LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

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\82D011921S.M
Title : SW846 8260

Signal : TIC: VD068301.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.920	1010	1020	1025	rBV	282633	679839	6.28%	0.611%
2	7.985	1025	1031	1041	rVB	442972	999749	9.23%	0.898%
3	8.338	1082	1091	1102	rBV	284090	633465	5.85%	0.569%
4	8.867	1172	1181	1189	rBV	722257	1468708	13.56%	1.319%
5	9.355	1253	1264	1270	rBV5	67896	207802	1.92%	0.187%
6	9.773	1330	1335	1343	rVB2	74982	153644	1.42%	0.138%
7	10.114	1386	1393	1404	rVB5	58612	175606	1.62%	0.158%
8	10.343	1424	1432	1446	rBV	1141488	2286698	21.11%	2.054%
9	10.520	1456	1462	1469	rVB6	119392	303682	2.80%	0.273%
10	10.638	1478	1482	1485	rBV2	110049	174122	1.61%	0.156%
11	10.679	1485	1489	1497	rVB2	218417	405474	3.74%	0.364%
12	10.779	1500	1506	1511	rBV4	133320	286095	2.64%	0.257%
13	10.861	1518	1520	1526	rVB2	78749	119202	1.10%	0.107%
14	10.955	1531	1536	1542	rVB	317420	543415	5.02%	0.488%
15	11.055	1548	1553	1561	rVB	159971	366423	3.38%	0.329%
16	11.126	1561	1565	1568	rBV2	128154	224244	2.07%	0.201%
17	11.161	1568	1571	1573	rVV3	130196	192183	1.77%	0.173%
18	11.196	1573	1577	1580	rVV	198695	335143	3.09%	0.301%
19	11.249	1580	1586	1592	rVV	1755117	3221281	29.73%	2.894%
20	11.302	1592	1595	1598	rVV2	159224	223808	2.07%	0.201%
21	11.349	1598	1603	1608	rVV3	585891	1065829	9.84%	0.957%
22	11.449	1608	1620	1628	rVB3	657084	1692858	15.63%	1.521%
23	11.532	1628	1634	1639	rBV	416474	713346	6.58%	0.641%
24	11.643	1648	1653	1658	rBV	690677	1279085	11.81%	1.149%
25	11.779	1672	1676	1680	rBV	485519	757112	6.99%	0.680%
26	11.838	1680	1686	1690	rBV3	510173	955500	8.82%	0.858%
27	11.890	1690	1695	1699	rBV	551205	966588	8.92%	0.868%
28	11.990	1707	1712	1719	rBV3	598951	1331771	12.29%	1.196%
29	12.155	1732	1740	1746	rBV3	1728967	4161518	38.41%	3.738%
30	12.208	1746	1749	1752	rBV3	181240	202043	1.86%	0.181%
31	12.267	1752	1759	1764	rVB	1939132	3489161	32.21%	3.134%
32	12.355	1764	1774	1777	rBV3	2318803	5702798	52.64%	5.123%
33	12.473	1790	1794	1797	rBV4	398710	679091	6.27%	0.610%
34	12.561	1806	1809	1816	rVB3	1205754	2100950	19.39%	1.887%
35	12.632	1816	1821	1827	rBV3	1067215	1870135	17.26%	1.680%
36	12.714	1827	1835	1841	rBV8	1302370	4136054	38.18%	3.715%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

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\82D011921S.M
Title : SW846 8260

37	12.796	1844	1849	1856	rVB3	3468467	6639496	61.29%	5.964%
38	12.879	1856	1863	1868	rBV5	1441988	3518338	32.48%	3.160%
39	12.943	1868	1874	1882	rBV2	4250440	10833619	100.00%	9.732%
40	13.067	1890	1895	1897	rBV3	1424145	2379407	21.96%	2.137%
41	13.096	1897	1900	1905	rVB3	1652556	2485443	22.94%	2.233%
42	13.149	1905	1909	1911	rBV3	695227	1039876	9.60%	0.934%
43	13.185	1911	1915	1923	rVB	3534831	5482695	50.61%	4.925%
44	13.279	1928	1931	1933	rVV3	656652	830978	7.67%	0.746%
45	13.314	1934	1937	1941	rVV	1165334	1876266	17.32%	1.685%
46	13.361	1942	1945	1948	rVV2	976621	1488495	13.74%	1.337%
47	13.396	1949	1951	1955	rVV4	681825	935151	8.63%	0.840%
48	13.467	1955	1963	1966	rVV6	2101114	4681032	43.21%	4.205%
49	13.502	1966	1969	1974	rVB5	1002674	1540000	14.22%	1.383%
50	13.714	2001	2005	2010	rVB4	902031	1427960	13.18%	1.283%
51	13.896	2031	2036	2041	rBV2	2343523	3941296	36.38%	3.540%
52	14.002	2051	2054	2057	rBV4	476927	631200	5.83%	0.567%
53	14.220	2086	2091	2096	rBV5	690406	1291789	11.92%	1.160%
54	14.284	2097	2102	2108	rVB6	954321	1804229	16.65%	1.621%
55	14.343	2108	2112	2117	rBV6	437001	910758	8.41%	0.818%
56	14.408	2118	2123	2126	rBV4	1553850	2791736	25.77%	2.508%
57	14.826	2189	2194	2198	rBV6	679171	1520400	14.03%	1.366%
58	14.873	2199	2202	2208	rVB4	967200	1691353	15.61%	1.519%
59	15.026	2225	2228	2234	rVB	780513	1272051	11.74%	1.143%
60	15.096	2236	2240	2245	rVB2	683027	1144814	10.57%	1.028%
61	15.155	2246	2250	2253	rBV	487476	847366	7.82%	0.761%
62	15.361	2282	2285	2291	rVB4	395412	606784	5.60%	0.545%
63	15.443	2293	2299	2303	rBV4	782706	1726765	15.94%	1.551%
64	16.684	2506	2510	2526	rVB5	676929	1879959	17.35%	1.689%

