LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VIBLK

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\82D090821S.M
Title : SW846 8260

Signal : TIC: VD070512.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.962	507	517	526	rBV2	18735	59884	2.76%	0.157%
2	7.697	974	982	989	rBV2	8545	23156	1.07%	0.061%
3	7.909	1009	1018	1024	rBV	322964	775627	35.74%	2.030%
4	7.979	1024	1030	1042	rVB	446511	1001123	46.13%	2.621%
5	8.326	1080	1089	1102	rBV	303511	672440	30.98%	1.760%
6	8.861	1171	1180	1195	rBV	764306	1492707	68.78%	3.907%
7	10.332	1422	1430	1440	rBV	1160824	2128838	98.09%	5.573%
8	10.944	1528	1534	1540	rVB7	15476	28366	1.31%	0.074%
9	11.050	1546	1552	1555	rBV5	17465	35260	1.62%	0.092%
10	11.120	1559	1564	1570	rVV6	18155	31092	1.43%	0.081%
11	11.238	1579	1584	1590	rVV3	39184	66019	3.04%	0.173%
12	11.349	1597	1603	1607	rBV2	42660	73693	3.40%	0.193%
13	11.391	1607	1610	1612	rVV4	26761	41082	1.89%	0.108%
14	11.444	1615	1619	1627	rVB3	71723	138996	6.40%	0.364%
15	11.520	1627	1632	1635	rBV2	33254	52766	2.43%	0.138%
16	11.638	1643	1652	1660	rBV	1209597	2135111	98.38%	5.589%
17	11.702	1660	1663	1669	rVB	38269	56022	2.58%	0.147%
18	11.773	1669	1675	1679	rBV	88427	154885	7.14%	0.405%
19	11.826	1679	1684	1688	rBV4	96653	168336	7.76%	0.441%
20	11.879	1688	1693	1698	rBV2	340694	607618	28.00%	1.591%
21	11.920	1698	1700	1706	rVB	194446	284064	13.09%	0.744%
22	12.014	1706	1716	1718	rBV3	84287	202315	9.32%	0.530%
23	12.073	1719	1726	1731	rBV2	302814	536979	24.74%	1.406%
24	12.144	1731	1738	1744	rBV3	952981	2073774	95.55%	5.429%
25	12.261	1750	1758	1763	rVB	1127309	1901439	87.61%	4.977%
26	12.338	1763	1771	1773	rBV4	624934	1365250	62.90%	3.574%
27	12.373	1774	1777	1782	rVV	806973	1201698	55.37%	3.146%
28	12.432	1782	1787	1788	rVV2	197549	323047	14.88%	0.846%
29	12.461	1789	1792	1794	rVV3	287484	448231	20.65%	1.173%
30	12.508	1794	1800	1804	rVV3	624566	1538423	70.88%	4.027%
31	12.549	1804	1807	1813	rVB2	425601	713865	32.89%	1.869%
32	12.626	1813	1820	1826	rVB2	1257551	2121158	97.73%	5.553%
33	12.708	1826	1834	1839	rBV6	449554	1188705	54.77%	3.112%
34	12.749	1839	1841	1842	rVV	176199	172338	7.94%	0.451%
35	12.785	1843	1847	1854	rVB3	646509	1317346	60.70%	3.448%
36	12.867	1854	1861	1866	rBV6	403505	1009582	46.52%	2.643%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VIBLK

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\82D090821S.M
Title : SW846 8260

37	12.949	1867	1875	1880	rVV4	894060	2103158	96.90%	5.505%
38	12.996	1880	1883	1889	rVB2	548772	883735	40.72%	2.313%
39	13.055	1889	1893	1894	rBV2	75944	104069	4.79%	0.272%
40	13.085	1894	1898	1902	rVV2	566773	845593	38.96%	2.214%
41	13.138	1902	1907	1910	rVV2	519015	1005177	46.31%	2.631%
42	13.173	1910	1913	1920	rVV2	770606	1348010	62.11%	3.529%
43	13.232	1920	1923	1927	rVB	263760	396540	18.27%	1.038%
44	13.302	1930	1935	1939	rBV	343947	473813	21.83%	1.240%
45	13.349	1939	1943	1947	rBV2	210184	299089	13.78%	0.783%
46	13.455	1953	1961	1965	rBV5	374906	866232	39.91%	2.268%
47	13.491	1965	1967	1972	rVB4	215571	296993	13.68%	0.777%
48	13.561	1973	1979	1989	rVB	1187502	2170378	100.00%	5.681%
49	13.885	2029	2034	2039	rBV2	357531	631484	29.10%	1.653%
50	13.991	2048	2052	2056	rVB5	58272	83283	3.84%	0.218%
51	14.202	2086	2088	2093	rVB5	28577	28841	1.33%	0.075%
52	14.267	2095	2099	2106	rVV8	64834	118563	5.46%	0.310%
53	14.332	2107	2110	2116	rVV8	26674	45388	2.09%	0.119%
54	14.396	2116	2121	2135	rVB7	77732	223877	10.32%	0.586%
55	14.555	2143	2148	2153	rVV8	24512	48162	2.22%	0.126%
56	14.602	2154	2156	2166	rVB10	18490	40476	1.86%	0.106%
57	15.532	2308	2314	2322	rVB3	22394	47329	2.18%	0.124%

