LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
Data File : VY008484.D
Acq On : 25 Apr 2022 16:04
Operator : KP/MD
Sample : N2548-04
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

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_Y\methods\82Y042122S.M
Title : SW846 8260

Signal : TIC: VY008484.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.113	46	48	51	rBV2	343	397	1.44%	0.108%
2	2.540	117	118	121	rVB	371	311	1.13%	0.085%
3	2.570	121	123	125	rBV	363	362	1.32%	0.099%
4	2.668	137	139	142	rVB2	450	467	1.70%	0.127%
5	3.783	320	322	326	rBV	229	333	1.21%	0.091%
6	4.180	386	387	394	rVB2	215	314	1.14%	0.086%
7	4.381	417	420	423	rBB2	211	276	1.00%	0.075%
8	5.405	585	588	591	rVB	253	305	1.11%	0.083%
9	6.978	840	846	847	rBV	397	673	2.45%	0.184%
10	7.539	933	938	941	rBV	252	441	1.60%	0.120%
11	7.630	948	953	958	rBB2	225	488	1.77%	0.133%
12	7.716	960	967	973	rVV3	2763	5676	20.64%	1.548%
13	7.789	973	979	987	rVB3	4418	9243	33.61%	2.521%
14	8.039	1016	1020	1023	rBV	200	354	1.29%	0.097%
15	8.142	1028	1037	1043	rVB4	3424	6990	25.41%	1.907%
16	8.276	1055	1059	1063	rBV2	231	383	1.39%	0.104%
17	8.691	1120	1127	1133	rVB2	6644	12958	47.11%	3.534%
18	8.917	1159	1164	1168	rBV2	233	424	1.54%	0.116%
19	9.002	1174	1178	1180	rBV	192	283	1.03%	0.077%
20	9.264	1217	1221	1225	rBV	182	329	1.20%	0.090%
21	10.179	1365	1371	1378	rVB	11289	20329	73.91%	5.545%
22	10.526	1425	1428	1431	rVB3	497	600	2.18%	0.164%
23	10.575	1434	1436	1441	rVB	456	588	2.14%	0.160%
24	10.794	1471	1472	1477	rVB2	403	479	1.74%	0.131%
25	10.904	1486	1490	1494	rBV3	369	461	1.68%	0.126%
26	11.032	1506	1511	1516	rBV2	1608	2769	10.07%	0.755%
27	11.093	1516	1521	1526	rVB3	2278	3594	13.07%	0.980%
28	11.142	1526	1529	1532	rBV	255	308	1.12%	0.084%
29	11.197	1535	1538	1542	rVV4	340	476	1.73%	0.130%
30	11.294	1550	1554	1560	rVB2	1680	2570	9.34%	0.701%
31	11.373	1562	1567	1571	rVB2	255	394	1.43%	0.107%
32	11.416	1571	1574	1577	rBV	194	276	1.00%	0.075%
33	11.489	1580	1586	1596	rVB	10595	17506	63.65%	4.775%
34	11.587	1596	1602	1604	rBV2	270	524	1.91%	0.143%
35	11.630	1604	1609	1612	rBV3	913	1308	4.76%	0.357%
36	11.666	1612	1615	1616	rBV	1084	949	3.45%	0.259%

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Instrument :
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ClientSampleId :
MH-8D

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : SW846 8260

37	11.739	1621	1627	1631	rBV2	4082	6483	23.57%	1.768%
38	11.776	1631	1633	1639	rVB2	2702	4119	14.98%	1.123%
39	11.843	1639	1644	1647	rVB3	561	930	3.38%	0.254%
40	11.867	1647	1648	1651	rBV	418	421	1.53%	0.115%
41	11.934	1655	1659	1662	rBV4	745	1229	4.47%	0.335%
42	12.001	1662	1670	1677	rBV4	5042	12591	45.78%	3.434%
43	12.087	1682	1684	1685	rBV2	695	516	1.88%	0.141%
44	12.123	1686	1690	1694	rVB	6238	7835	28.49%	2.137%
45	12.166	1694	1697	1698	rBV3	1414	1737	6.32%	0.474%
46	12.203	1699	1703	1706	rBV4	4488	7289	26.50%	1.988%
47	12.251	1706	1711	1715	rVB4	7315	14672	53.34%	4.002%
48	12.422	1737	1739	1743	rVB3	1262	1344	4.89%	0.367%
49	12.483	1743	1749	1755	rVB5	9833	16822	61.16%	4.588%
50	12.562	1755	1762	1766	rBV5	3467	7760	28.21%	2.117%
51	12.642	1772	1775	1782	rVB7	9038	15894	57.79%	4.335%
52	12.733	1782	1790	1793	rBV7	4286	10075	36.63%	2.748%
53	12.812	1795	1803	1807	rVV7	10672	27504	100.00%	7.502%
54	12.861	1808	1811	1816	rVB4	6236	9868	35.88%	2.692%
55	12.916	1816	1820	1821	rBV3	1432	1683	6.12%	0.459%
56	12.952	1822	1826	1828	rVV3	3551	4220	15.34%	1.151%
57	13.038	1837	1840	1850	rVB9	4757	8596	31.25%	2.345%
58	13.129	1852	1855	1858	rBV4	1756	1996	7.26%	0.544%
59	13.318	1879	1886	1891	rBV3	8764	16984	61.75%	4.633%
60	13.428	1899	1904	1909	rBV3	7814	13740	49.96%	3.748%
61	13.745	1951	1956	1961	rBV5	10442	18462	67.12%	5.036%
62	13.849	1971	1973	1977	rVB5	2070	2773	10.08%	0.756%
63	13.928	1984	1986	1989	rBV4	1408	1967	7.15%	0.537%
64	14.080	2005	2011	2015	rBV6	2686	5095	18.52%	1.390%
65	14.147	2017	2022	2026	rVV5	1476	2823	10.26%	0.770%
66	14.196	2027	2030	2034	rVB5	1516	2443	8.88%	0.666%
67	14.263	2034	2041	2047	rBV9	6492	15180	55.19%	4.140%
68	14.385	2059	2061	2062	rBV2	1384	1132	4.12%	0.309%
69	14.428	2063	2068	2072	rVB7	3584	6359	23.12%	1.734%
70	14.477	2074	2076	2081	rVB6	1278	1489	5.41%	0.406%
71	14.611	2096	2098	2104	rBV5	1157	1985	7.22%	0.541%
72	14.684	2106	2110	2113	rVV4	2157	3383	12.30%	0.923%
73	14.733	2114	2118	2123	rVB6	2032	3640	13.23%	0.993%
74	14.812	2126	2131	2135	rBV6	1097	2097	7.62%	0.572%
75	14.885	2140	2143	2146	rVB5	915	1207	4.39%	0.329%
76	15.050	2167	2170	2175	rVB4	644	1087	3.95%	0.296%