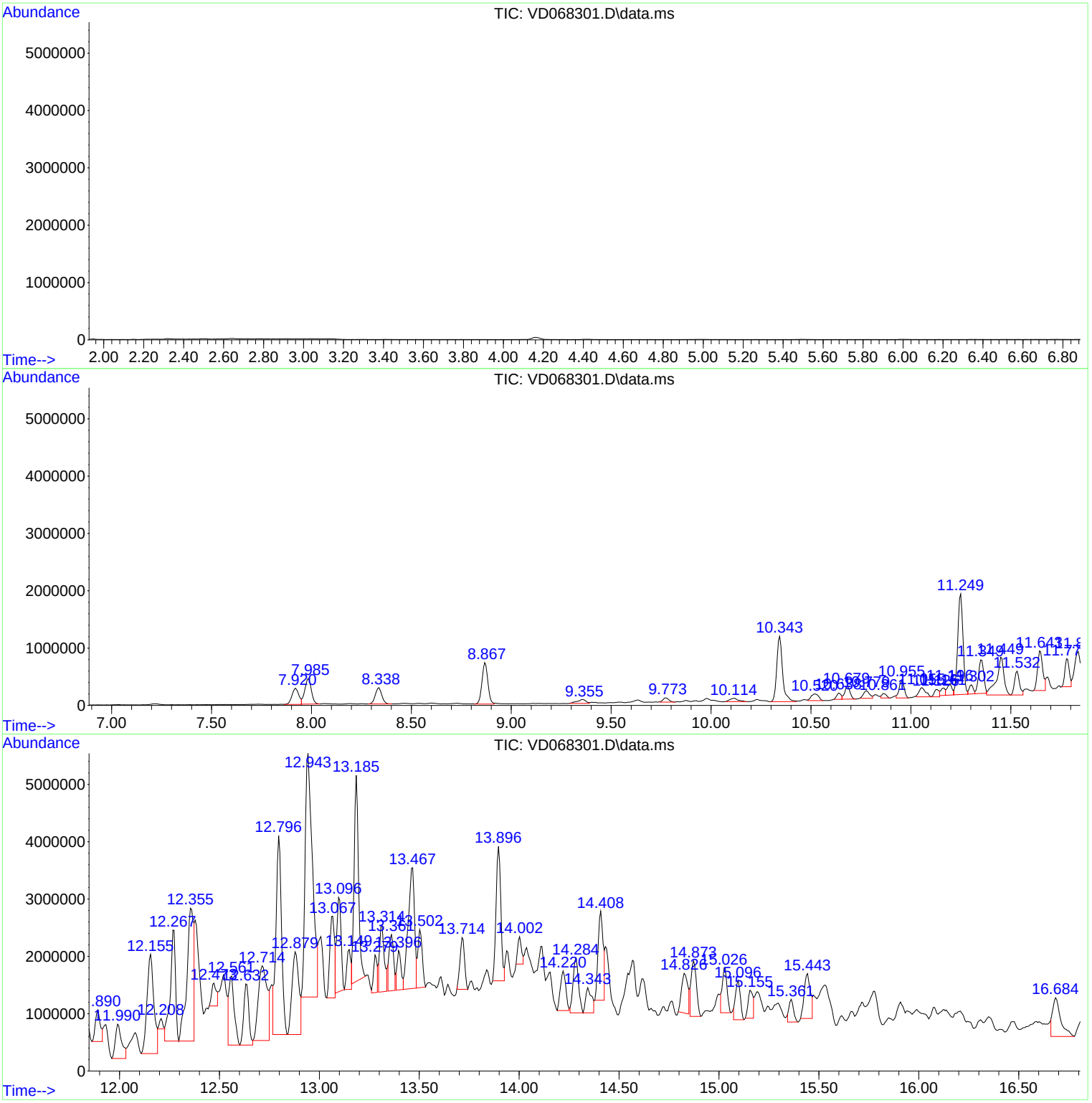
Sum of corrected areas: 111323678

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
R-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

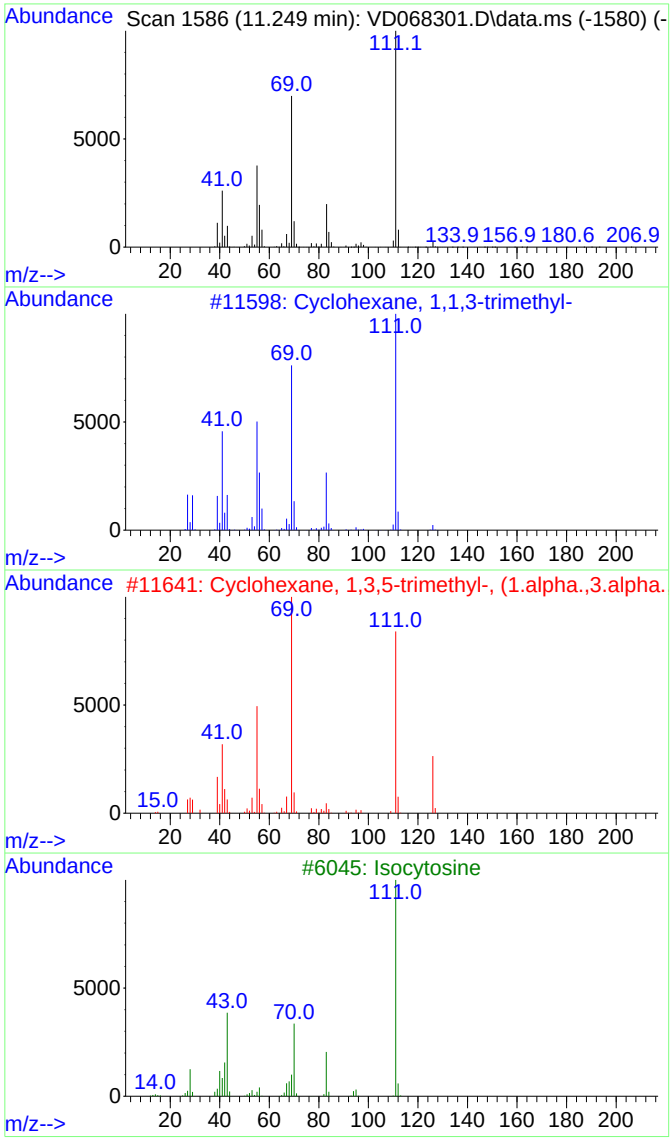
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