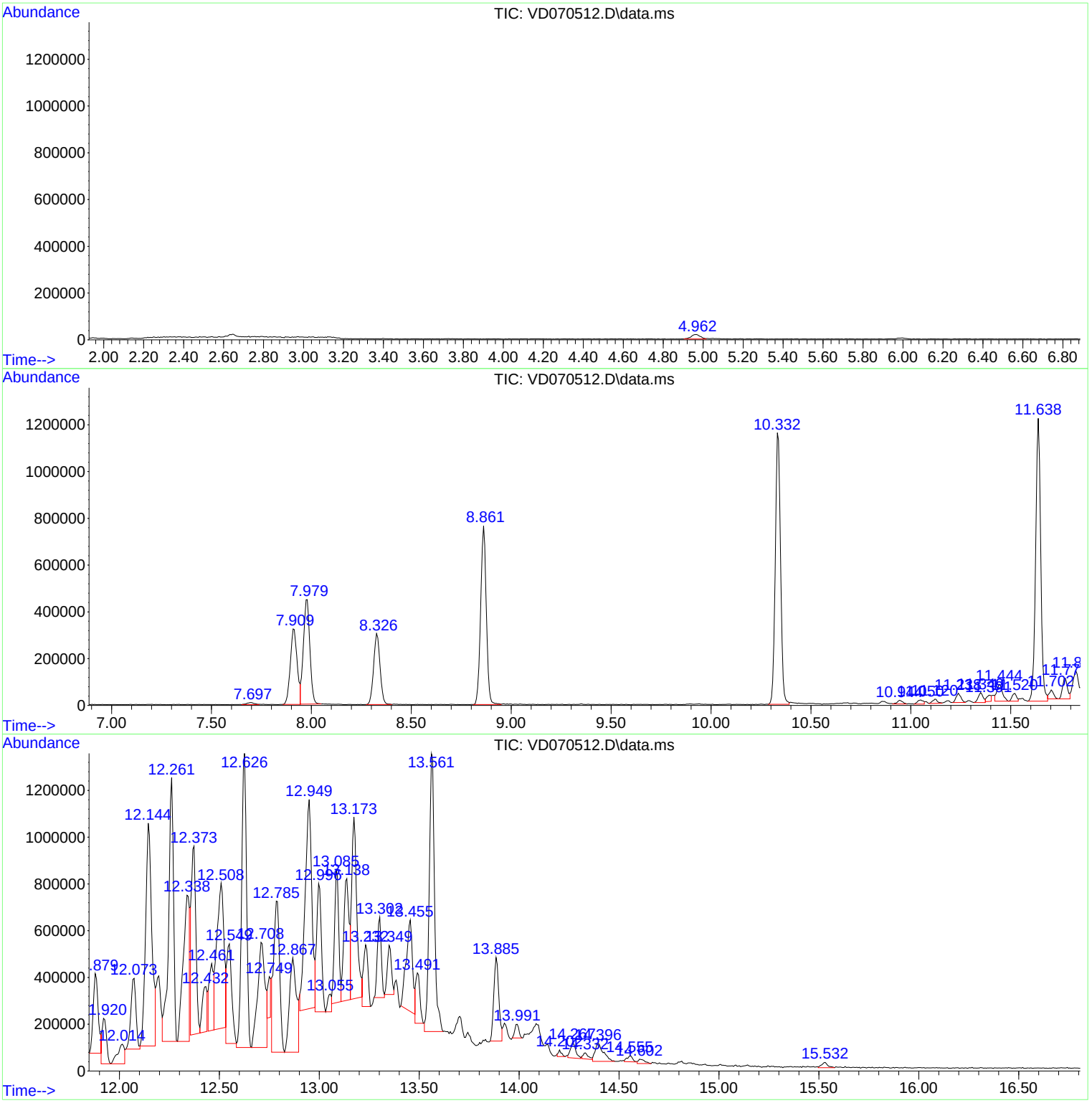
Sum of corrected areas: 38201425

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

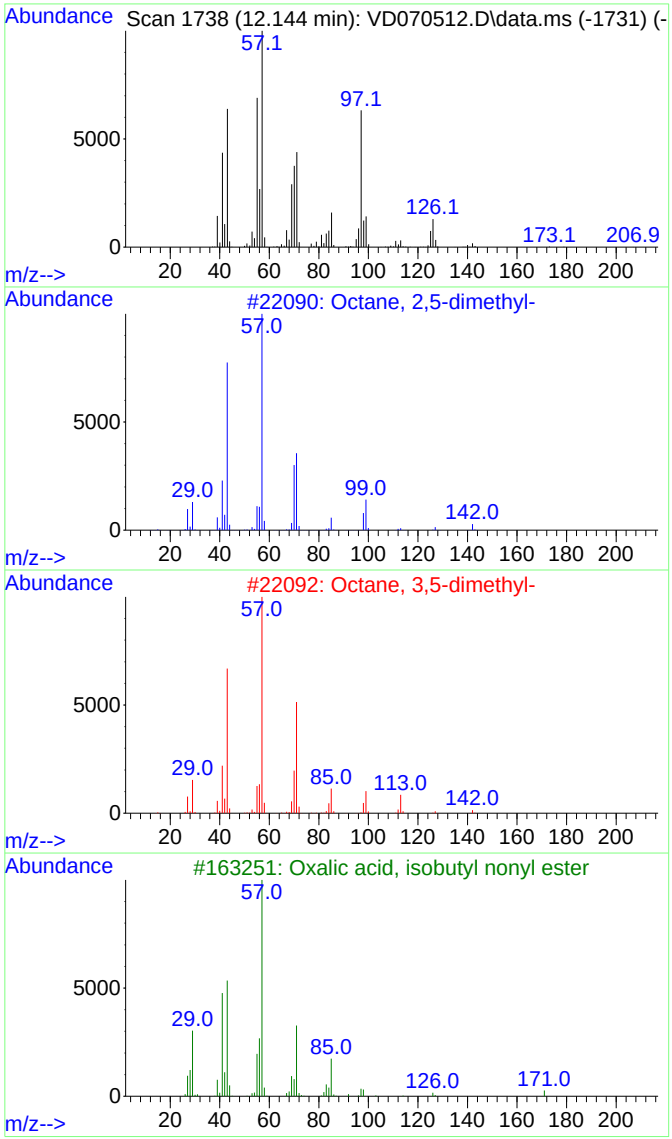
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

