LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013261.D
Acq On : 24 Sep 2019 06:22
Operator : SY/VA
Sample : K5008-01
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

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\82W092019S.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	4.946	477	499	537	rVB	822196	3779558	2.75%	0.143%
2	5.927	644	660	677	rBV	1592358	4860070	3.54%	0.184%
3	6.976	822	832	853	rVB	1055585	3354202	2.44%	0.127%
4	7.921	970	987	998	rBV4	3808472	13601091	9.91%	0.514%
5	8.031	998	1005	1015	rVB2	1682537	4496019	3.28%	0.170%
6	8.153	1015	1025	1032	rBV	4919977	11531035	8.40%	0.436%
7	8.433	1061	1071	1076	rBV2	2367436	6164080	4.49%	0.233%
8	8.500	1076	1082	1088	rVV2	1969056	4950781	3.61%	0.187%
9	8.573	1088	1094	1104	rVB	2823504	6545789	4.77%	0.247%
10	8.689	1104	1113	1126	rVB	9537381	19510972	14.22%	0.737%
11	8.829	1126	1136	1143	rBV2	1482034	3640188	2.65%	0.138%
12	9.335	1203	1219	1225	rBV	19439344	49458680	36.05%	1.869%
13	9.384	1225	1227	1235	rVB	2705001	4118634	3.00%	0.156%
14	9.512	1242	1248	1254	rBV	2369742	4307409	3.14%	0.163%
15	9.610	1254	1264	1271	rVB2	3692698	8934521	6.51%	0.338%
16	9.750	1271	1287	1298	rBV2	4913264	11331676	8.26%	0.428%
17	9.896	1306	1311	1315	rBV	2853523	4758746	3.47%	0.180%
18	9.957	1315	1321	1326	rBV	15766357	32481813	23.67%	1.228%
19	10.097	1334	1344	1356	rBV	15870349	37467261	27.31%	1.416%
20	10.207	1356	1362	1365	rBV3	1318192	2784193	2.03%	0.105%
21	10.244	1365	1368	1374	rVB2	1623372	2899176	2.11%	0.110%
22	10.323	1374	1381	1385	rBV	18389676	37024376	26.98%	1.399%
23	10.360	1385	1387	1393	rVB	7788466	11039132	8.05%	0.417%
24	10.445	1395	1401	1404	rBV2	2769158	4825071	3.52%	0.182%
25	10.506	1404	1411	1418	rVB2	33339479	65927601	48.05%	2.492%
26	10.622	1425	1430	1433	rBV3	1865469	3007143	2.19%	0.114%
27	10.670	1433	1438	1445	rVB	11194747	21162057	15.42%	0.800%
28	10.762	1445	1453	1458	rBV4	8690949	20848246	15.19%	0.788%
29	10.847	1463	1467	1472	rVB	5657147	9446298	6.88%	0.357%
30	10.939	1472	1482	1488	rBV	13108549	24673014	17.98%	0.933%
31	11.042	1488	1499	1506	rBV	9552657	24672722	17.98%	0.933%
32	11.109	1506	1510	1513	rBV3	5539855	9261087	6.75%	0.350%
33	11.146	1514	1516	1517	rVV2	3796841	3968795	2.89%	0.150%
34	11.183	1517	1522	1526	rVV	18016123	32118913	23.41%	1.214%

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Integrator: RTE
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Title : SW846 8260

35	11.237	1526	1531	1536	rVV	22054570	40968828	29.86%	1.549%
36	11.286	1536	1539	1543	rVV2	4216343	5837379	4.25%	0.221%
37	11.341	1543	1548	1552	rVV2	12315370	21167682	15.43%	0.800%
38	11.420	1552	1561	1571	rVB4	30134855	85419276	62.25%	3.229%
39	11.518	1571	1577	1583	rBV	26750301	47078861	34.31%	1.780%
40	11.634	1591	1596	1599	rBV5	1822606	3025742	2.21%	0.114%
41	11.731	1606	1612	1616	rBV2	22004188	37284799	27.17%	1.409%
42	11.768	1616	1618	1621	rVB	3291464	3489579	2.54%	0.132%
43	11.847	1621	1631	1634	rBV3	31888996	68096563	49.63%	2.574%
44	11.878	1634	1636	1640	rVB	13596264	16221952	11.82%	0.613%
45	11.920	1640	1643	1648	rVB2	13884391	22511024	16.41%	0.851%
46	11.975	1648	1652	1656	rBV4	2726862	5314044	3.87%	0.201%
47	12.067	1659	1667	1672	rVB4	6791574	16526835	12.04%	0.625%
48	12.146	1672	1680	1686	rBV3	26197050	64178746	46.77%	2.426%
49	12.201	1686	1689	1691	rVB	2565062	2675222	1.95%	0.101%
50	12.262	1692	1699	1703	rVB	25096324	41522102	30.26%	1.570%
51	12.341	1703	1712	1714	rBV3	21114954	43939849	32.02%	1.661%
52	12.378	1715	1718	1725	rVB3	22750464	45948810	33.49%	1.737%
53	12.463	1728	1732	1736	rBV2	8031366	14933480	10.88%	0.564%
54	12.518	1736	1741	1743	rBV3	9509038	17790134	12.97%	0.672%
55	12.554	1743	1747	1749	rBV2	9702802	14775378	10.77%	0.558%
56	12.627	1755	1759	1761	rBV3	4832488	7394642	5.39%	0.280%
57	12.664	1761	1765	1769	rVV	24919056	38318303	27.93%	1.448%
58	12.707	1769	1772	1777	rVV4	8098456	15077292	10.99%	0.570%
59	12.798	1781	1787	1793	rVB2	29336643	70309719	51.24%	2.658%
60	12.871	1793	1799	1800	rBV4	11108775	19766456	14.41%	0.747%
61	12.908	1801	1805	1807	rVV	27666784	49356395	35.97%	1.866%
62	12.944	1807	1811	1817	rVV4	44651358	104049648	75.83%	3.933%
63	12.999	1817	1820	1825	rVB4	18867393	30071778	21.92%	1.137%
64	13.091	1830	1835	1839	rBV3	16933077	29439321	21.46%	1.113%
65	13.140	1839	1843	1845	rBV3	11376196	18017097	13.13%	0.681%
66	13.176	1845	1849	1855	rVB	48697098	81434148	59.35%	3.078%
67	13.261	1856	1863	1868	rBV4	67914186	137211545	100.00%	5.186%
68	13.304	1868	1870	1874	rVB2	11861082	13583963	9.90%	0.513%
69	13.359	1874	1879	1881	rBV3	13493270	21645479	15.78%	0.818%
70	13.390	1881	1884	1888	rVB	12341298	15911686	11.60%	0.601%
71	13.457	1888	1895	1899	rBV4	31257230	70156216	51.13%	2.652%