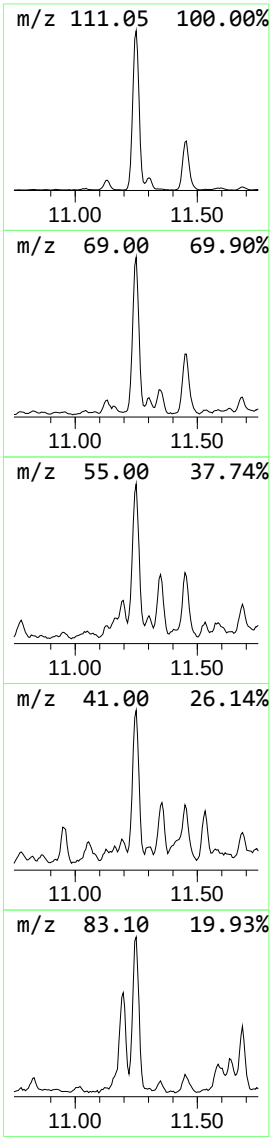
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.249	125.92 ug/l	3221280	Chlorobenzene-d5	11.649

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	59
3	Isocytosine	111	C4H5N3O	000108-53-2	59
4	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

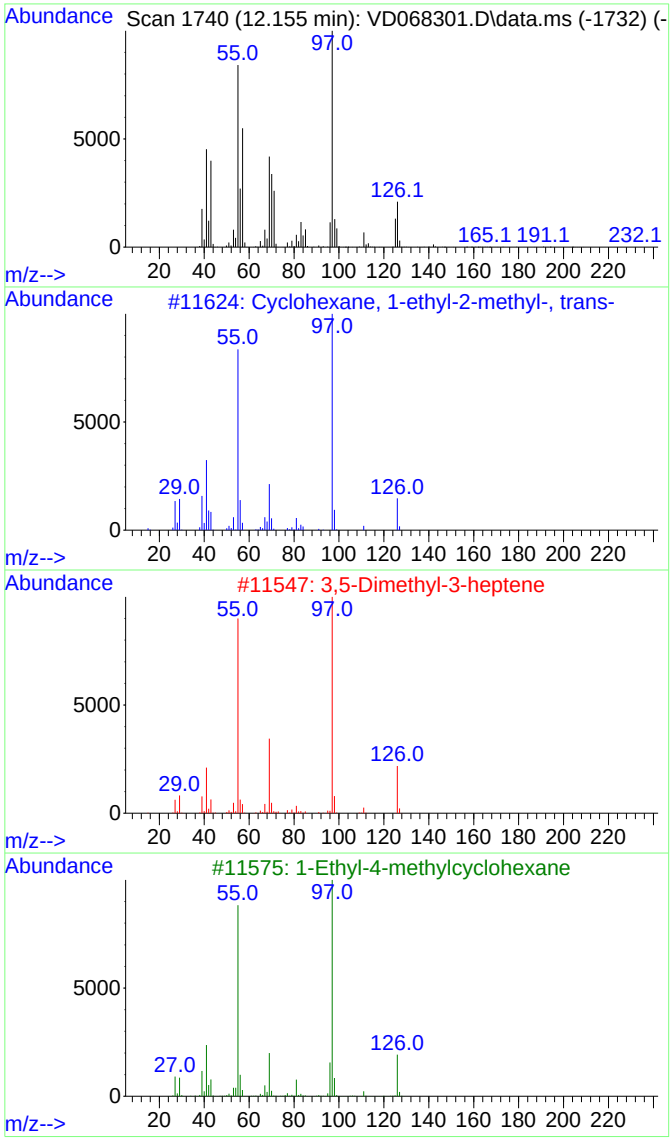
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

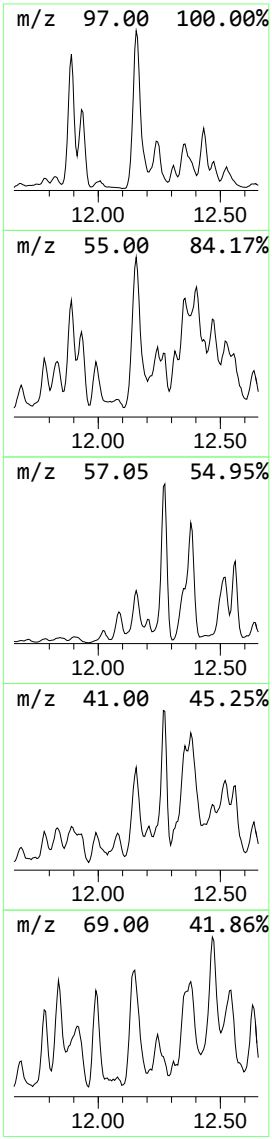
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.155	162.68 ug/l	4161520	Chlorobenzene-d5	11.649

