LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010646.D
Acq On : 31 May 2019 19:36
Operator : SY/VA
Sample : K3097-23
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

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_W\METHOD\82W052019S.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	1.959	4	9	22	rVB2	22274	44675	2.26%	0.161%
2	3.019	173	183	193	rBV2	16632	40896	2.07%	0.148%
3	4.123	353	364	374	rBV2	28458	78937	3.99%	0.285%
4	4.385	396	407	421	rBV3	12861	40624	2.05%	0.147%
5	4.958	480	501	510	rBV6	5852	33330	1.68%	0.120%
6	7.141	848	859	874	rBV2	50900	165401	8.35%	0.597%
7	7.884	970	981	986	rBV2	113542	272796	13.78%	0.984%
8	7.951	986	992	1000	rVV	210075	476505	24.07%	1.719%
9	8.037	1000	1006	1013	rVV2	11680	29346	1.48%	0.106%
10	8.159	1016	1026	1031	rBV2	10063	23530	1.19%	0.085%
11	8.256	1031	1042	1048	rVV	262864	716931	36.21%	2.587%
12	8.305	1048	1050	1061	rVV2	118774	213062	10.76%	0.769%
13	8.433	1061	1071	1073	rVV3	9718	24246	1.22%	0.087%
14	8.482	1074	1079	1088	rVV3	14531	45405	2.29%	0.164%
15	8.573	1088	1094	1102	rVB2	17614	39644	2.00%	0.143%
16	8.841	1130	1138	1149	rBV	303430	606688	30.65%	2.189%
17	9.073	1168	1176	1183	rBV2	12385	29407	1.49%	0.106%
18	9.329	1204	1218	1224	rBV3	74290	219396	11.08%	0.792%
19	9.384	1224	1227	1236	rVB3	28093	49007	2.48%	0.177%
20	9.604	1254	1263	1271	rVB2	39345	93899	4.74%	0.339%
21	9.756	1280	1288	1295	rVB2	50844	105087	5.31%	0.379%
22	9.896	1305	1311	1315	rBV2	33917	60606	3.06%	0.219%
23	9.951	1315	1320	1325	rVB4	14374	27503	1.39%	0.099%
24	10.079	1334	1341	1347	rBV3	33437	85117	4.30%	0.307%
25	10.207	1356	1362	1365	rBV3	24744	47009	2.37%	0.170%
26	10.250	1365	1369	1374	rVV2	38229	68003	3.44%	0.245%
27	10.323	1374	1381	1395	rVV	553864	1089087	55.01%	3.930%
28	10.445	1397	1401	1404	rVV4	12404	23313	1.18%	0.084%
29	10.506	1404	1411	1417	rVB4	49448	127096	6.42%	0.459%
30	10.622	1422	1430	1433	rBV	48664	90113	4.55%	0.325%
31	10.664	1433	1437	1441	rVB	47941	67713	3.42%	0.244%
32	10.762	1447	1453	1458	rBV5	44692	100313	5.07%	0.362%
33	10.847	1463	1467	1472	rVB	43489	70308	3.55%	0.254%
34	10.933	1472	1481	1488	rBV	177237	325300	16.43%	1.174%

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ALS Vial : 19 Sample Multiplier: 1

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

35	11.036	1488	1498	1506	rBV	108761	305937	15.45%	1.104%
36	11.109	1506	1510	1514	rBV	46642	80710	4.08%	0.291%
37	11.176	1518	1521	1524	rVV	48351	60649	3.06%	0.219%
38	11.231	1524	1530	1535	rVB	237513	413521	20.89%	1.492%
39	11.286	1535	1539	1542	rVB3	39507	49404	2.50%	0.178%
40	11.335	1542	1547	1551	rBV2	108731	179361	9.06%	0.647%
41	11.384	1551	1555	1558	rBV2	29815	40771	2.06%	0.147%
42	11.439	1559	1564	1571	rVB2	147509	255984	12.93%	0.924%
43	11.512	1571	1576	1579	rBV2	44037	70961	3.58%	0.256%
44	11.634	1589	1596	1609	rVB	410209	768631	38.83%	2.773%
45	11.768	1613	1618	1621	rBV	66839	98547	4.98%	0.356%
46	11.817	1621	1626	1631	rBV4	89020	183569	9.27%	0.662%
47	11.878	1631	1636	1639	rVV	135702	233734	11.81%	0.843%
48	11.914	1640	1642	1647	rVB	123339	180742	9.13%	0.652%
49	11.975	1647	1652	1655	rBV2	81036	152281	7.69%	0.549%
50	12.067	1663	1667	1671	rVB3	78575	133777	6.76%	0.483%
51	12.140	1671	1679	1690	rBV6	305353	1008305	50.93%	3.638%
52	12.256	1690	1698	1702	rVB	410243	744627	37.61%	2.687%
53	12.365	1702	1716	1723	rBV4	444898	1581289	79.88%	5.706%
54	12.457	1727	1731	1735	rVV5	175878	410384	20.73%	1.481%
55	12.505	1736	1739	1746	rVB4	169193	351105	17.74%	1.267%
56	12.621	1752	1758	1763	rBV2	476556	818433	41.34%	2.953%
57	12.707	1763	1772	1776	rBV7	145791	395080	19.96%	1.426%
58	12.780	1780	1784	1790	rVB2	383410	708957	35.81%	2.558%
59	12.865	1790	1798	1802	rBV4	238547	601562	30.39%	2.171%
60	12.944	1804	1811	1816	rBV7	292559	754933	38.13%	2.724%
61	13.079	1825	1833	1837	rBV4	215374	521469	26.34%	1.882%
62	13.127	1837	1841	1844	rVV3	251883	400183	20.21%	1.444%
63	13.170	1844	1848	1860	rVB3	334872	635966	32.12%	2.295%
64	13.261	1860	1863	1866	rBV4	73984	104586	5.28%	0.377%
65	13.298	1866	1869	1873	rVV2	123795	171078	8.64%	0.617%
66	13.347	1874	1877	1880	rVB2	112251	142508	7.20%	0.514%
67	13.383	1880	1883	1886	rBV3	54598	57435	2.90%	0.207%
68	13.450	1886	1894	1897	rBV5	252402	554964	28.03%	2.002%
69	13.560	1907	1912	1920	rVB2	393352	781586	39.48%	2.820%
70	13.700	1930	1935	1939	rBV3	155610	274419	13.86%	0.990%
71	13.761	1939	1945	1954	rVB	406255	752198	38.00%	2.714%