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Integrator: RTE
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Title : SW846 8260

72	13.499	1899	1902	1905	rVV2	25211786	33910077	24.71%	1.282%
73	13.530	1905	1907	1910	rVB	11132022	11149726	8.13%	0.421%
74	13.566	1910	1913	1915	rBV	11570246	13408561	9.77%	0.507%
75	13.633	1921	1924	1930	rVB2	24979772	35799586	26.09%	1.353%
76	13.719	1931	1938	1942	rBV4	18646299	44939651	32.75%	1.699%
77	13.761	1942	1945	1949	rVB	17978204	26157114	19.06%	0.989%
78	13.810	1949	1953	1960	rBV2	19478308	41941929	30.57%	1.585%
79	13.889	1960	1966	1970	rBV2	49377496	88156328	64.25%	3.332%
80	13.926	1970	1972	1977	rVB2	10743306	14622540	10.66%	0.553%
81	13.987	1978	1982	1983	rBV2	10256348	12707817	9.26%	0.480%
82	14.017	1984	1987	1990	rBV3	16336664	25114442	18.30%	0.949%
83	14.103	1997	2001	2006	rVB2	32681852	49995594	36.44%	1.890%
84	14.213	2014	2019	2025	rVB2	29738807	53771494	39.19%	2.033%
85	14.274	2025	2029	2035	rVV6	10110984	21894243	15.96%	0.828%
86	14.347	2035	2041	2044	rVV4	13249311	26515377	19.32%	1.002%
87	14.395	2044	2049	2052	rVV2	29548243	54752141	39.90%	2.070%
88	14.426	2052	2054	2057	rVV	20708883	27120150	19.77%	1.025%
89	14.462	2057	2060	2063	rVV	17235644	23192457	16.90%	0.877%
90	14.499	2063	2066	2070	rVV2	8137056	9720110	7.08%	0.367%
91	14.554	2070	2075	2080	rVB4	14186451	25696954	18.73%	0.971%
92	14.609	2080	2084	2088	rBV6	4342633	6943301	5.06%	0.262%
93	14.694	2093	2098	2102	rBV2	15100614	27314551	19.91%	1.032%
94	14.810	2109	2117	2122	rBV3	22641911	56066217	40.86%	2.119%
95	14.859	2123	2125	2132	rVB4	6250244	10198555	7.43%	0.385%
96	14.962	2137	2142	2147	rBV	9828018	15277203	11.13%	0.577%
97	15.017	2147	2151	2154	rBV4	1837502	3727032	2.72%	0.141%
98	15.066	2154	2159	2163	rVB5	4091488	7159037	5.22%	0.271%
99	15.176	2172	2177	2183	rVB3	4356610	10204287	7.44%	0.386%
100	15.365	2203	2208	2214	rVV	10428610	18700397	13.63%	0.707%

Sum of corrected areas: 2645557193

LSC Report - Integrated Chromatogram

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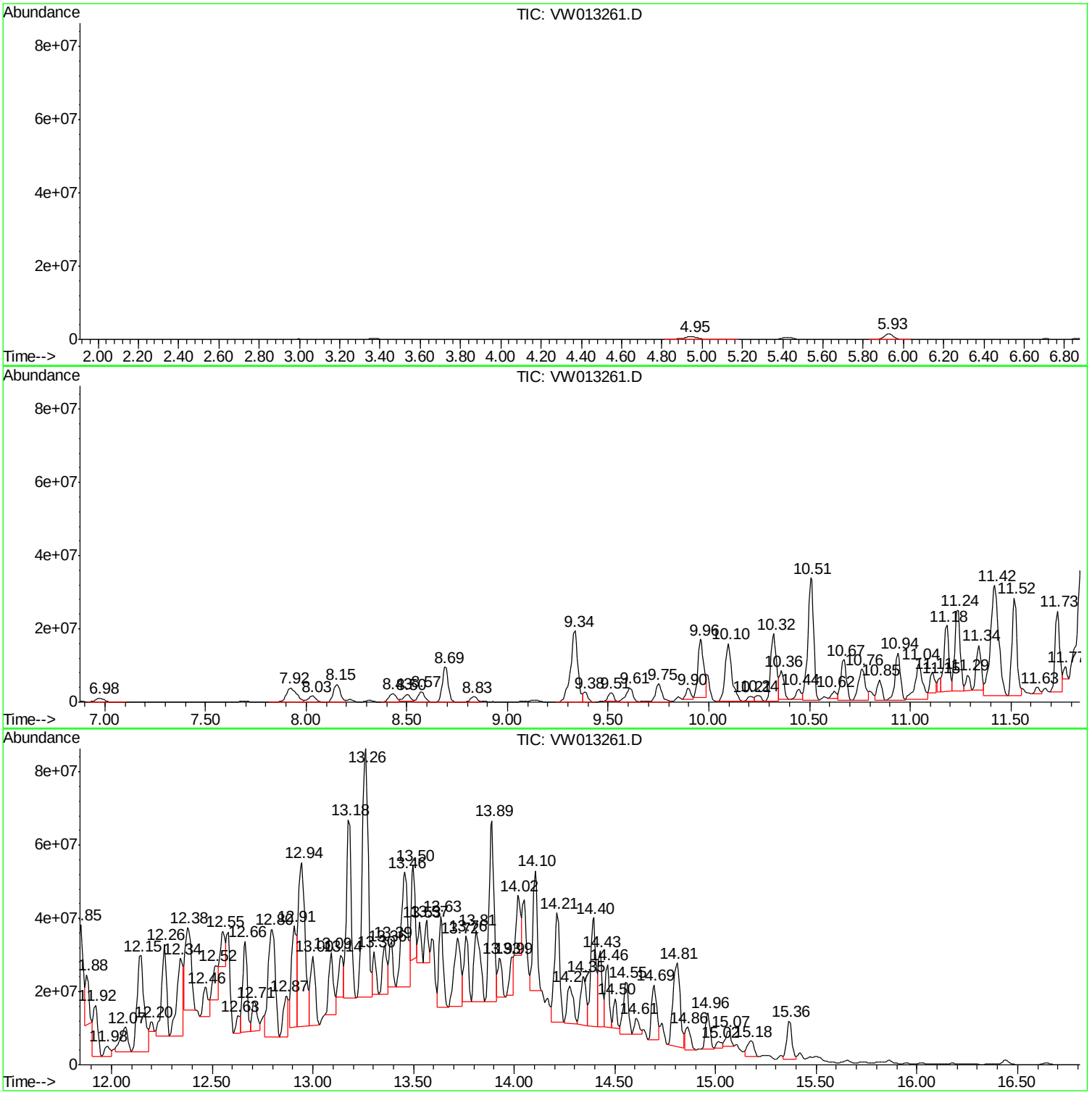
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.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\VW092319\
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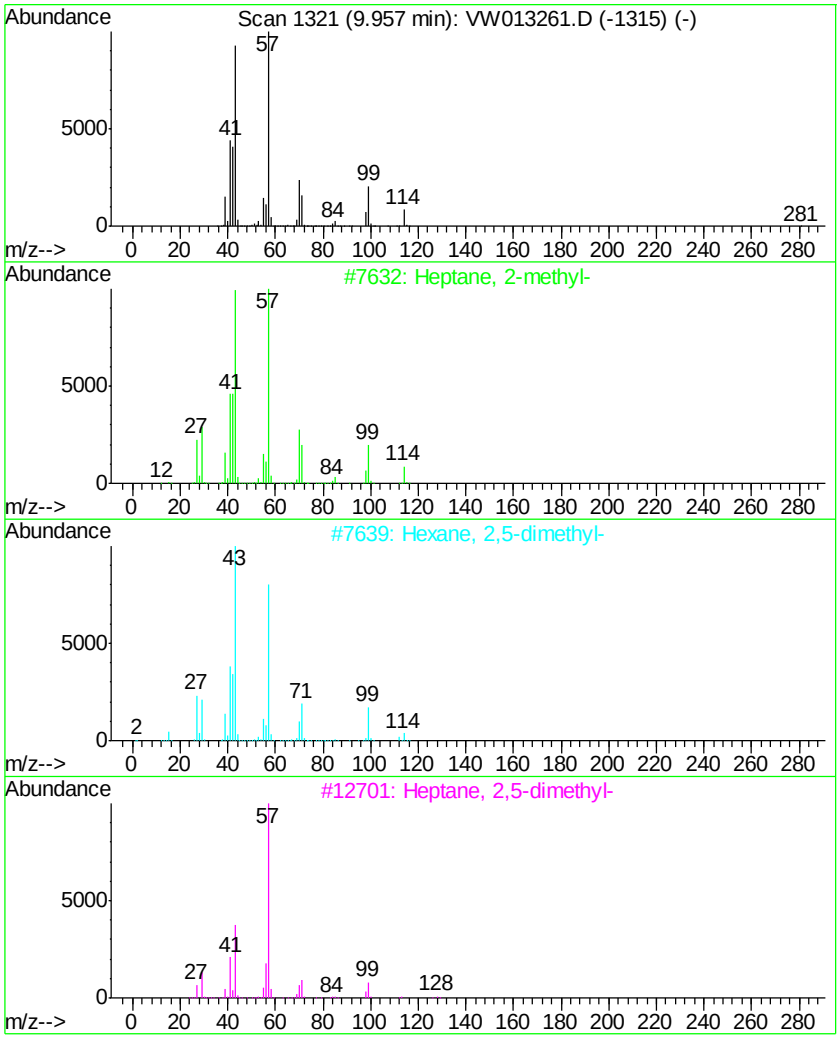
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