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

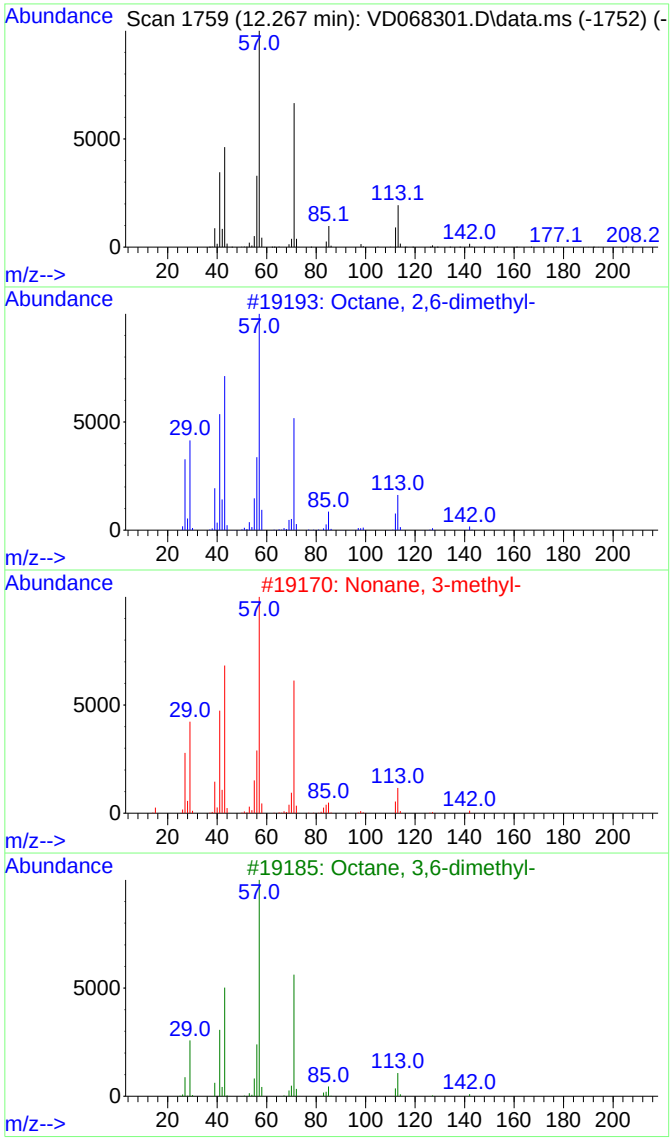
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

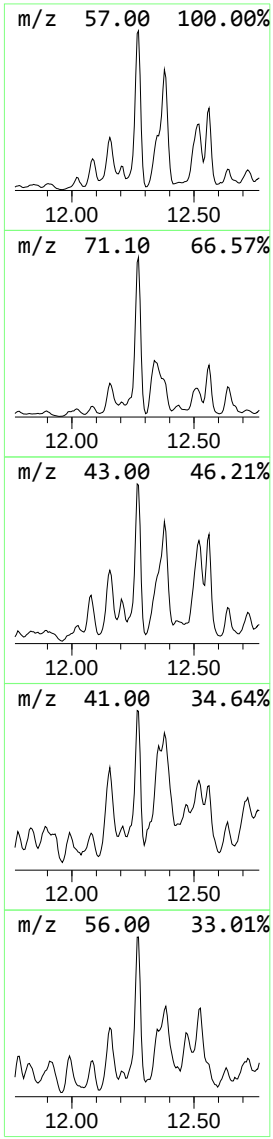
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	136.39 ug/l	3489160	Chlorobenzene-d5	11.649

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	80
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

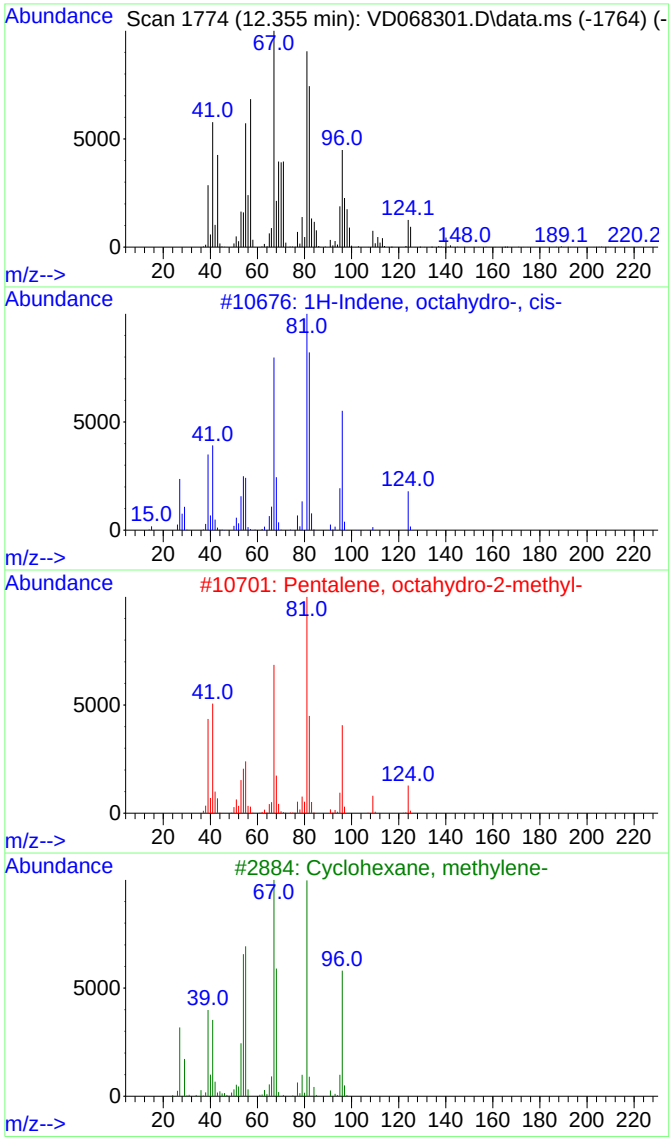
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

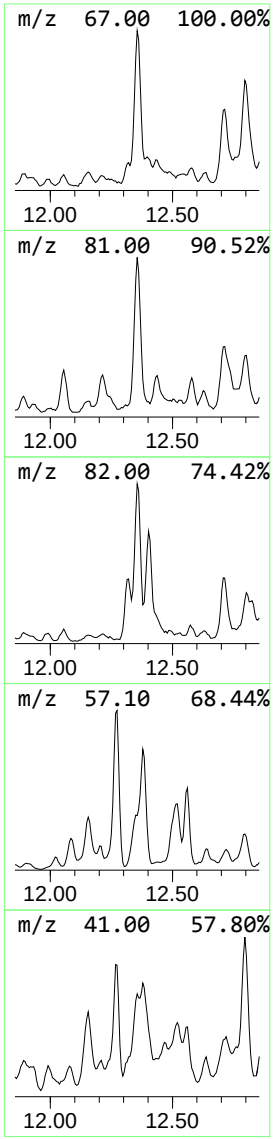
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Indene, octahydro-, cis- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.355	222.93 ug/l	5702800	Chlorobenzene-d5	11.649

