LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

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\82D100120S.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	3.032	182	189	200	rVB4	20819	47509	1.70%	0.188%
2	3.403	244	252	264	rVB3	36764	86194	3.09%	0.341%
3	5.009	503	525	540	rBV3	85055	343702	12.33%	1.359%
4	5.491	593	607	619	rBV2	64702	209346	7.51%	0.828%
5	5.997	682	693	707	rBV2	104690	317311	11.38%	1.255%
6	7.026	857	868	880	rVB2	88475	267915	9.61%	1.059%
7	7.920	1008	1020	1024	rBV	294657	722068	25.90%	2.855%
8	7.979	1024	1030	1039	rVV	650292	1639918	58.83%	6.485%
9	8.061	1039	1044	1057	rVV3	50516	139291	5.00%	0.551%
10	8.191	1057	1066	1072	rVV	167635	401915	14.42%	1.589%
11	8.250	1073	1076	1082	rVV3	37944	71829	2.58%	0.284%
12	8.332	1082	1090	1101	rVV	246226	534666	19.18%	2.114%
13	8.461	1103	1112	1119	rVV4	119360	293936	10.55%	1.162%
14	8.532	1119	1124	1130	rVV2	105399	238866	8.57%	0.945%
15	8.603	1130	1136	1146	rVB3	169604	391259	14.04%	1.547%
16	8.720	1146	1156	1170	rBV3	199280	425369	15.26%	1.682%
17	8.867	1170	1181	1194	rBV	760576	1570912	56.36%	6.212%
18	9.355	1248	1264	1271	rBV2	570198	1427064	51.20%	5.643%
19	9.538	1285	1295	1301	rBV2	84933	169098	6.07%	0.669%
20	9.632	1302	1311	1318	rVB	94894	201587	7.23%	0.797%
21	9.773	1328	1335	1343	rVB2	119853	238222	8.55%	0.942%
22	9.920	1355	1360	1364	rVV3	29871	47331	1.70%	0.187%
23	9.979	1364	1370	1383	rVB2	227000	538436	19.32%	2.129%
24	10.114	1383	1393	1405	rBV3	152796	384268	13.79%	1.520%
25	10.220	1405	1411	1414	rBV4	26434	49922	1.79%	0.197%
26	10.338	1423	1431	1447	rBV	1382012	2787440	100.00%	11.023%
27	10.467	1447	1453	1455	rVV2	48744	83428	2.99%	0.330%
28	10.526	1455	1463	1470	rVB5	275171	616813	22.13%	2.439%
29	10.632	1477	1481	1485	rVV6	28911	53323	1.91%	0.211%
30	10.679	1485	1489	1497	rVB3	165710	299253	10.74%	1.183%
31	10.773	1497	1505	1512	rBV4	110600	257691	9.24%	1.019%
32	10.867	1517	1521	1526	rVB4	39212	64501	2.31%	0.255%
33	10.955	1526	1536	1542	rBV	100089	179794	6.45%	0.711%
34	11.049	1542	1552	1560	rBV8	43700	159164	5.71%	0.629%

LSC Area Percent Report

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Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

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\82D100120S.M
Title : SW846 8260

35	11.126	1560	1565	1567	rBV3	60168	91366	3.28%	0.361%
36	11.161	1568	1571	1572	rVV3	51424	63398	2.27%	0.251%
37	11.197	1572	1577	1581	rVV	205118	356785	12.80%	1.411%
38	11.249	1581	1586	1591	rVV	249351	433326	15.55%	1.714%
39	11.302	1591	1595	1599	rVB6	33311	49777	1.79%	0.197%
40	11.355	1599	1604	1609	rVB4	84401	147912	5.31%	0.585%
41	11.432	1609	1617	1629	rVB6	128450	405201	14.54%	1.602%
42	11.532	1629	1634	1639	rBV	142263	229504	8.23%	0.908%
43	11.649	1647	1654	1665	rBV	1033497	1831779	65.72%	7.244%
44	11.744	1665	1670	1674	rBV3	35050	63213	2.27%	0.250%
45	11.785	1674	1677	1680	rBV3	31299	41613	1.49%	0.165%
46	11.832	1680	1685	1687	rBV5	47701	87213	3.13%	0.345%
47	11.867	1687	1691	1693	rVV2	90031	138807	4.98%	0.549%
48	11.891	1693	1695	1699	rVB2	60870	76747	2.75%	0.303%
49	11.991	1708	1712	1717	rVB6	18110	28296	1.02%	0.112%
50	12.055	1717	1723	1732	rBV8	23321	73422	2.63%	0.290%
51	12.161	1734	1741	1747	rBV2	105649	226871	8.14%	0.897%
52	12.273	1753	1760	1764	rVB2	79961	142267	5.10%	0.563%
53	12.320	1764	1768	1769	rBV3	25097	30323	1.09%	0.120%
54	12.361	1769	1775	1778	rVV2	100771	191349	6.86%	0.757%
55	12.396	1778	1781	1787	rVB5	88084	167064	5.99%	0.661%
56	12.561	1800	1809	1812	rVV10	39599	104081	3.73%	0.412%
57	12.638	1816	1822	1832	rVB	855303	1447009	51.91%	5.722%
58	12.720	1832	1836	1841	rVB4	32515	53431	1.92%	0.211%
59	12.802	1845	1850	1857	rVB4	83307	170365	6.11%	0.674%
60	12.891	1858	1865	1870	rBV4	57812	115680	4.15%	0.457%
61	12.955	1870	1876	1884	rVV6	123906	288602	10.35%	1.141%
62	13.014	1884	1886	1891	rVB5	31395	41805	1.50%	0.165%
63	13.108	1896	1902	1903	rBV5	28418	46792	1.68%	0.185%
64	13.191	1912	1916	1925	rVB6	48517	93128	3.34%	0.368%
65	13.279	1925	1931	1935	rBV2	76484	128785	4.62%	0.509%
66	13.467	1958	1963	1968	rBV3	60419	116776	4.19%	0.462%
67	13.579	1976	1982	1991	rVB	1090104	1855805	66.58%	7.339%
68	13.779	2012	2016	2019	rVB	38902	54350	1.95%	0.215%
69	13.902	2032	2037	2042	rBV5	63338	108698	3.90%	0.430%
70	13.979	2046	2050	2055	rVV	22535	43622	1.56%	0.172%
71	14.038	2057	2060	2062	rVV3	30682	41314	1.48%	0.163%

LSC Area Percent Report

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Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

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\82D100120S.M
Title : SW846 8260

72	14.067	2062	2065	2069	rVV	37175	57082	2.05%	0.226%
73	14.126	2070	2075	2079	rVB2	36467	63423	2.28%	0.251%
74	14.232	2087	2093	2099	rBV2	49975	85528	3.07%	0.338%
75	14.573	2147	2151	2158	rVB6	23280	41812	1.50%	0.165%
76	14.761	2180	2183	2188	rVB7	19362	31258	1.12%	0.124%
77	14.826	2188	2194	2202	rBV4	45277	106979	3.84%	0.423%
78	15.226	2255	2262	2272	rVB8	21303	56330	2.02%	0.223%