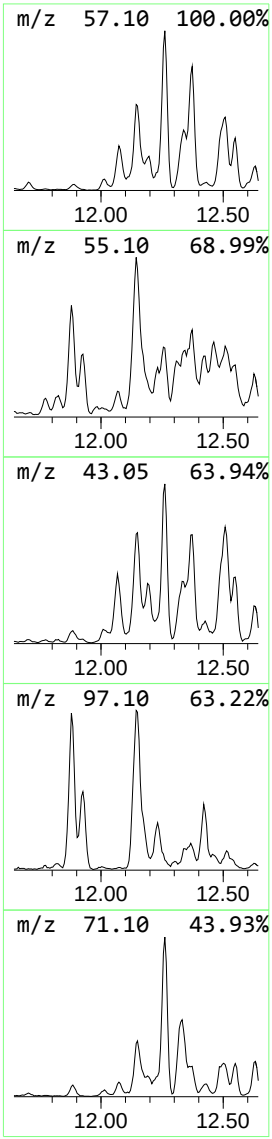
****

Peak Number 1 unknown12.144 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.144	48.56 ug/l	2073770	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	46
3	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	46
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VIBLK

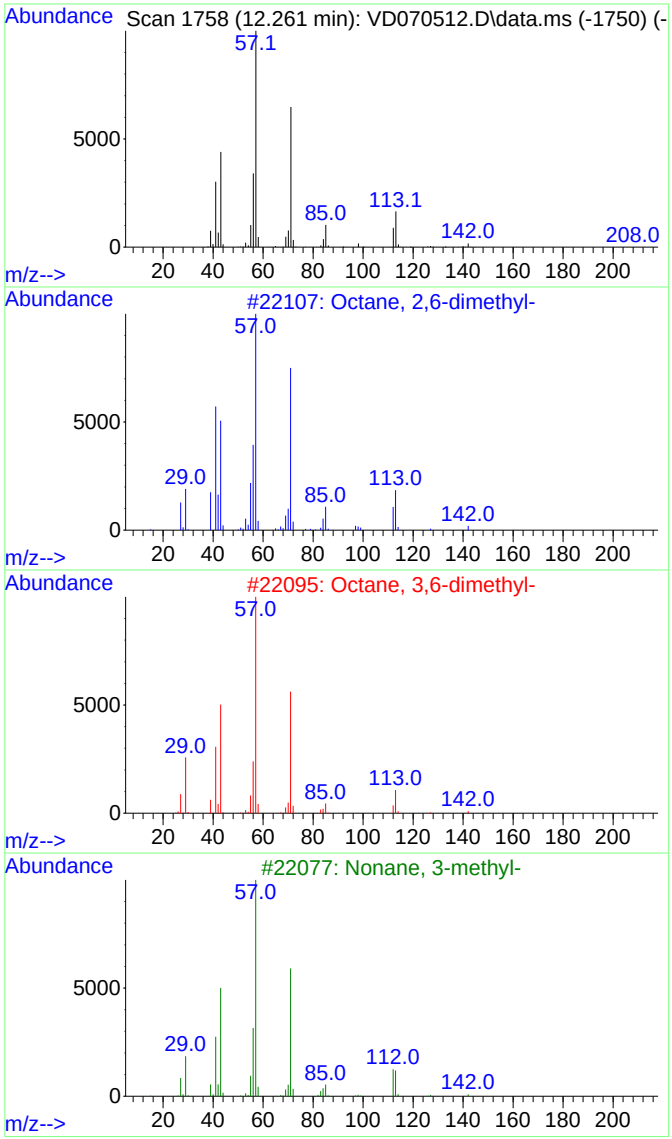
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

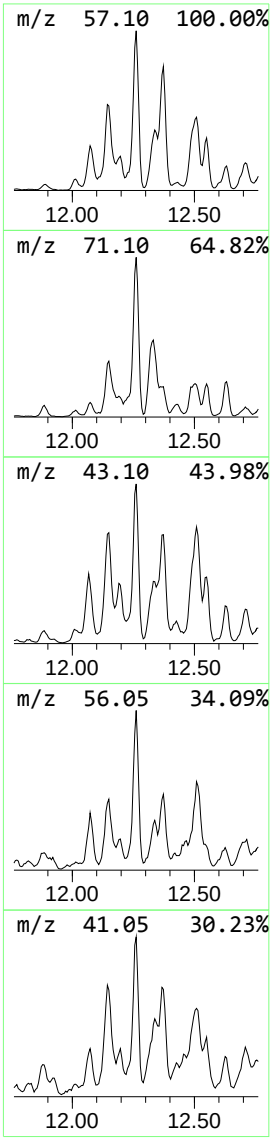
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	44.53 ug/l	1901440	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	80
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

