LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

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: VD070511.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.861	1169	1180	1190	rBV	691045	1386602	1.08%	0.075%
2	10.332	1423	1430	1445	rBV	1417859	2840414	2.22%	0.154%
3	10.950	1527	1535	1542	rVB	1074223	1960842	1.53%	0.106%
4	11.050	1542	1552	1559	rBV	1171694	2625114	2.05%	0.142%
5	11.120	1559	1564	1570	rBV	1152233	1827776	1.43%	0.099%
6	11.238	1579	1584	1590	rVB	2688426	4613017	3.60%	0.250%
7	11.349	1597	1603	1607	rBV2	2909490	5054105	3.94%	0.274%
8	11.397	1607	1611	1612	rVV	1258969	1629822	1.27%	0.088%
9	11.444	1615	1619	1627	rVB	5327879	10756856	8.40%	0.583%
10	11.520	1627	1632	1636	rBV2	2511873	4148898	3.24%	0.225%
11	11.620	1643	1649	1656	rBV2	2398751	5758252	4.49%	0.312%
12	11.708	1660	1664	1669	rVB	2276533	3501614	2.73%	0.190%
13	11.773	1669	1675	1679	rBV	6258691	10684920	8.34%	0.579%
14	11.826	1679	1684	1688	rBV3	6786057	11862557	9.26%	0.643%
15	11.885	1688	1694	1698	rBV2	21889223	39753829	31.03%	2.154%
16	11.926	1698	1701	1707	rVB2	12454642	19827549	15.47%	1.074%
17	11.991	1707	1712	1713	rBV2	2700205	4319231	3.37%	0.234%
18	12.020	1713	1717	1719	rBV	2953869	4376590	3.42%	0.237%
19	12.073	1721	1726	1731	rVB2	17779979	30076087	23.47%	1.630%
20	12.149	1731	1739	1745	rBV3	54388333	128126539	100.00%	6.943%
21	12.202	1745	1748	1751	rVV	11864173	15846619	12.37%	0.859%
22	12.267	1751	1759	1764	rVB3	49754874	94596965	73.83%	5.126%
23	12.349	1764	1773	1775	rBV4	39449886	88513416	69.08%	4.796%
24	12.379	1775	1778	1783	rVB	41428443	65803095	51.36%	3.566%
25	12.432	1783	1787	1790	rBV3	10968507	20263879	15.82%	1.098%
26	12.473	1790	1794	1795	rVV3	11846020	17596881	13.73%	0.954%
27	12.514	1795	1801	1805	rVV4	31613746	77841486	60.75%	4.218%
28	12.555	1806	1808	1815	rVB3	29385179	42832634	33.43%	2.321%
29	12.632	1815	1821	1826	rVB2	23596032	42693823	33.32%	2.314%
30	12.720	1826	1836	1840	rBV3	32265110	87052206	67.94%	4.717%
31	12.761	1840	1843	1844	rVV2	7717472	9196286	7.18%	0.498%
32	12.796	1844	1849	1855	rVB2	46480927	95233569	74.33%	5.161%
33	12.873	1855	1862	1867	rBV6	30024367	75039798	58.57%	4.066%
34	12.955	1868	1876	1881	rBV5	51016356	124260773	96.98%	6.734%
35	13.008	1881	1885	1890	rVB4	39127584	65101944	50.81%	3.528%
36	13.055	1890	1893	1895	rBV2	5874066	8072042	6.30%	0.437%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

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	13.091	1895	1899	1903	rBV2	38922096	58479225	45.64%	3.169%
38	13.144	1903	1908	1911	rVV2	32548962	60332311	47.09%	3.269%
39	13.179	1911	1914	1921	rVV2	49022485	85256731	66.54%	4.620%
40	13.238	1921	1924	1929	rVB3	19371352	31397439	24.51%	1.701%
41	13.308	1931	1936	1940	rBV2	29526216	43873687	34.24%	2.377%
42	13.355	1940	1944	1948	rBV2	18023096	26914033	21.01%	1.458%
43	13.461	1954	1962	1965	rBV4	31913622	74689335	58.29%	4.047%
44	13.496	1965	1968	1973	rVB3	21669806	32164963	25.10%	1.743%
45	13.602	1982	1986	1990	rVB3	9322578	13296297	10.38%	0.721%
46	13.708	1998	2004	2008	rVB5	8386485	16733233	13.06%	0.907%
47	13.891	2029	2035	2040	rBV	38321662	70693144	55.17%	3.831%
48	13.991	2048	2052	2056	rBV3	7998233	11289467	8.81%	0.612%
49	14.032	2056	2059	2068	rBV8	4187894	12574820	9.81%	0.681%
50	14.202	2084	2088	2094	rBV4	4376107	7412465	5.79%	0.402%
51	14.273	2094	2100	2106	rVV3	8940538	16283562	12.71%	0.882%
52	14.326	2106	2109	2115	rVV5	3441461	6745294	5.26%	0.366%
53	14.396	2116	2121	2137	rVB4	11921537	31110141	24.28%	1.686%
54	14.555	2141	2148	2153	rVV4	3756161	7502641	5.86%	0.407%
55	14.608	2153	2157	2165	rVB3	2267554	5622076	4.39%	0.305%
56	14.749	2178	2181	2187	rBV4	844739	1533253	1.20%	0.083%
57	14.808	2188	2191	2195	rVV3	1415745	2717864	2.12%	0.147%
58	14.855	2196	2199	2206	rVB4	1895988	3694305	2.88%	0.200%