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Integration Parameters: RTEINT.P
Integrator: RTE
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Title : SW846 8260

77	15.086	2175	2176	2178	rBV2	576	427	1.55%	0.116%
78	15.129	2180	2183	2184	rBV3	533	534	1.94%	0.146%
79	15.214	2194	2197	2202	rBV4	781	1112	4.04%	0.303%
80	15.263	2202	2205	2206	rBV3	449	434	1.58%	0.118%
81	15.312	2211	2213	2214	rVV2	335	337	1.23%	0.092%
82	15.342	2216	2218	2220	rBV2	385	428	1.56%	0.117%
83	15.367	2220	2222	2224	rVV2	572	441	1.60%	0.120%
84	15.452	2233	2236	2239	rVB3	338	451	1.64%	0.123%
85	15.598	2258	2260	2269	rVB3	598	1190	4.33%	0.325%
86	15.659	2269	2270	2273	rBV	278	300	1.09%	0.082%
87	15.982	2321	2323	2328	rVB2	351	477	1.73%	0.130%
88	16.025	2328	2330	2331	rBV	408	333	1.21%	0.091%
89	16.306	2374	2376	2379	rVB3	302	298	1.08%	0.081%
90	16.421	2392	2395	2398	rBV3	279	296	1.08%	0.081%

Sum of corrected areas: 366626

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ClientSampleId :
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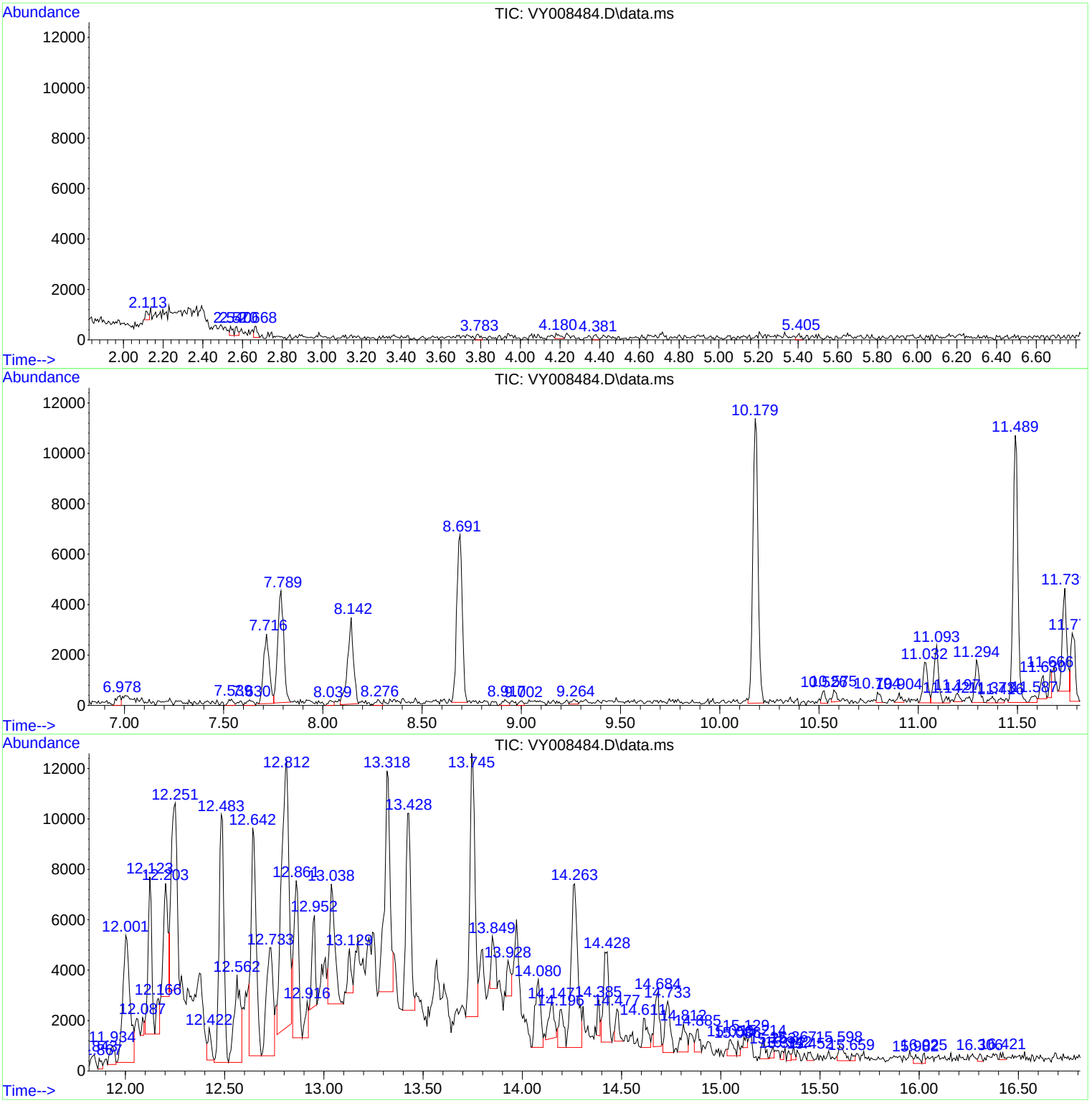
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