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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.883	1959	1965	1969	rBV3	353838	656439	33.16%	2.369%
73	13.987	1978	1982	1984	rBV4	101494	152838	7.72%	0.551%
74	14.200	2013	2017	2022	rBV5	119205	234019	11.82%	0.844%
75	14.267	2024	2028	2034	rVB5	127427	233967	11.82%	0.844%
76	14.328	2034	2038	2042	rBV6	59820	124378	6.28%	0.449%
77	14.389	2043	2048	2052	rBV3	303002	500865	25.30%	1.807%
78	14.505	2063	2067	2069	rBV4	57131	96360	4.87%	0.348%
79	14.554	2070	2075	2080	rVB6	205037	356027	17.98%	1.285%
80	14.804	2111	2116	2120	rBV5	157927	325581	16.45%	1.175%
81	14.847	2120	2123	2130	rVB3	209544	409904	20.71%	1.479%
82	15.066	2155	2159	2165	rVB8	110923	199022	10.05%	0.718%
83	15.334	2198	2203	2204	rBV	213239	282127	14.25%	1.018%
84	15.371	2204	2209	2219	rVB	1051626	1979679	100.00%	7.143%
85	15.639	2250	2253	2255	rBV3	37034	54766	2.77%	0.198%
86	15.737	2266	2269	2276	rVB5	124545	238098	12.03%	0.859%
87	16.297	2356	2361	2369	rVB	122243	240267	12.14%	0.867%
88	16.450	2380	2386	2398	rVB	134020	312880	15.80%	1.129%
89	16.651	2412	2419	2431	rVB	289142	807068	40.77%	2.912%

Sum of corrected areas: 27714224

LSC Report - Integrated Chromatogram

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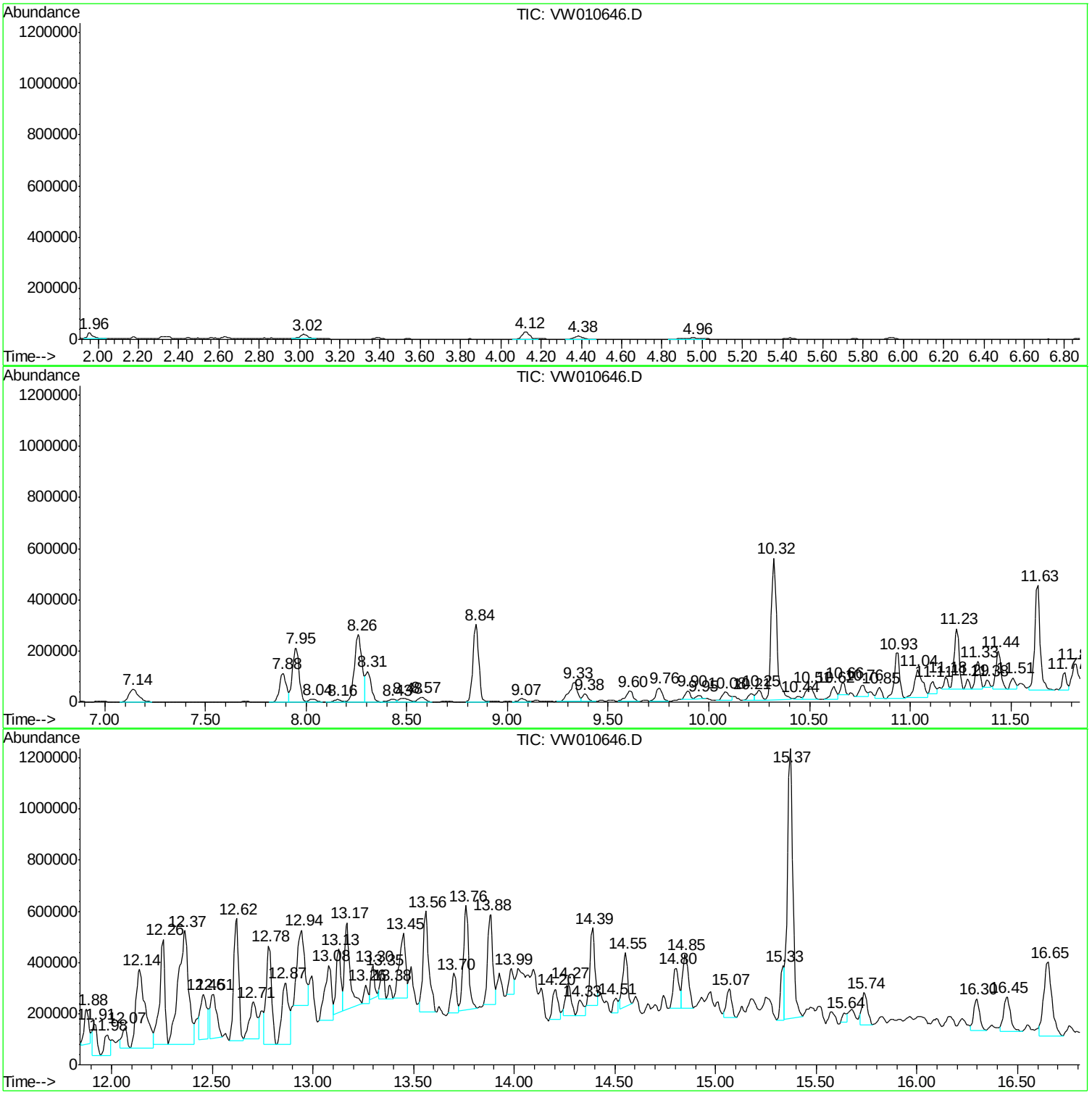
Sample : K3097-23
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

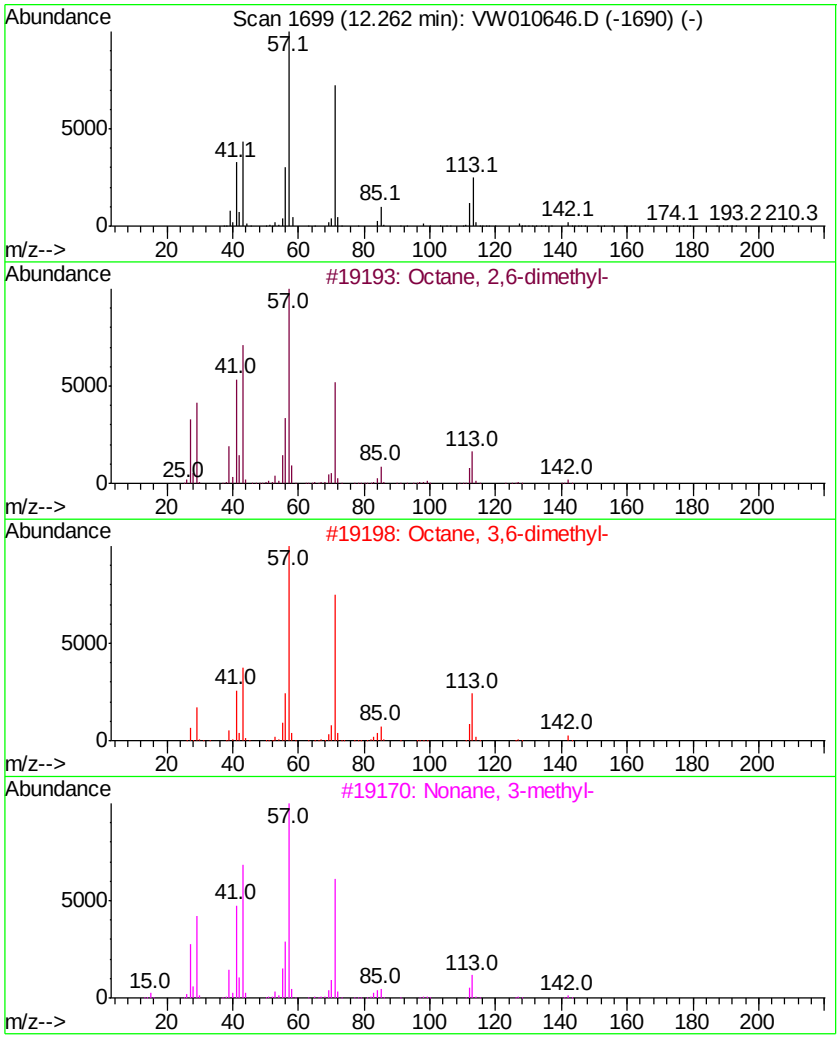
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

