LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059701.D
Acq On : 7 Aug 2018 13:26
Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

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_D\METHOD\82D080618S.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	1.196	96	99	103	rBV	363556	817309	3.08%	0.152%
2	1.265	103	106	123	rVB	241523	725953	2.74%	0.135%
3	3.065	281	289	301	rBV	83305	294552	1.11%	0.055%
4	3.714	349	355	365	rBV2	93312	314385	1.19%	0.059%
5	4.599	439	445	458	rVB	209592	754657	2.84%	0.140%
6	5.573	534	544	552	rBV4	878845	3951477	14.90%	0.736%
7	5.682	552	555	564	rVV	300756	1023417	3.86%	0.191%
8	5.839	564	571	582	rVV	824543	3222246	12.15%	0.600%
9	5.996	582	587	595	rVB	147359	386926	1.46%	0.072%
10	6.144	595	602	606	rBV	411123	1376159	5.19%	0.256%
11	6.232	606	611	614	rVV2	350521	1169130	4.41%	0.218%
12	6.311	614	619	630	rVB	592251	2113880	7.97%	0.393%
13	6.498	630	638	650	rBV	1564005	4877094	18.39%	0.908%
14	6.675	650	656	665	rBV2	309946	950964	3.59%	0.177%
15	7.295	706	719	726	rBV	4231372	16891492	63.68%	3.144%
16	7.393	726	729	737	rVB	519243	1499310	5.65%	0.279%
17	7.541	738	744	750	rBV	605911	1649130	6.22%	0.307%
18	7.679	750	758	768	rVB2	740826	2539267	9.57%	0.473%
19	7.885	772	779	787	rBV2	907114	3081688	11.62%	0.574%
20	8.131	790	804	809	rBV2	490211	2432807	9.17%	0.453%
21	8.249	809	816	825	rBV2	3369310	13034140	49.14%	2.426%
22	8.446	830	836	844	rVB	2553666	8467120	31.92%	1.576%
23	8.584	845	850	855	rVB2	226947	844136	3.18%	0.157%
24	8.711	855	863	867	rBV	3220971	11050137	41.66%	2.057%
25	8.810	867	873	879	rVB2	3490472	11365041	42.84%	2.116%
26	8.938	879	886	889	rBV2	1017840	4248912	16.02%	0.791%
27	8.997	890	892	896	rVB	790700	1667083	6.28%	0.310%
28	9.115	896	904	909	rVB	4971967	17429772	65.71%	3.245%
29	9.233	909	916	924	rVB3	2261651	8223867	31.00%	1.531%
30	9.380	924	931	935	rBV	1234477	3430675	12.93%	0.639%
31	9.459	935	939	942	rBV	235220	564170	2.13%	0.105%
32	9.518	942	945	949	rVB	310134	699187	2.64%	0.130%
33	9.597	949	953	961	rVB	779706	2349496	8.86%	0.437%
34	9.774	963	971	981	rBV	2729216	10558678	39.80%	1.965%

LSC Area Percent Report

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Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

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_D\METHOD\82D080618S.M
Title : SW846 8260

35	9.951	981	989	994	rBV4	2346295	10215241	38.51%	1.902%
36	10.059	994	1000	1004	rVB	3617052	10759516	40.56%	2.003%
37	10.148	1004	1009	1013	rBV	4033825	12110586	45.66%	2.254%
38	10.207	1013	1015	1021	rVB3	1278174	2836616	10.69%	0.528%
39	10.315	1021	1026	1029	rBV	807741	2170324	8.18%	0.404%
40	10.394	1029	1034	1036	rBV	1777065	4247348	16.01%	0.791%
41	10.453	1036	1040	1042	rBV	1366275	2936644	11.07%	0.547%
42	10.531	1043	1048	1056	rVB3	4340802	16571874	62.47%	3.085%
43	10.669	1056	1062	1070	rVB	4768449	16643166	62.74%	3.098%
44	10.807	1070	1076	1079	rBV2	1161298	3278275	12.36%	0.610%
45	10.876	1079	1083	1090	rVB2	2906751	8968707	33.81%	1.670%
46	11.043	1090	1100	1102	rBV2	5779831	23342079	88.00%	4.345%
47	11.151	1105	1111	1116	rVB2	6885430	26526064	100.00%	4.938%
48	11.230	1116	1119	1124	rVB2	1391814	3220043	12.14%	0.599%
49	11.318	1124	1128	1130	rBV2	434342	982953	3.71%	0.183%
50	11.427	1130	1139	1142	rBV3	5125009	22704110	85.59%	4.226%
51	11.486	1142	1145	1149	rVB	2537856	5452313	20.55%	1.015%
52	11.633	1149	1160	1163	rBV4	4528481	19995408	75.38%	3.722%
53	11.702	1163	1167	1174	rBV5	3478142	14373067	54.18%	2.676%
54	11.791	1174	1176	1180	rVB2	2338080	5116605	19.29%	0.952%
55	11.869	1180	1184	1190	rBV3	2347826	10999804	41.47%	2.048%
56	12.007	1190	1198	1202	rVB4	3475504	16589759	62.54%	3.088%
57	12.105	1202	1208	1213	rBV6	3736823	16139091	60.84%	3.004%
58	12.174	1213	1215	1218	rVB	2428367	3904463	14.72%	0.727%
59	12.263	1218	1224	1226	rBV2	3616220	11945083	45.03%	2.224%
60	12.420	1235	1240	1244	rVB2	4830861	16695204	62.94%	3.108%
61	12.489	1244	1247	1250	rBV	2240485	5331629	20.10%	0.992%
62	12.597	1256	1258	1259	rBV2	1308127	2033142	7.66%	0.378%
63	12.646	1259	1263	1264	rVV	2725354	5394836	20.34%	1.004%
64	12.764	1272	1275	1278	rBV2	2823177	7171600	27.04%	1.335%
65	12.814	1278	1280	1282	rVV2	2709012	4580686	17.27%	0.853%
66	12.863	1282	1285	1292	rVV5	2819984	9574354	36.09%	1.782%
67	12.961	1292	1295	1296	rVV	2038549	4201984	15.84%	0.782%
68	13.020	1299	1301	1304	rVB	1386688	2374290	8.95%	0.442%
69	13.227	1317	1322	1329	rBV4	2404434	8609884	32.46%	1.603%
70	13.335	1329	1333	1335	rBV2	4343952	7943273	29.95%	1.479%
71	13.551	1353	1355	1360	rVB4	2893747	6645648	25.05%	1.237%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Title : SW846 8260