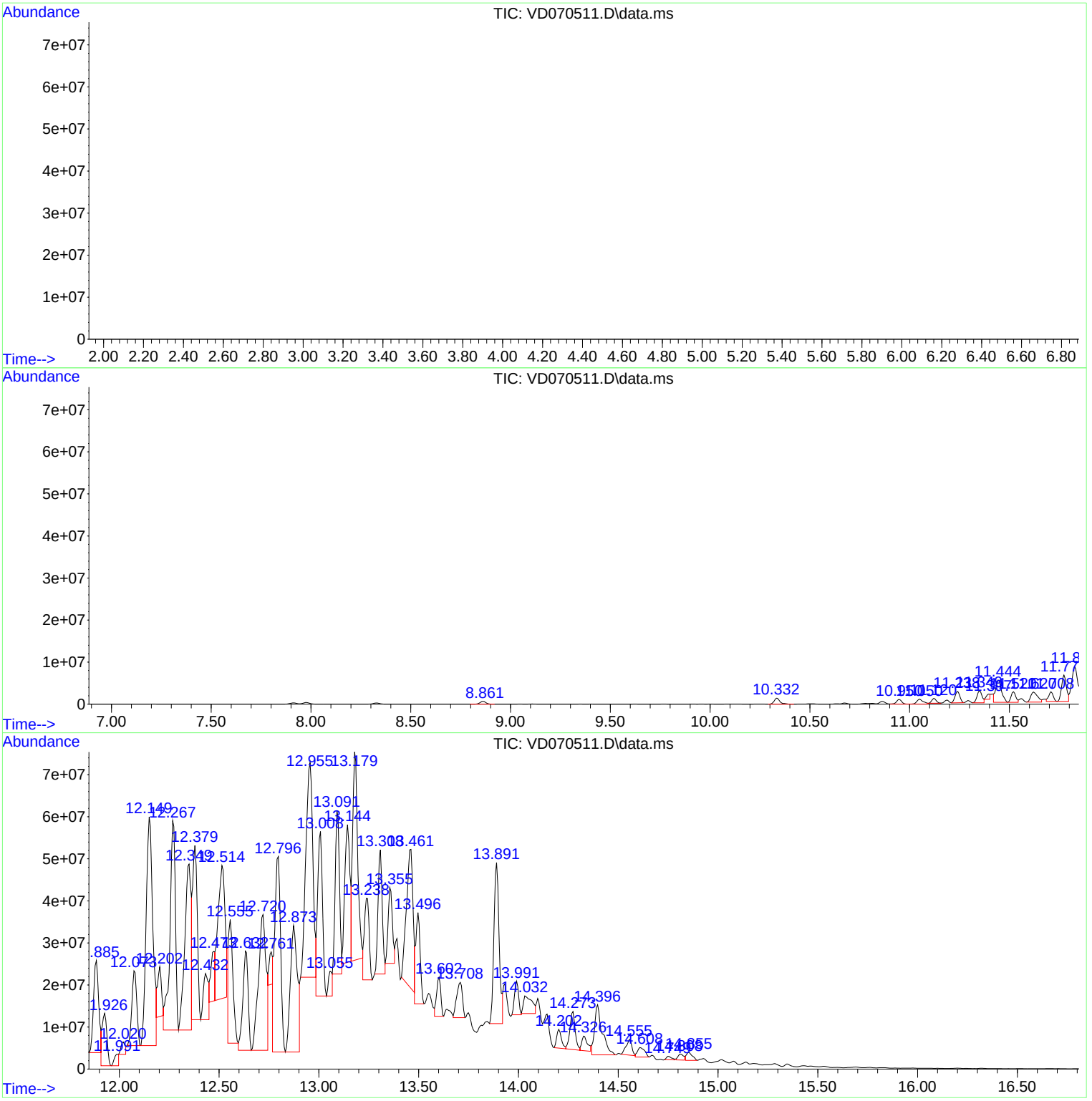
Sum of corrected areas: 1845392316

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

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 : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

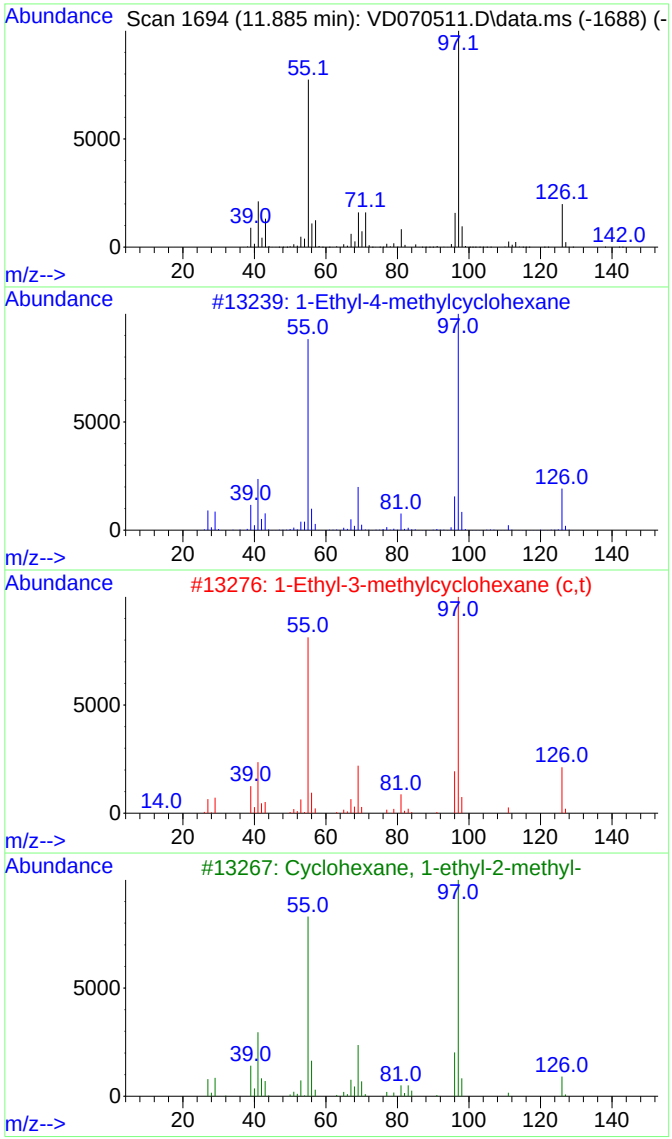
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