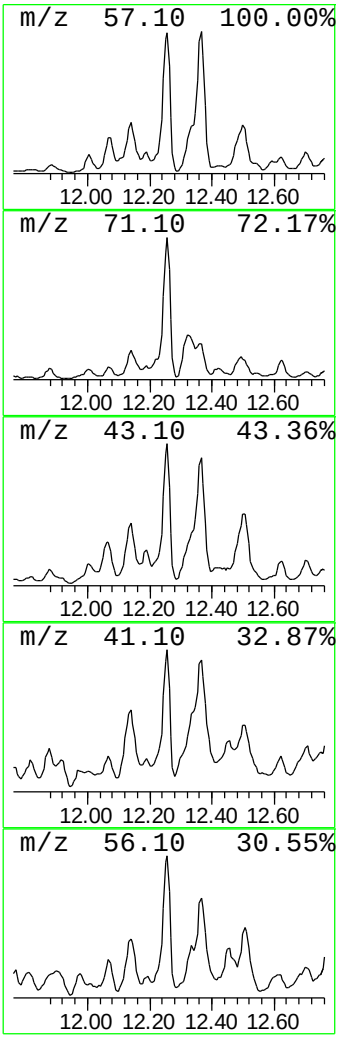
****

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	48.44 ug/l	744627	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5	Octyl thioglycolate	204	C10H20O2S	007664-80-4	64





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Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

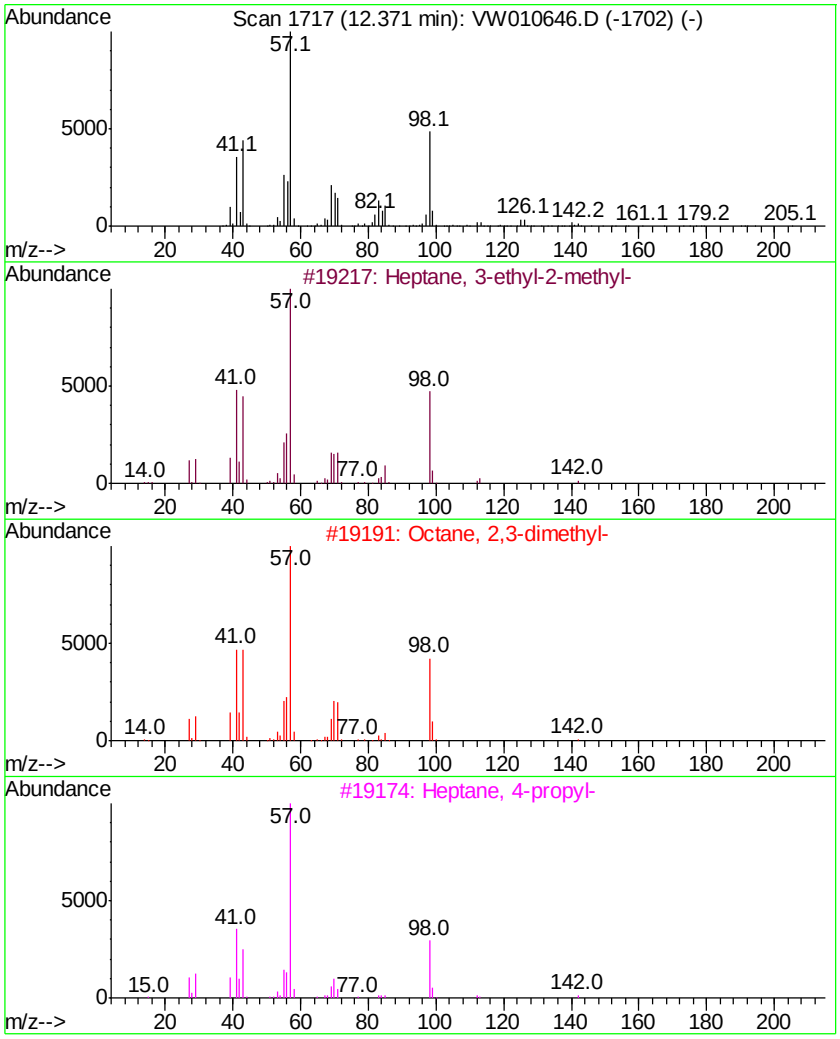
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

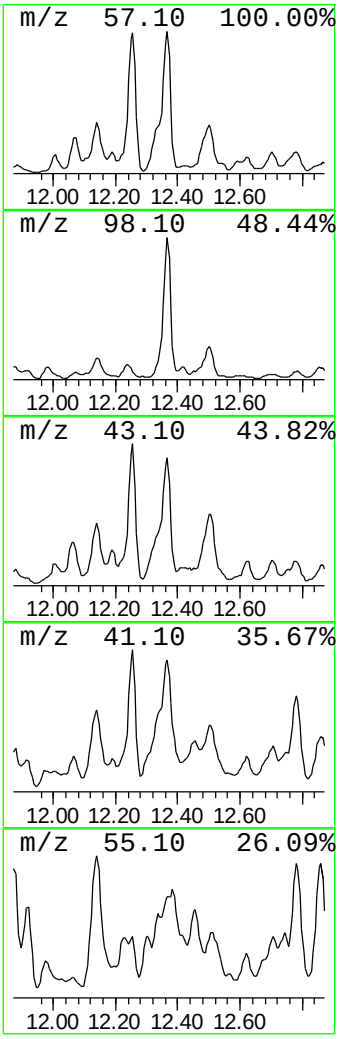
****

Peak Number 2 Heptane, 3-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	102.86 ug/l	1581290	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	68
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	53
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	38