72	13.640	1360	1364	1366	rVV3	1512457	3083658	11.63%	0.574%
73	13.699	1366	1370	1372	rVV3	2296023	5671208	21.38%	1.056%
74	13.738	1372	1374	1377	rVV2	2125910	5030031	18.96%	0.936%
75	13.788	1377	1379	1382	rVB2	2354005	3527954	13.30%	0.657%
76	13.837	1382	1384	1386	rBV2	2423581	3365379	12.69%	0.626%
77	13.876	1386	1388	1391	rVB3	1264714	1962990	7.40%	0.365%
78	13.935	1391	1394	1395	rBV2	994084	1389087	5.24%	0.259%
79	13.974	1395	1398	1401	rVB2	1368453	1876394	7.07%	0.349%
80	14.034	1403	1404	1405	rVB	541392	319421	1.20%	0.059%
81	14.073	1405	1408	1413	rVB3	3418547	6911162	26.05%	1.286%
82	14.142	1413	1415	1418	rVB3	595114	1031479	3.89%	0.192%
83	14.201	1418	1421	1425	rVB4	845045	1662535	6.27%	0.309%
84	14.289	1425	1430	1433	rBV4	288057	1031767	3.89%	0.192%
85	14.329	1433	1434	1436	rVB	469772	379589	1.43%	0.071%
86	14.388	1436	1440	1443	rVB3	322456	703827	2.65%	0.131%
87	14.437	1443	1445	1450	rVB6	209367	367010	1.38%	0.068%
88	14.516	1450	1453	1455	rBV	556643	747827	2.82%	0.139%
89	14.545	1455	1456	1459	rVB3	278957	343394	1.29%	0.064%
90	14.624	1459	1464	1469	rVB6	194126	572931	2.16%	0.107%
91	14.722	1472	1474	1476	rBV	356064	360460	1.36%	0.067%
92	15.253	1525	1528	1534	rVV	216676	281104	1.06%	0.052%

Sum of corrected areas: 537209133

LSC Report - Integrated Chromatogram

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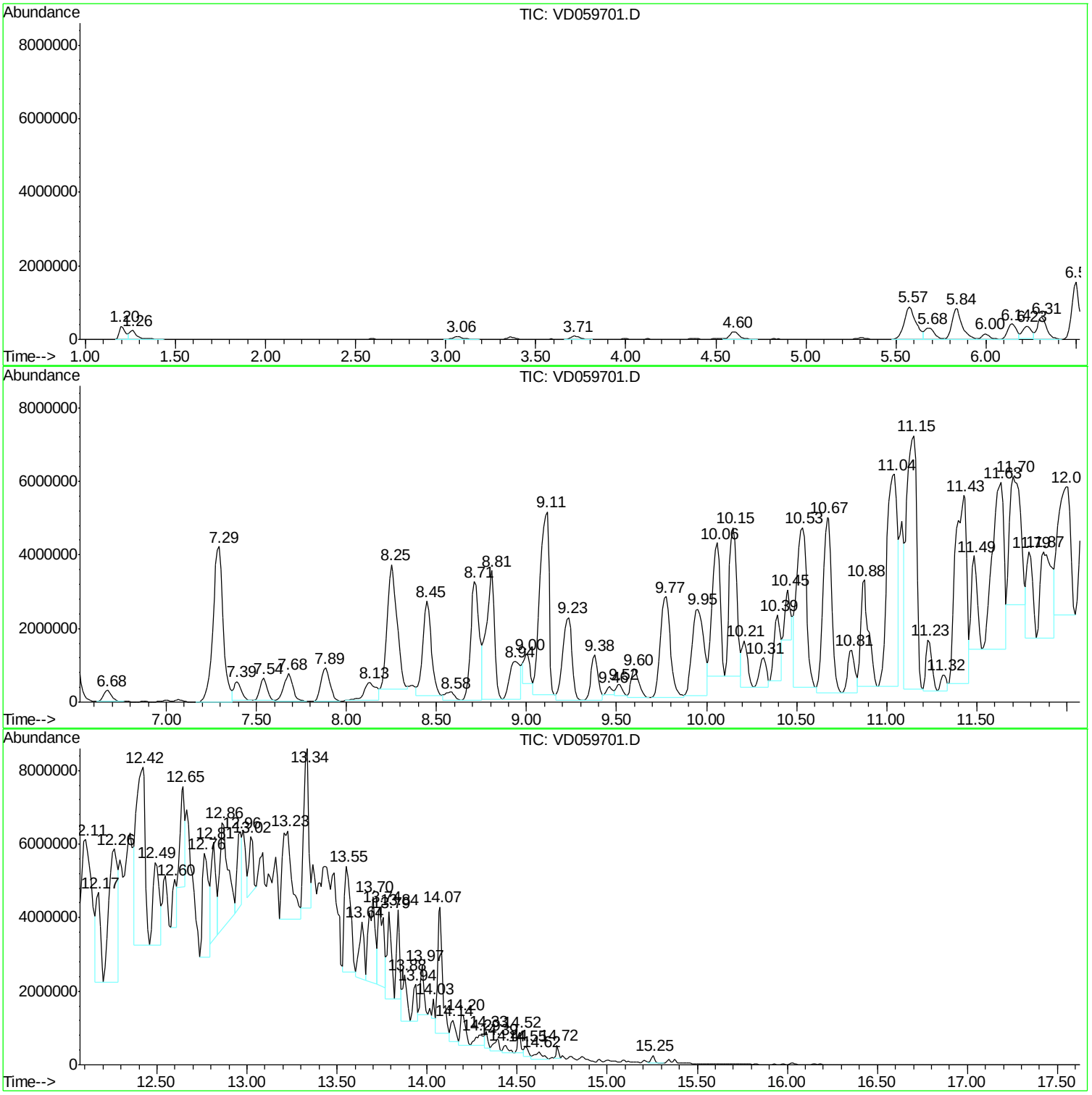
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.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 D\DATA\VD080718\
Data File : VD059701.D
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Quant Title : SW846 8260

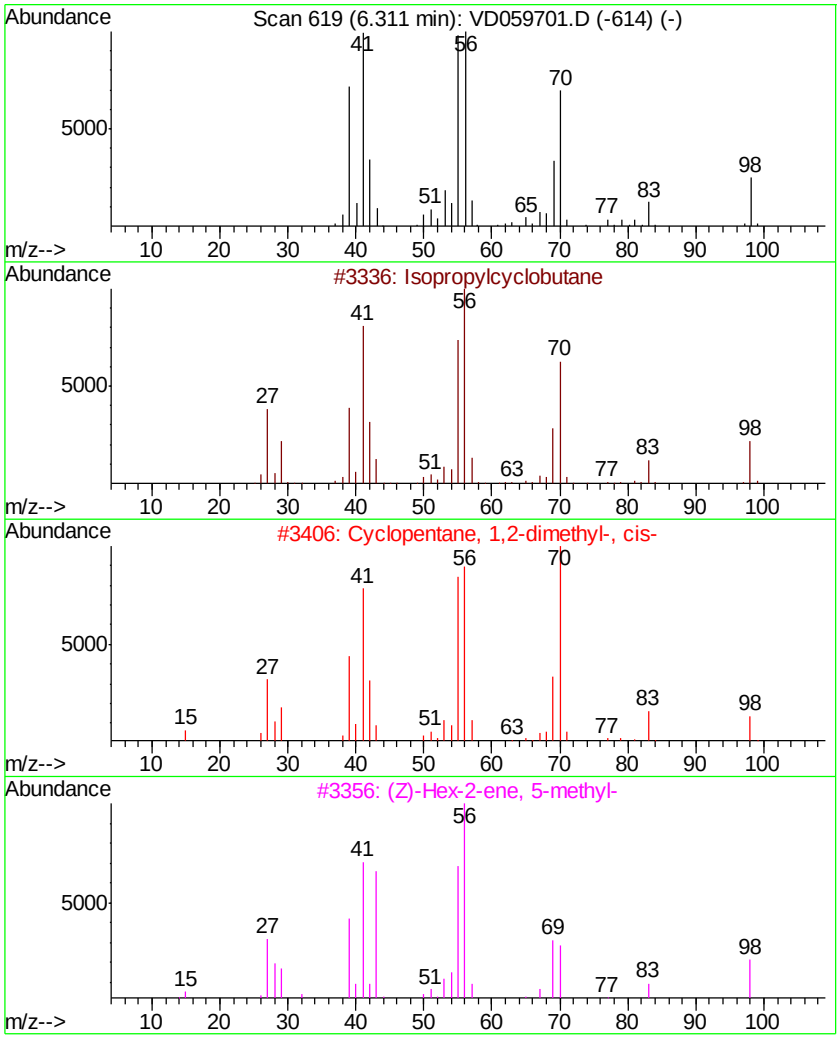
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