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	60
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	45
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	43
4	Butanoic acid, 4-hexenyl ester, ...	170	C10H18O2	069727-41-9	38
5	Cyclohexaneethanol, acetate	170	C10H18O2	021722-83-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

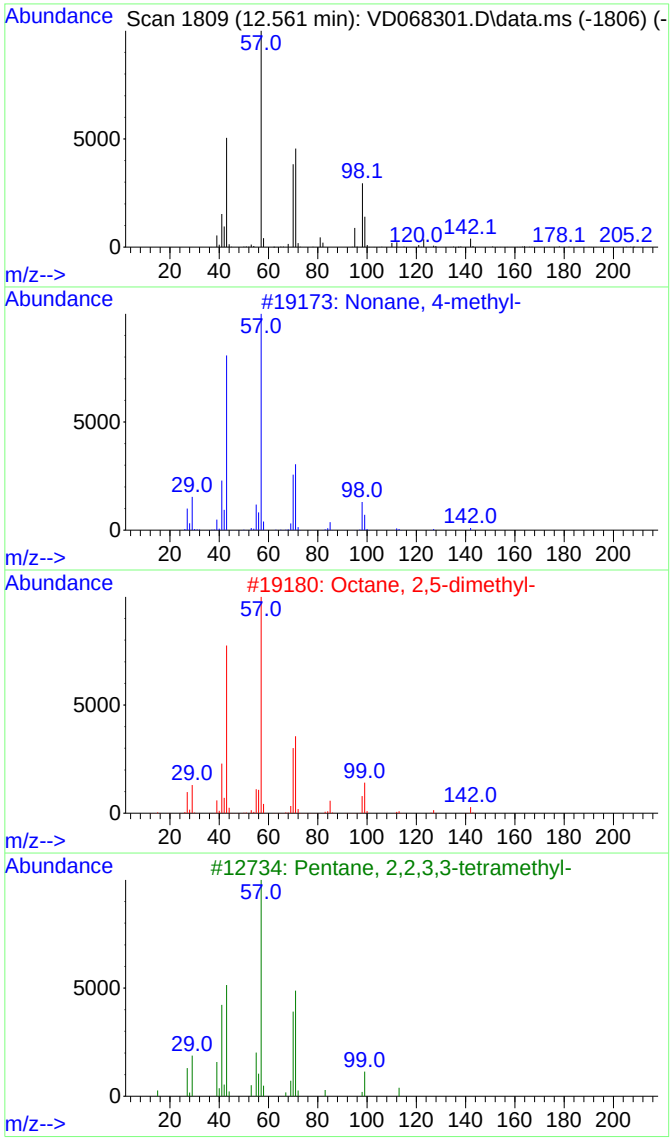
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

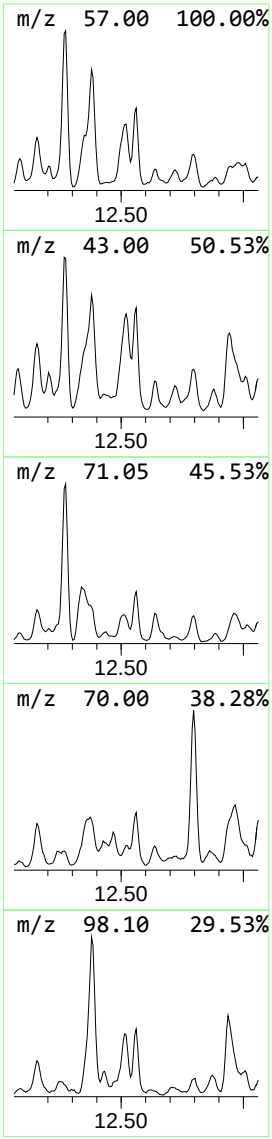
****

Peak Number 5 Nonane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.561	82.13 ug/l	2100950	Chlorobenzene-d5	11.649

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	86
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	72
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	45
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
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Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

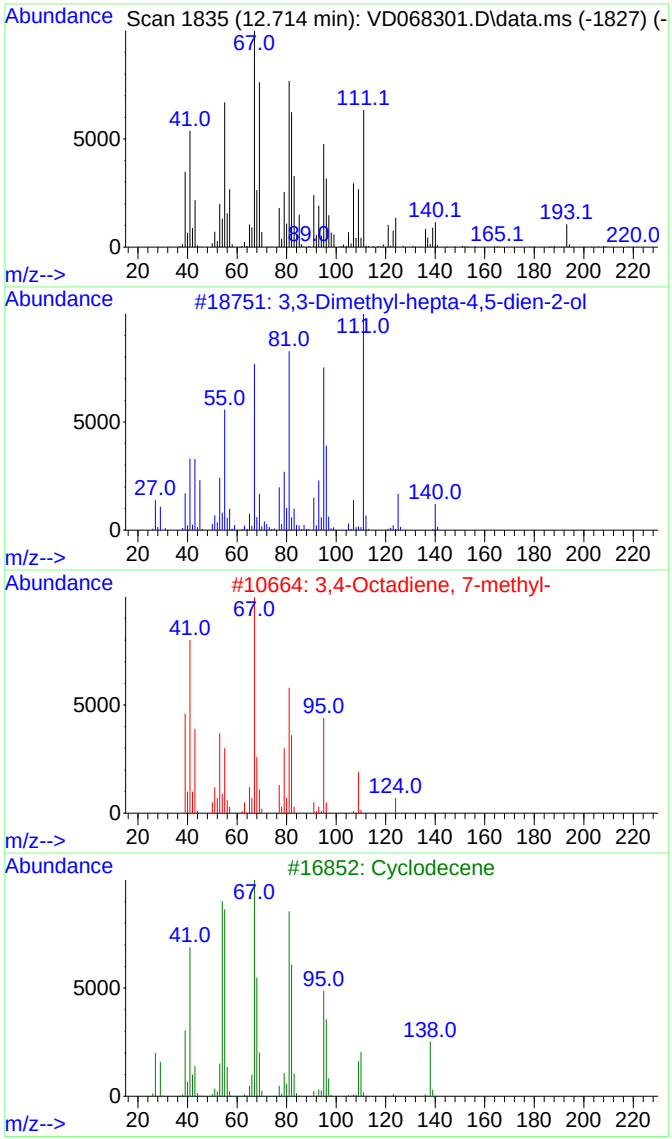
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