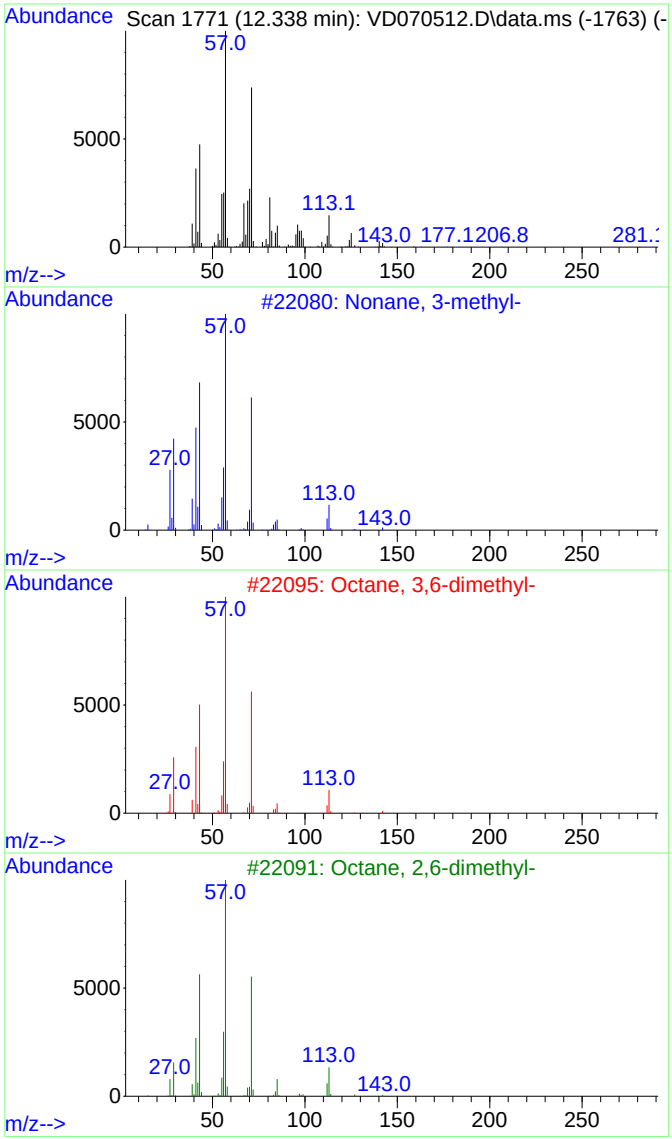
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

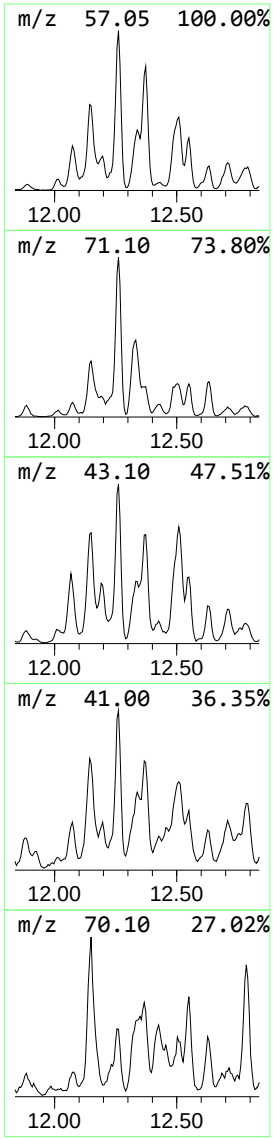
****

Peak Number 3 Nonane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.338	31.97 ug/l	1365250	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
4	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	50
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

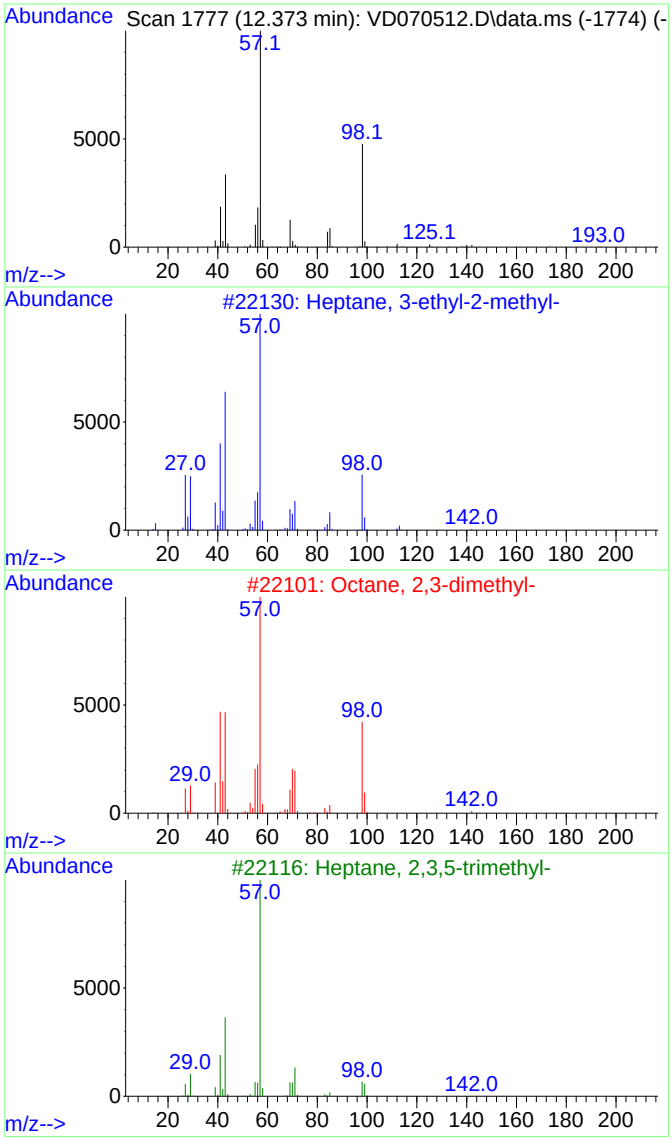
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

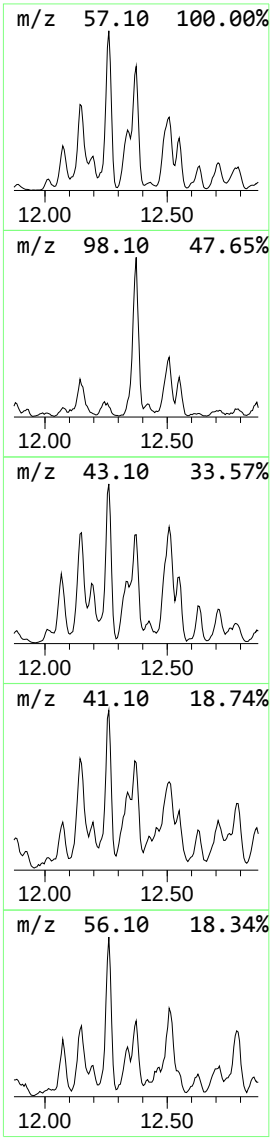
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 3-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.373	28.14 ug/l	1201700	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	56
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	56
3	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	28
4	1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	28
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