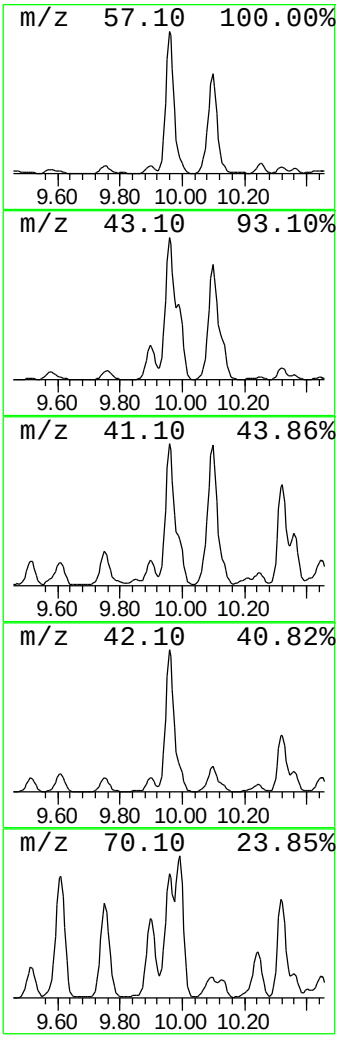
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	446.16 ug/l	32481800	1,4-Difluorobenzene	8.84

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, 2,5-dimethyl-	128	C9H20	002216-30-0	38
4	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	37
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	37





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Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

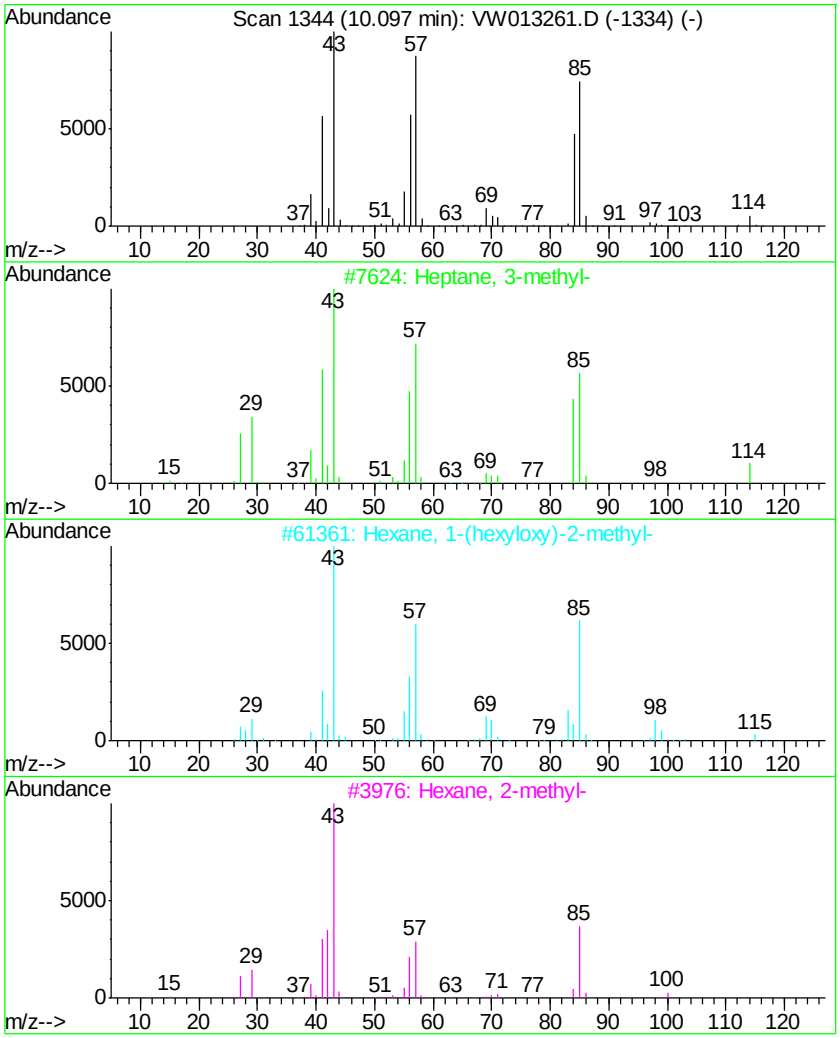
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

