LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
Acq On : 27 Apr 2022 16:21
Operator : KP/MD
Sample : N2577-01
Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

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: VY008530.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.795	807	816	833	rVB3	198939	637884	1.13%	0.067%
2	7.789	972	979	987	rVV	769839	1827668	3.25%	0.191%
3	7.874	987	993	1005	rVB	509924	1342204	2.39%	0.140%
4	8.008	1005	1015	1021	rBV	738039	1880267	3.34%	0.196%
5	8.283	1048	1060	1066	rBV2	763062	2041394	3.63%	0.213%
6	8.356	1066	1072	1077	rVV2	649094	1653661	2.94%	0.172%
7	8.423	1077	1083	1097	rVB	881110	2046597	3.64%	0.213%
8	9.008	1170	1179	1192	rVB	468814	1077949	1.92%	0.112%
9	9.191	1192	1209	1215	rBV2	15214450	33728785	59.96%	3.516%
10	9.252	1215	1219	1227	rVB	2489205	4932115	8.77%	0.514%
11	9.374	1233	1239	1244	rBV	855645	1530482	2.72%	0.160%
12	9.465	1244	1254	1265	rVB2	2038042	6277694	11.16%	0.654%
13	9.618	1266	1279	1290	rBV2	2590048	5681773	10.10%	0.592%
14	9.764	1290	1303	1308	rBV	3197924	7107771	12.63%	0.741%
15	9.862	1315	1319	1325	rVB	649764	1238862	2.20%	0.129%
16	9.947	1325	1333	1337	rBV	2860986	6100259	10.84%	0.636%
17	9.996	1337	1341	1350	rVB	3188396	6538578	11.62%	0.682%
18	10.105	1350	1359	1365	rBV4	813611	2909522	5.17%	0.303%
19	10.185	1365	1372	1377	rBV	18244253	37992553	67.54%	3.961%
20	10.221	1377	1378	1387	rVB	7783850	10223906	18.17%	1.066%
21	10.313	1387	1393	1395	rBV	2000393	3363513	5.98%	0.351%
22	10.355	1395	1400	1411	rVB3	6142155	17679184	31.43%	1.843%
23	10.532	1411	1429	1437	rBV	12891208	28255050	50.23%	2.946%
24	10.630	1437	1445	1450	rBV	6595596	14369571	25.54%	1.498%
25	10.672	1450	1452	1456	rVB	1261389	1645206	2.92%	0.172%
26	10.721	1456	1460	1466	rVB2	2524699	4410261	7.84%	0.460%
27	10.819	1469	1476	1485	rBV	15422886	32066593	57.00%	3.343%
28	10.922	1486	1493	1500	rBV	11826146	26008108	46.23%	2.711%
29	10.996	1500	1505	1508	rBV3	3300197	6870077	12.21%	0.716%
30	11.050	1509	1514	1518	rBV	15935710	32034565	56.95%	3.340%
31	11.099	1518	1522	1523	rBV	14929410	18808510	33.43%	1.961%
32	11.160	1529	1532	1535	rVB	3874600	5099128	9.06%	0.532%
33	11.215	1535	1541	1545	rVV3	7437177	14627238	26.00%	1.525%
34	11.264	1545	1549	1552	rVV	5609687	9932626	17.66%	1.036%
35	11.307	1552	1556	1565	rVB	17811888	36658859	65.17%	3.822%
36	11.392	1565	1570	1572	rBV2	1405088	2365832	4.21%	0.247%

LSC Area Percent Report

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GT-08-(7.5-10)