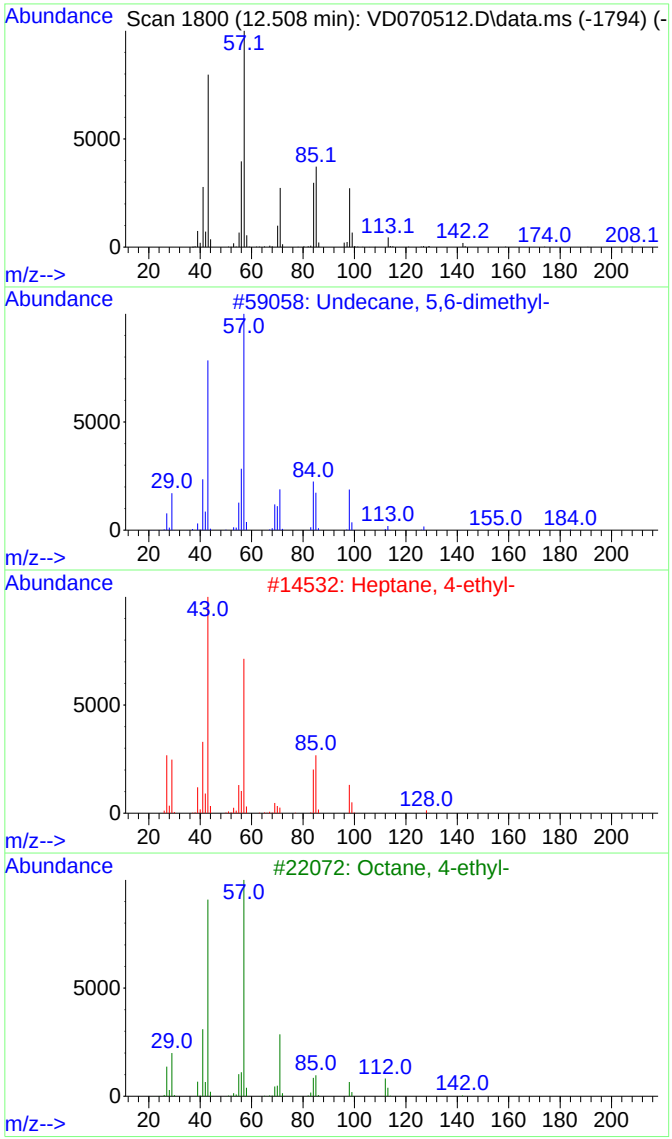
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

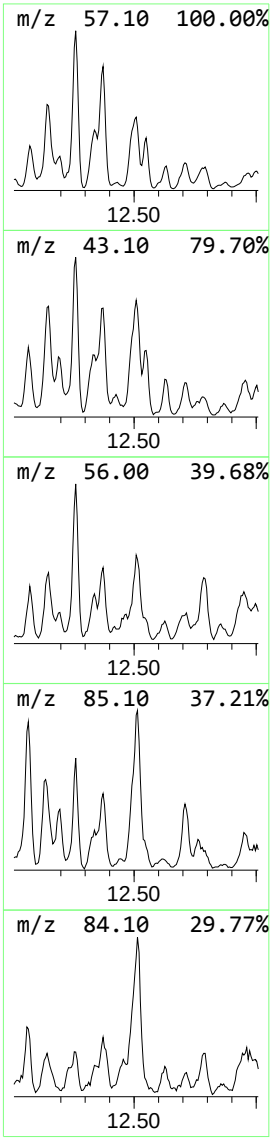
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Undecane, 5,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.508	36.03 ug/l	1538420	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	43
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

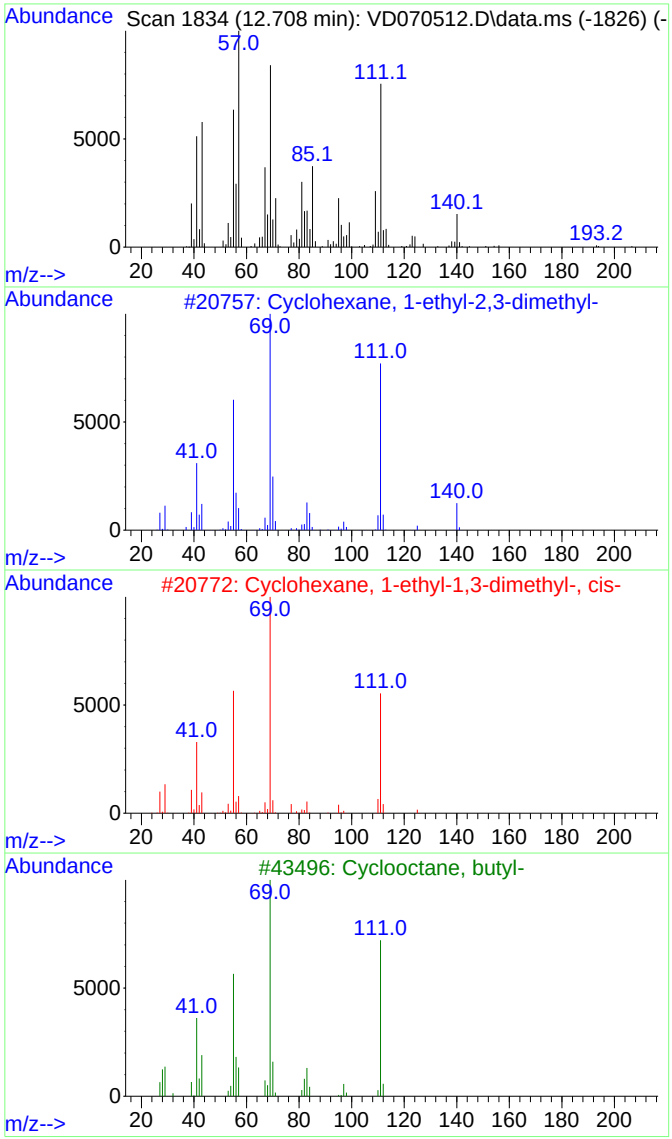
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