Sum of corrected areas: 25288229

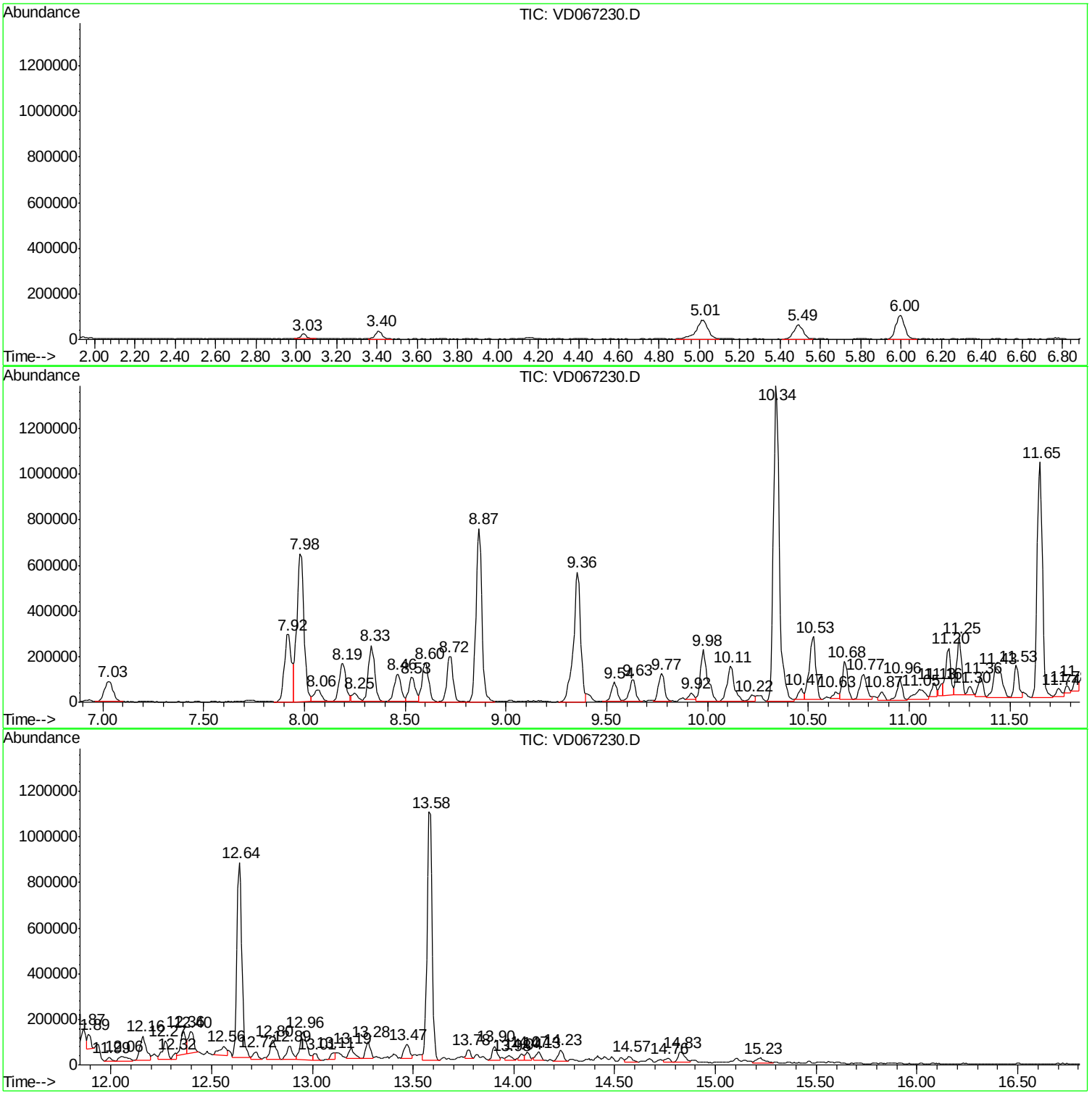
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101220\
Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.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\VD101220\
Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

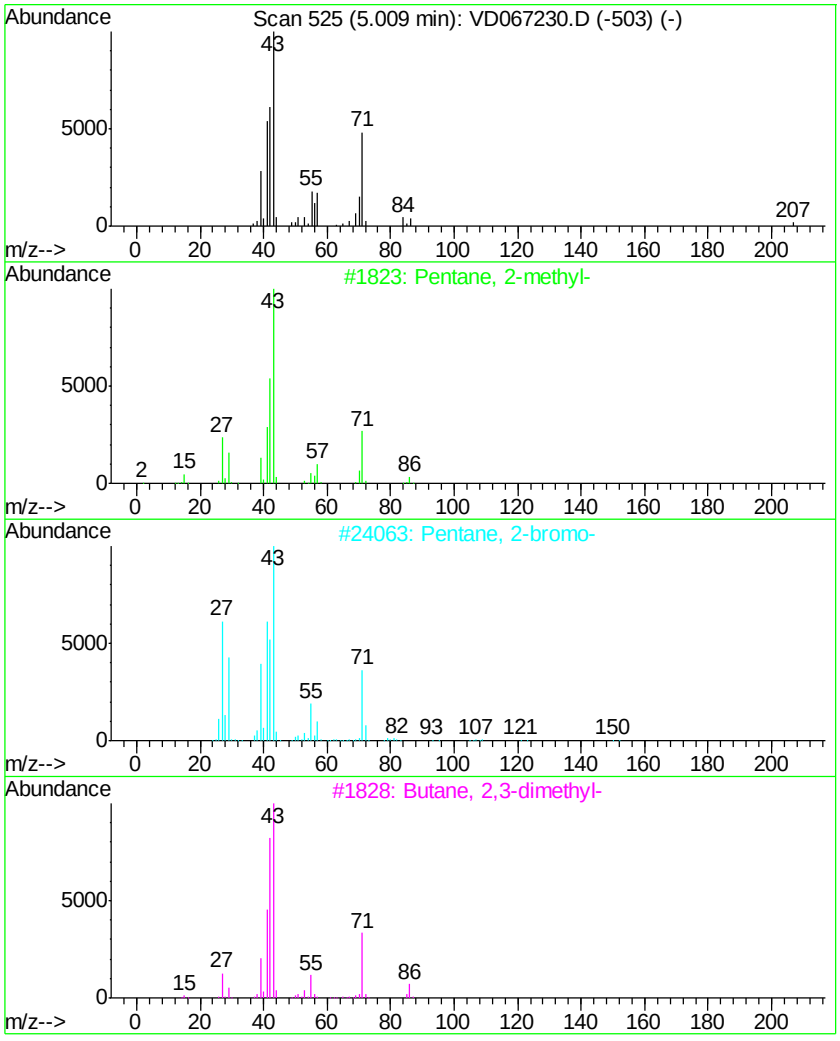
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