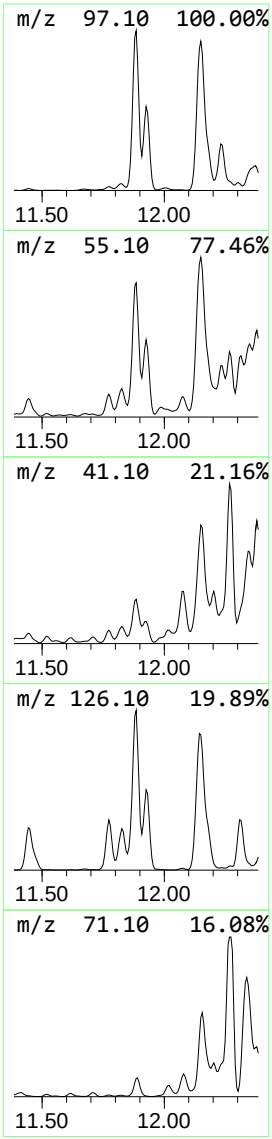
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.885	345.19 ug/l	39753800	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	93
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	81
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

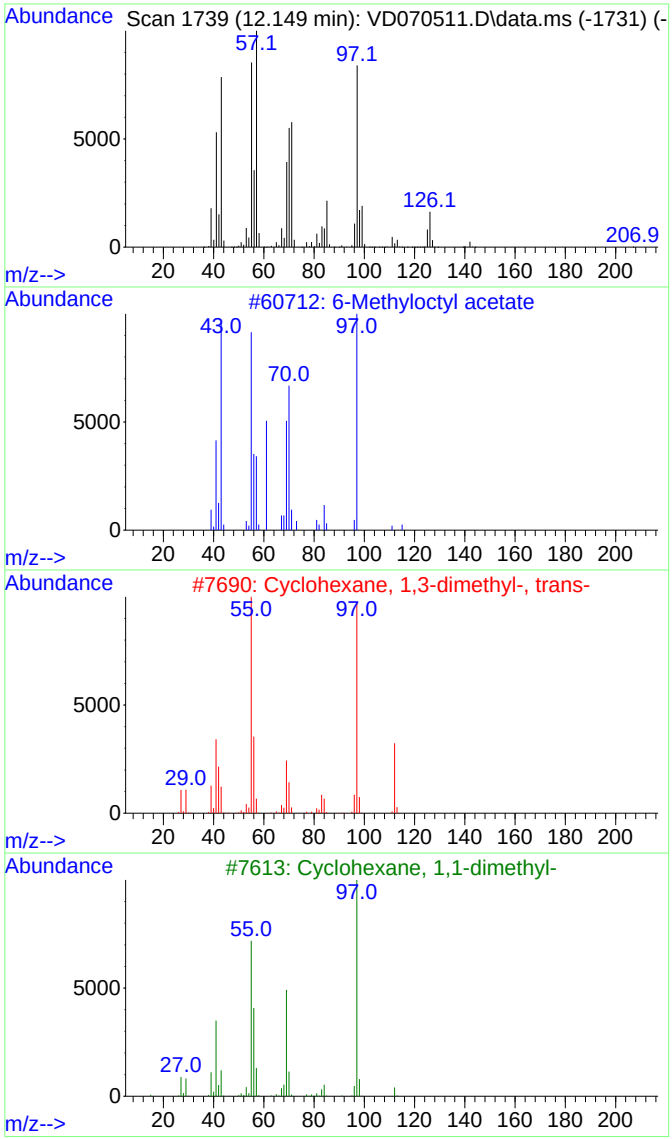
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

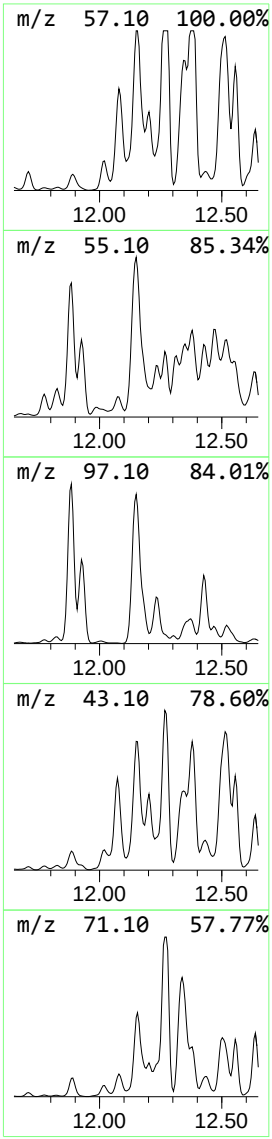
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 unknown12.149 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.149	1112.55 ug/l	128127000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyloctyl acetate	186	C11H22O2	1000439-66-5	46
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	38
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	38
4	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	30
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