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Quant Title : SW846 8260

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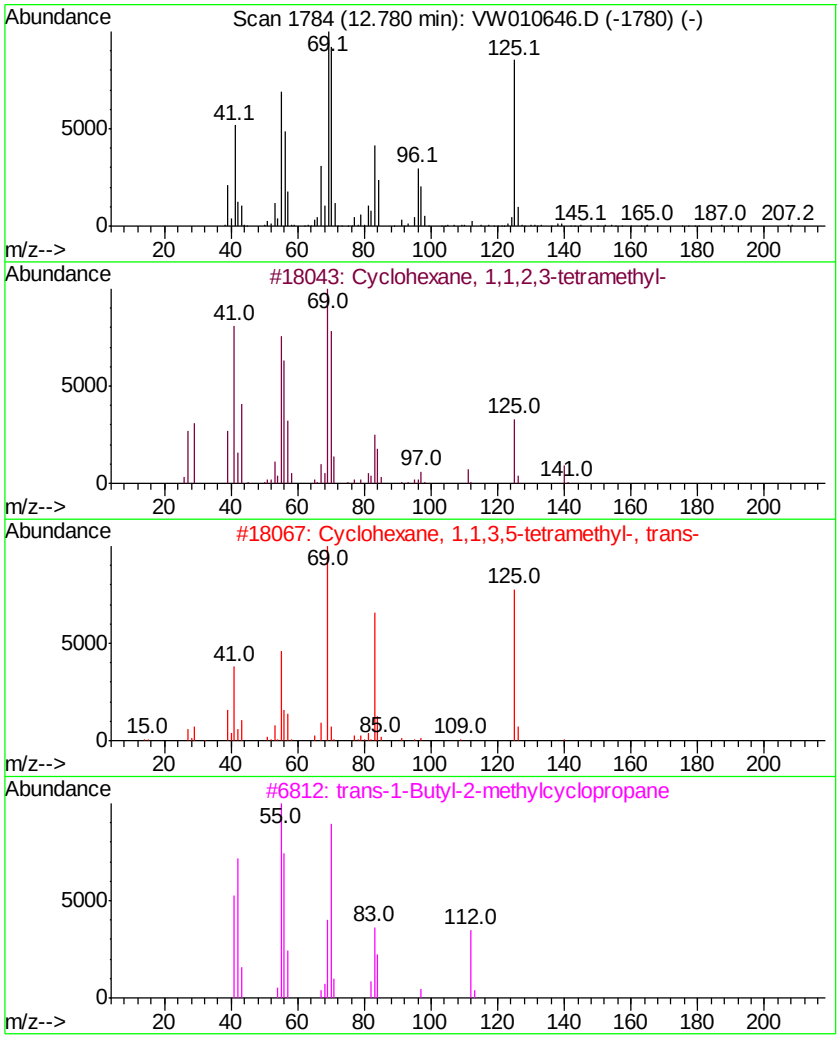
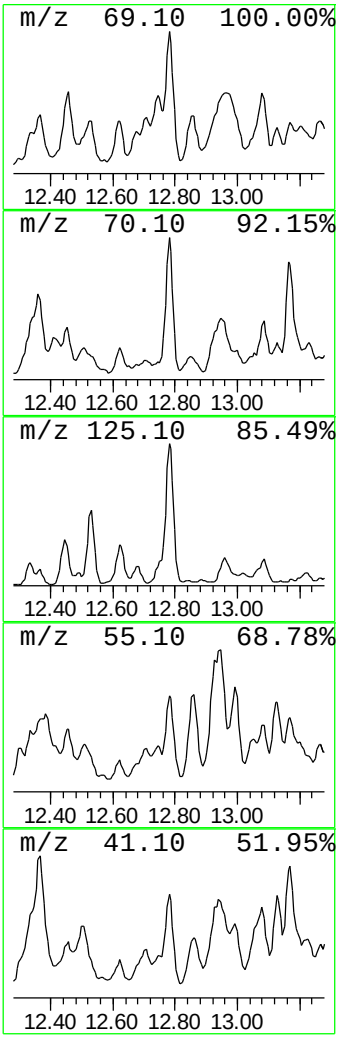
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	45.35 ug/l	708957	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	53
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
5	Cyclohexane, 1,1'-(1-methylethyl...	208	C15H28	054934-90-6	43





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Quant Title : SW846 8260

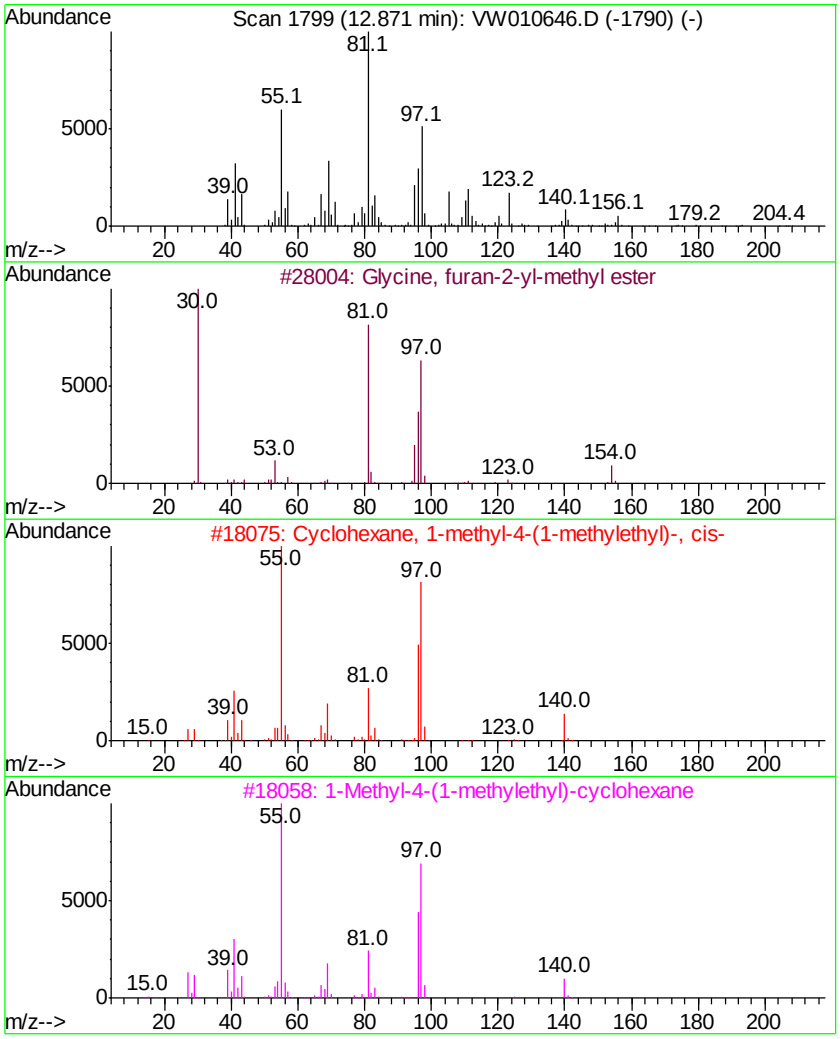
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