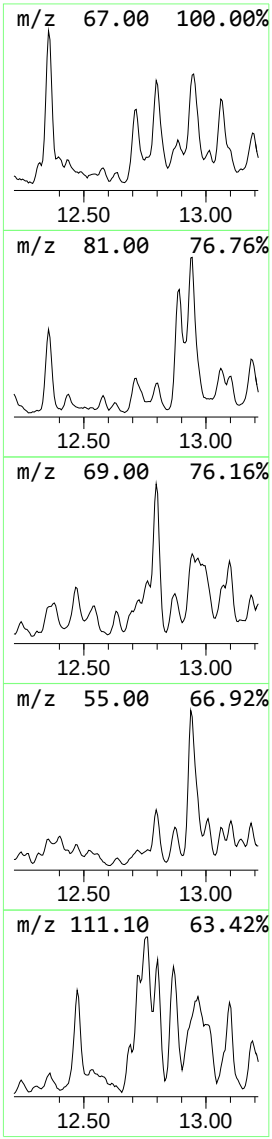
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3,3-Dimethyl-hepta-4,5-dien... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.714	134.29 ug/l	4136050	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethyl-hepta-4,5-dien-2-ol	140	C9H16O	1000190-23-9	89
2	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	53
3	Cyclodecene	138	C10H18	003618-12-0	49
4	9-Eicosyne	278	C20H38	071899-38-2	46
5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

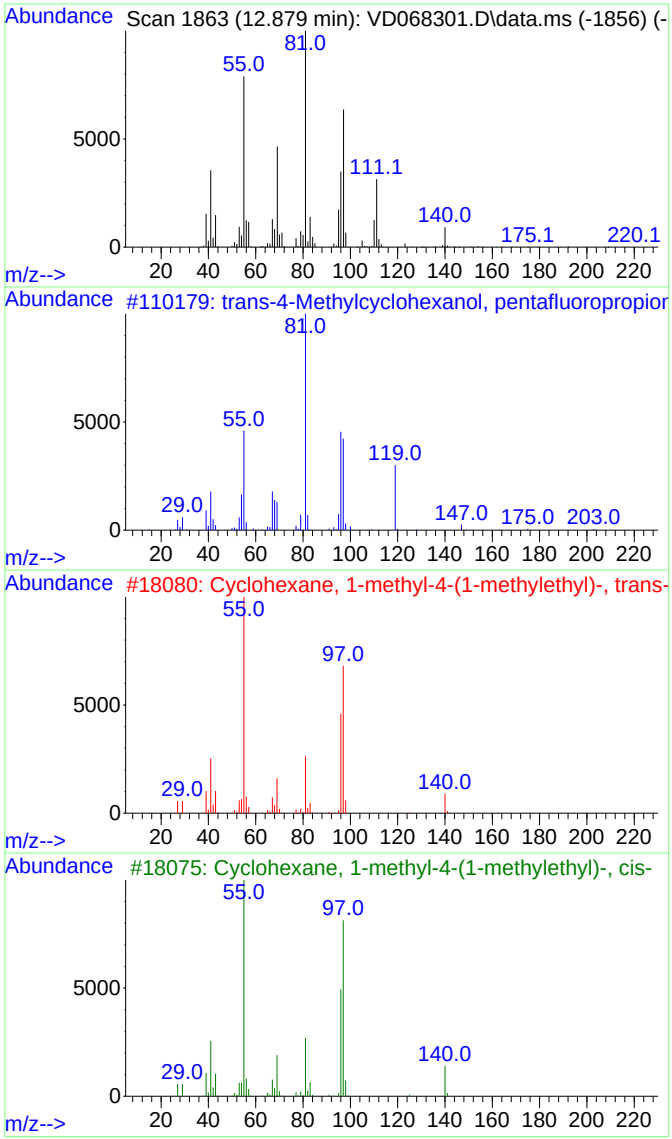
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

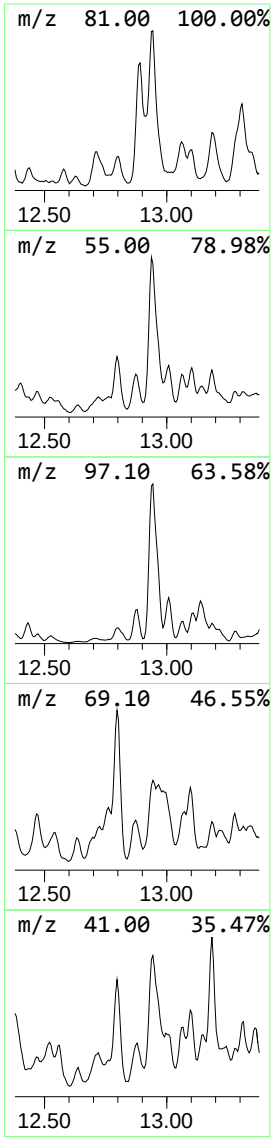
****

Peak Number 7 unknown12.879 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.879	114.23 ug/l	3518340	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Methylcyclohexanol, pent...	260	C10H13F5O2	1000364-13-9	47
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	41
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38
5	Formic acid, trans-4-methylcyclo...	142	C8H14O2	1000368-24-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