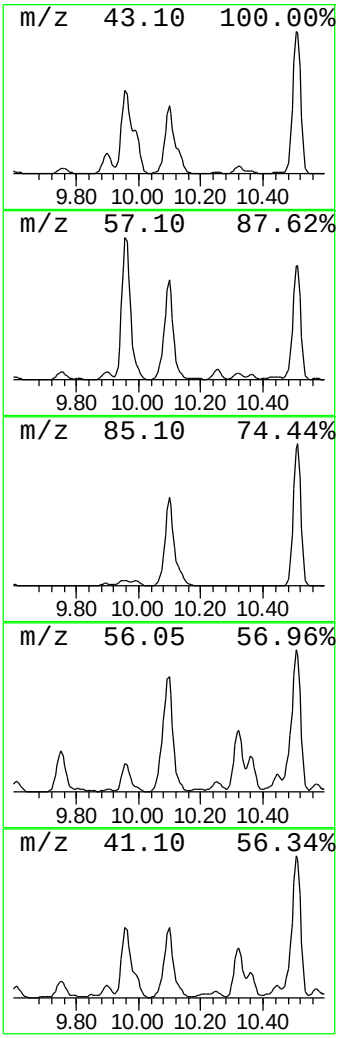
****

Peak Number 2 Heptane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	514.63 ug/l	37467300	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	59
4	Nonane, 5-methyl-	142	C10H22	015869-85-9	59
5	4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	59





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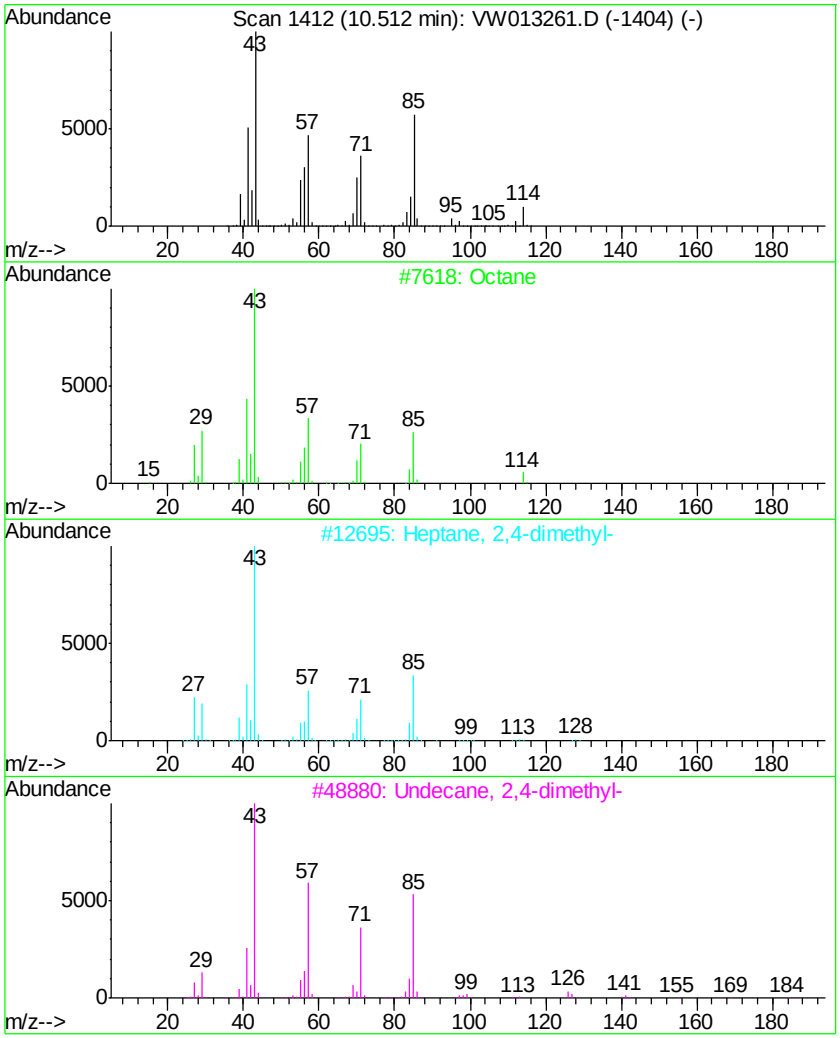
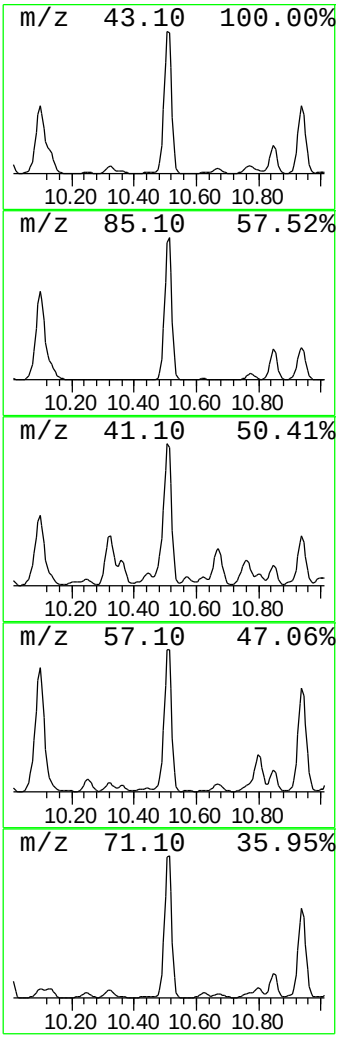
Peak Number 3 Octane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	1089.45 ug/l	65927600	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	50
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	47
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47