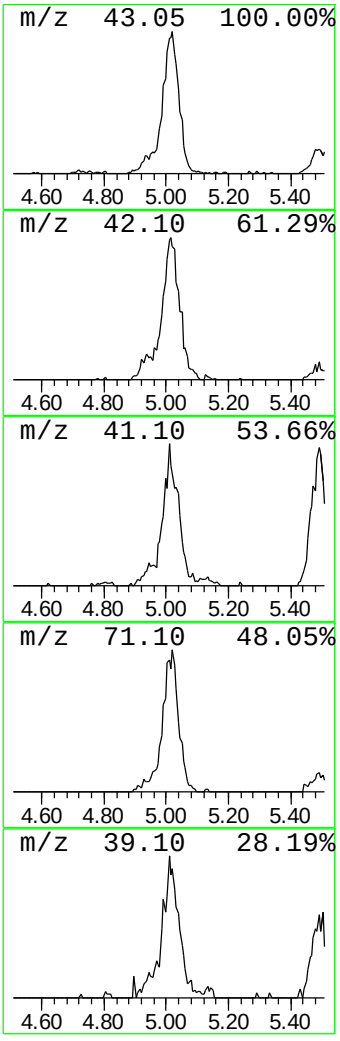
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	10.48 ug/l	343702	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
2	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	59
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	38
5	Pentane	72	C5H12	000109-66-0	38





Library Search Compound Report

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Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

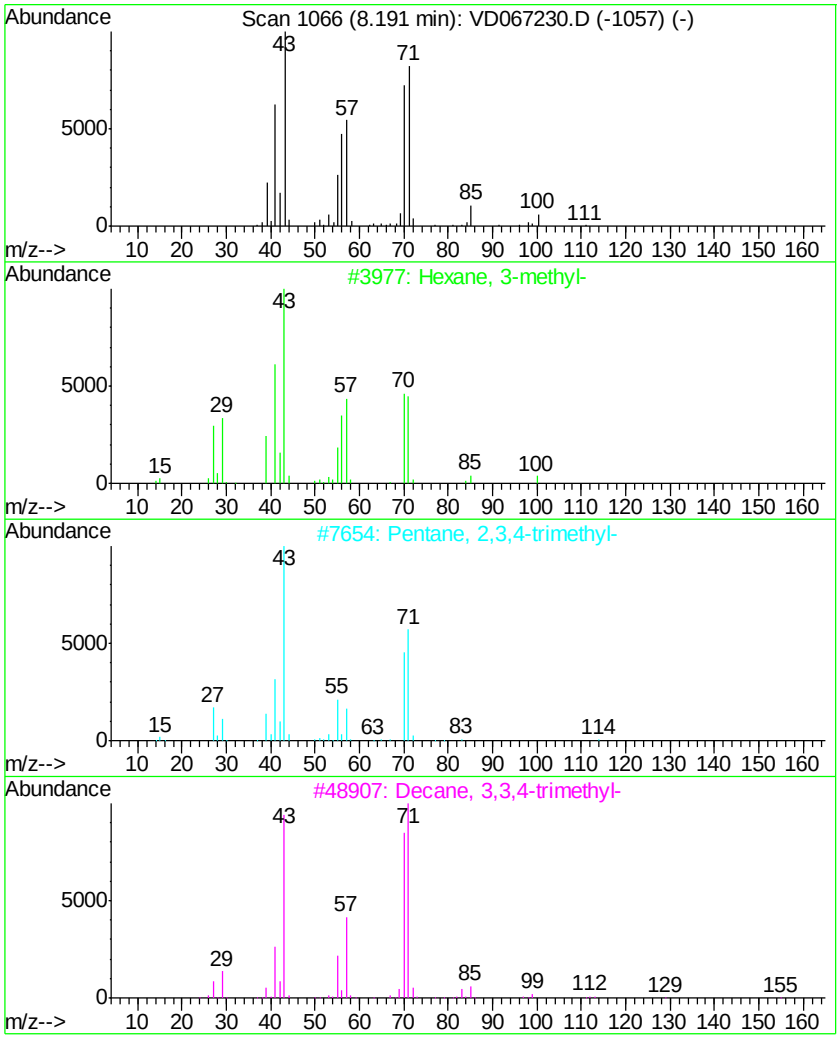
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

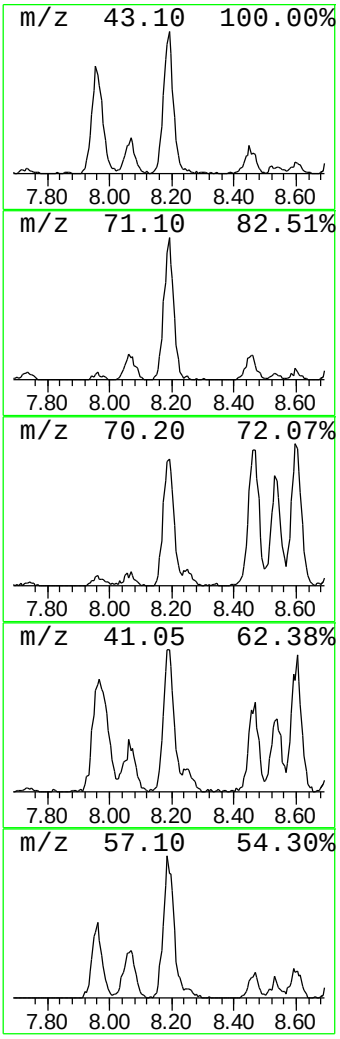
****

Peak Number 2 Hexane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	12.25 ug/l	401915	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