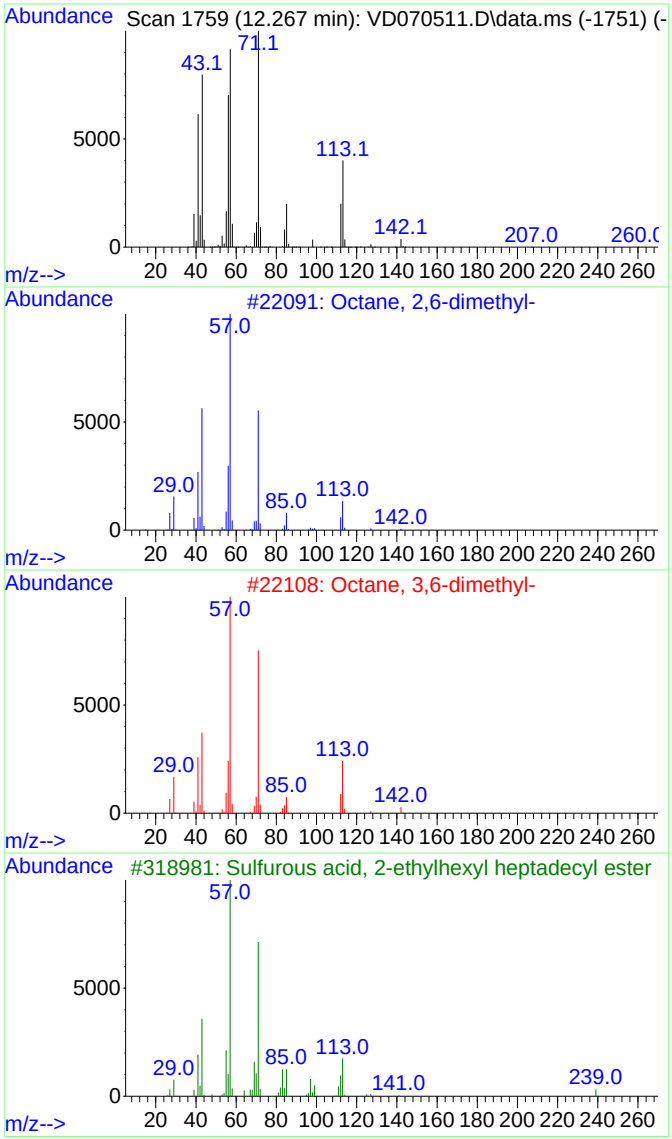
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

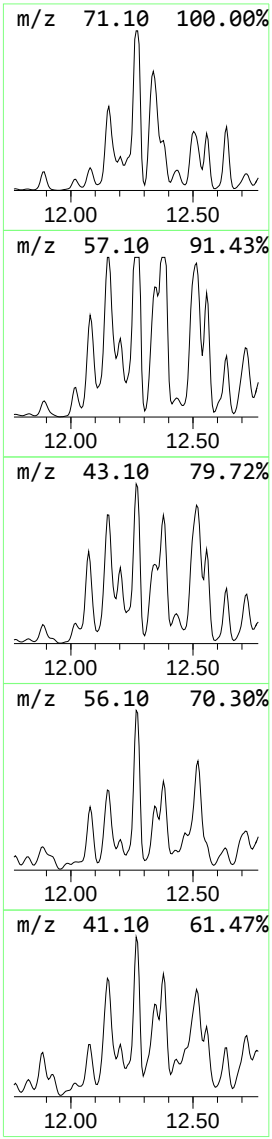
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	821.40 ug/l	94597000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58
3	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	53
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
5	3-Bromooctane	192	C8H17Br	000999-64-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

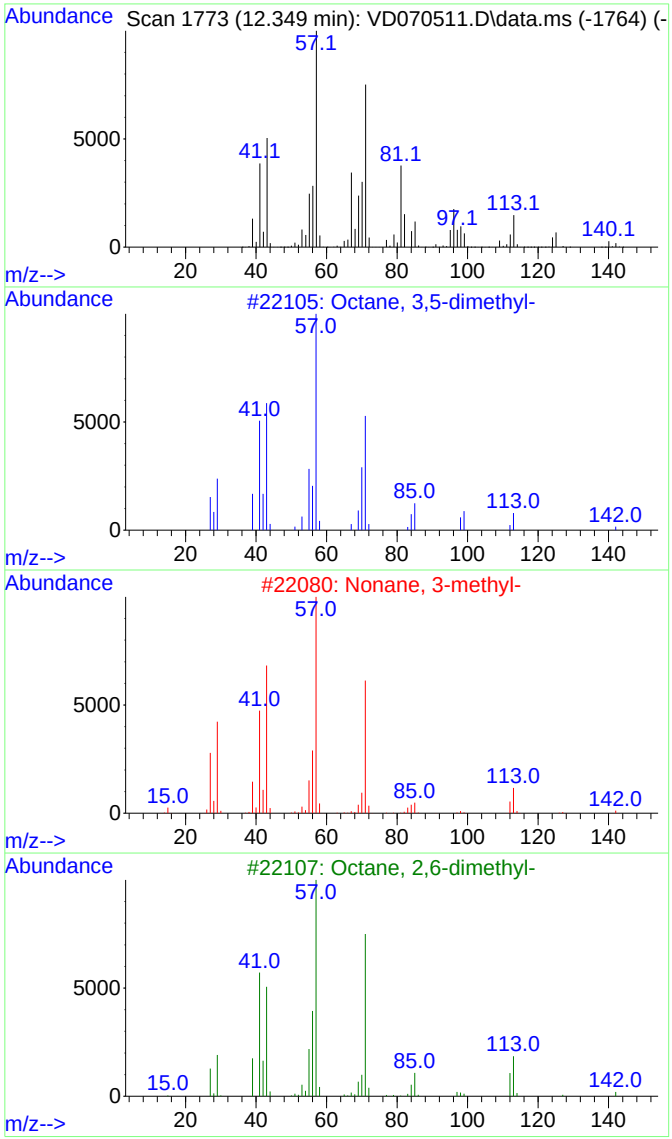
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

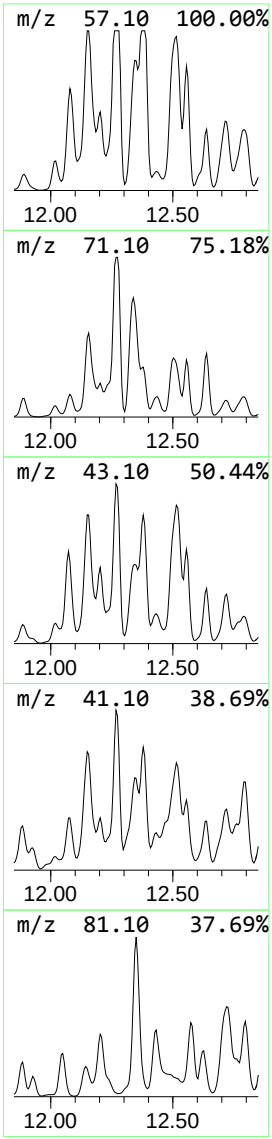
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Octane, 3,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.349	768.58 ug/l	88513400	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	81
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	62
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	62
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

