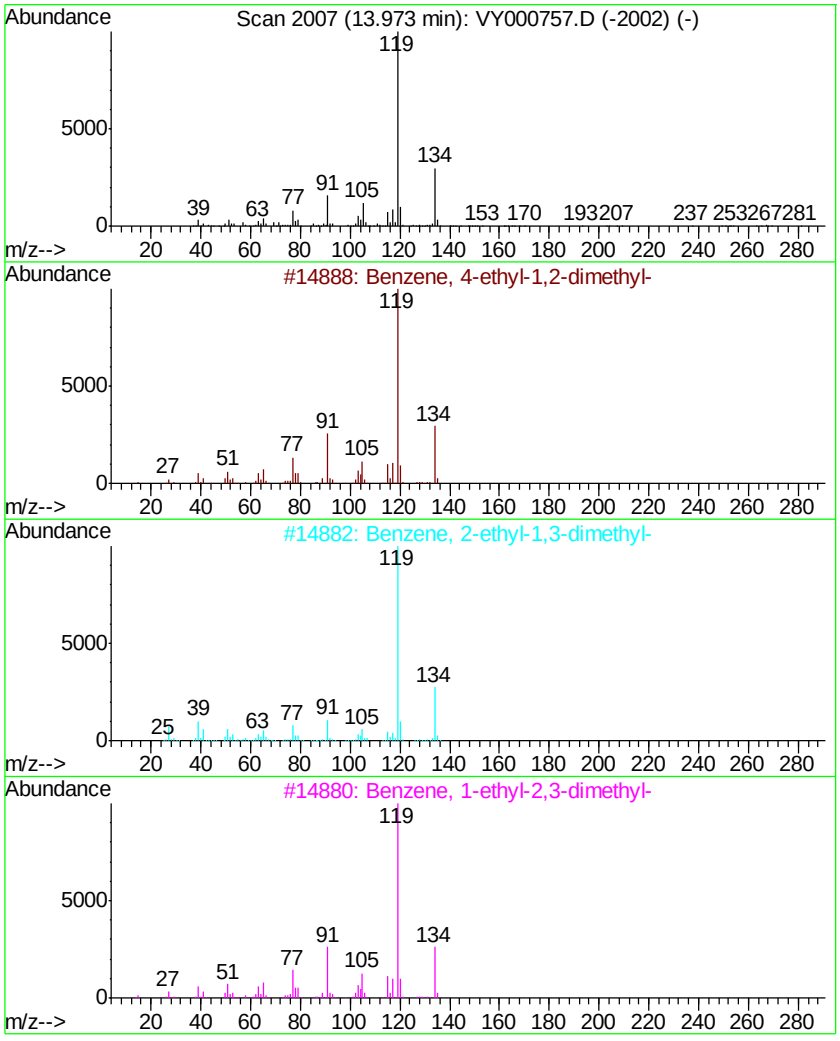
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

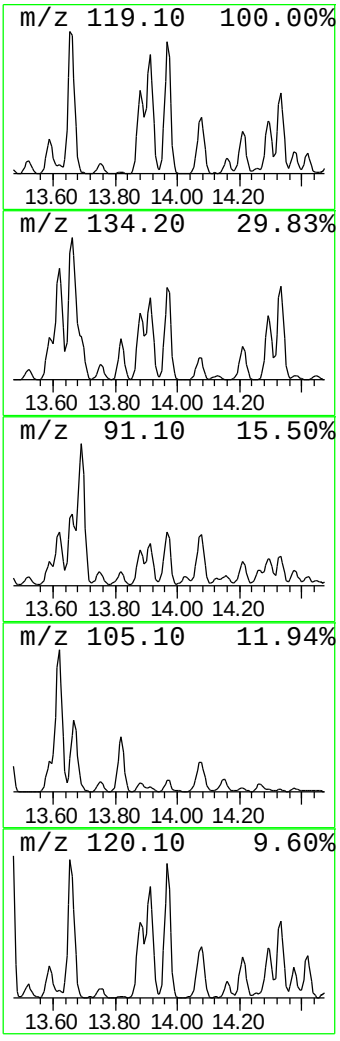
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	55.49 ug/l	1856200	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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

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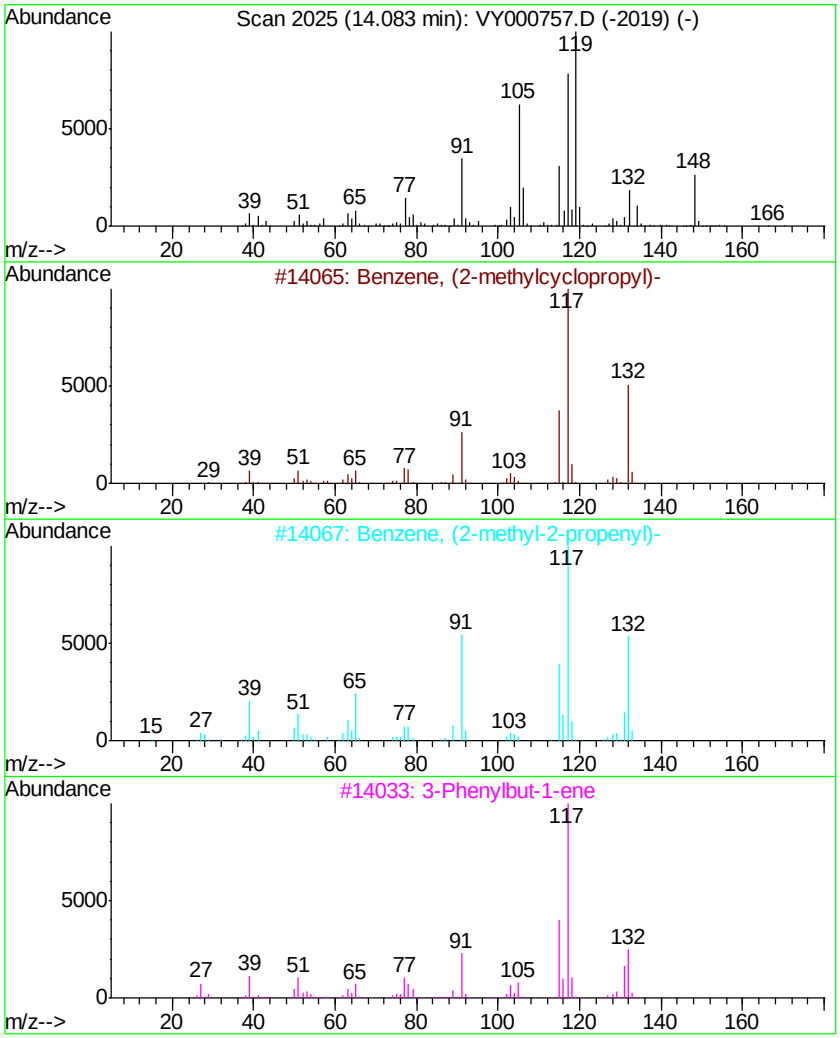
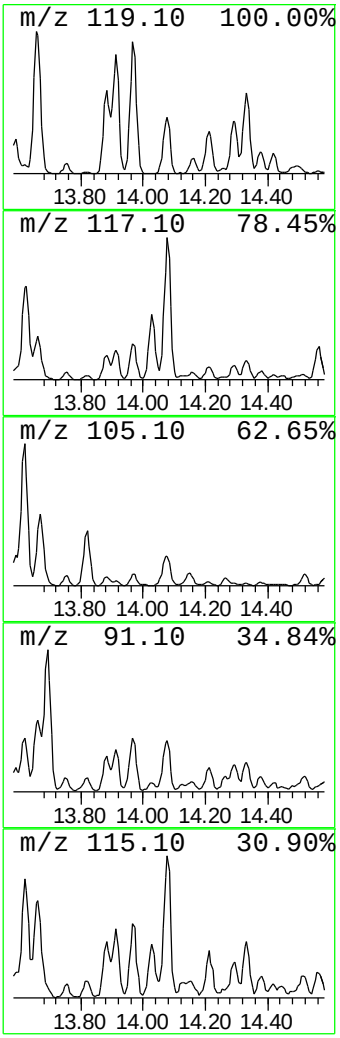
Peak Number 9 unknown14.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	53.98 ug/l	1805610	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	46
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	46