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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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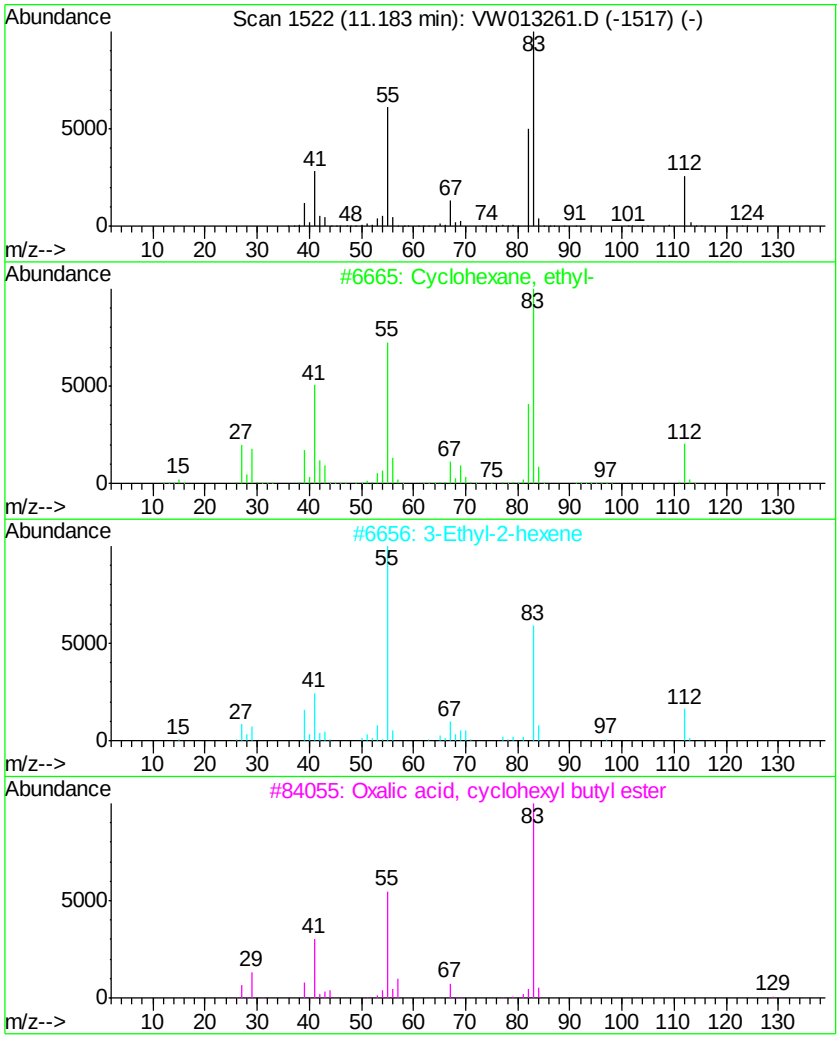
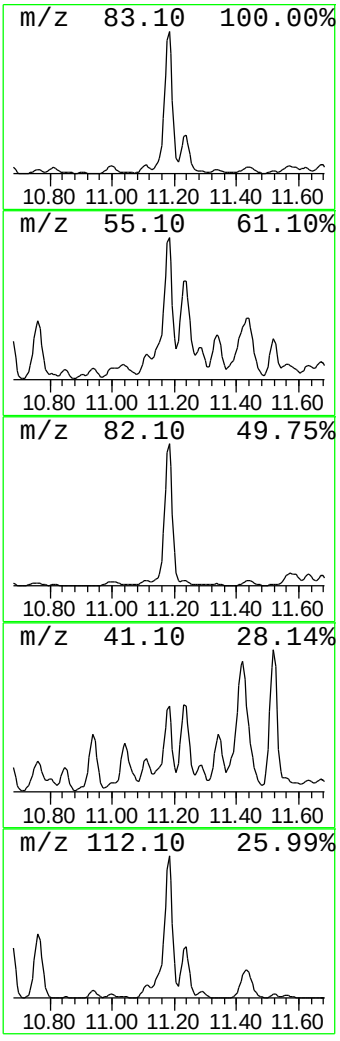
Peak Number 4 Cyclohexane, ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	530.76 ug/l	32118900	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	3-Ethyl-2-hexene	112	C8H16	000620-00-8	53
3	Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	50
4	Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50
5	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	50





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Sample : K5008-01
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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

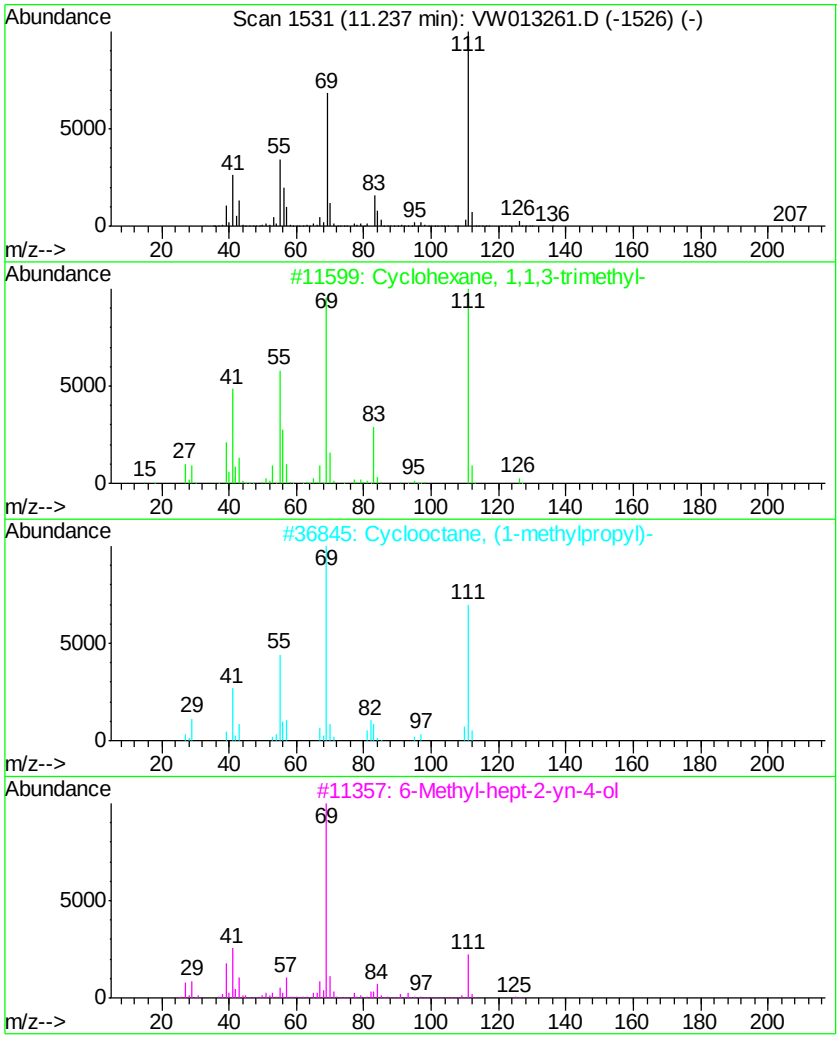
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