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



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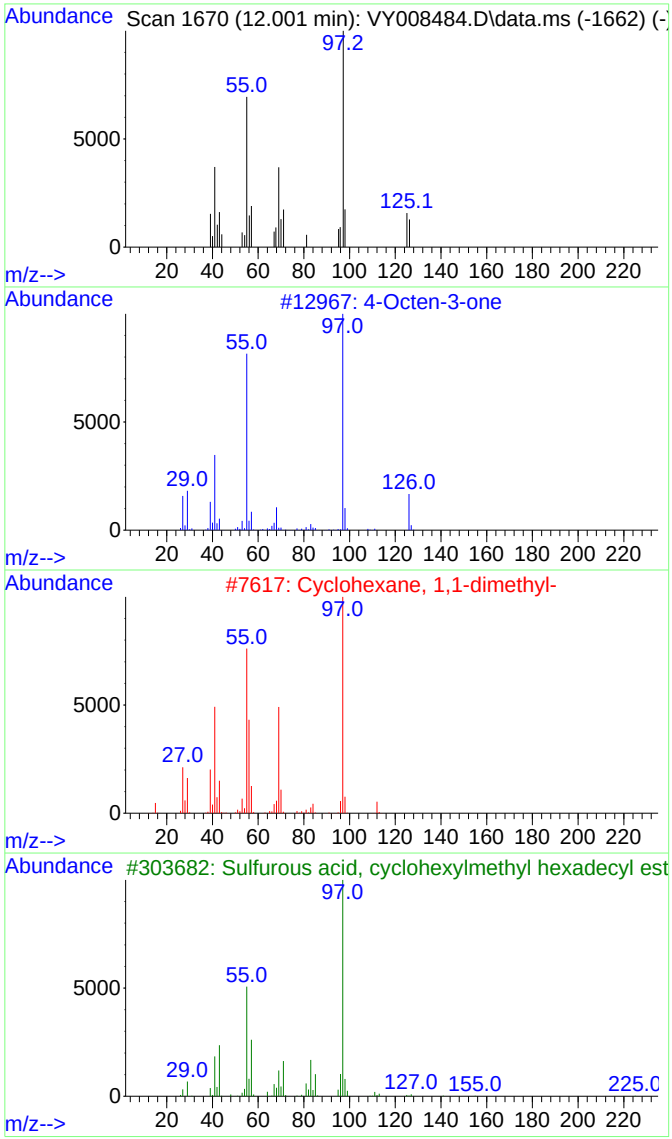
Quant Title : SW846 8260

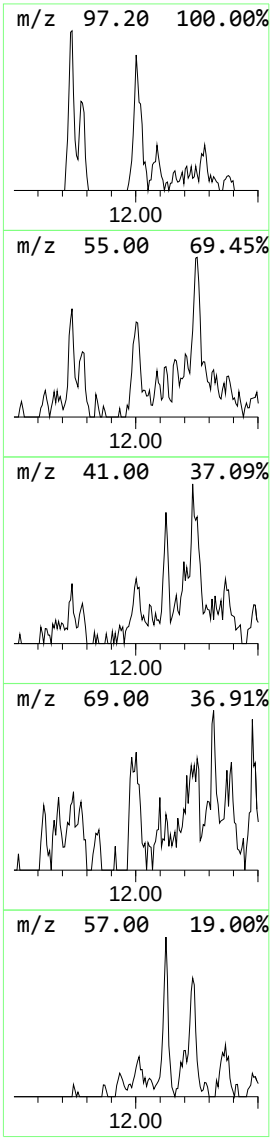
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 4-Octen-3-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.001	35.96 ug/l	12591	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octen-3-one	126	C8H14O	014129-48-7	58
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53
4	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	53
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52





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Data File : VY008484.D
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

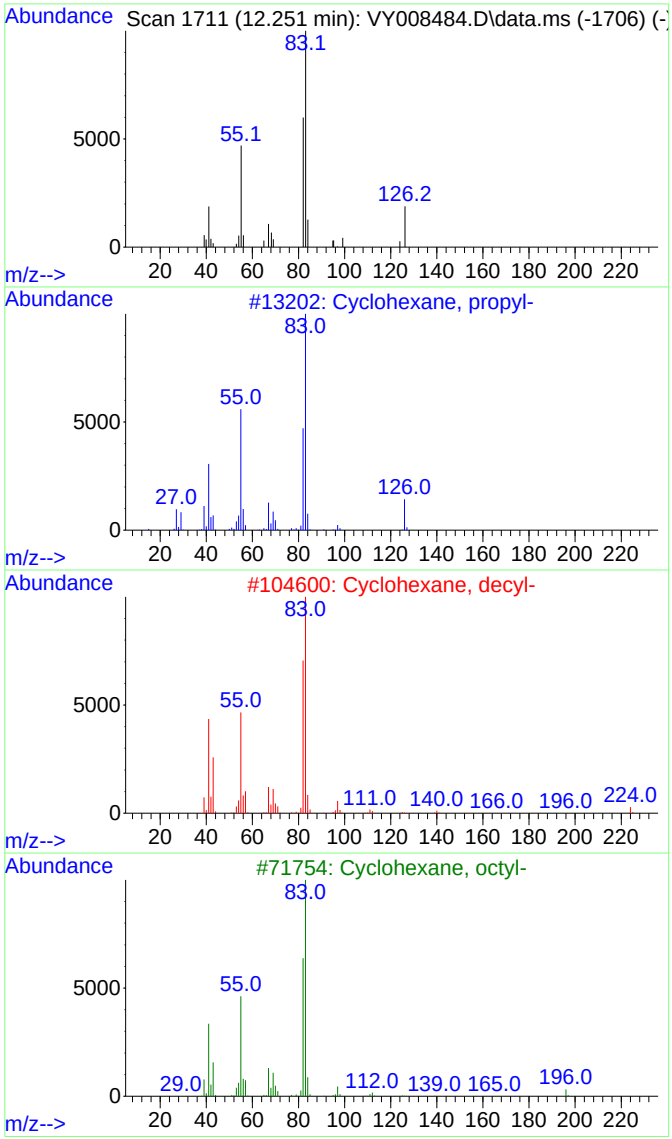
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

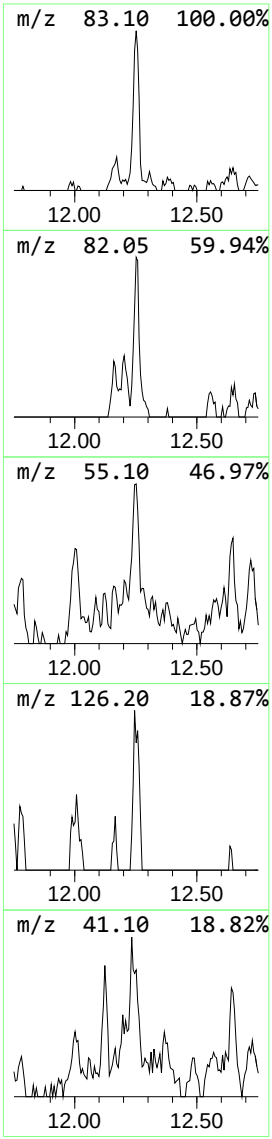
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	41.91 ug/l	14672	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	78
2	Cyclohexane, decyl-	224	C16H32	001795-16-0	72
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4	Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	50
5	Oxalic acid, cyclohexyl undecyl ...	326	C19H34O4	1000309-31-3	50