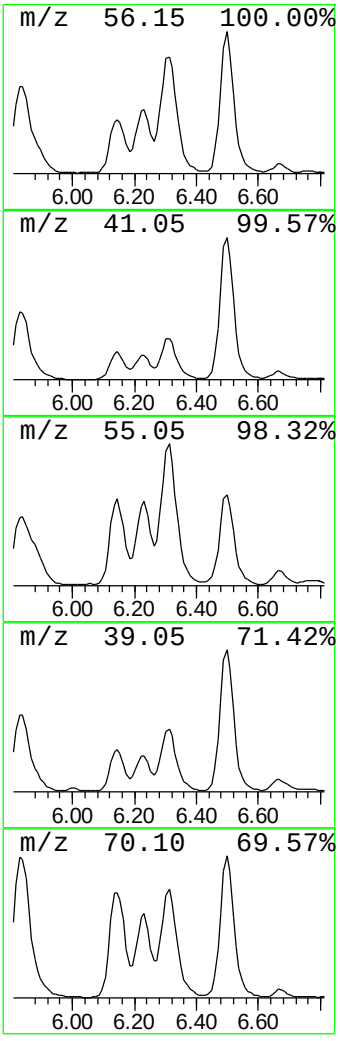
****

Peak Number 1 Isopropylcyclobutane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	111.14 ug/l	2113880	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	95
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
3	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	80
4	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	74
5	(Z)-2-Heptene	98	C7H14	006443-92-1	68





Library Search Compound Report

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Data File : VD059701.D
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Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

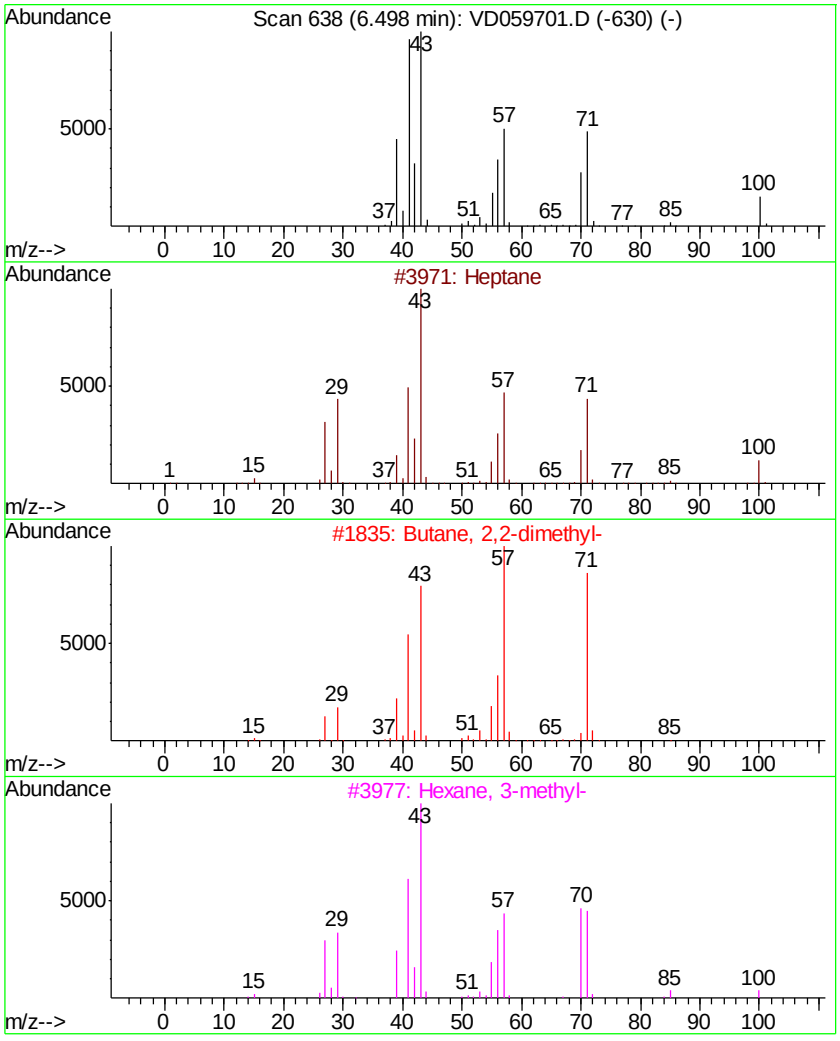
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

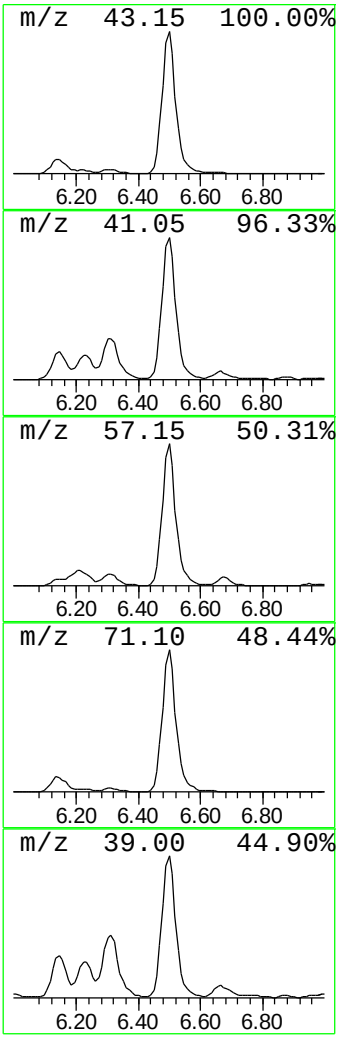
****

Peak Number 2 Heptane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	256.43 ug/l	4877090	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	62
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	37
4	Oxirane, propyl-	86	C5H10O	001003-14-1	32
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	27