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

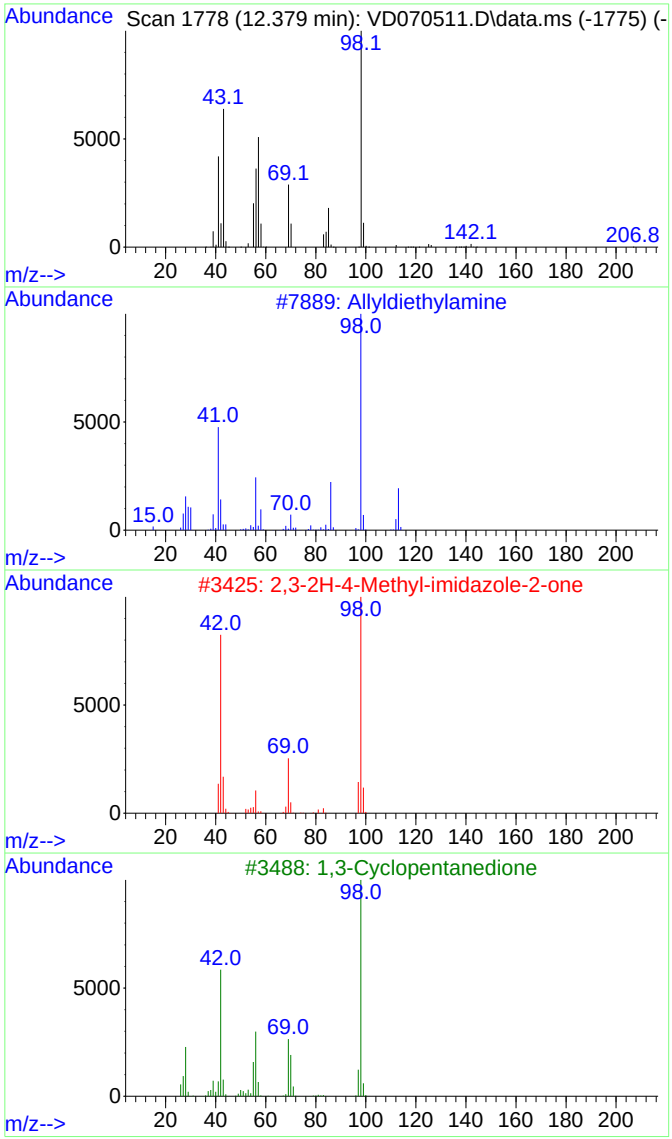
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

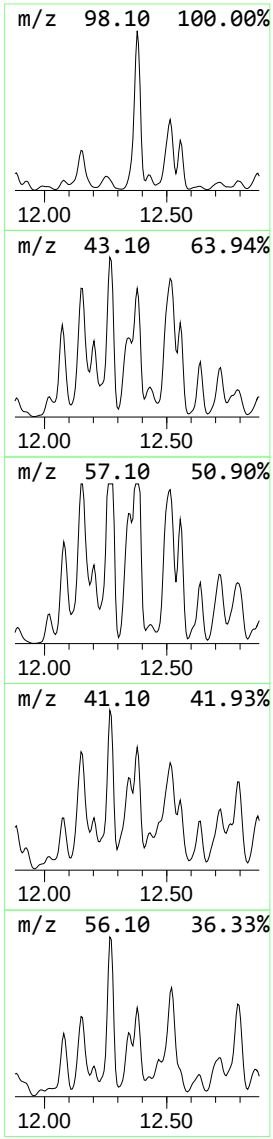
****

Peak Number 5 Allyldiethylamine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.379	571.38 ug/l	65803100	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyldiethylamine	113	C7H15N	005666-17-1	56
2	2,3-2H-4-Methyl-imidazole-2-one	98	C4H6N2O	039799-77-4	50
3	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	50
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	38
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	22





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Operator : VA/SY
Sample : M3938-05
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

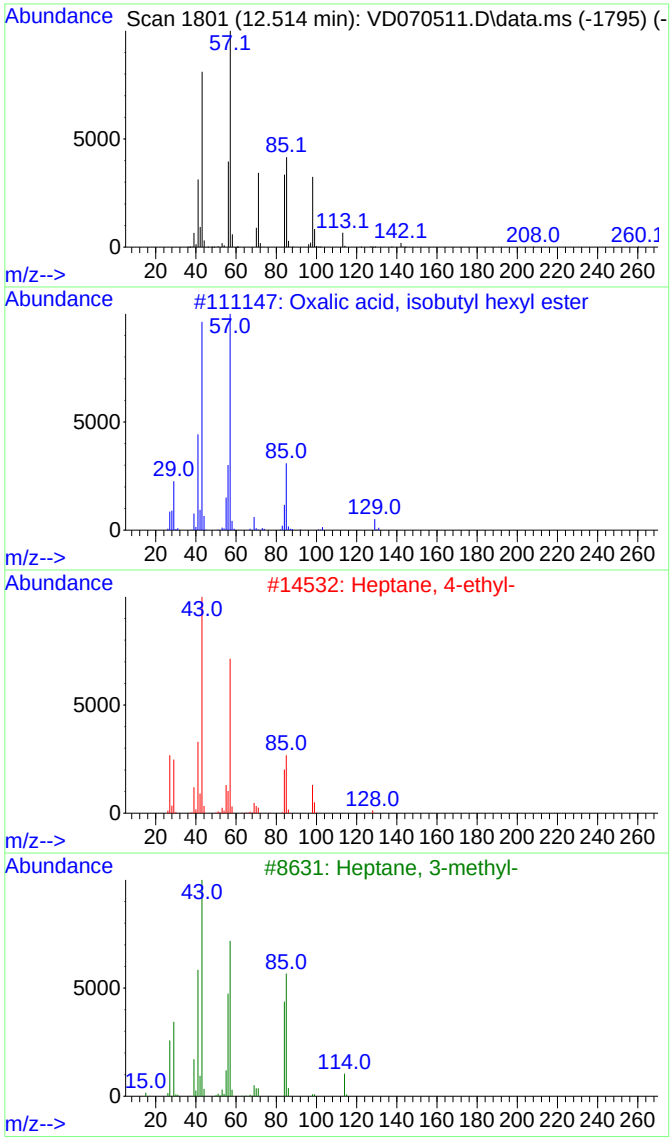
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