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Instrument :
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ClientSampleId :
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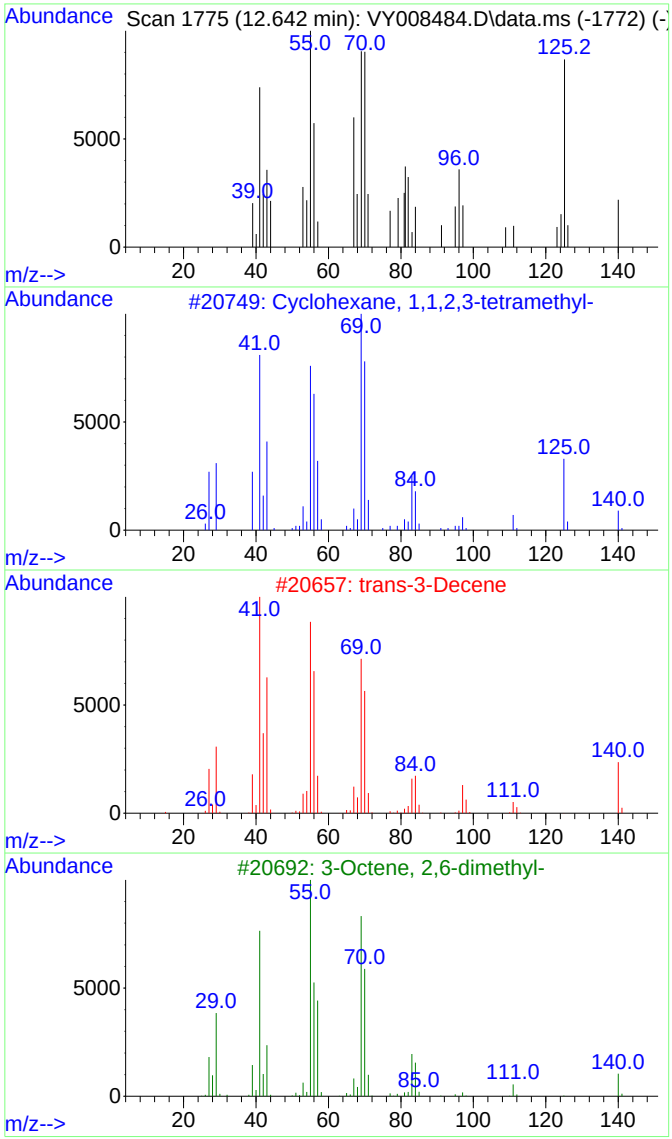
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

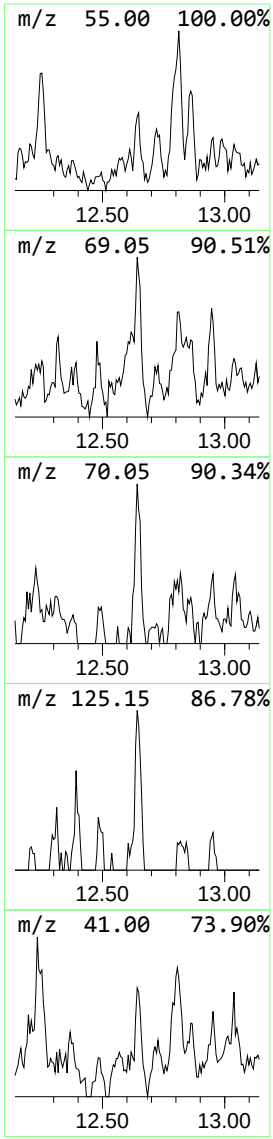
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.642	57.84 ug/l	15894	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	53
2	trans-3-Decene	140	C10H20	019150-21-1	50
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	46
4	cis-4-Decene	140	C10H20	019398-88-0	45
5	2,3,6-Trimethylhept-6-en-1-ol	156	C10H20O	1000111-57-0	43





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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

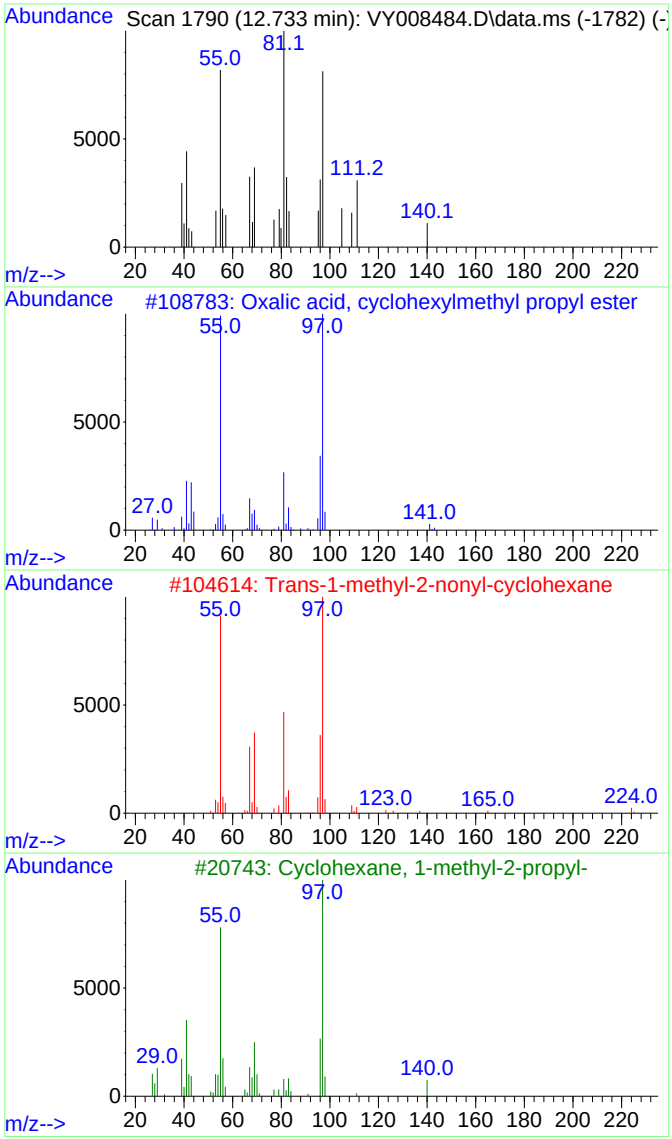
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