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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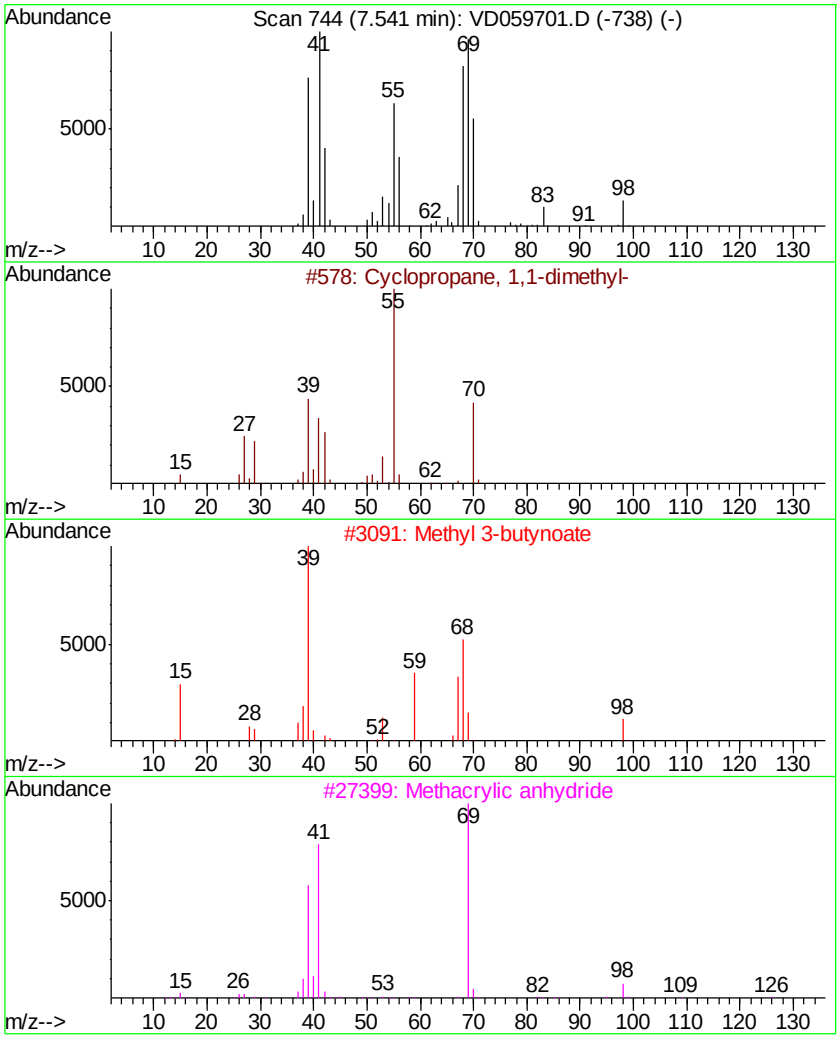
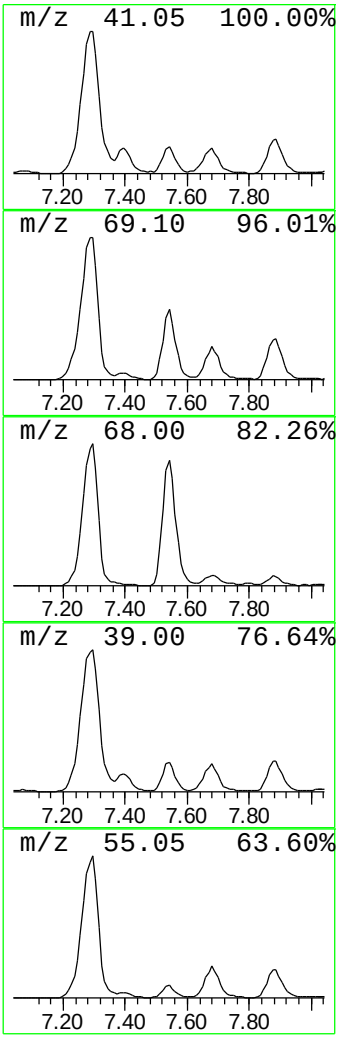
Peak Number 3 Cyclopropane, 1,1-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	86.71 ug/l	1649130	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	50
2	Methyl 3-butynoate	98	C5H6O2	032804-66-3	47
3	Methacrylic anhydride	154	C8H10O3	000760-93-0	40
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	14





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Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

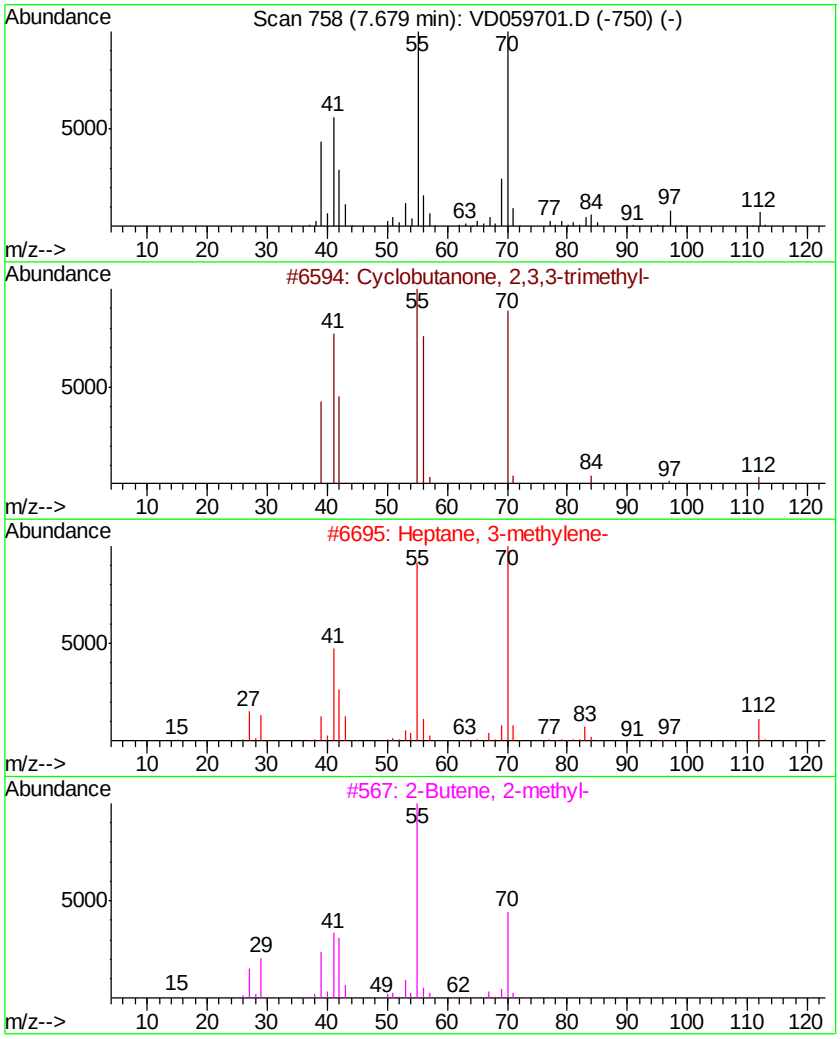
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