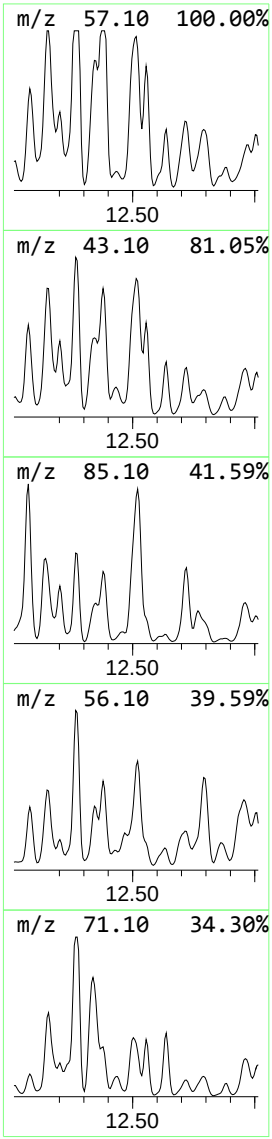
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Oxalic acid, isobutyl hexyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.514	675.91 ug/l	77841500	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	53
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	53
4	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

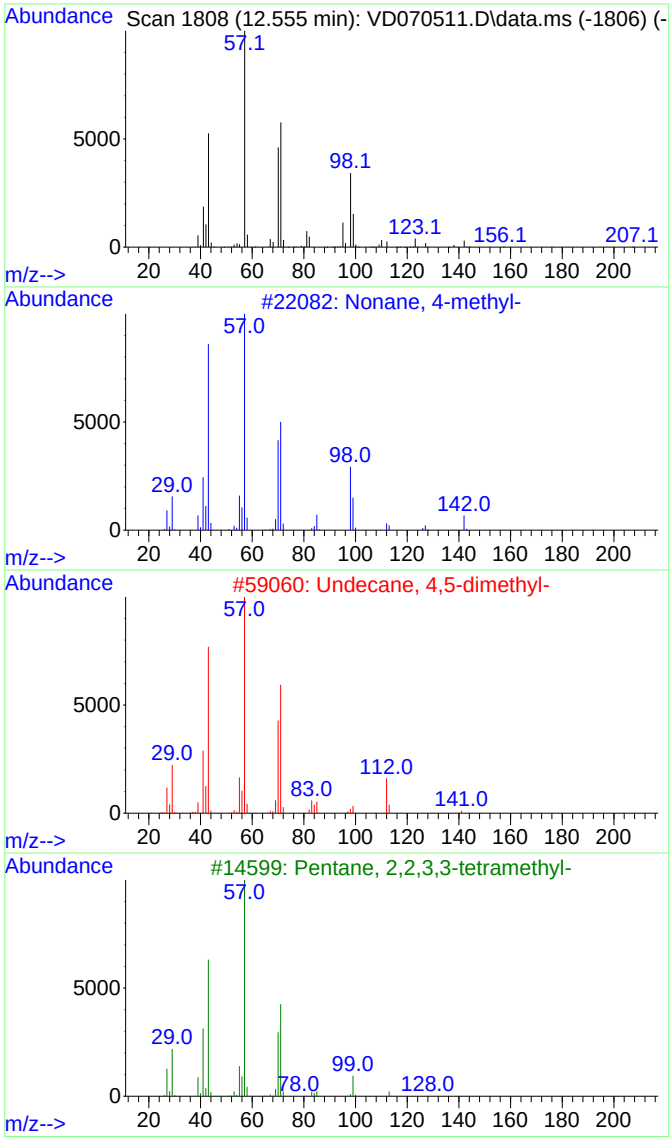
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

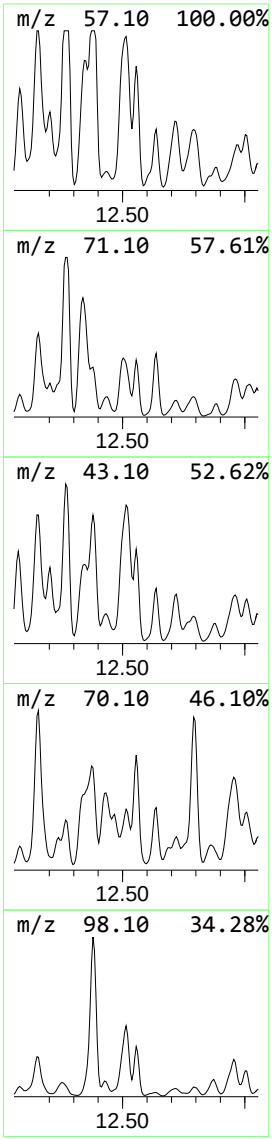
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Nonane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.555	371.92 ug/l	42832600	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
2	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	53
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