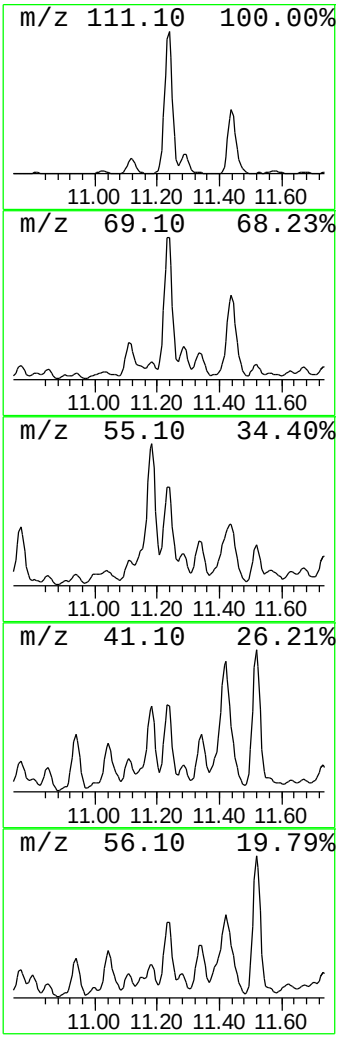
****

Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	677.01 ug/l	40968800	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	64
3	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	59
4	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	53
5	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013261.D
Acq On : 24 Sep 2019 06:22
Operator : SY/VA
Sample : K5008-01
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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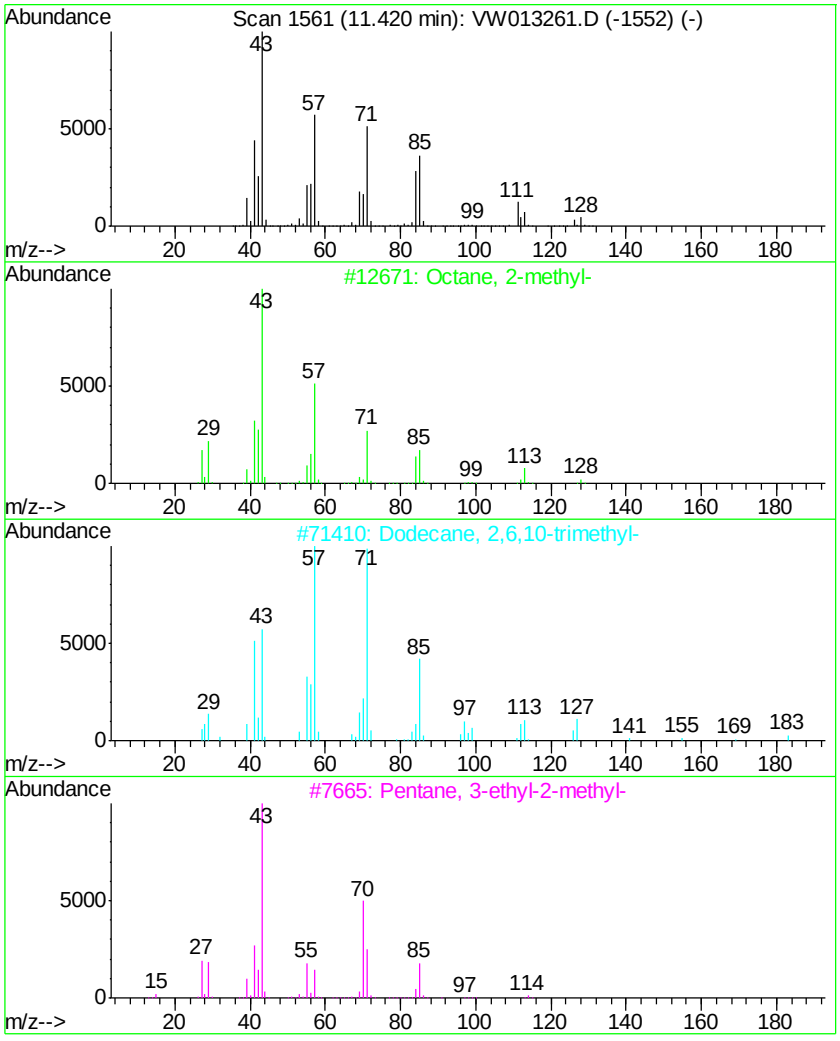
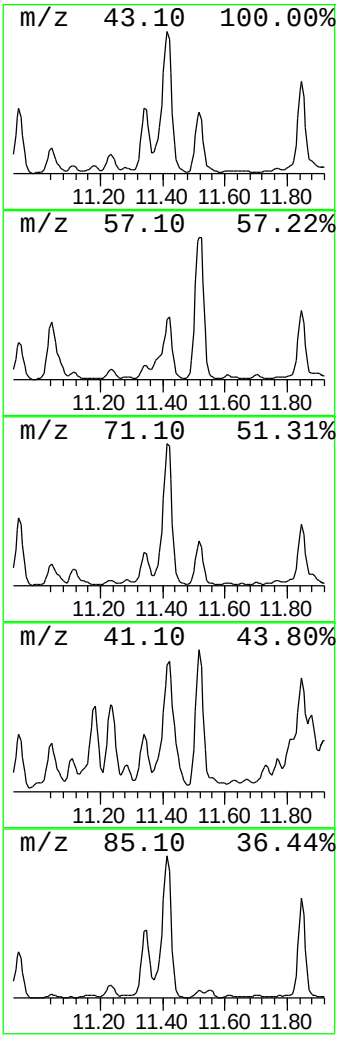
Peak Number 6 Octane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	1411.54 ug/l	85419300	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	83
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	49
4	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013261.D
Acq On : 24 Sep 2019 06:22
Operator : SY/VA
Sample : K5008-01
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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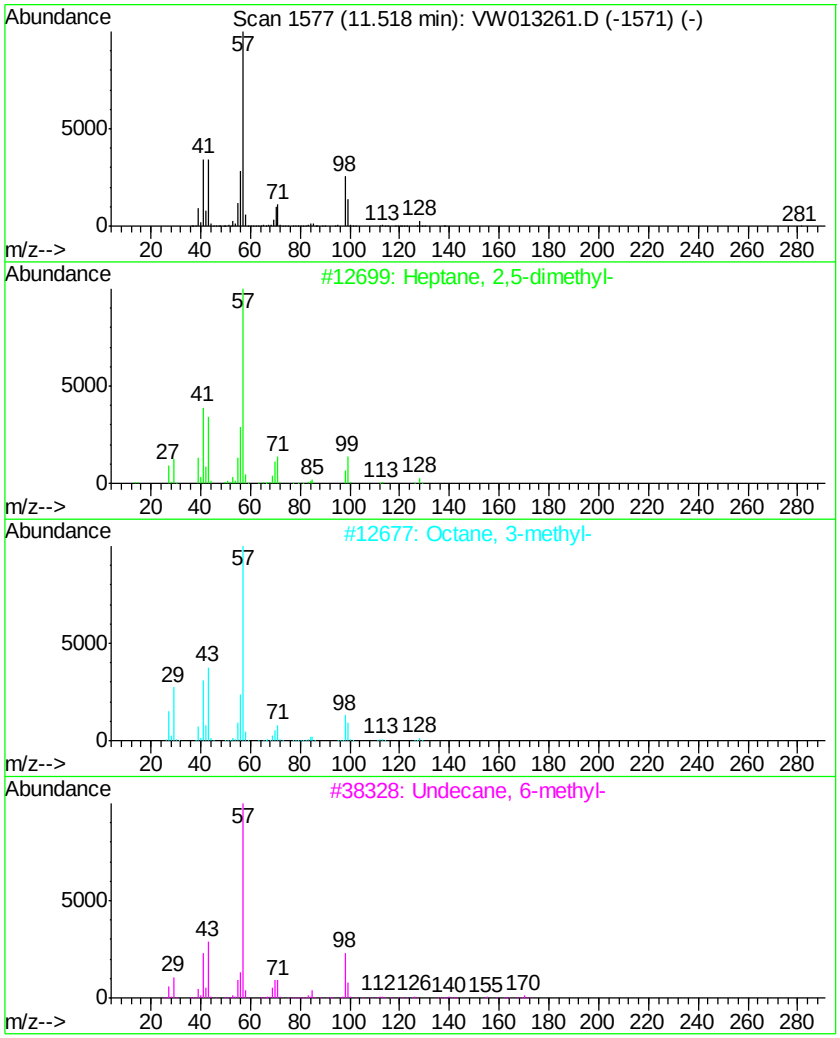