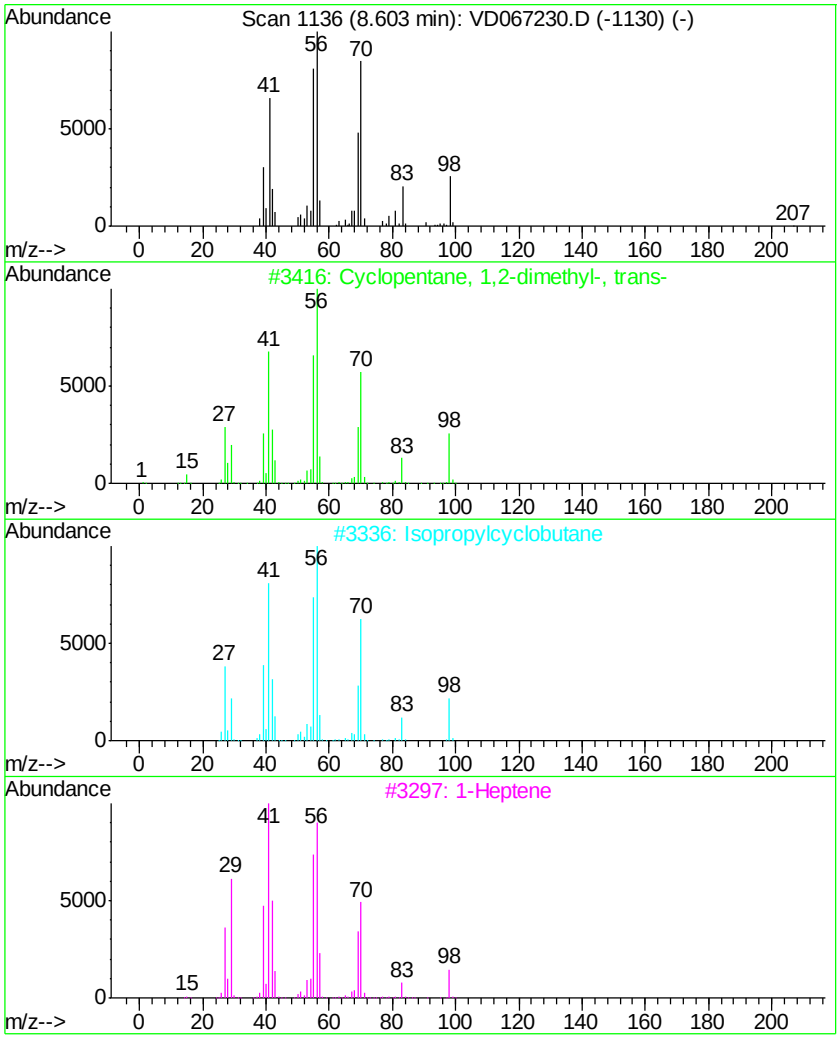
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

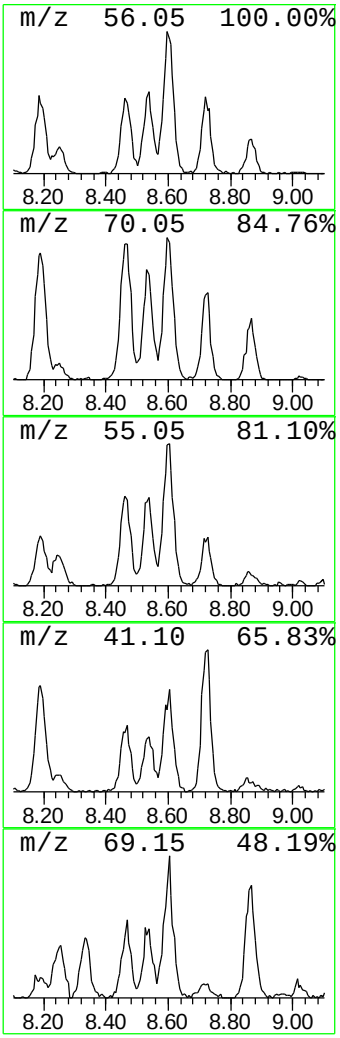
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	12.45 ug/l	391259	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2	Isopropylcyclobutane	98	C7H14	000872-56-0	91
3	1-Heptene	98	C7H14	000592-76-7	83
4	Cycloheptane	98	C7H14	000291-64-5	80
5	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	60





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Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

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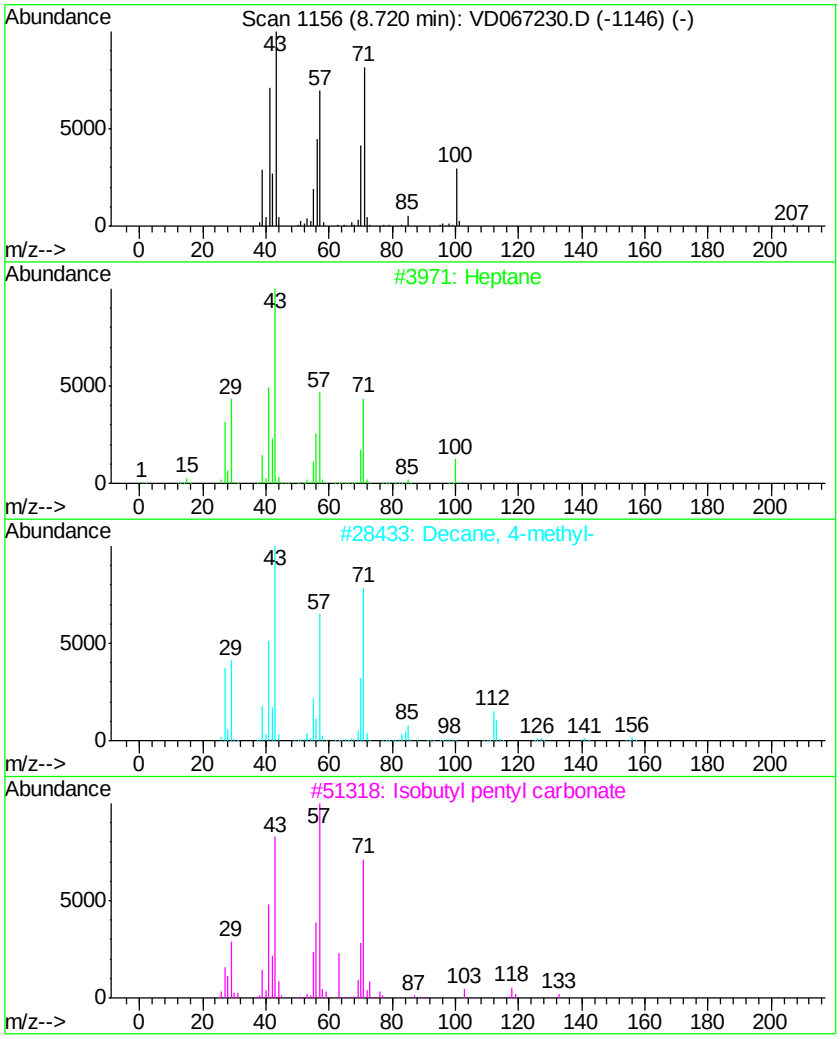
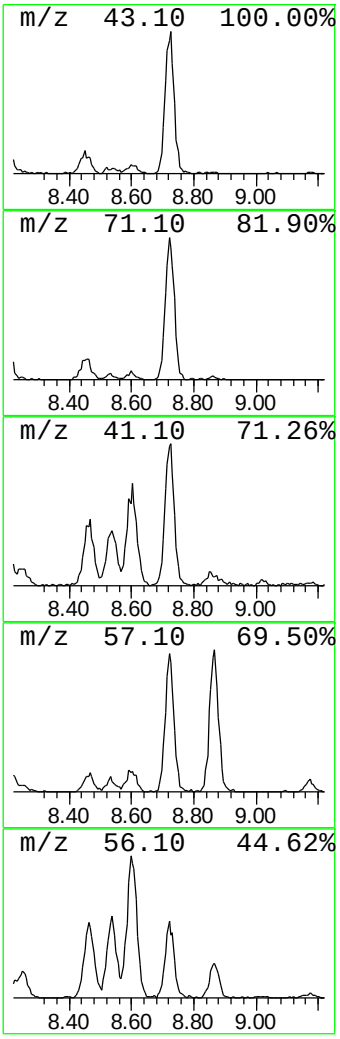
Peak Number 4 Heptane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	13.54 ug/l	425369	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Decane, 4-methyl-	156	C11H24	002847-72-5	59
3	Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	56
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Undecane, 4-methyl-	170	C12H26	002980-69-0	50