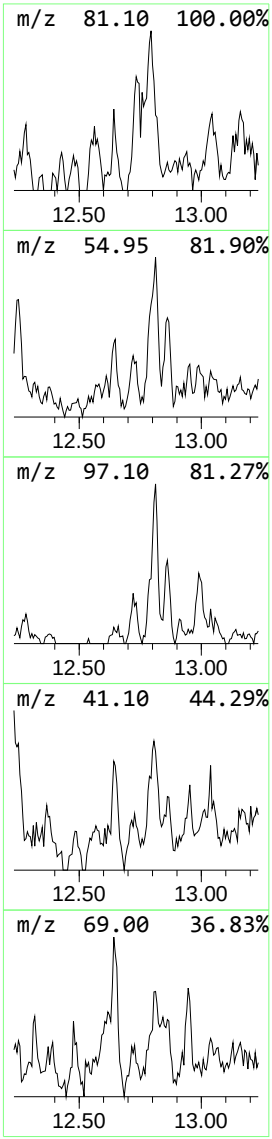
****

Peak Number 4 unknown12.733 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	36.66 ug/l	10075	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	43
2	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	43
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
4	Cyclohexene,3-butyl-	138	C10H18	003983-07-1	43
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	38





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MSVOA_Y
ClientSampleId :
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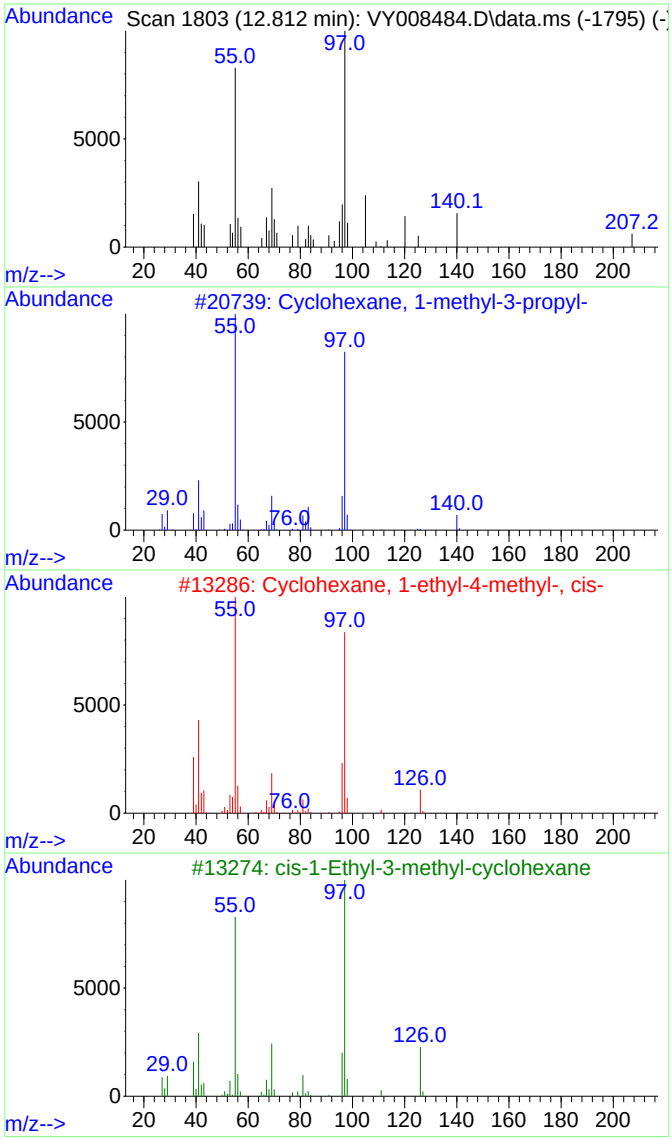
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

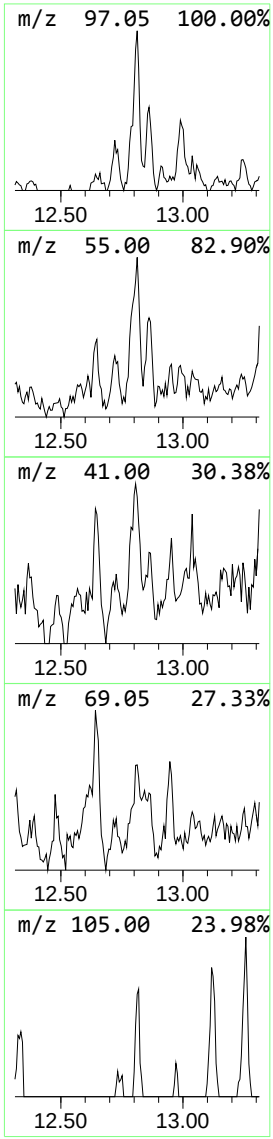
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1-methyl-3-pro... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.812	100.09 ug/l	27504	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	49