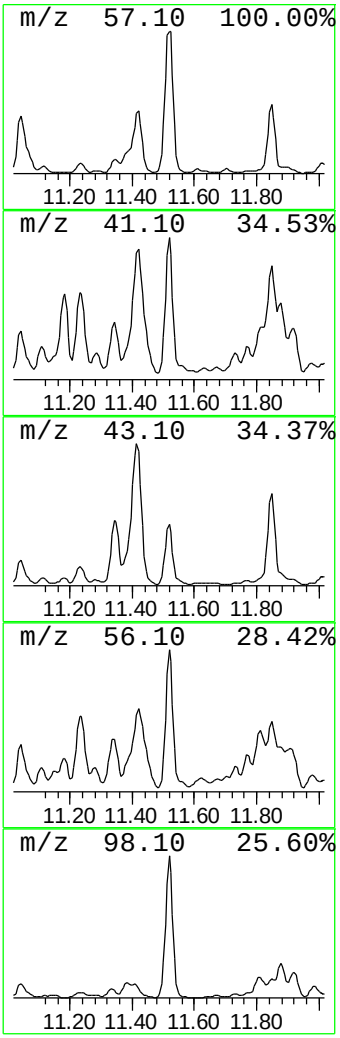
Peak Number 7 Heptane, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	777.97 ug/l	47078900	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Octane, 3-methyl-	128	C9H20	002216-33-3	83
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
Data File : VW013261.D
Acq On : 24 Sep 2019 06:22
Operator : SY/VA
Sample : K5008-01
Misc : 6.00G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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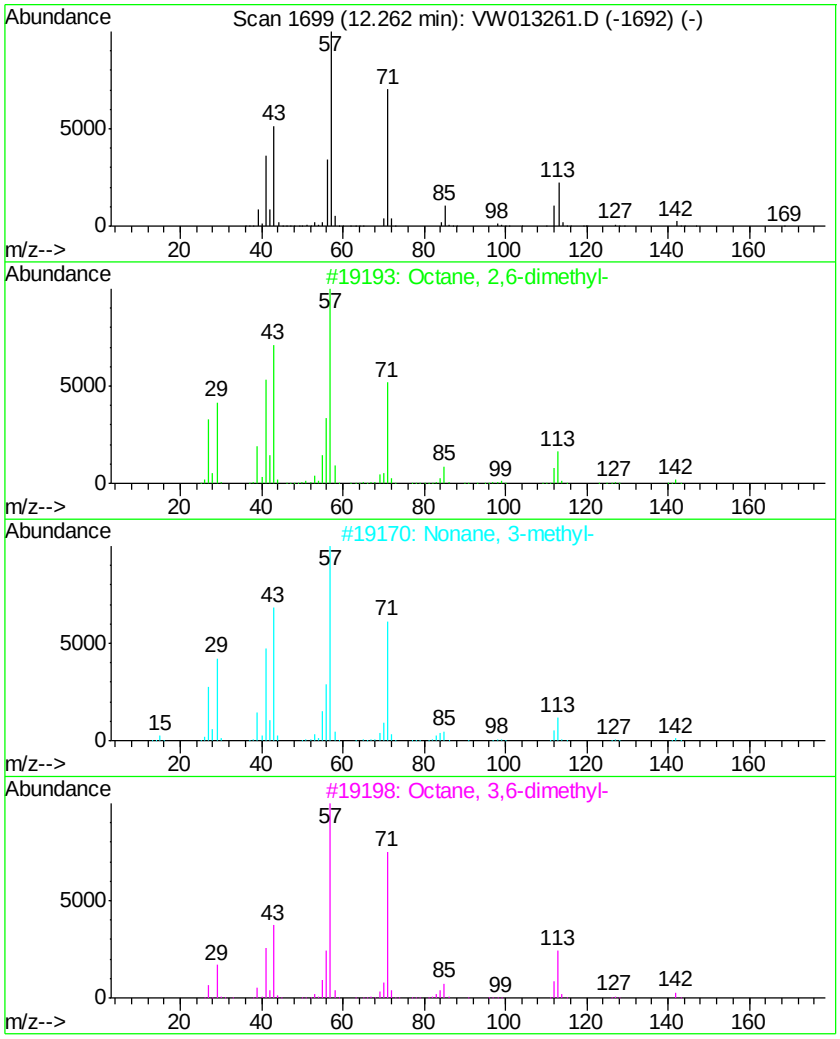
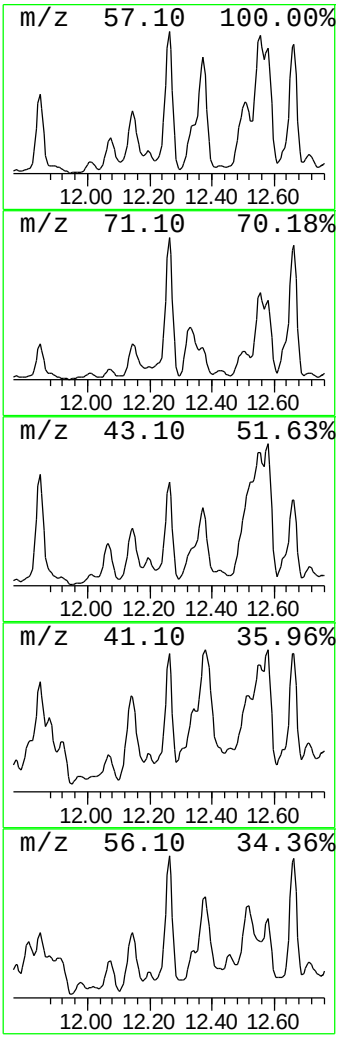
Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	686.15 ug/l	41522100	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	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013261.D
Acq On : 24 Sep 2019 06:22
Operator : SY/VA
Sample : K5008-01
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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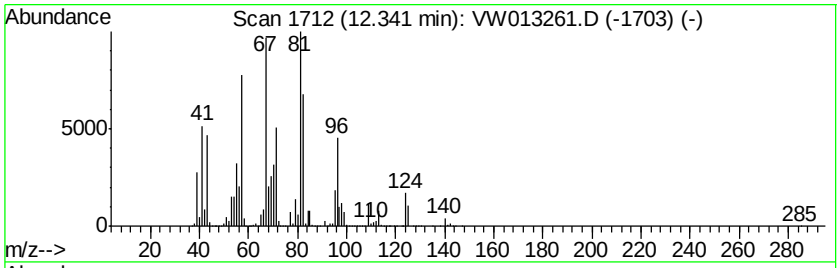
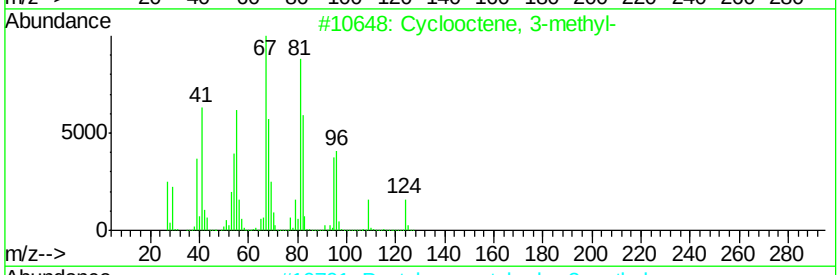
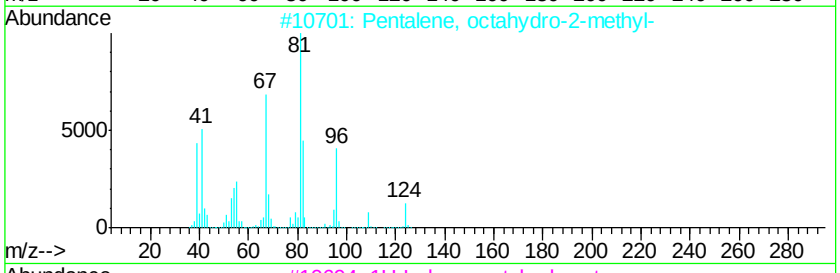
Peak Number 9 Cyclooctene, 3-methyl- Concentration Rank 5