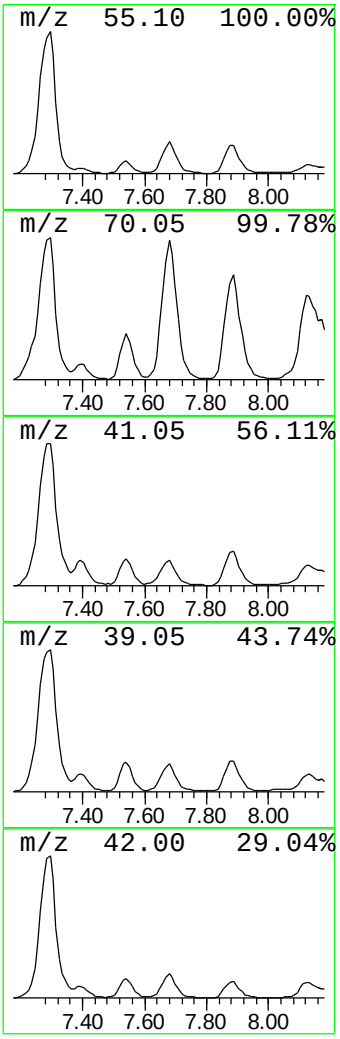
****

Peak Number 4 Cyclobutanone, 2,3,3-trimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	133.51 ug/l	2539270	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	64
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	59
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	58
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	58
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	53





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Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

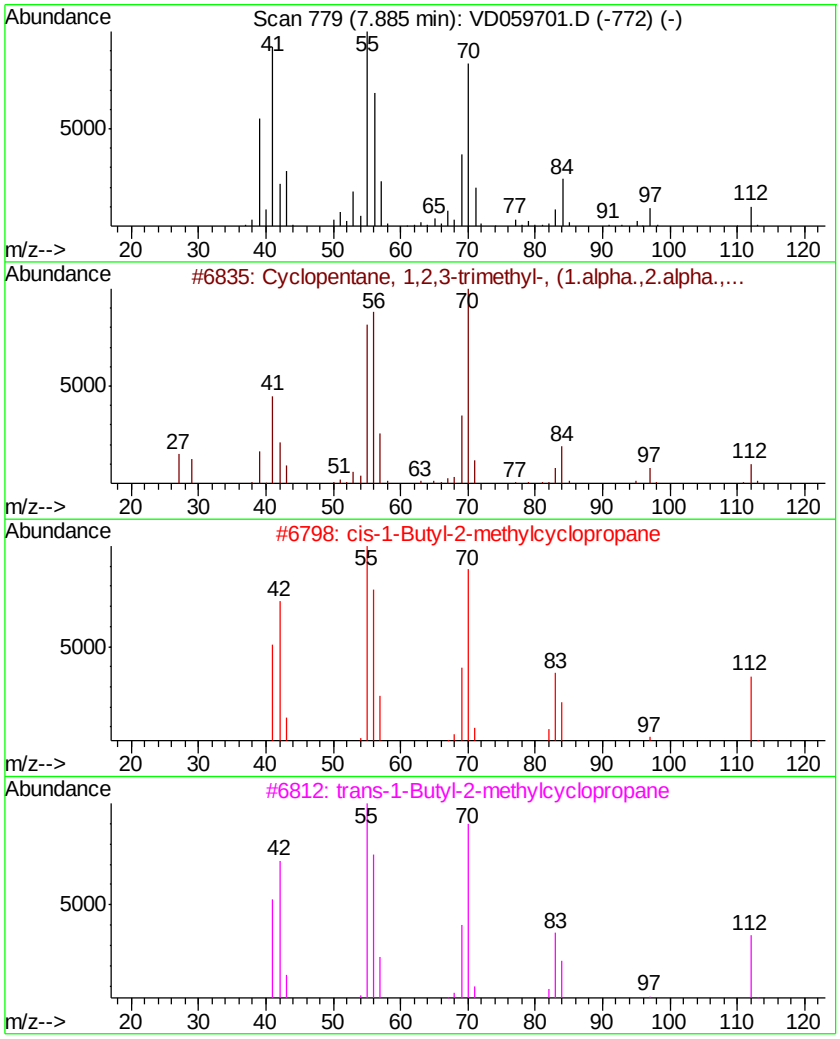
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

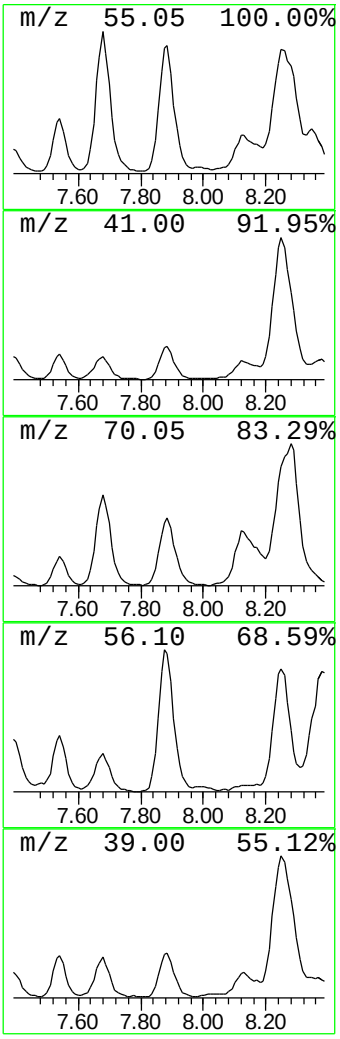
****

Peak Number 5 Cyclopentane, 1,2,3-trimeth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	162.03 ug/l	3081690	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	64
2	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	59
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	59
4	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	59
5	2-Octene, (E)-	112	C8H16	013389-42-9	58





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Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