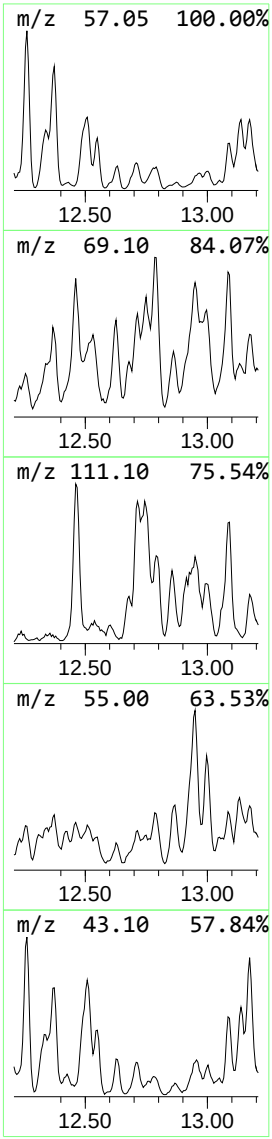
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.708 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.708	27.38 ug/l	1188710	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	49
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	43
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	43
4	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	43
5	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

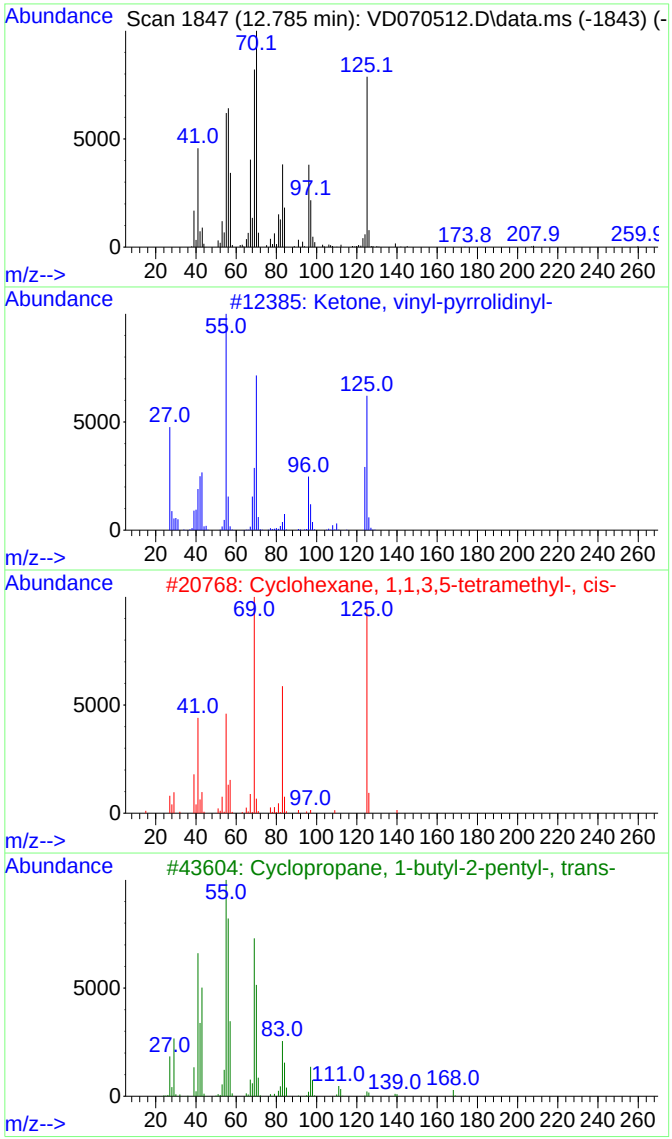
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

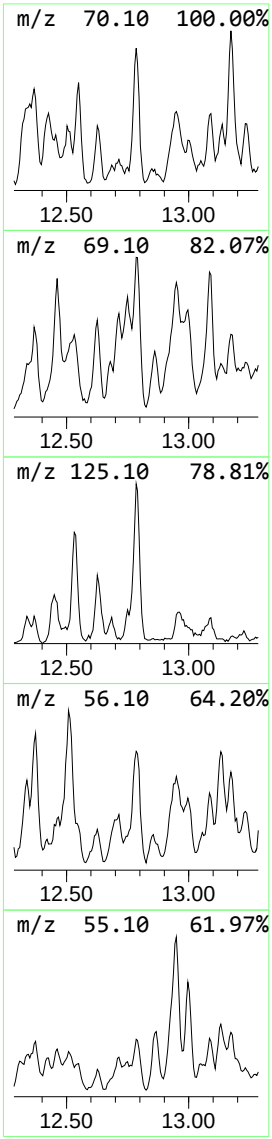
****

Peak Number 7 unknown12.785 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.785	30.35 ug/l	1317350	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	43
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
3	Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-87-9	35
4	Carbonochloridic acid, heptyl ester	178	C8H15ClO2	033758-34-8	35
5	Cyclooctane, methyl-	126	C9H18	001502-38-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