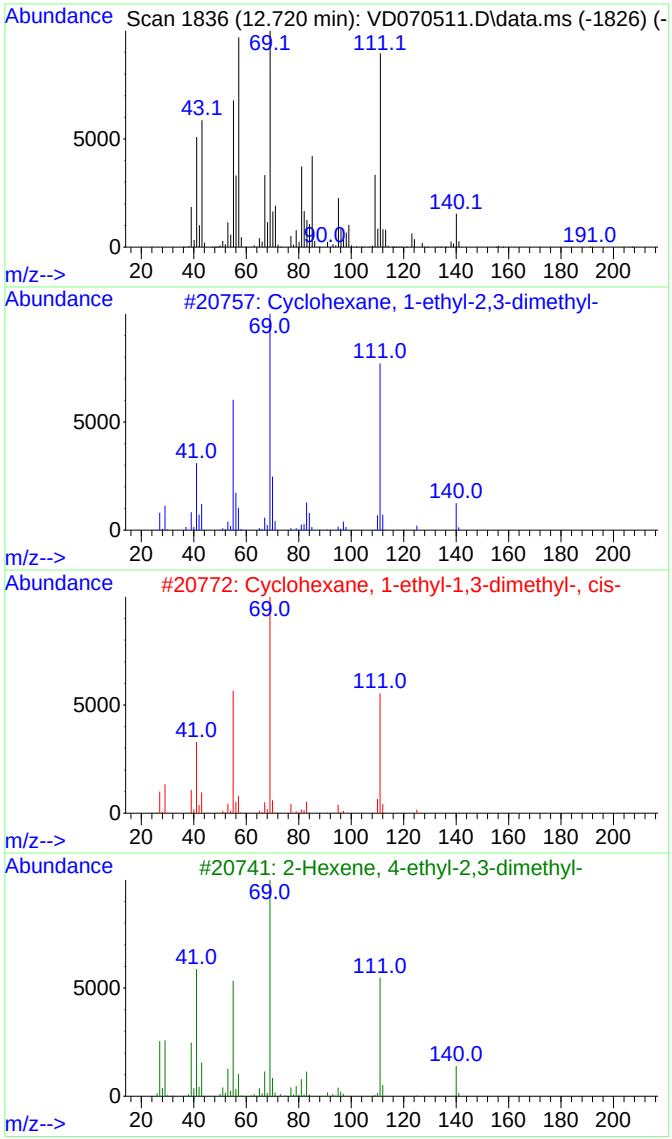
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

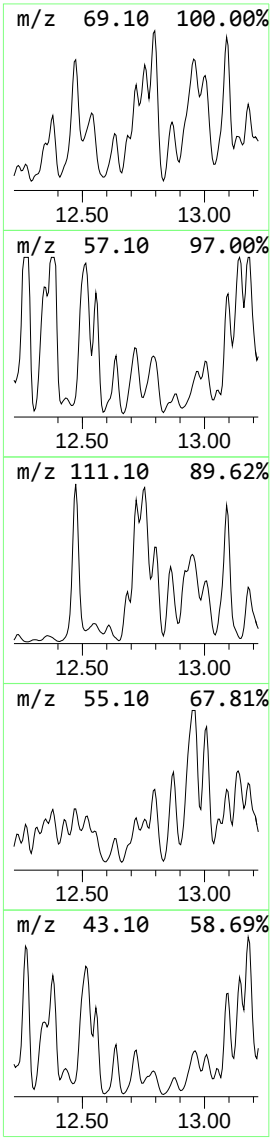
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexane, 1-ethyl-2,3-di... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.720	327.36 ug/l	87052200	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	55
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	43
3	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38
4	2-Octene, 2,7-dimethyl-	140	C10H20	002050-81-9	25
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-08(6-8)

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

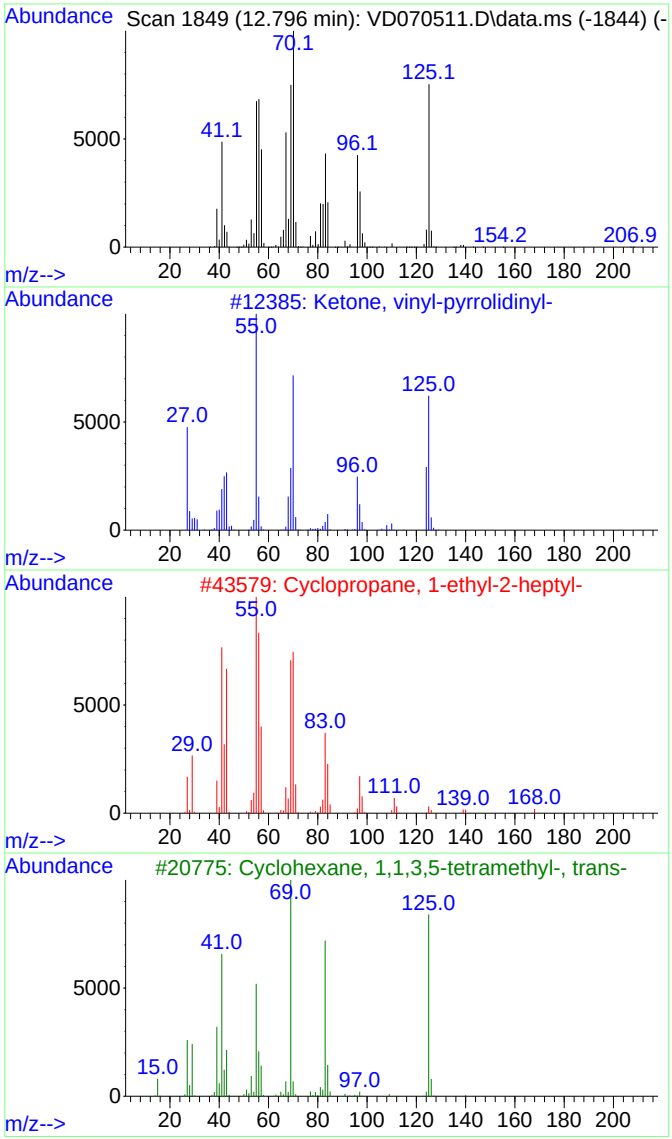
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