Library Search Compound Report

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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

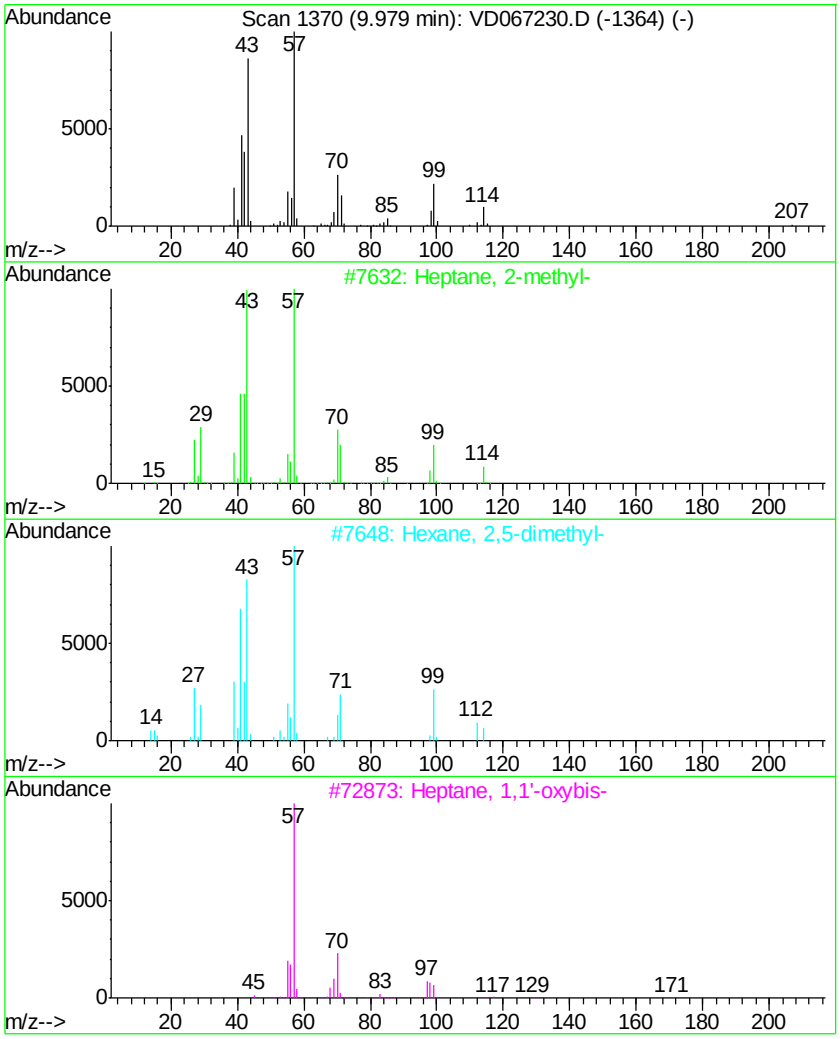
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

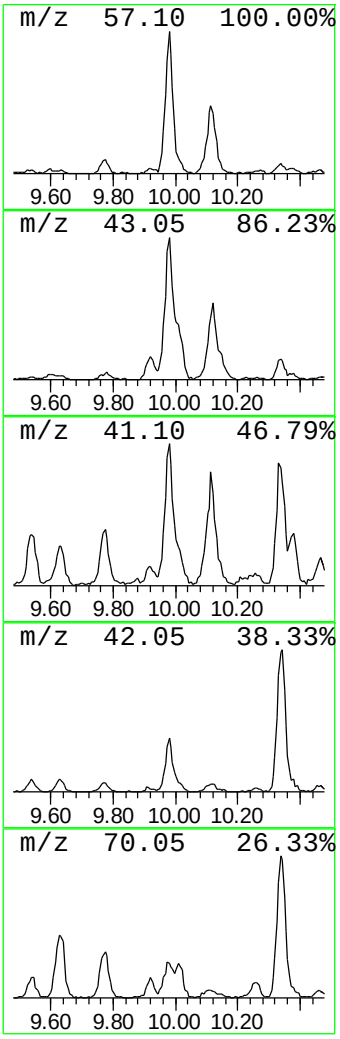
****

Peak Number 5 Heptane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	17.14 ug/l	538436	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	47
4	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43
5	Cyclohexanol, 4-methyl-, cis-	114	C7H14O	007731-28-4	38





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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

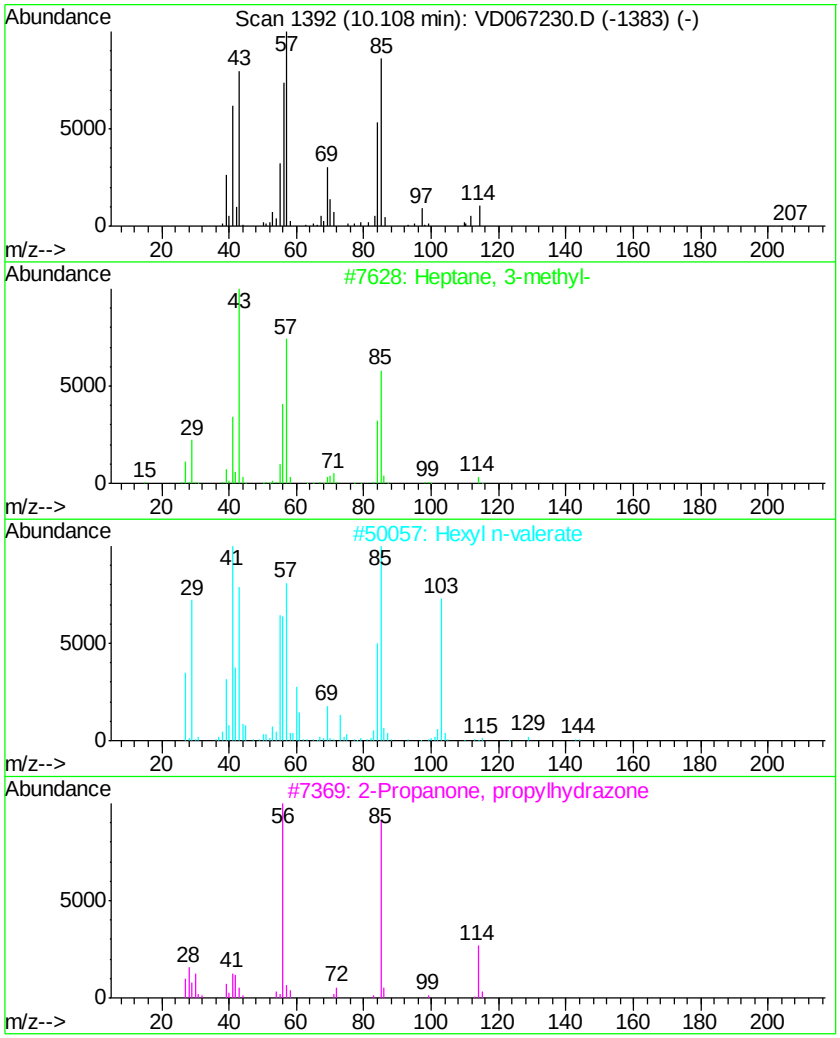
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