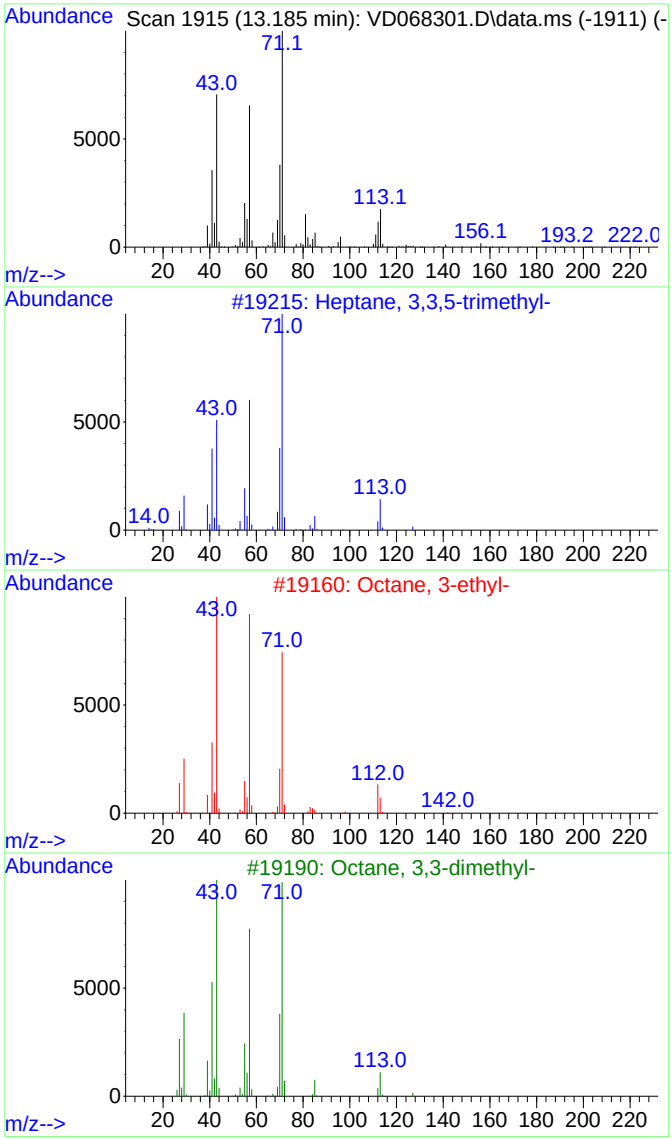
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

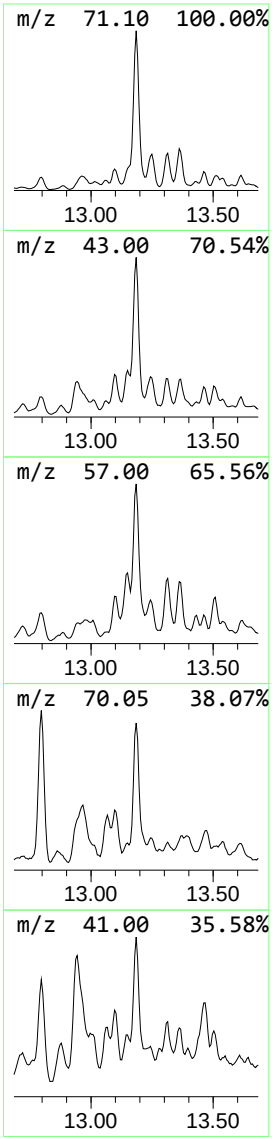
****

Peak Number 8 Heptane, 3,3,5-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.185	178.01 ug/l	5482700	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	80
2	Octane, 3-ethyl-	142	C10H22	005881-17-4	72
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	53
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

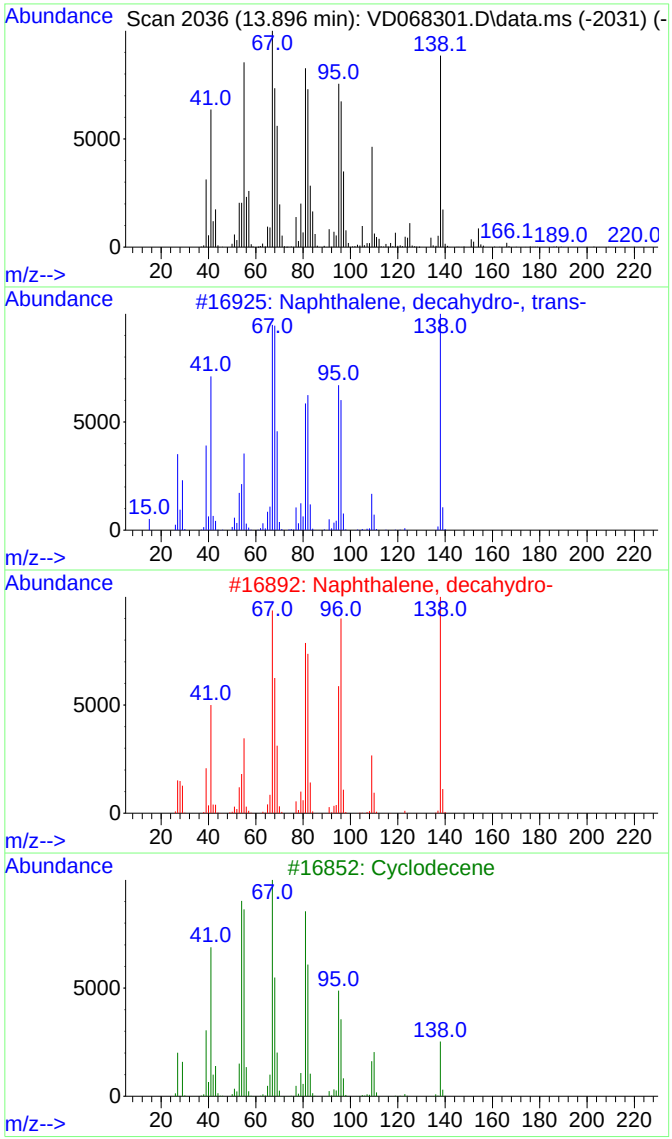
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