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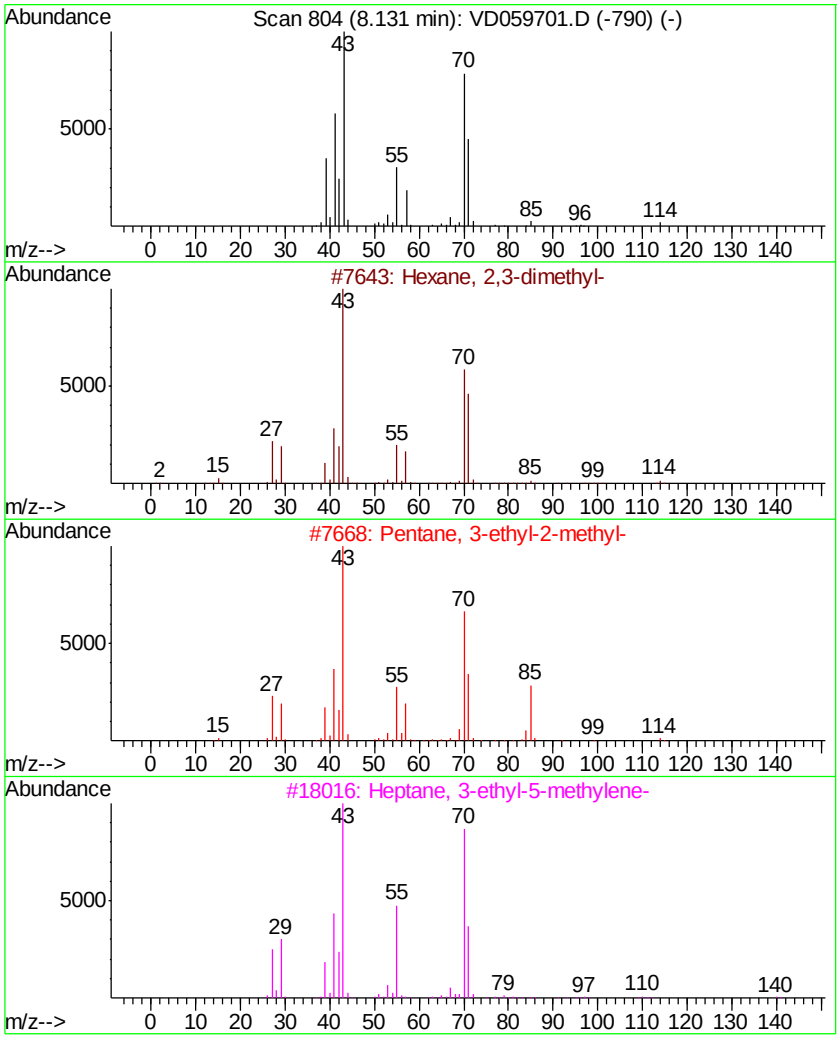
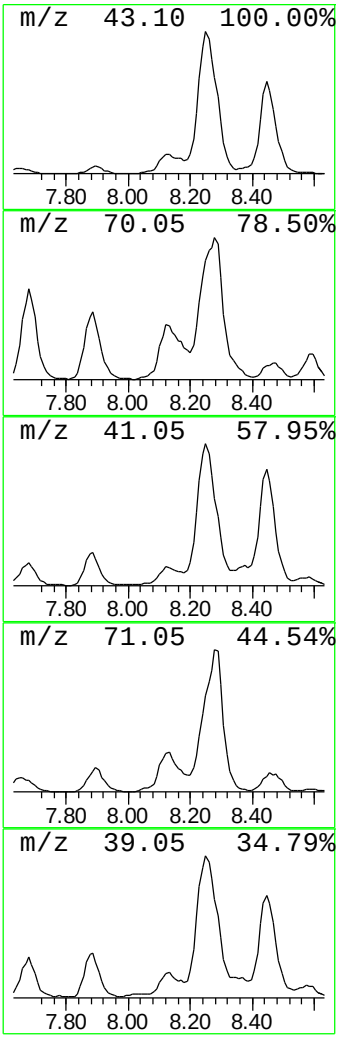
Peak Number 6 Hexane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	127.91 ug/l	2432810	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	86
3	Heptane, 3-ethyl-5-methylene-	140	C10H20	1000160-41-7	78
4	Pyrrolidine	71	C4H9N	000123-75-1	64
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059701.D
Acq On : 7 Aug 2018 13:26
Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

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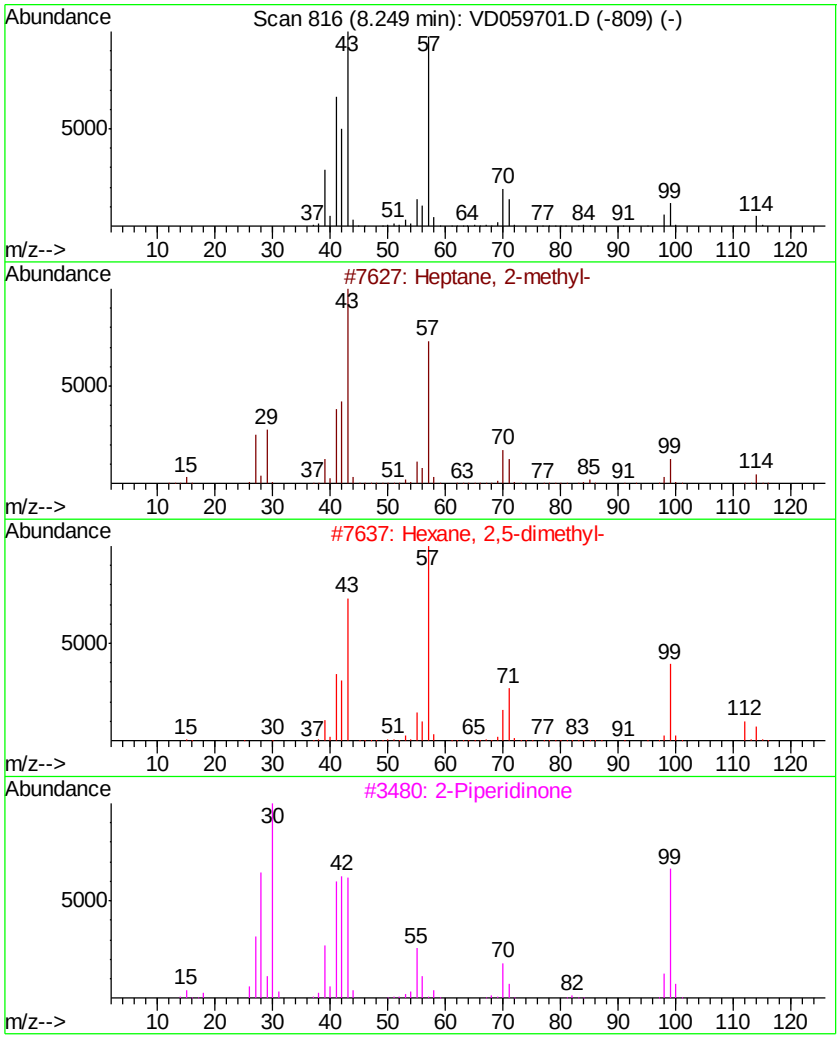
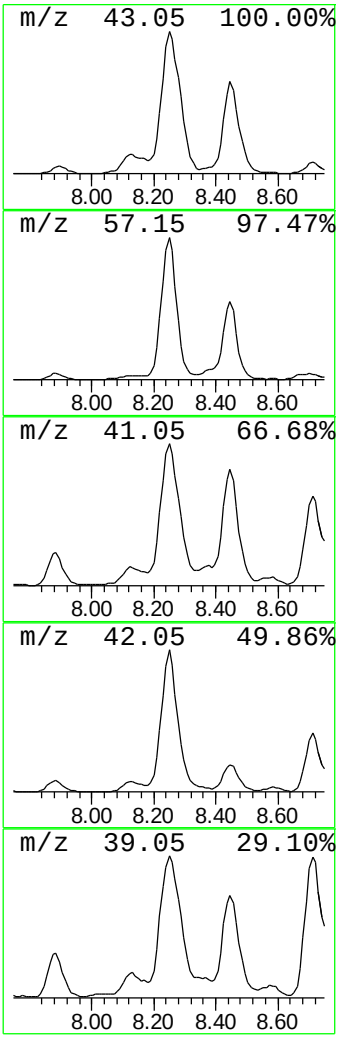
Peak Number 7 Heptane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	685.31 ug/l	13034100	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3	2-Piperidinone	99	C5H9NO	000675-20-7	45
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
5	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	35