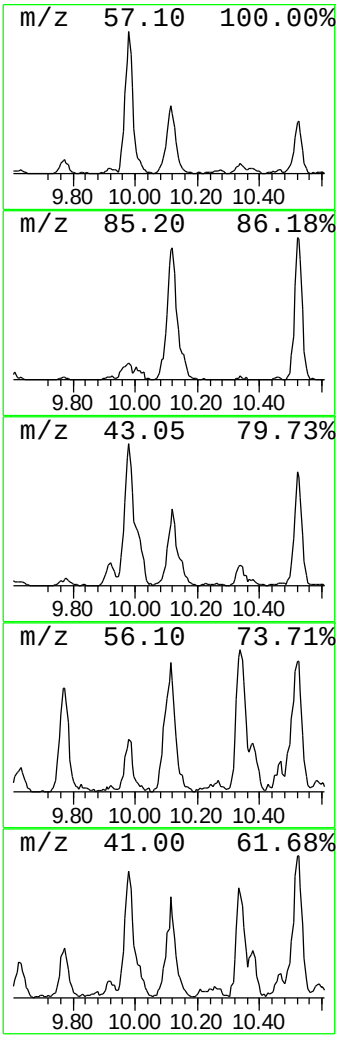
****

Peak Number 6 Heptane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	12.23 ug/l	384268	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	80
2	Hexyl n-valerate	186	C11H22O2	001117-59-5	64
3	2-Propanone, propylhydrazone	114	C6H14N2	007423-00-9	50
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

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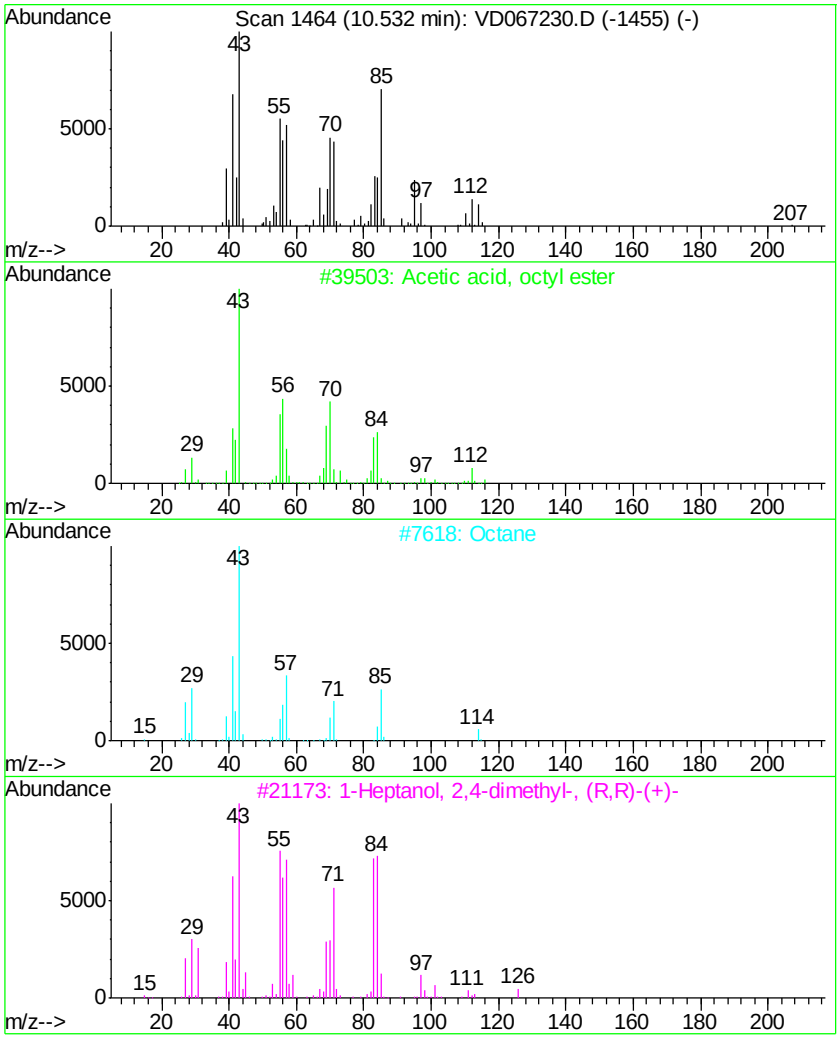
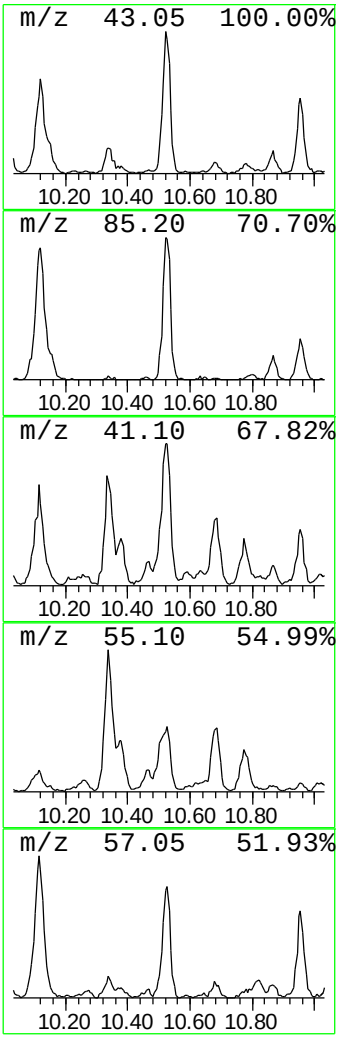
Peak Number 7 unknown10.53 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	16.84 ug/l	616813	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, octyl ester	172	C10H20O2	000112-14-1	43
2	Octane	114	C8H18	000111-65-9	43
3	1-Heptanol, 2,4-dimethyl-, (R,R)...	144	C9H20O	018450-73-2	43
4	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	43
5	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	38





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Data File : VD067230.D
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Operator : VA/SY
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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