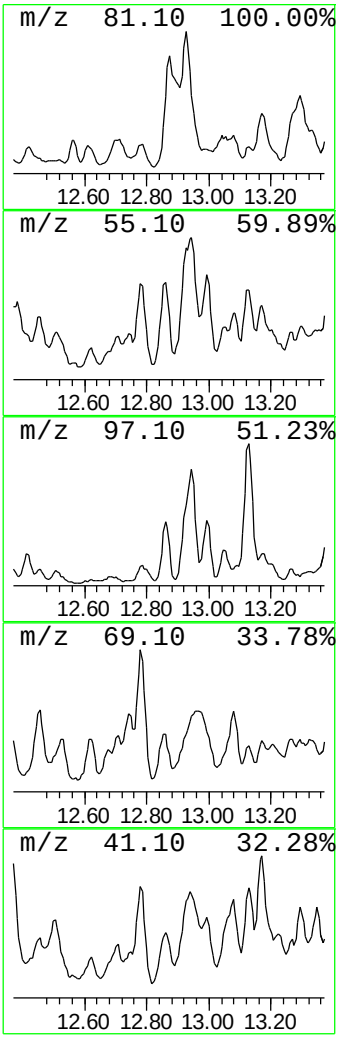
****

Peak Number 4 Glycine, furan-2-yl-methyl ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	38.48 ug/l	601562	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycine, furan-2-yl-methyl ester	155	C7H9NO3	1000306-78-7	53
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
5	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	35





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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

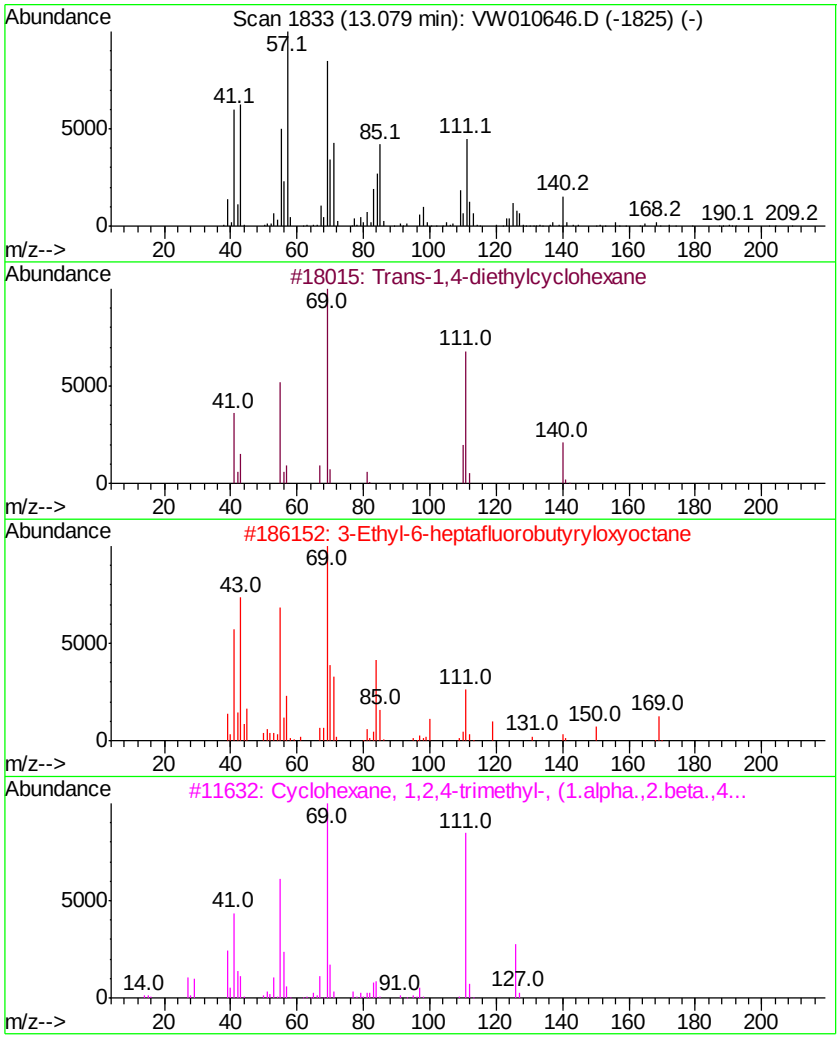
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

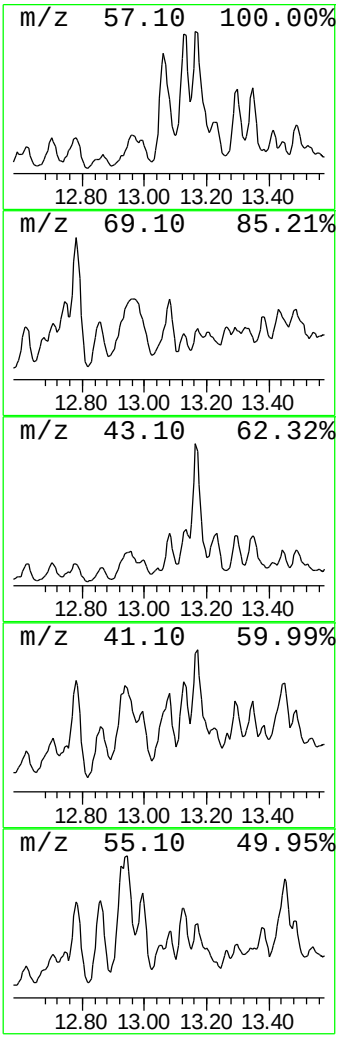
****

Peak Number 5 unknown13.08 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	33.36 ug/l	521469	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43
2	3-Ethyl-6-heptafluorobutyryloxyo...	354	C14H21F7O2	1000215-97-4	43
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	35
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	30
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	30