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	46
4	o-Cymene	134	C10H14	000527-84-4	46
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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

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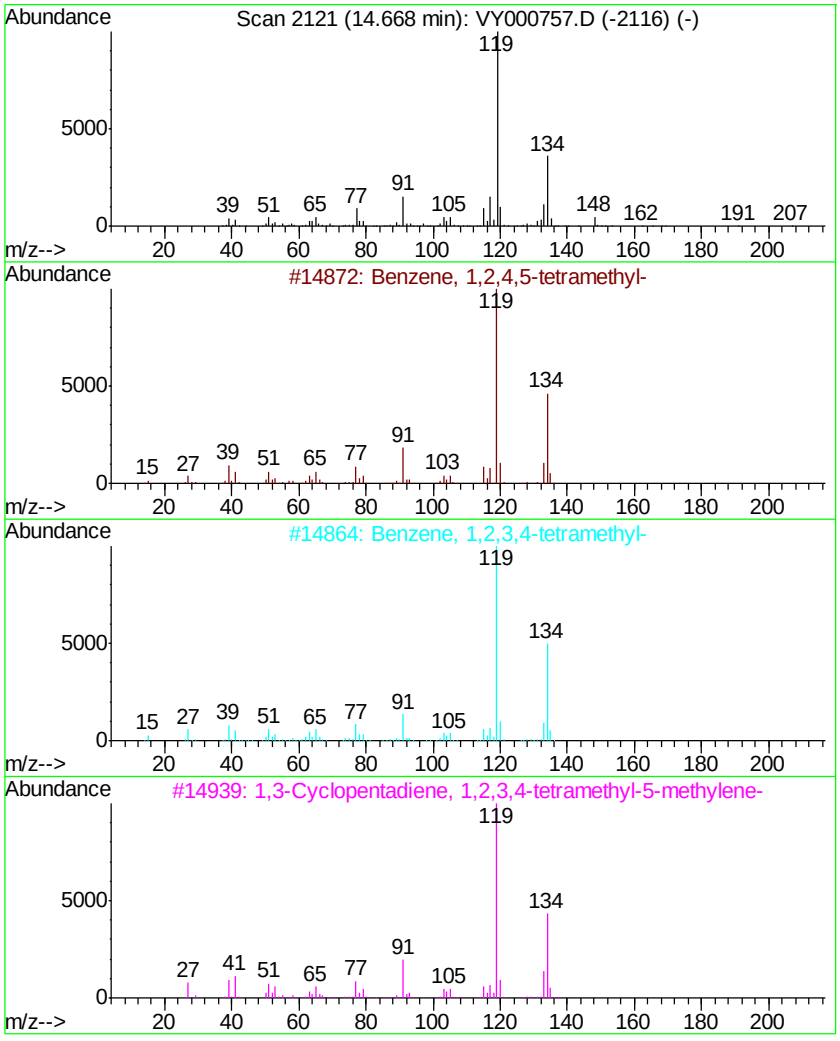
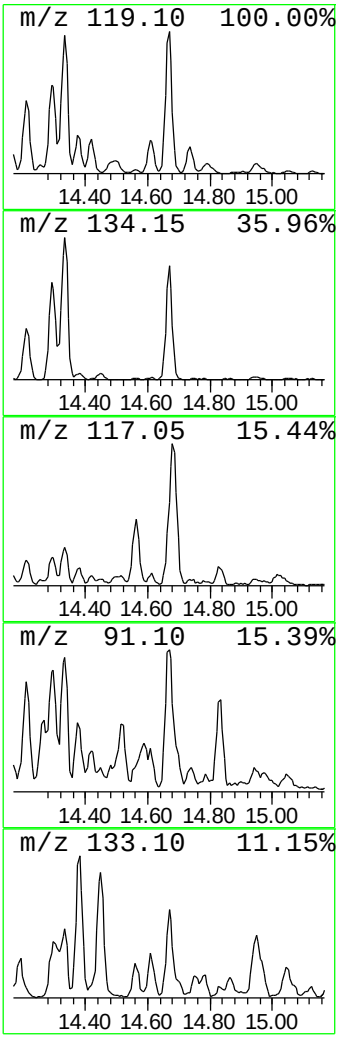
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	50.36 ug/l	1684610	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000757.D
Acq On : 20 Nov 2019 17:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.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
1-Ethyl-4-methylc...	12.00	50.8	ug/l	1629640	3	11.49	1602980	50.0
Octane, 3,6-dimet...	12.12	41.6	ug/l	1332920	3	11.49	1602980	50.0
Cyclohexane, propyl-	12.24	75.8	ug/l	2431720	3	11.49	1602980	50.0
Nonane, 4-methyl-	12.41	65.0	ug/l	2083030	3	11.49	1602980	50.0
Benzene, 1-ethyl-...	12.73	100.8	ug/l	3373200	4	13.42	1672430	50.0
Benzene, 1-methyl...	13.62	71.6	ug/l	2394710	4	13.42	1672430	50.0
Benzene, 1-methyl...	13.91	54.1	ug/l	1809030	4	13.42	1672430	50.0
Benzene, 4-ethyl-...	13.97	55.5	ug/l	1856200	4	13.42	1672430	50.0
unknown14.08	14.08	54.0	ug/l	1805610	4	13.42	1672430	50.0
Benzene, 1,2,4,5-...	14.67	50.4	ug/l	1684610	4	13.42	1672430	50.0