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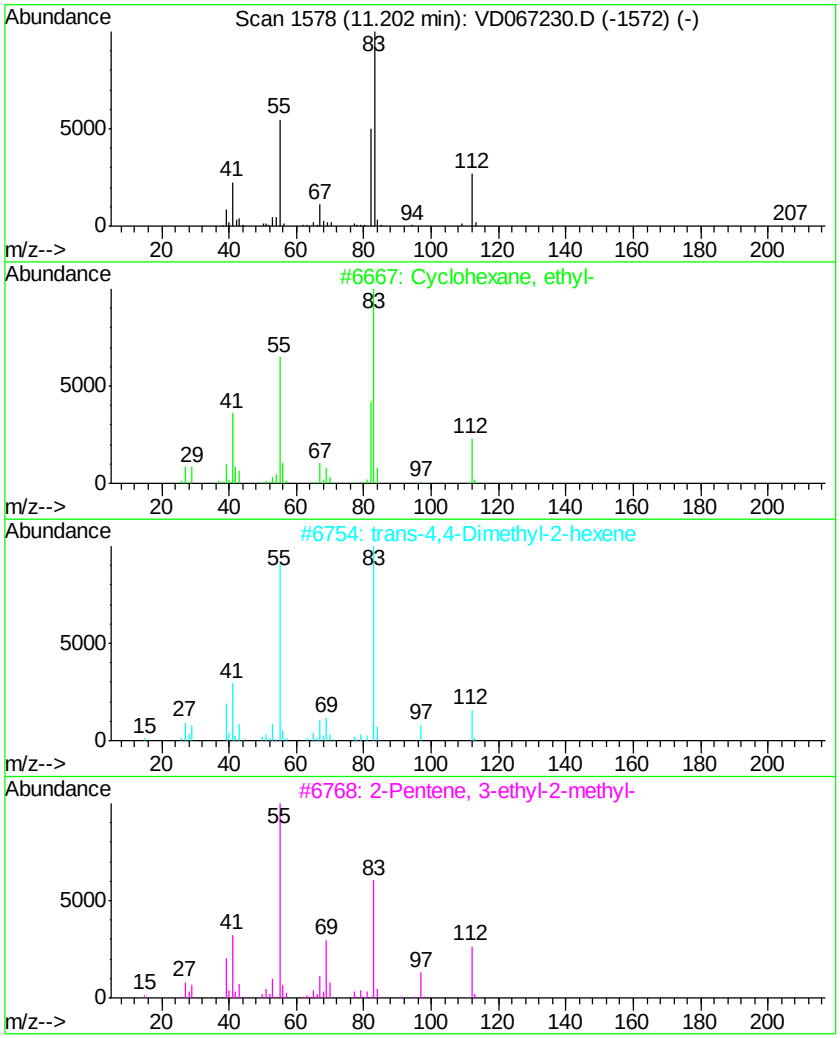
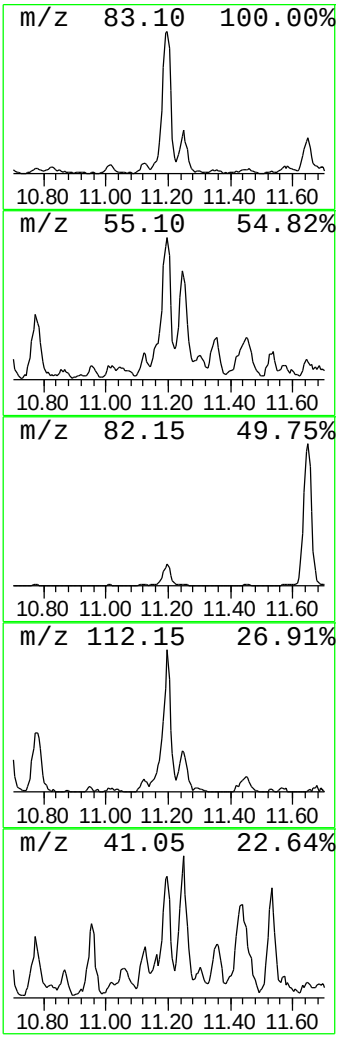
Peak Number 8 Cyclohexane, ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	9.74 ug/l	356785	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
2	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	53
3	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53
4	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	50
5	Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50





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Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

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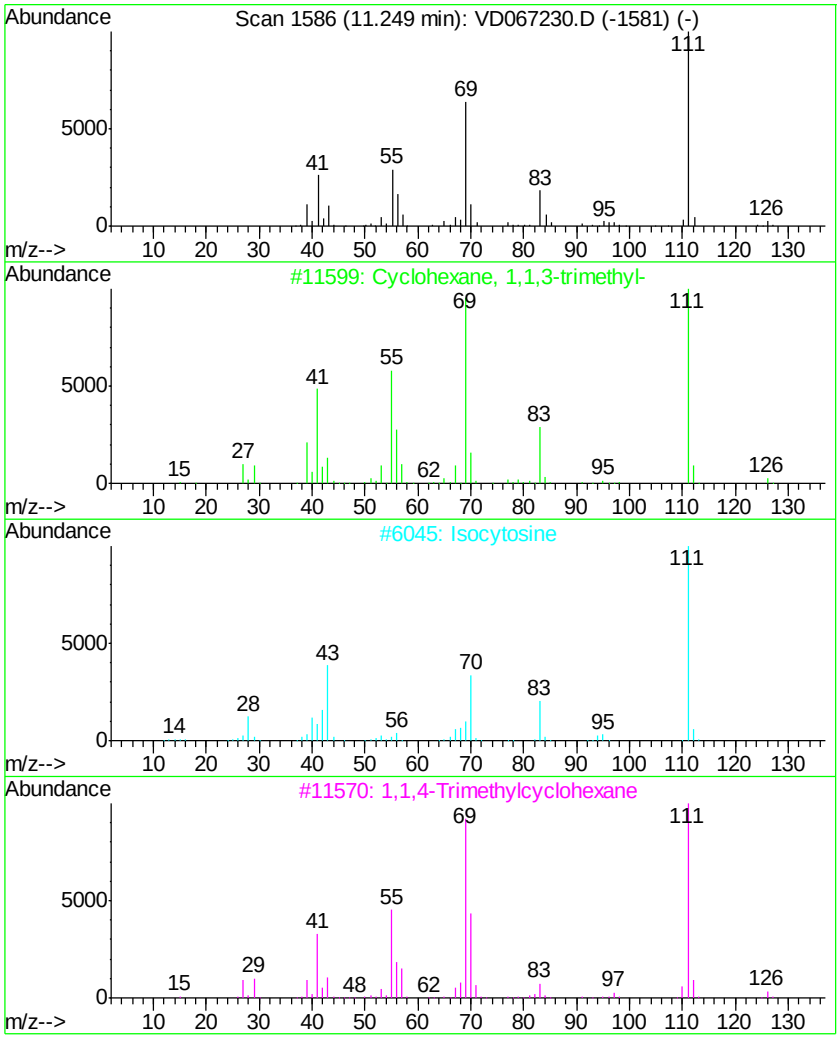
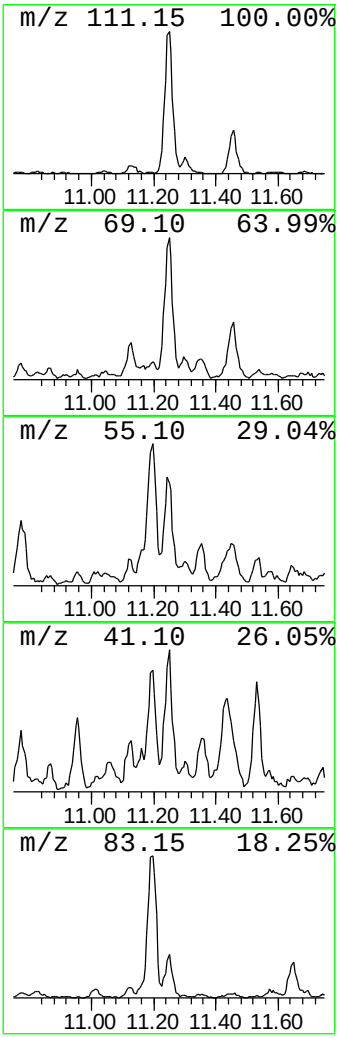
Peak Number 9 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	11.83 ug/l	433326	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
2	Isocytosine	111	C4H5N3O	000108-53-2	59
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
4	1-Aminocyclopropanecarboxylic ac...	156	C7H12N2O2	1000375-50-8	42
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	37