Library Search Compound Report

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Data File : VD059701.D
Acq On : 7 Aug 2018 13:26
Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

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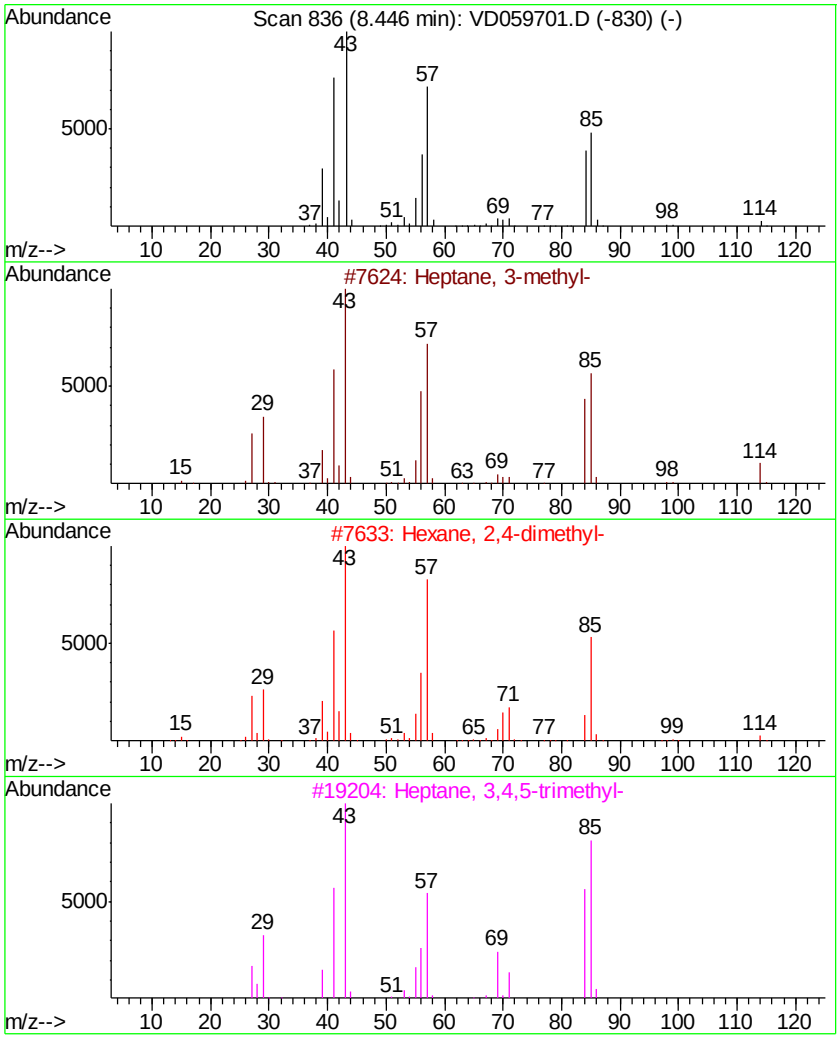
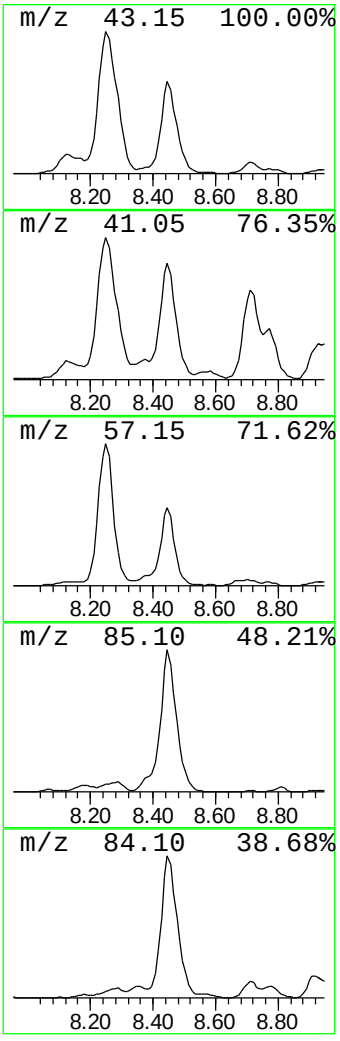
Peak Number 8 Heptane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	445.19 ug/l	8467120	1,4-Difluorobenzene	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059701.D
Acq On : 7 Aug 2018 13:26
Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

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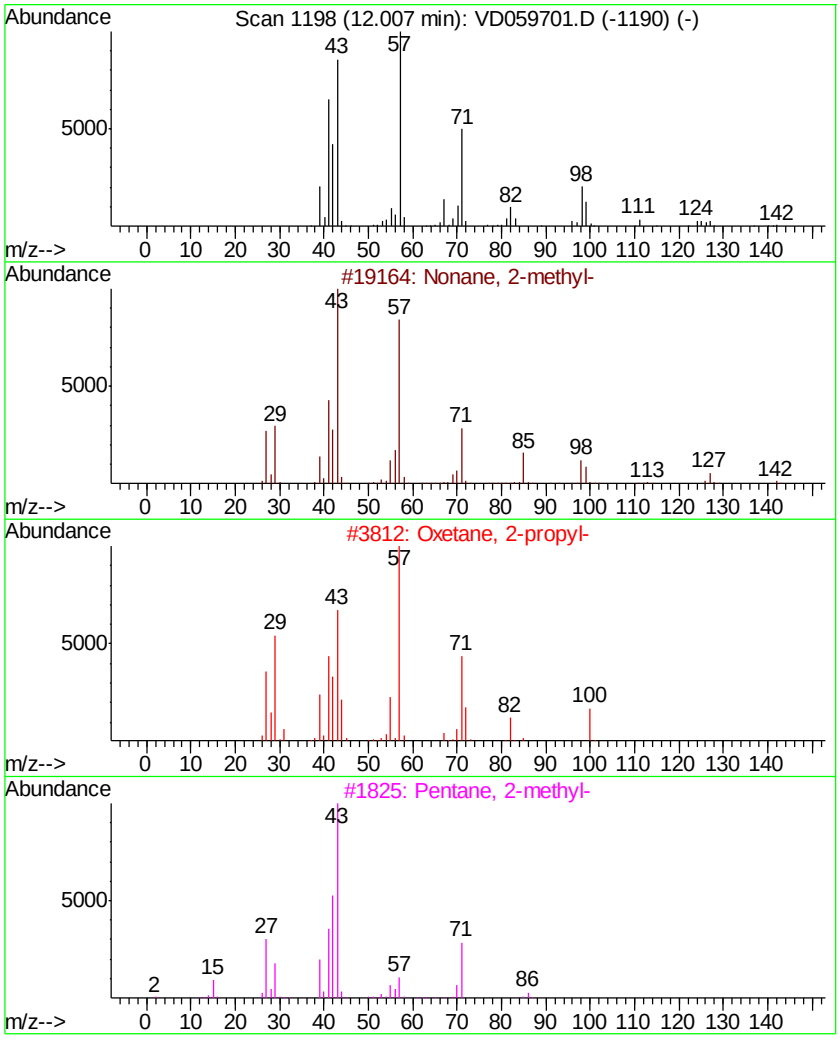
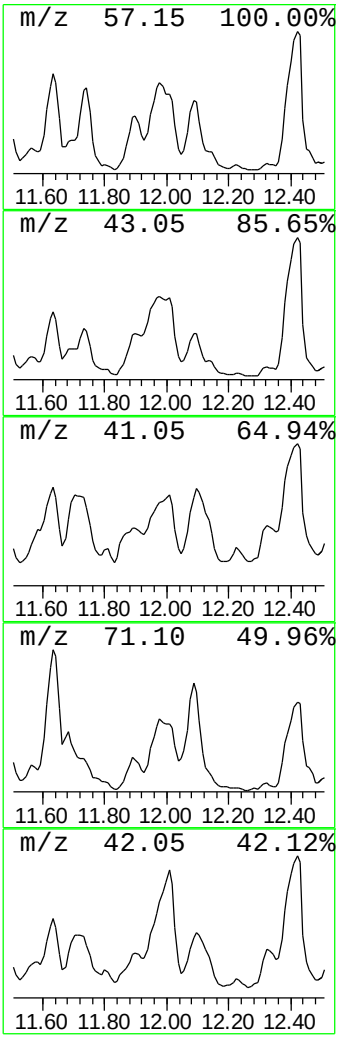
Peak Number 9 unknown12.01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	86.64 ug/l	16589800	1,4-Dichlorobenzene-d4	12.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	45
2	Oxetane, 2-propyl-	100	C6H12O	004468-64-8	45
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	40
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	40
5	Pentadecane	212	C15H32	000629-62-9	37