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Operator : SY/VA
Sample : K3097-23
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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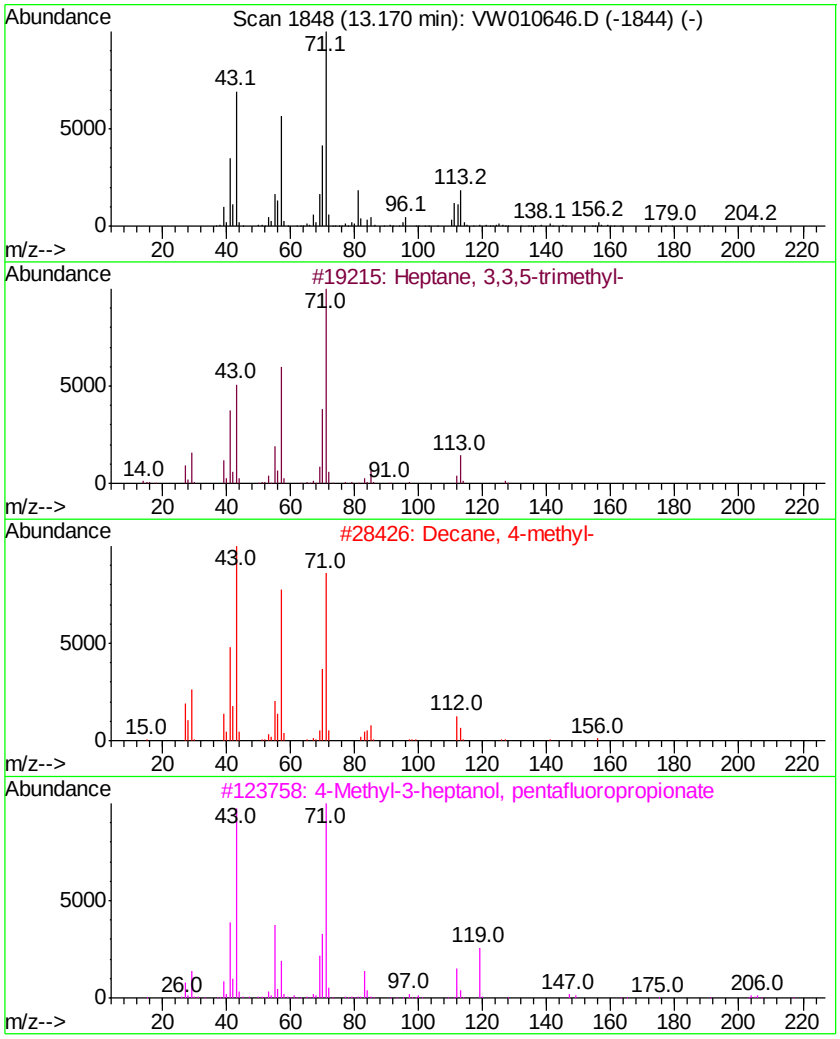
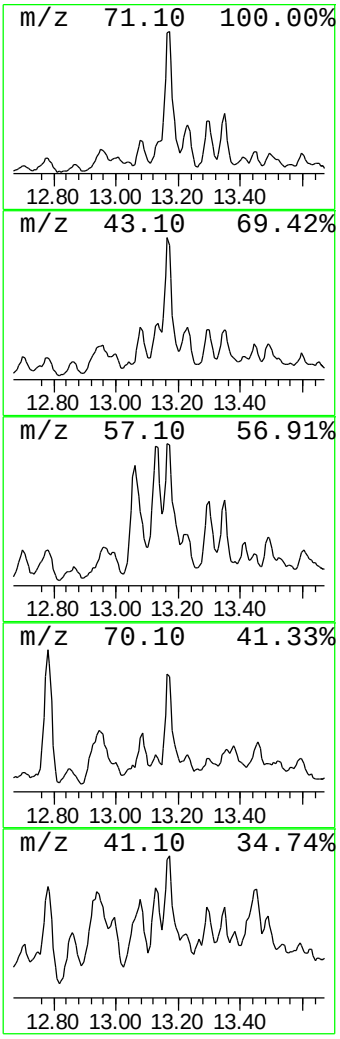
Peak Number 6 Heptane, 3,3,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	40.68 ug/l	635966	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
2	Decane, 4-methyl-	156	C11H24	002847-72-5	59
3	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	50
4	Sulfurous acid, 2-ethylhexyl iso...	250	C12H26O3S	1000309-18-7	50
5	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010646.D
Acq On : 31 May 2019 19:36
Operator : SY/VA
Sample : K3097-23
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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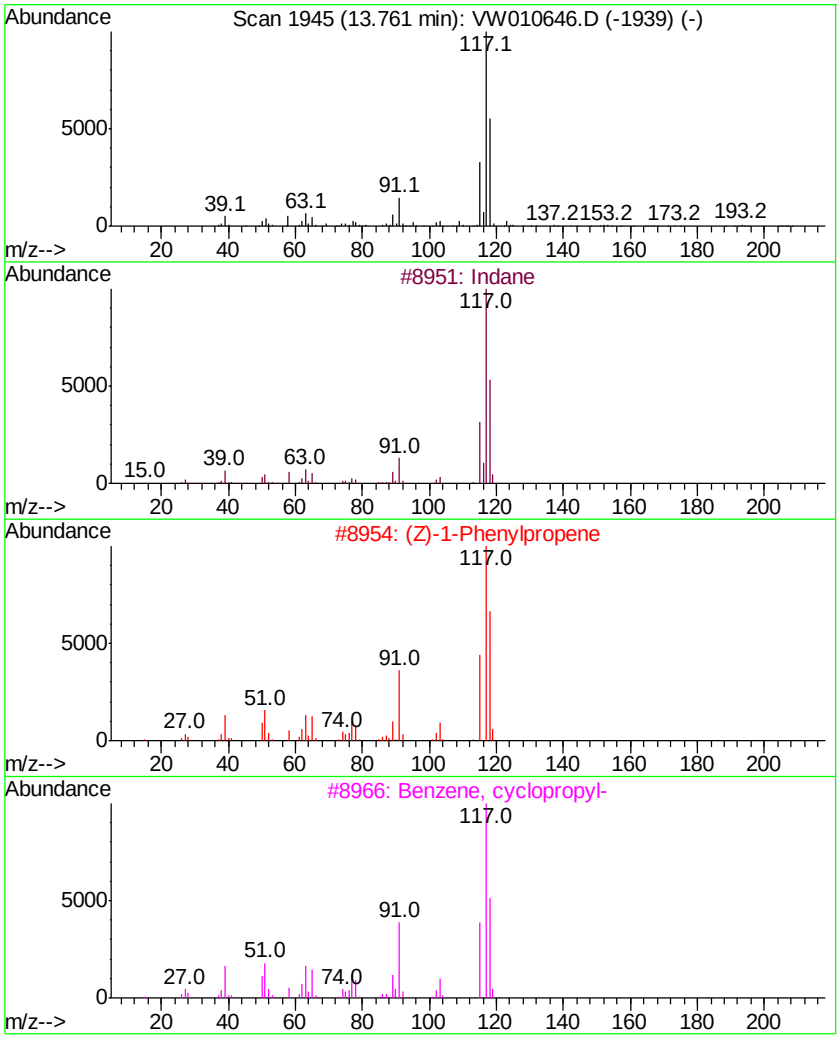
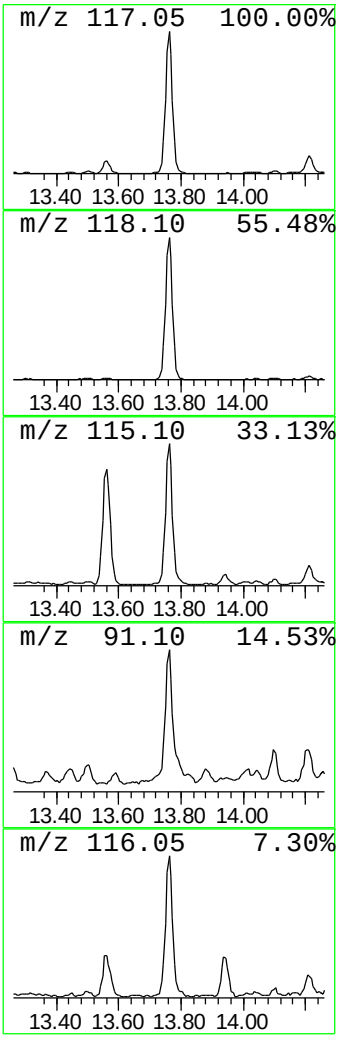
Peak Number 7 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	48.12 ug/l	752198	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





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Data File : VW010646.D
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Operator : SY/VA
Sample : K3097-23
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