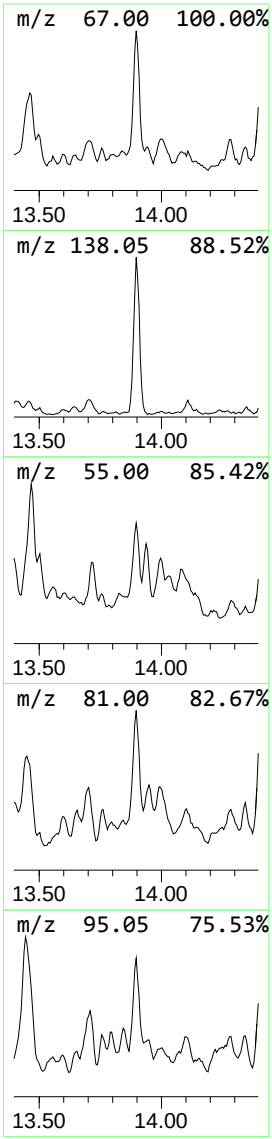
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.896	127.96 ug/l	3941300	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	83
3	Cyclodecene	138	C10H18	003618-12-0	80
4	Spiro[4.5]decane	138	C10H18	000176-63-6	74
5	Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

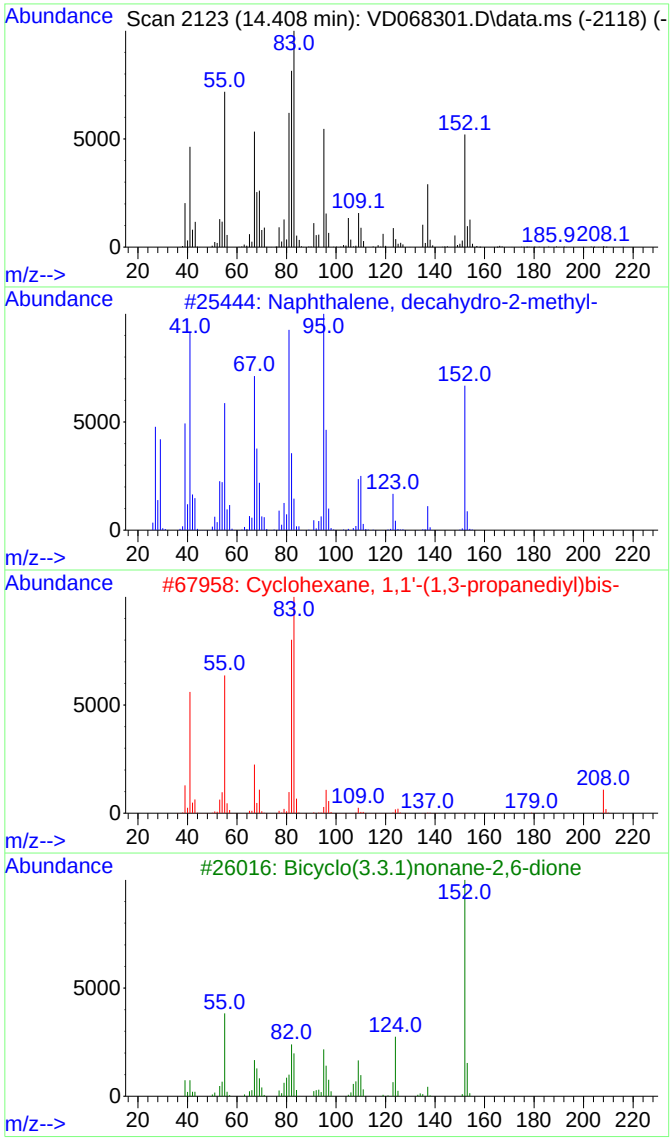
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

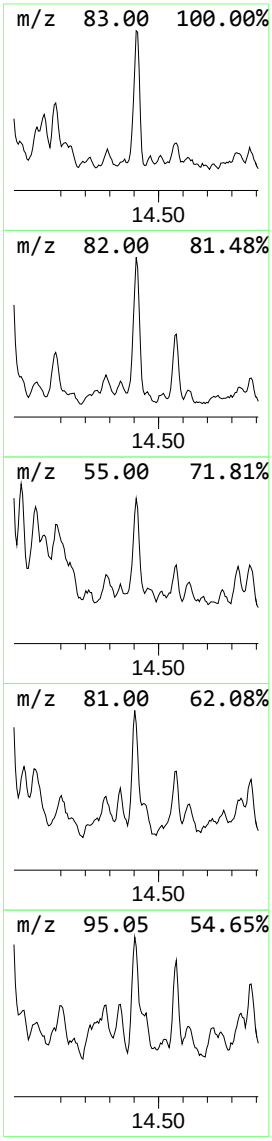
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.408	90.64 ug/l	2791740	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	51
2	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	46
3	Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	43
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5	2-Cyclohexen-1-one, 2-methyl-5-(...	152	C10H16O	000499-71-8	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
Data File : VD068301.D
Acq On : 05 Feb 2021 14:58
Operator : VA/SY
Sample : M1317-05
Misc : 7.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : R-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.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
Cyclohexane, 1,...	11.249	125.9	ug/l	3221280	3	11.649	1279090	50.0
Cyclohexane, 1-...	12.155	162.7	ug/l	4161520	3	11.649	1279090	50.0
Octane, 2,6-dim...	12.267	136.4	ug/l	3489160	3	11.649	1279090	50.0
1H-Indene, octa...	12.355	222.9	ug/l	5702800	3	11.649	1279090	50.0
Nonane, 4-methyl-	12.561	82.1	ug/l	2100950	3	11.649	1279090	50.0
3,3-Dimethyl-he...	12.714	134.3	ug/l	4136050	4	13.573	1540000	50.0
unknown12.879	12.879	114.2	ug/l	3518340	4	13.573	1540000	50.0
Heptane, 3,3,5-...	13.185	178.0	ug/l	5482700	4	13.573	1540000	50.0
Naphthalene, de...	13.896	128.0	ug/l	3941300	4	13.573	1540000	50.0
Naphthalene, de...	14.408	90.6	ug/l	2791740	4	13.573	1540000	50.0