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Data File : VD059701.D
Acq On : 7 Aug 2018 13:26
Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

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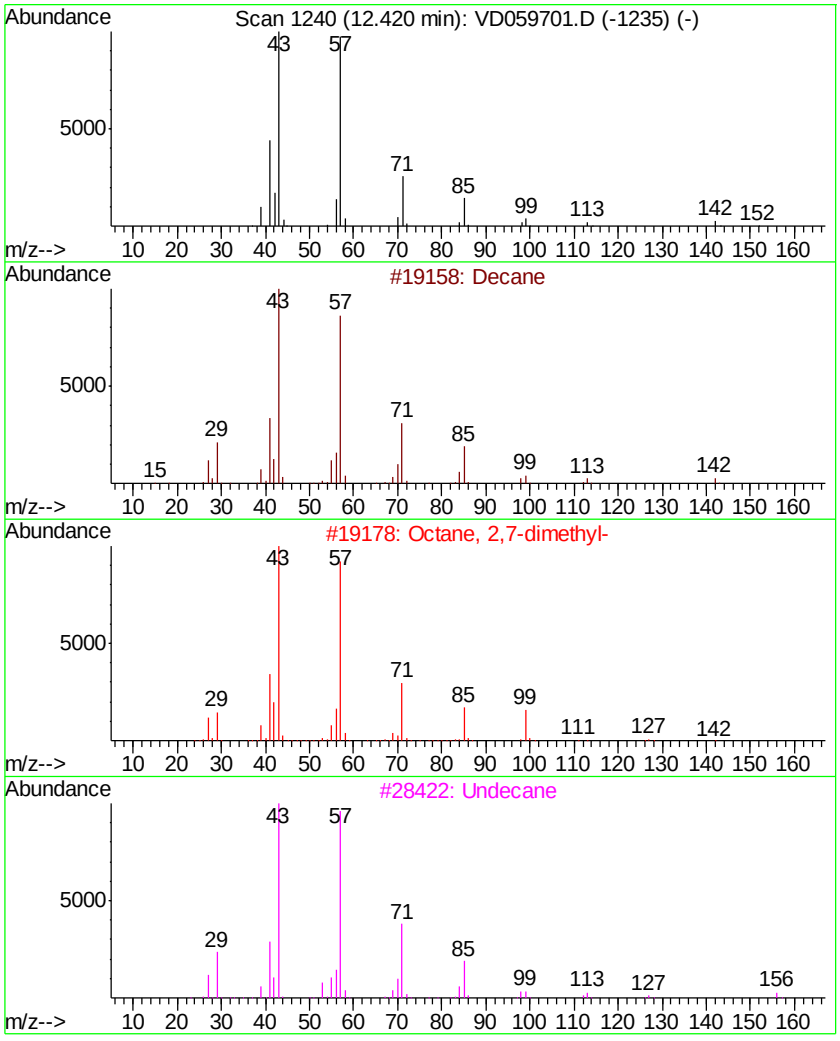
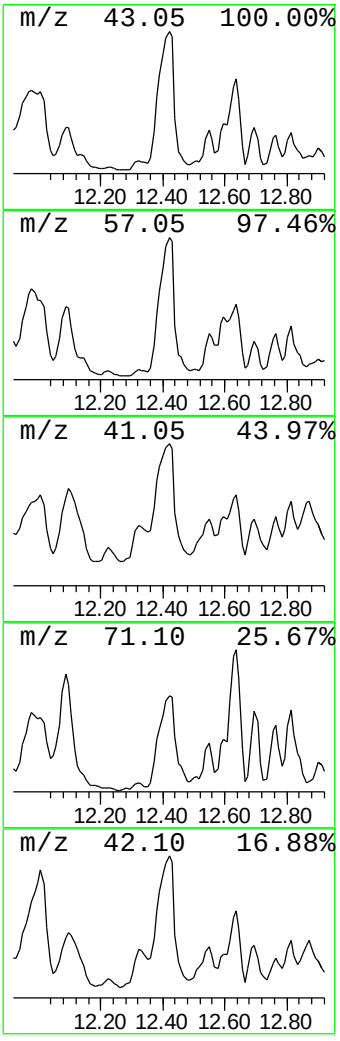
Peak Number 10 Decane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	87.19 ug/l	16695200	1,4-Dichlorobenzene-d4	12.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	78
3	Undecane	156	C11H24	001120-21-4	78
4	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	59
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080718\
Data File : VD059701.D
Acq On : 7 Aug 2018 13:26
Operator : VA/AP
Sample : J4297-05
Misc : 5.70g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.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
Isopropylcyclobutane	6.31	111.1	ug/l	2113880	2	6.68	950964	50.0
Heptane	6.50	256.4	ug/l	4877090	2	6.68	950964	50.0
Cyclopropane, 1,1...	7.54	86.7	ug/l	1649130	2	6.68	950964	50.0
Cyclobutanone, 2,...	7.68	133.5	ug/l	2539270	2	6.68	950964	50.0
Cyclopentane, 1,2...	7.89	162.0	ug/l	3081690	2	6.68	950964	50.0
Hexane, 2,3-dimet...	8.13	127.9	ug/l	2432810	2	6.68	950964	50.0
Heptane, 2-methyl-	8.25	685.3	ug/l	13034100	2	6.68	950964	50.0
Heptane, 3-methyl-	8.45	445.2	ug/l	8467120	2	6.68	950964	50.0
unknown12.01	12.01	86.6	ug/l	16589800	4	12.89	9574350	50.0
Decane	12.42	87.2	ug/l	16695200	4	12.89	9574350	50.0