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	11.428	1572	1576	1583	rVB4	1679165	3401701	6.05%	0.355%
38	11.544	1590	1595	1598	rBV	2089377	3813757	6.78%	0.398%
39	11.587	1598	1602	1606	rBV2	3685205	5750920	10.22%	0.600%
40	11.642	1606	1611	1614	rBV	7746872	13426465	23.87%	1.400%
41	11.691	1614	1619	1624	rBV4	12100397	26708512	47.48%	2.784%
42	11.745	1624	1628	1630	rBV3	14378491	23135336	41.13%	2.412%
43	11.861	1642	1647	1650	rBV3	3175024	6238119	11.09%	0.650%
44	11.910	1651	1655	1659	rBV2	4020823	5804938	10.32%	0.605%
45	11.959	1659	1663	1665	rBV2	2849211	4172518	7.42%	0.435%
46	12.008	1665	1671	1674	rBV3	17659986	38444352	68.34%	4.008%
47	12.160	1690	1696	1698	rBV2	5419898	12929059	22.98%	1.348%
48	12.203	1701	1703	1707	rVB2	4951945	5918869	10.52%	0.617%
49	12.294	1716	1718	1722	rBV5	4604373	7557729	13.43%	0.788%
50	12.349	1722	1727	1731	rVB2	8646462	18803219	33.43%	1.960%
51	12.501	1747	1752	1758	rVB3	10479104	19674050	34.97%	2.051%
52	12.593	1758	1767	1770	rBV3	18041697	56254758	100.00%	5.865%
53	12.745	1786	1792	1797	rBV5	18157757	51610769	91.74%	5.381%
54	12.794	1797	1800	1802	rVV3	6972143	8831142	15.70%	0.921%
55	12.959	1820	1827	1832	rBV5	13738617	33761350	60.02%	3.520%
56	13.007	1832	1835	1839	rBV2	6994037	14049344	24.97%	1.465%
57	13.044	1839	1841	1843	rBV3	4255758	4321314	7.68%	0.451%
58	13.148	1854	1858	1860	rBV3	8279163	11902345	21.16%	1.241%
59	13.184	1861	1864	1867	rVV2	5102316	8657654	15.39%	0.903%
60	13.318	1881	1886	1889	rBV6	10190790	20937767	37.22%	2.183%
61	13.465	1908	1910	1914	rVB3	3624620	4738071	8.42%	0.494%
62	13.507	1914	1917	1919	rBV2	2206156	2703052	4.81%	0.282%
63	13.580	1924	1929	1935	rBV4	9803197	23354467	41.52%	2.435%
64	13.702	1943	1949	1953	rBV3	6589235	11804431	20.98%	1.231%
65	13.751	1953	1957	1958	rBV2	20755023	23847822	42.39%	2.486%
66	13.800	1963	1965	1970	rVB2	4551437	6220897	11.06%	0.649%
67	13.861	1970	1975	1979	rBV4	5253988	10018121	17.81%	1.044%
68	13.977	1990	1994	2000	rVB	13909994	22056827	39.21%	2.300%
69	14.038	2000	2004	2007	rVB2	1759534	2515604	4.47%	0.262%
70	14.086	2007	2012	2017	rVB4	8261907	13395276	23.81%	1.397%
71	14.147	2017	2022	2028	rVB7	2833423	6006692	10.68%	0.626%
72	14.202	2028	2031	2037	rBV4	1499696	2653440	4.72%	0.277%
73	14.263	2037	2041	2045	rBV3	8102632	13745654	24.43%	1.433%
74	14.385	2056	2061	2063	rBV2	1234129	2029786	3.61%	0.212%
75	14.428	2064	2068	2073	rVV3	3925002	5936303	10.55%	0.619%
76	14.483	2074	2077	2080	rVV3	467643	603885	1.07%	0.063%

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Integration Parameters: RTEINT.P
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Title : SW846 8260

77	14.623	2096	2100	2104	rVB3	576430	808670	1.44%	0.084%
78	14.678	2104	2109	2115	rVV3	2914424	6125200	10.89%	0.639%
79	14.739	2115	2119	2126	rVB4	1143594	2097236	3.73%	0.219%
80	14.946	2150	2153	2157	rVB3	473320	659704	1.17%	0.069%
81	15.050	2166	2170	2176	rVB4	365696	799218	1.42%	0.083%