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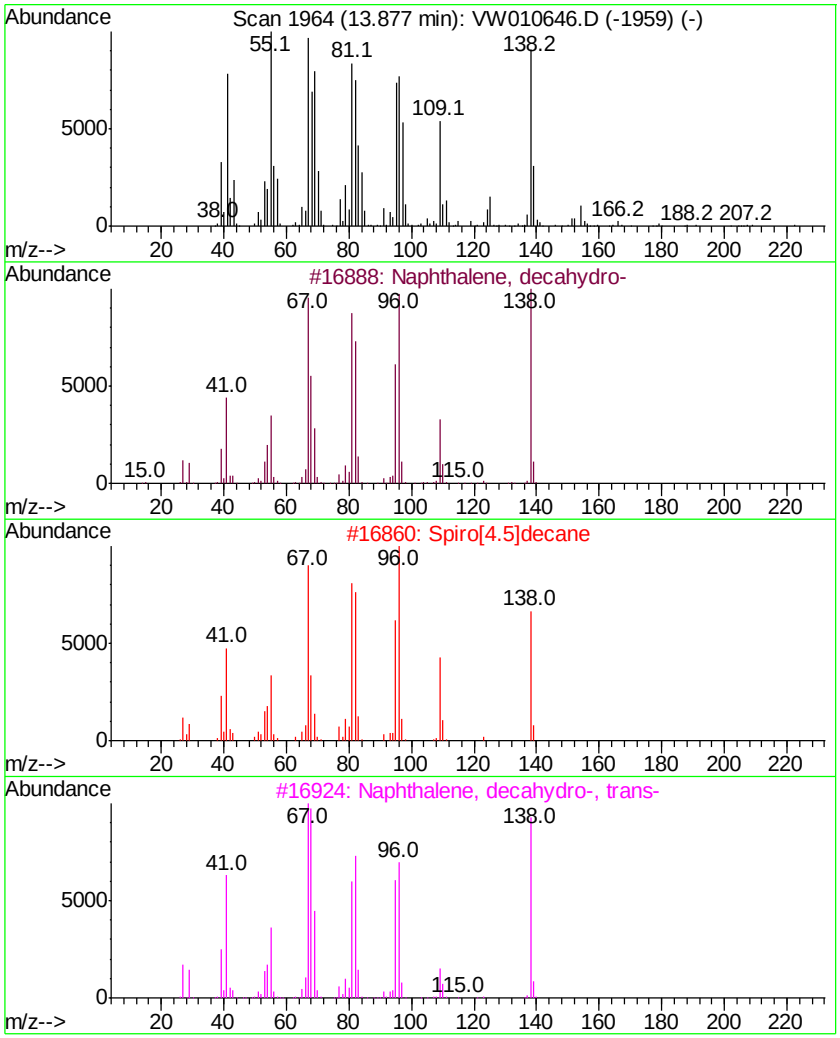
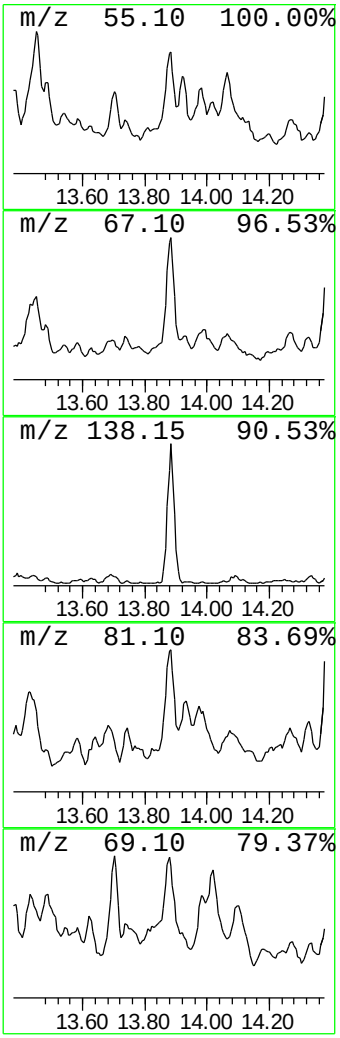
Peak Number 8 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	41.99 ug/l	656439	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Spiro[4.5]decane	138	C10H18	000176-63-6	93
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
5	Cyclodecene	138	C10H18	003618-12-0	72





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Operator : SY/VA
Sample : K3097-23
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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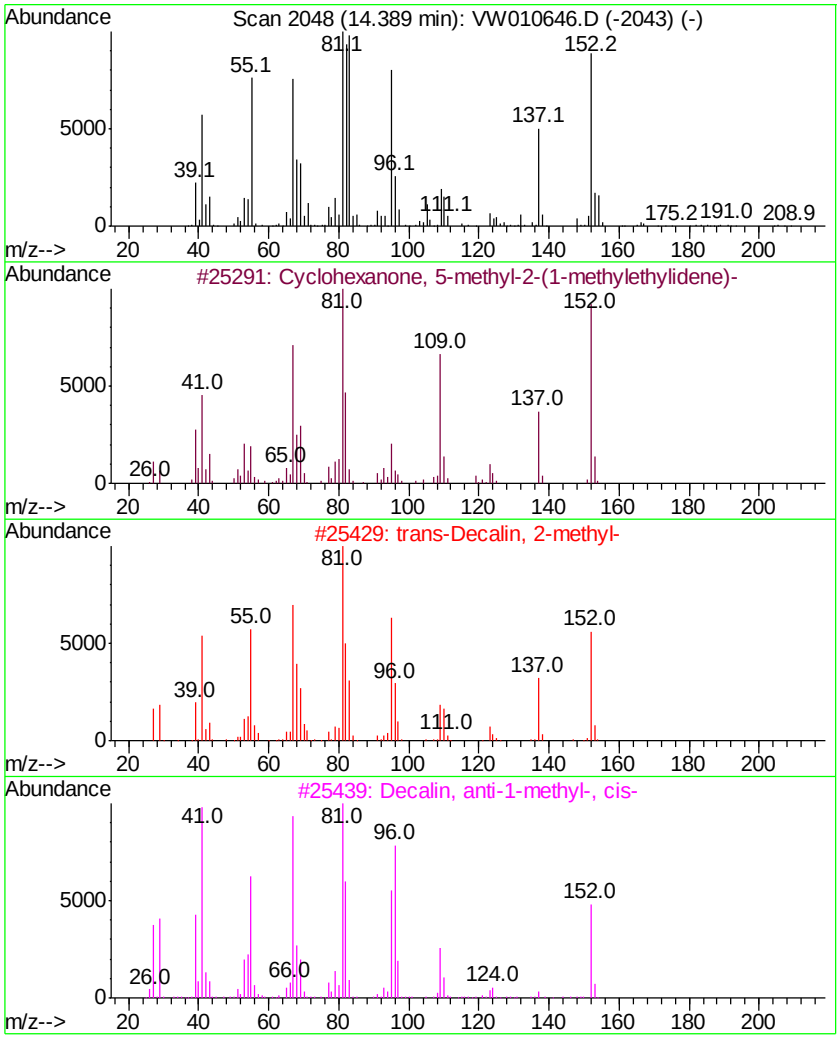
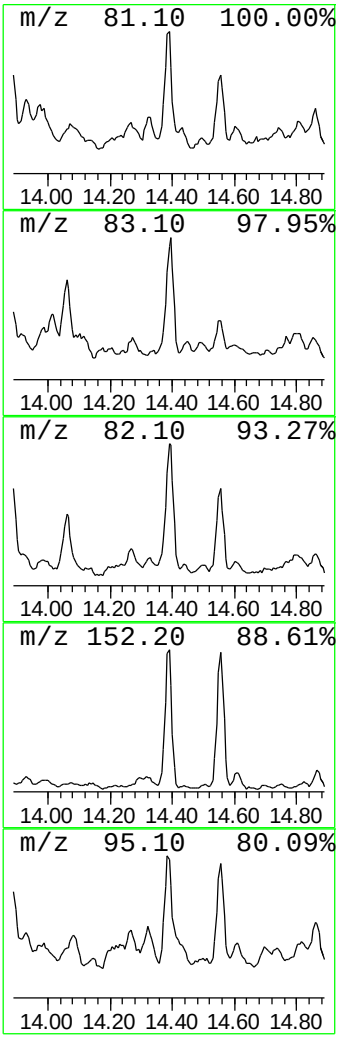
Peak Number 9 Cyclohexanone, 5-methyl-2-(... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	32.04 ug/l	500865	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	53
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	52
3	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	52
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	30
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	30