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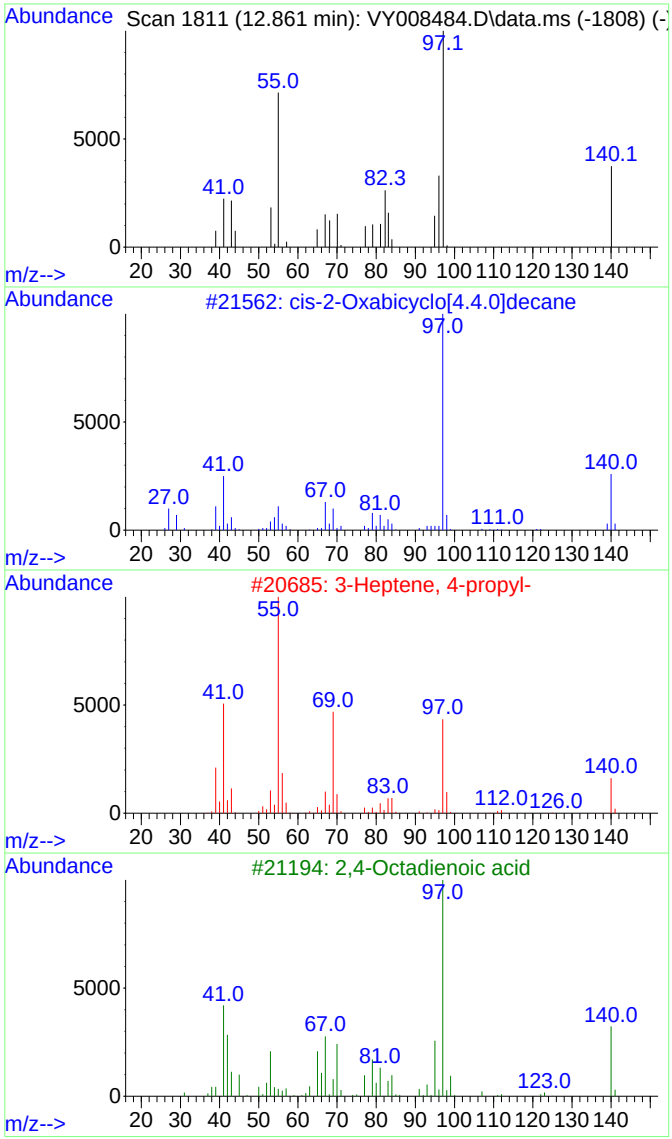
Quant Title : SW846 8260

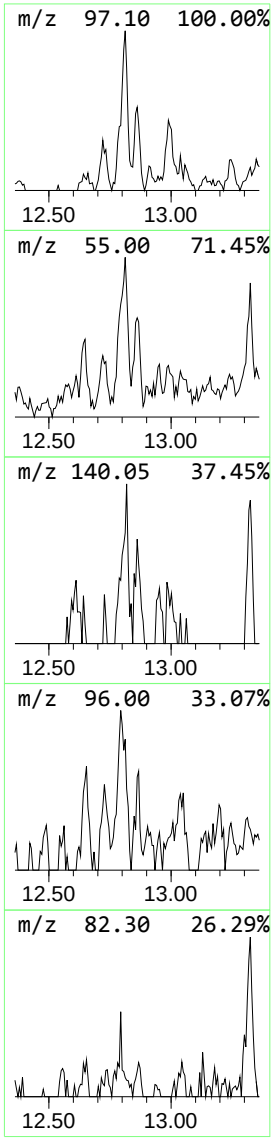
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 cis-2-Oxabicyclo[4.4.0]decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	35.91 ug/l	9868	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	50
2	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	50
3	2,4-Octadienoic acid	140	C8H12O2	083615-26-3	40
4	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	40
5	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
Data File : VY008484.D
Acq On : 25 Apr 2022 16:04
Operator : KP/MD
Sample : N2548-04
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

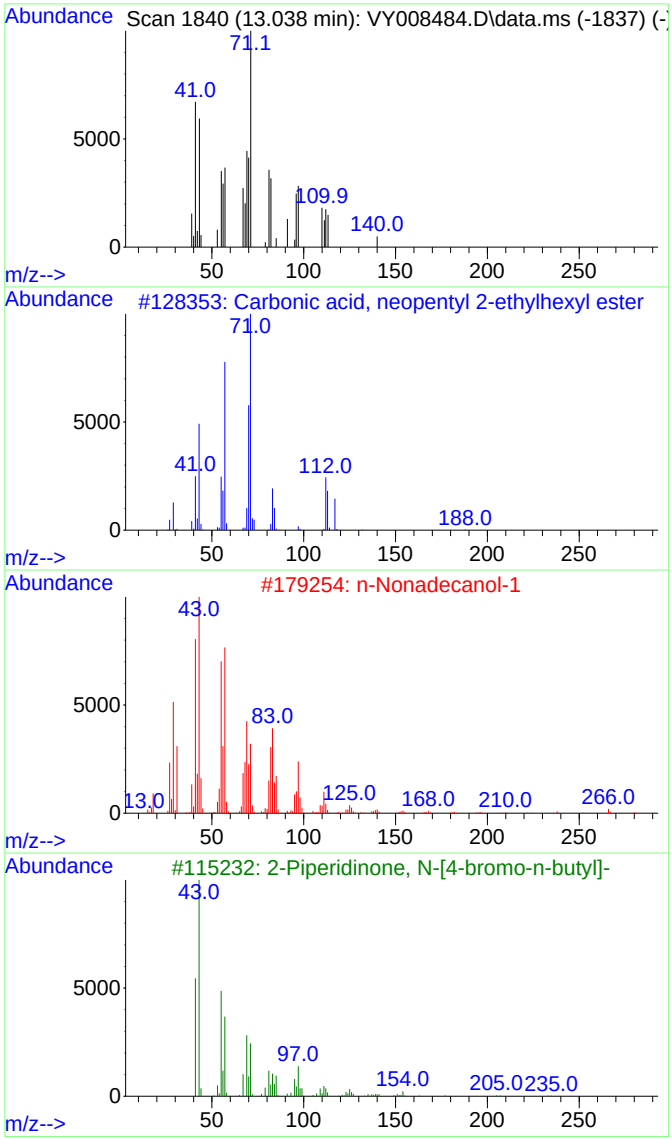
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

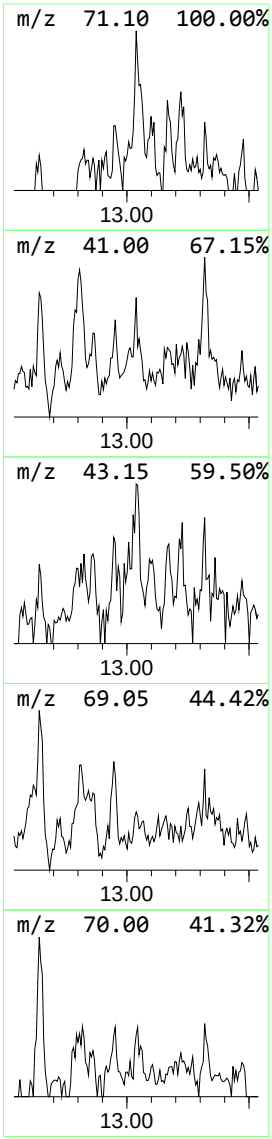
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown13.038 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	31.28 ug/l	8596	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	38
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	37
3	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	37
4	Butanoic acid, 2-methylcyclohexy...	184	C11H20O2	015287-80-6	35
5	3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
Data File : VY008484.D
Acq On : 25 Apr 2022 16:04
Operator : KP/MD
Sample : N2548-04
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