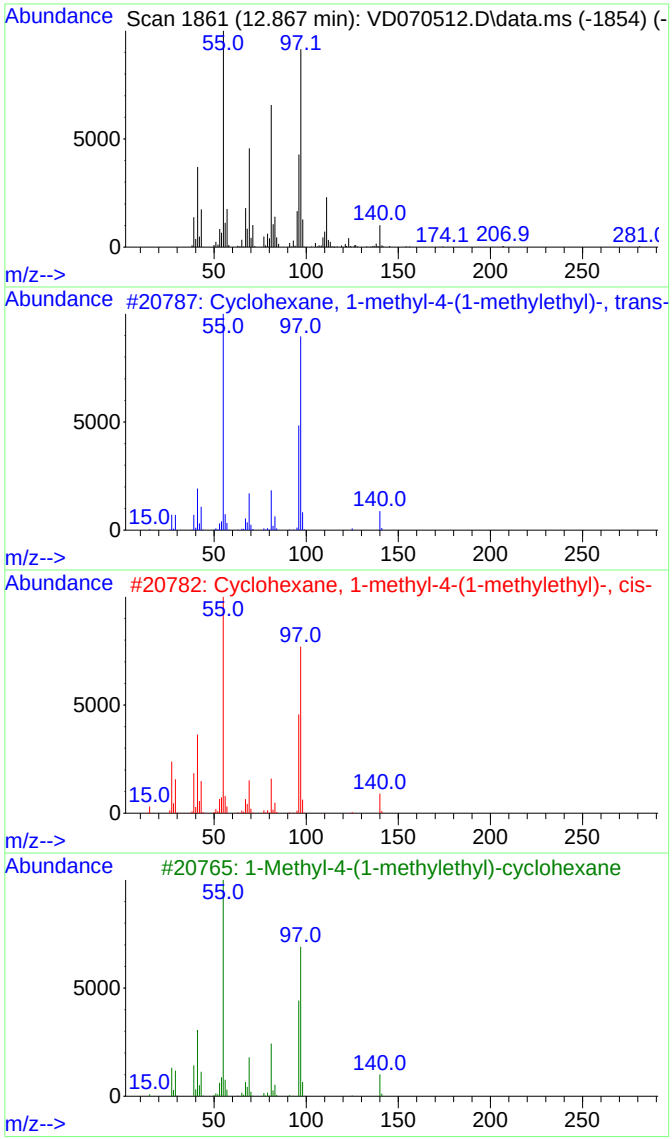
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

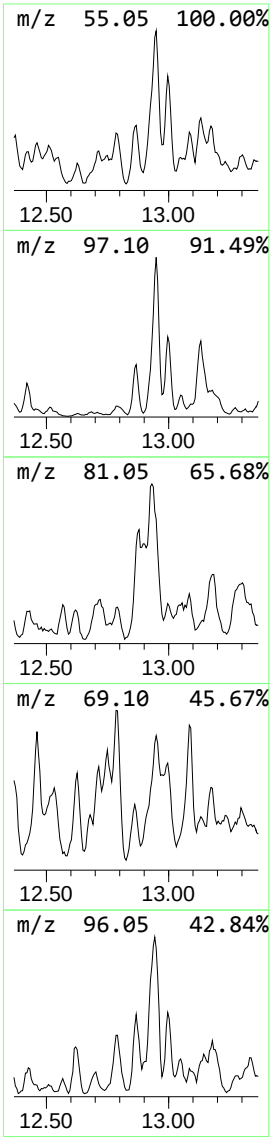
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	23.26 ug/l	1009580	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	72
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	64
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	59
5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

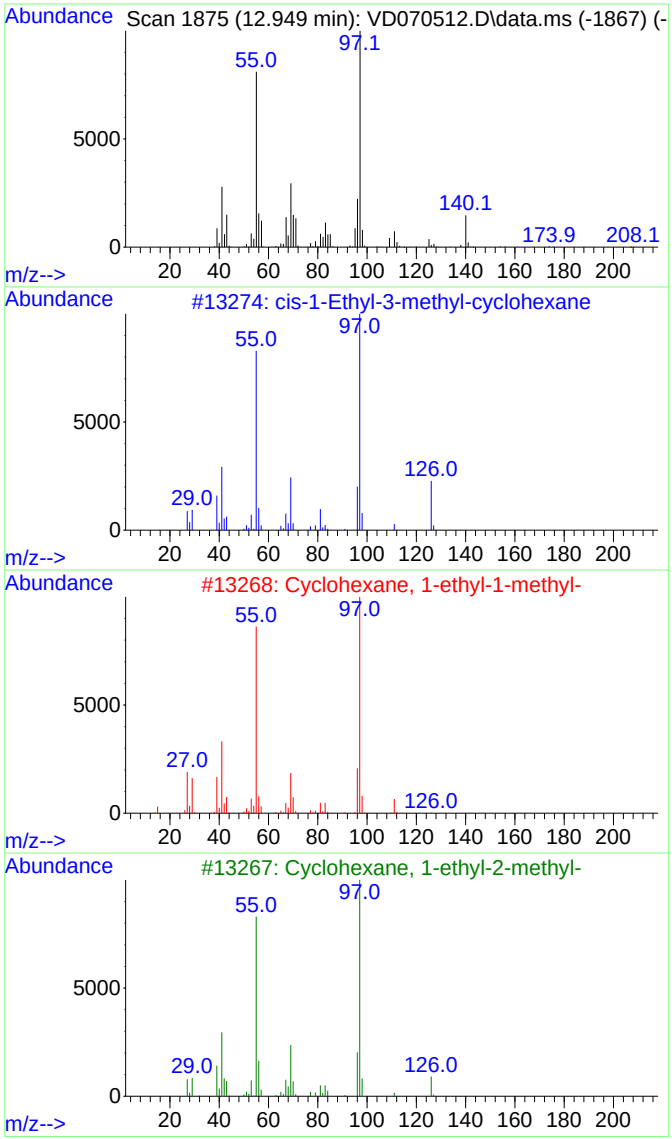
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