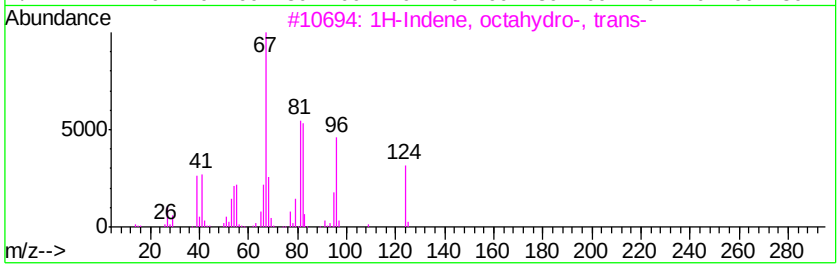
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	726.10 ug/l	43939800	Chlorobenzene-d5	11.63

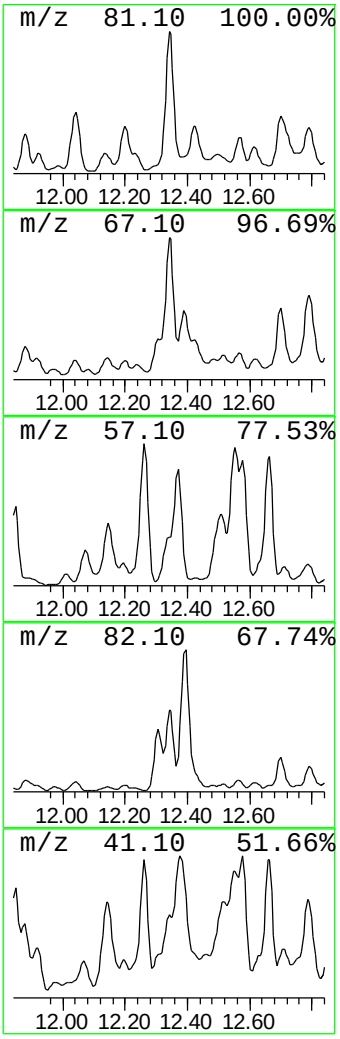
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	72
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	72
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	38











Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
Data File : VW013261.D
Acq On : 24 Sep 2019 06:22
Operator : SY/VA
Sample : K5008-01
Misc : 6.00G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.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
Heptane, 2-methyl-	9.96	446.2	ug/l	32481800	2	8.84	3640190	50.0
Heptane, 3-methyl-	10.10	514.6	ug/l	37467300	2	8.84	3640190	50.0
Octane	10.51	1089.5	ug/l	65927600	3	11.63	3025740	50.0
Cyclohexane, ethyl-	11.18	530.8	ug/l	32118900	3	11.63	3025740	50.0
Cyclohexane, 1,1,...	11.24	677.0	ug/l	40968800	3	11.63	3025740	50.0
Octane, 2-methyl-	11.42	1411.5	ug/l	85419300	3	11.63	3025740	50.0
Heptane, 2,5-dime...	11.52	778.0	ug/l	47078900	3	11.63	3025740	50.0
Octane, 2,6-dimet...	12.26	686.1	ug/l	41522100	3	11.63	3025740	50.0
Cyclooctene, 3-me...	12.34	726.1	ug/l	43939800	3	11.63	3025740	50.0