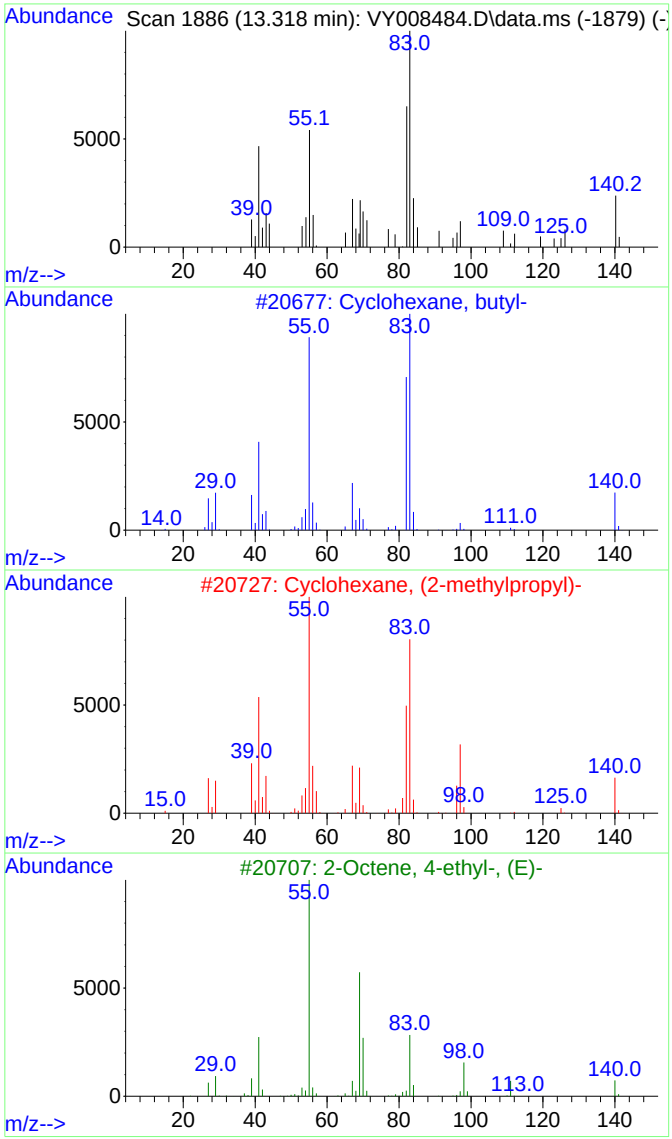
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

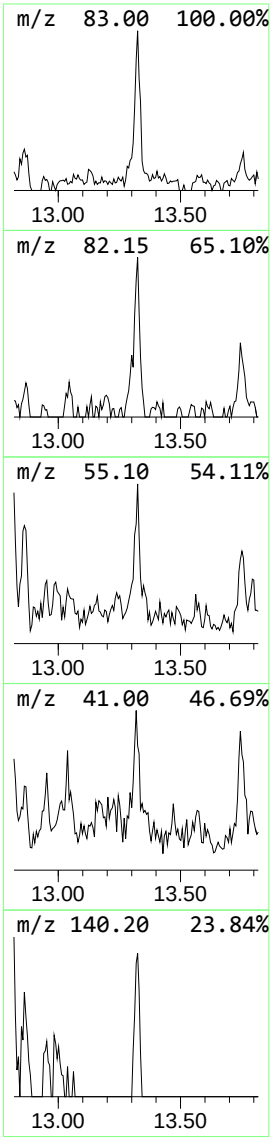
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.318	61.80 ug/l	16984	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	53
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	52
5	2,4,6-Trimethyl-3-heptene	140	C10H20	1000113-56-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
Data File : VY008484.D
Acq On : 25 Apr 2022 16:04
Operator : KP/MD
Sample : N2548-04
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

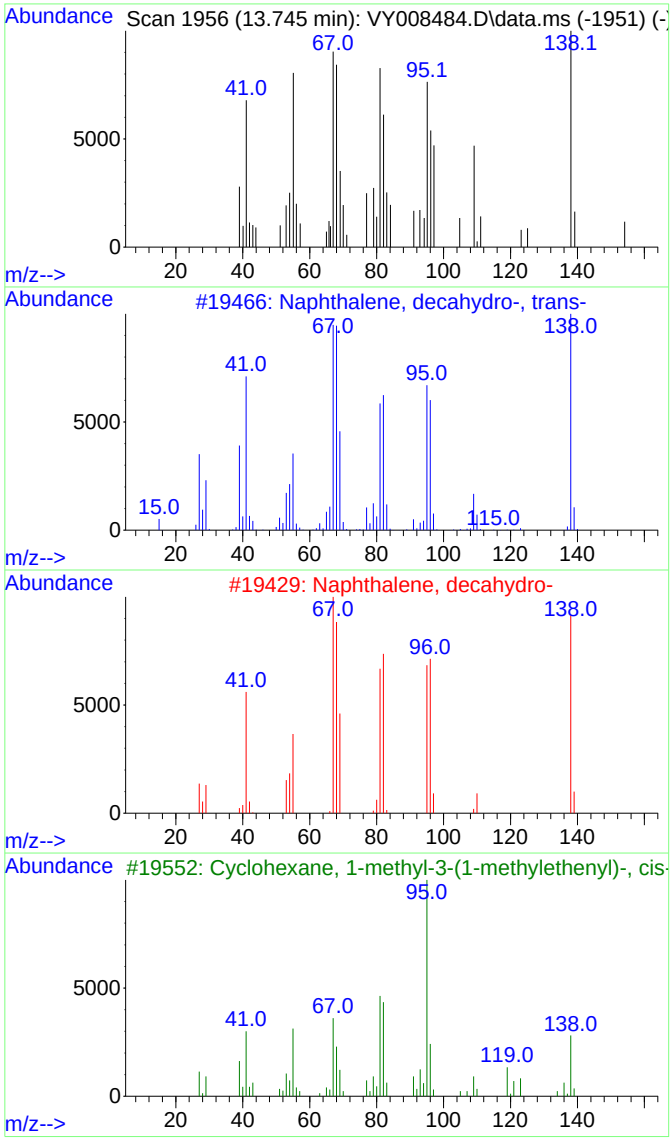
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