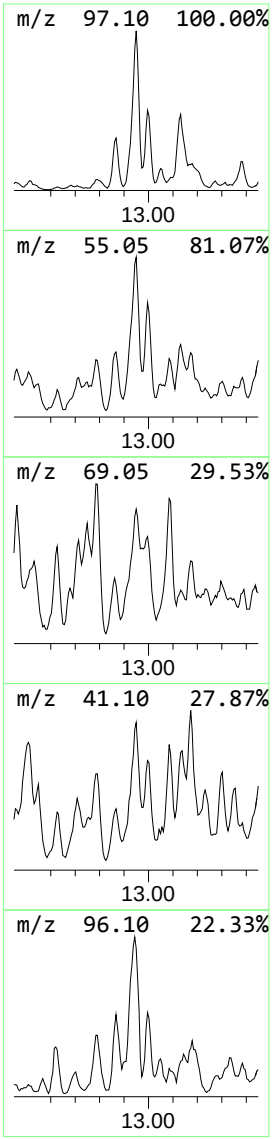
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 cis-1-Ethyl-3-methyl-cycloh... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.949	48.45 ug/l	2103160	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
4	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	58
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VIBLK

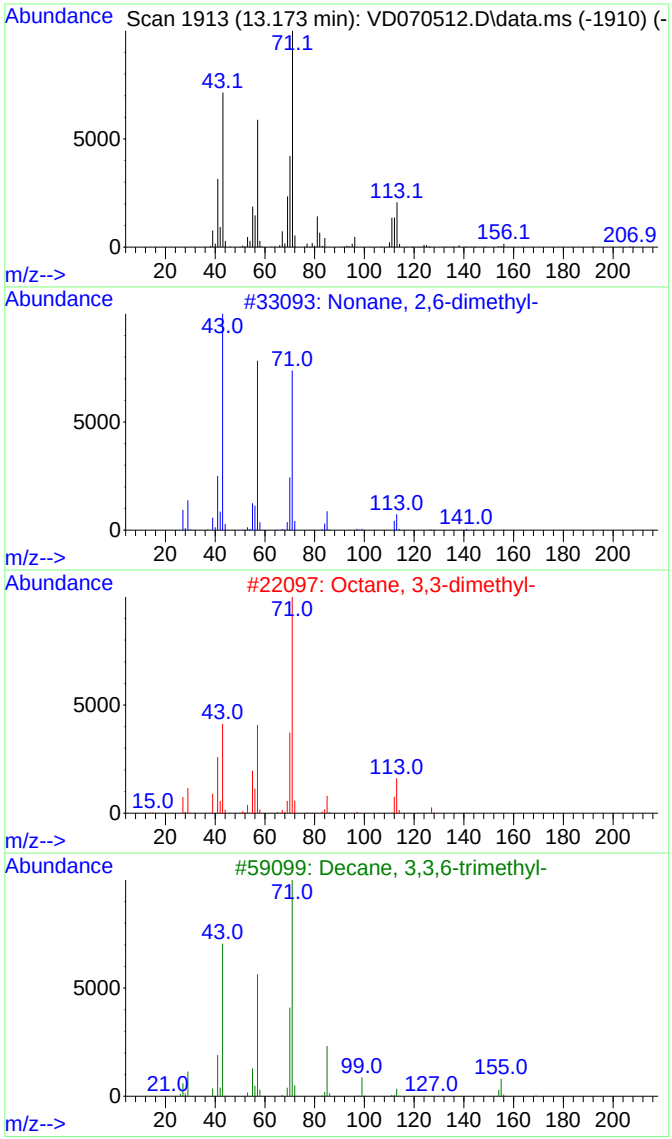
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

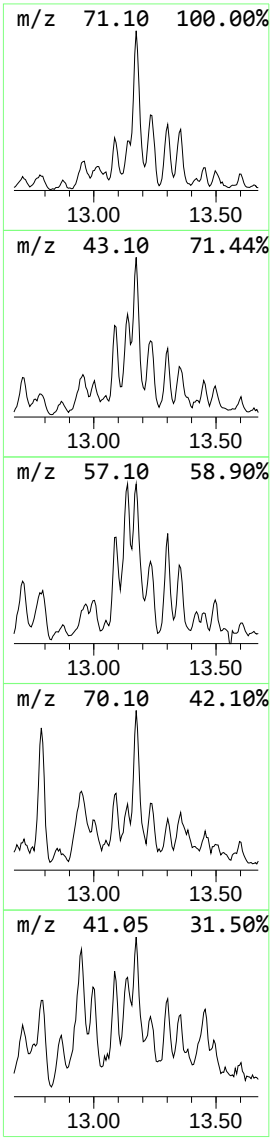
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Nonane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.173	31.05 ug/l	1348010	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	68
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070512.D
Acq On : 28 Sep 2021 19:45
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown12.144	12.144	48.6	ug/l	2073770	3	11.638	2135110	50.0
Octane, 2,6-dim...	12.261	44.5	ug/l	1901440	3	11.638	2135110	50.0
Nonane, 3-methyl-	12.338	32.0	ug/l	1365250	3	11.638	2135110	50.0
Heptane, 3-ethy...	12.373	28.1	ug/l	1201700	3	11.638	2135110	50.0
Undecane, 5,6-d...	12.508	36.0	ug/l	1538420	3	11.638	2135110	50.0
unknown12.708	12.708	27.4	ug/l	1188710	4	13.561	2170380	50.0
unknown12.785	12.785	30.4	ug/l	1317350	4	13.561	2170380	50.0
Cyclohexane, 1-...	12.867	23.3	ug/l	1009580	4	13.561	2170380	50.0
cis-1-Ethyl-3-m...	12.949	48.5	ug/l	2103160	4	13.561	2170380	50.0
Nonane, 2,6-dim...	13.173	31.1	ug/l	1348010	4	13.561	2170380	50.0