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Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

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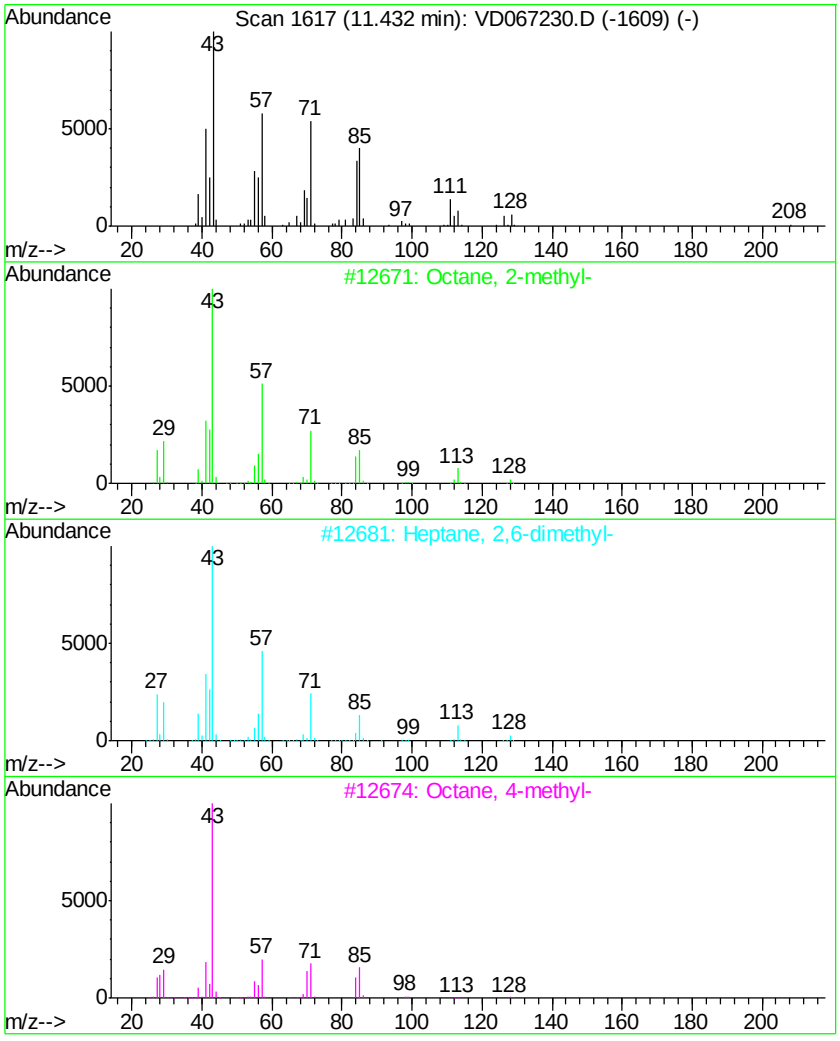
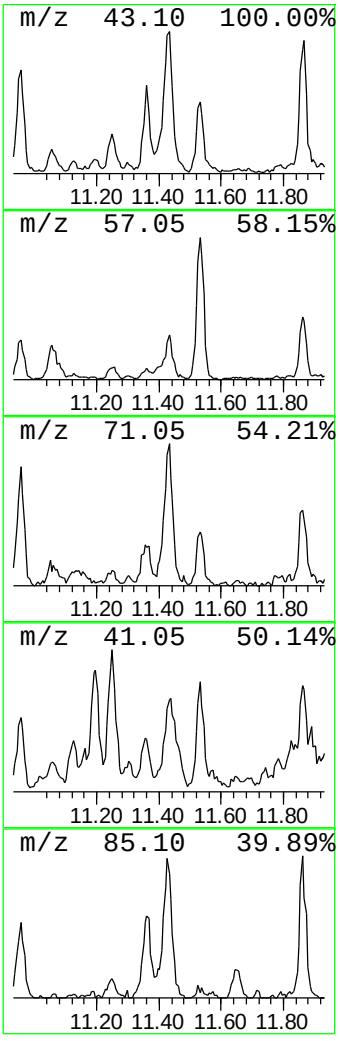
Peak Number 10 Octane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	11.06 ug/l	405201	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	59
3	Octane, 4-methyl-	128	C9H20	002216-34-4	50
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	50
5	Dodecane, 5-methyl-	184	C13H28	017453-93-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101220\
Data File : VD067230.D
Acq On : 12 Oct 2020 13:30
Operator : VA/SY
Sample : L4341-01
Misc : 7.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : STOCK-PILE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.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
Pentane, 2-methyl-	5.01	10.5	ug/l	343702	1	7.98	1639920	50.0
Hexane, 3-methyl-	8.19	12.3	ug/l	401915	1	7.98	1639920	50.0
Cyclopentane, 1,2...	8.60	12.4	ug/l	391259	2	8.87	1570910	50.0
Heptane	8.72	13.5	ug/l	425369	2	8.87	1570910	50.0
Heptane, 2-methyl-	9.98	17.1	ug/l	538436	2	8.87	1570910	50.0
Heptane, 3-methyl-	10.11	12.2	ug/l	384268	2	8.87	1570910	50.0
unknown10.53	10.53	16.8	ug/l	616813	3	11.65	1831780	50.0
Cyclohexane, ethyl-	11.20	9.7	ug/l	356785	3	11.65	1831780	50.0
Cyclohexane, 1,1,...	11.25	11.8	ug/l	433326	3	11.65	1831780	50.0
Octane, 2-methyl-	11.43	11.1	ug/l	405201	3	11.65	1831780	50.0