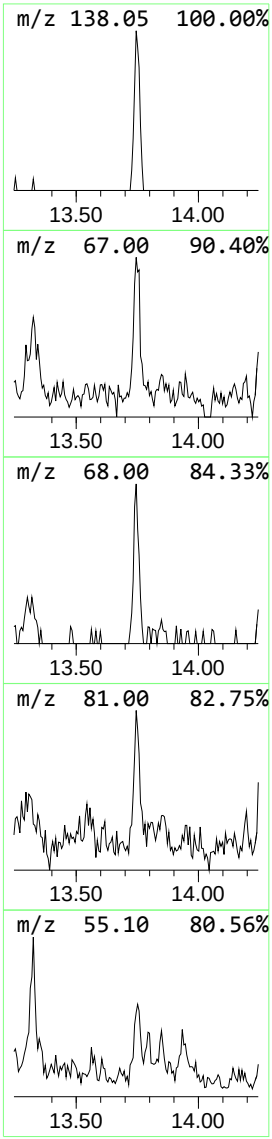
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	67.18 ug/l	18462	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	60
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	60
3	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	53
4	Spiro[4.5]decane	138	C10H18	000176-63-6	53
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	49





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Data File : VY008484.D
Acq On : 25 Apr 2022 16:04
Operator : KP/MD
Sample : N2548-04
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

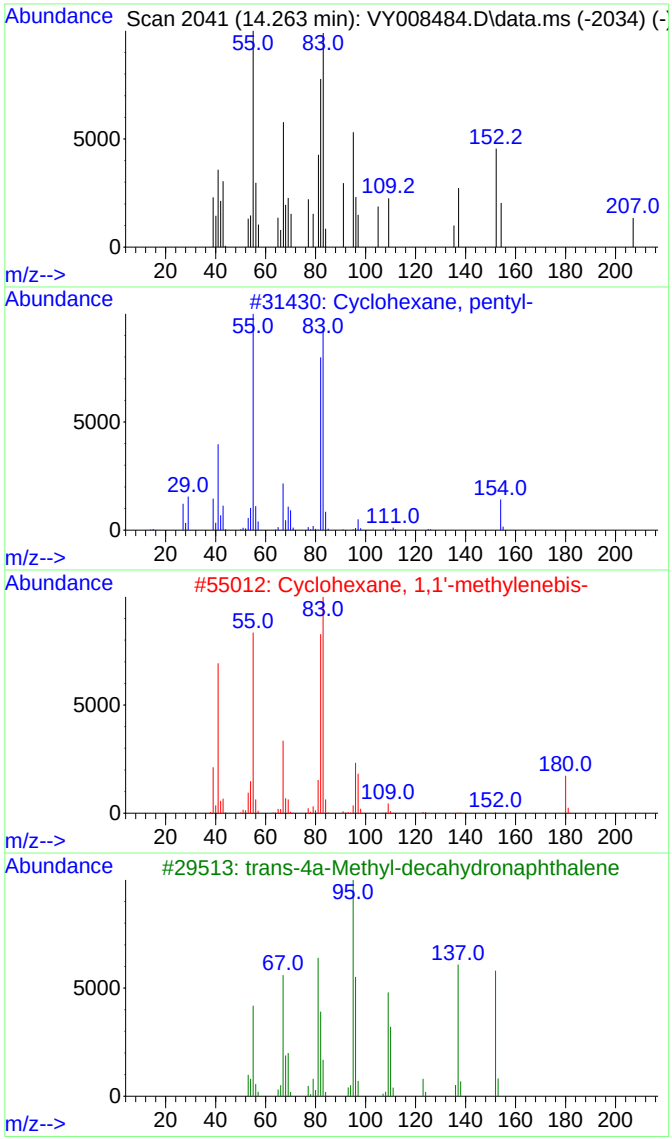
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

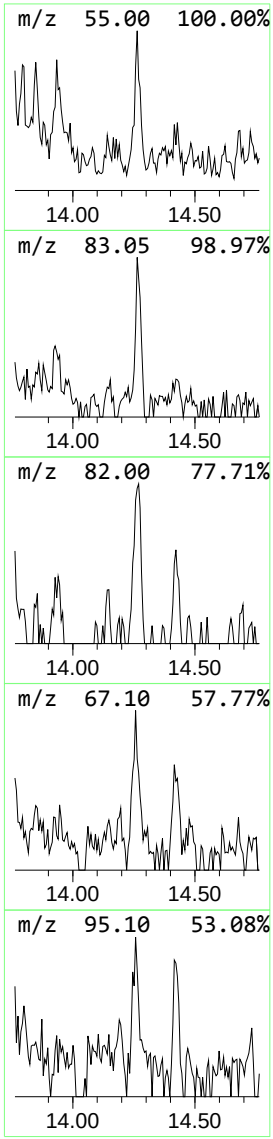
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown14.263 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	55.24 ug/l	15180	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
2	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	43
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	38
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35
5	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
Data File : VY008484.D
Acq On : 25 Apr 2022 16:04
Operator : KP/MD
Sample : N2548-04
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.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
4-Octen-3-one	12.001	36.0	ug/l	12591	3	11.489	17506	50.0
Cyclohexane, pr...	12.251	41.9	ug/l	14672	3	11.489	17506	50.0
Cyclohexane, 1,...	12.642	57.8	ug/l	15894	4	13.428	13740	50.0
unknown12.733	12.733	36.7	ug/l	10075	4	13.428	13740	50.0
Cyclohexane, 1-...	12.812	100.1	ug/l	27504	4	13.428	13740	50.0
cis-2-Oxabicycl...	12.861	35.9	ug/l	9868	4	13.428	13740	50.0
unknown13.038	13.038	31.3	ug/l	8596	4	13.428	13740	50.0
Cyclohexane, bu...	13.318	61.8	ug/l	16984	4	13.428	13740	50.0
Naphthalene, de...	13.745	67.2	ug/l	18462	4	13.428	13740	50.0
unknown14.263	14.263	55.2	ug/l	15180	4	13.428	13740	50.0