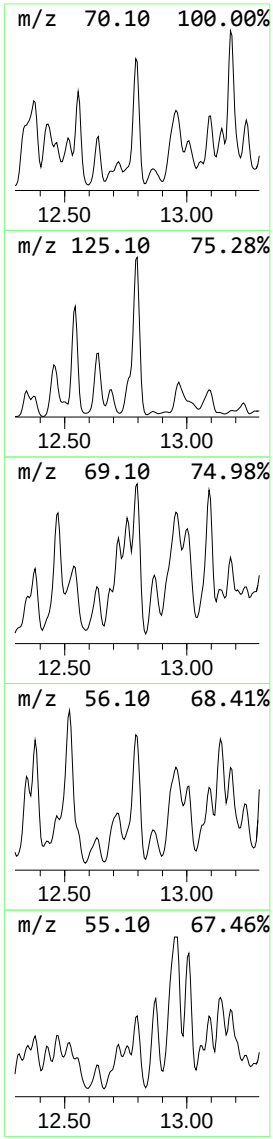
****

Peak Number 9 unknown12.797 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.797	358.12 ug/l	95233600	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	38
2	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	38
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	35
4	3-Pyrrolidin-2-yl-propionic acid	143	C7H13NO2	1000193-88-0	35
5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

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

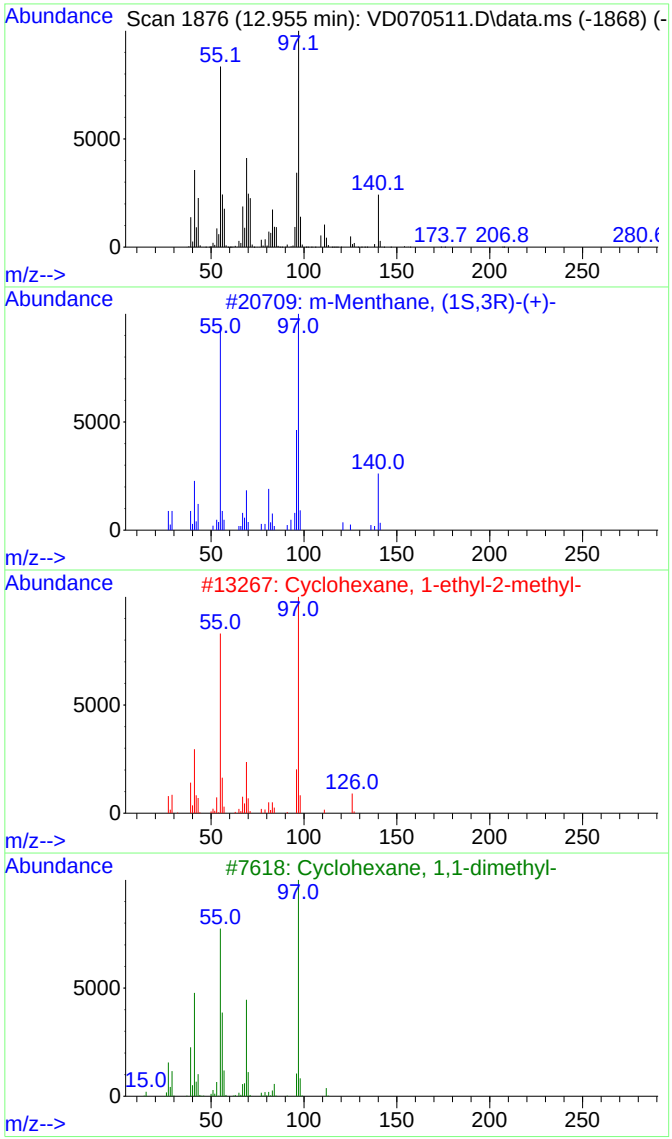
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

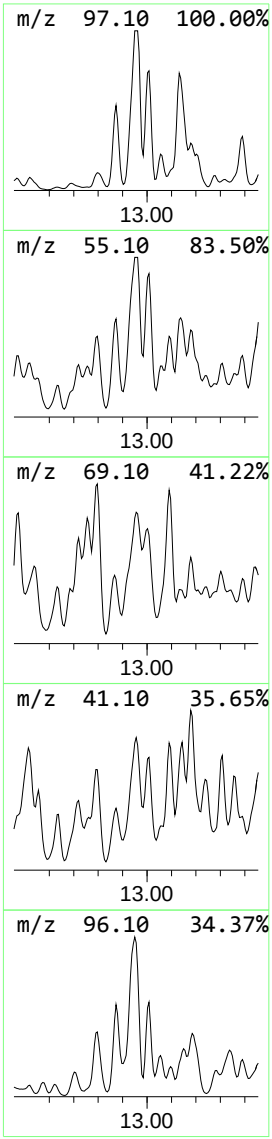
****

Peak Number 10 m-Menthane, (1S,3R)-(+)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.955	467.28 ug/l	124261000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	58
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	47
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
4	Thiophene, 2-butyl-	140	C8H12S	001455-20-5	43
5	Cyclopentanepropanoic acid, 2-me...	184	C10H16O3	092486-10-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
Data File : VD070511.D
Acq On : 28 Sep 2021 19:17
Operator : VA/SY
Sample : M3938-05
Misc : 6.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SUB-SLAB-08(6-8)

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
1-Ethyl-4-methy...	11.885	345.2	ug/l	39753800	3	11.638	5758250	50.0
unknown12.149	12.149	1112.6	ug/l	128127000	3	11.638	5758250	50.0
Octane, 2,6-dim...	12.267	821.4	ug/l	94597000	3	11.638	5758250	50.0
Octane, 3,5-dim...	12.349	768.6	ug/l	88513400	3	11.638	5758250	50.0
Allyldiethylamine	12.379	571.4	ug/l	65803100	3	11.638	5758250	50.0
Oxalic acid, is...	12.514	675.9	ug/l	77841500	3	11.638	5758250	50.0
Nonane, 4-methyl-	12.555	371.9	ug/l	42832600	3	11.638	5758250	50.0
Cyclohexane, 1-...	12.720	327.4	ug/l	87052200	4	13.567	13296300	50.0
unknown12.797	12.797	358.1	ug/l	95233600	4	13.567	13296300	50.0
m-Menthane, (1S...	12.955	467.3	ug/l	124261000	4	13.567	13296300	50.0