Sum of corrected areas: 959190588

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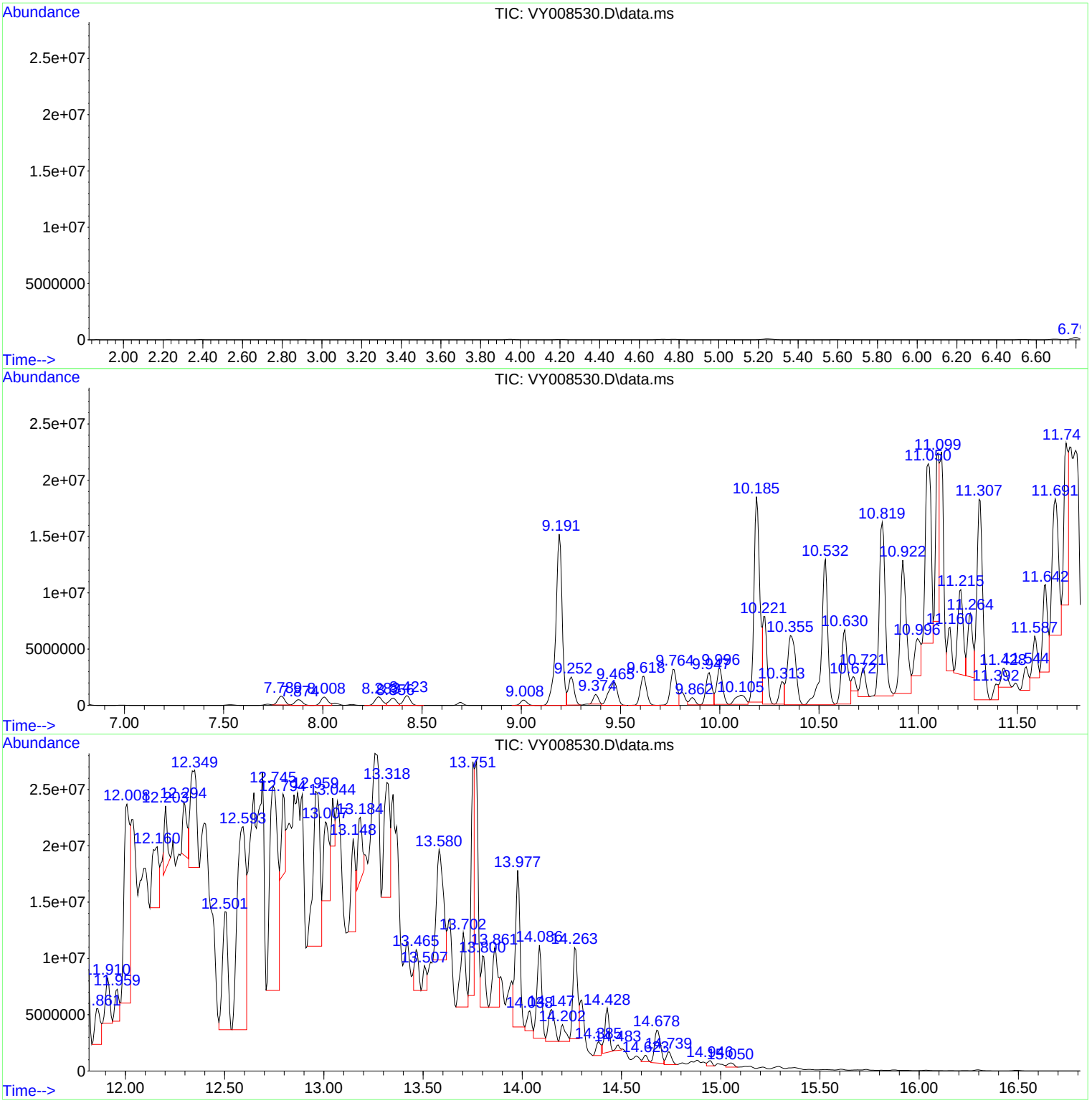
Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
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Instrument :
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ClientSampleId :
GT-08-(7.5-10)