Library Search Compound Report

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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0443-PR-6(PASSAIC)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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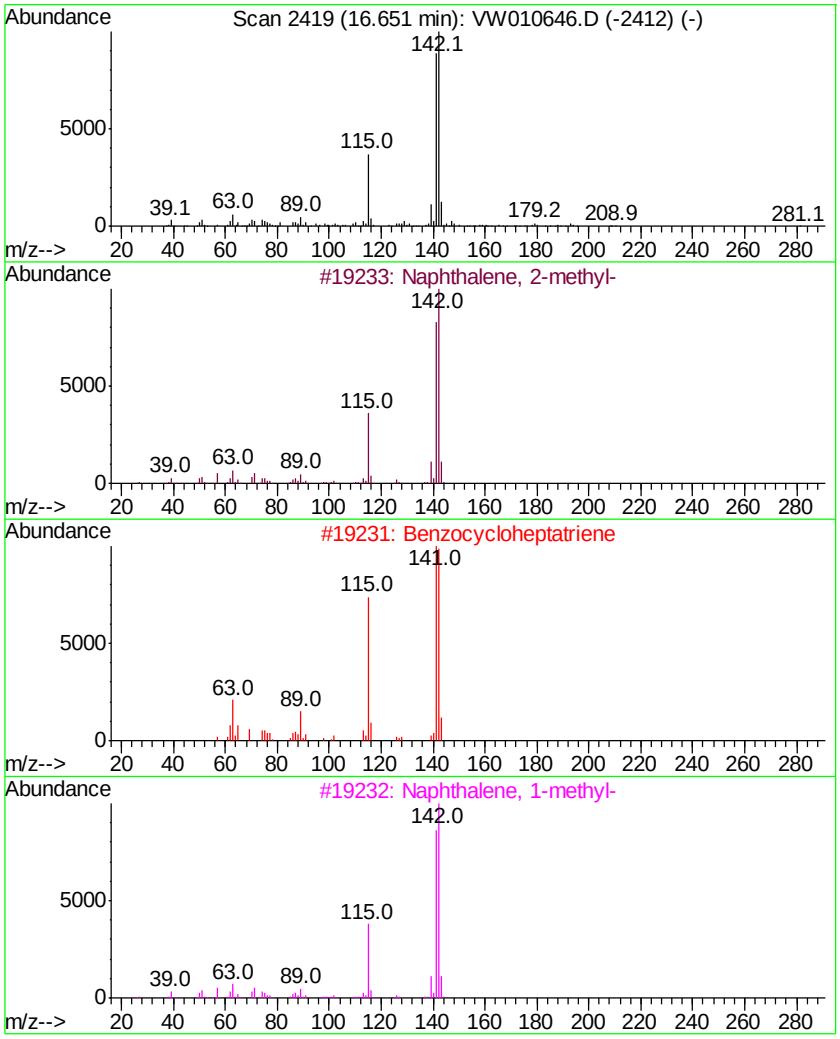
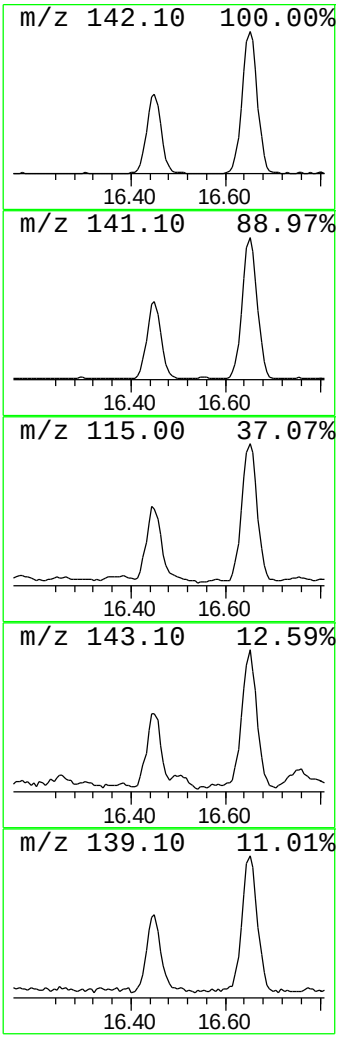
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	51.63 ug/l	807068	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Benzocycloheptatriene	142	C11H10	000264-09-5	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Spiro(tricyclo[6.2.1.0(2,7)]unde...	186	C13H14O	1000210-02-3	74





Tentatively Identified Compound (LSC) summary

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Data File : VW010646.D
Acq On : 31 May 2019 19:36
Operator : SY/VA
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ALS Vial : 19 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.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
Octane, 2,6-dimet...	12.26	48.4	ug/l	744627	3	11.63	768631	50.0
Heptane, 3-ethyl-...	12.37	102.9	ug/l	1581290	3	11.63	768631	50.0
Cyclohexane, 1,1,...	12.78	45.4	ug/l	708957	4	13.56	781586	50.0
Glycine, furan-2-...	12.87	38.5	ug/l	601562	4	13.56	781586	50.0
unknown13.08	13.08	33.4	ug/l	521469	4	13.56	781586	50.0
Heptane, 3,3,5-tr...	13.17	40.7	ug/l	635966	4	13.56	781586	50.0
Indane	13.76	48.1	ug/l	752198	4	13.56	781586	50.0
Naphthalene, deca...	13.88	42.0	ug/l	656439	4	13.56	781586	50.0
Cyclohexanone, 5-...	14.39	32.0	ug/l	500865	4	13.56	781586	50.0
Naphthalene, 1-me...	16.65	51.6	ug/l	807068	4	13.56	781586	50.0