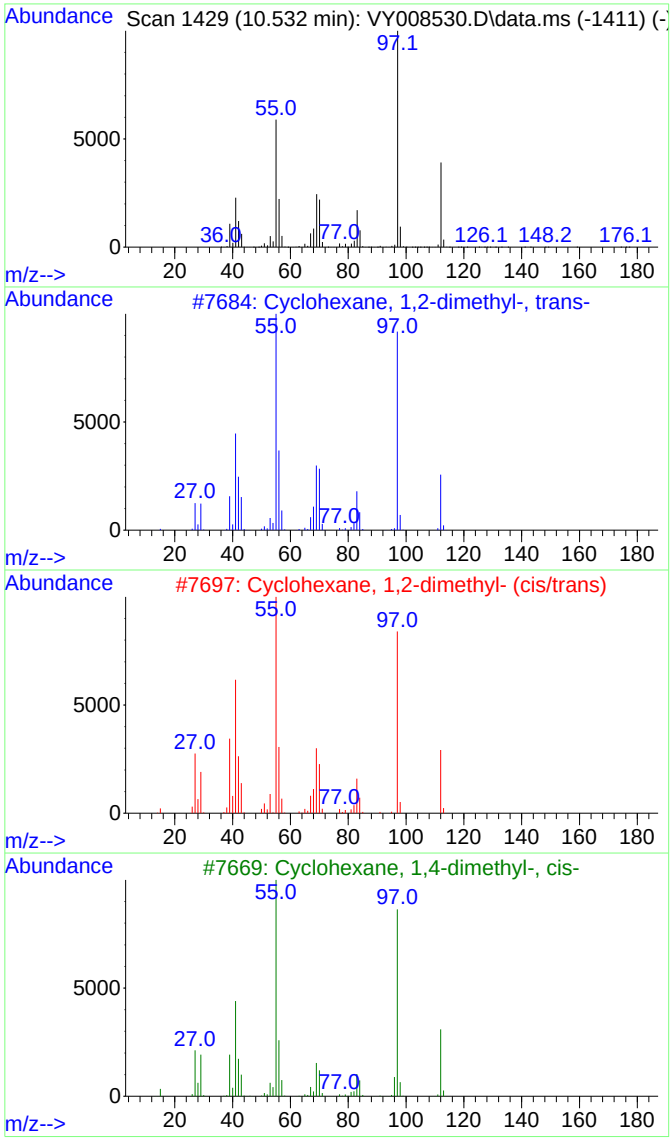
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

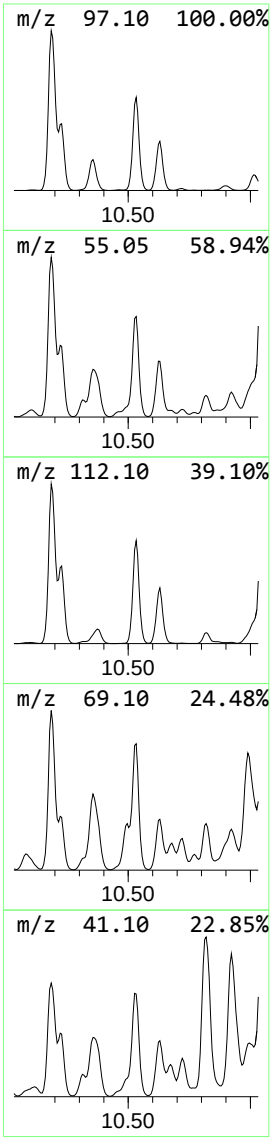
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.532	370.44 ug/l	28255100	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
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Operator : KP/MD
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Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

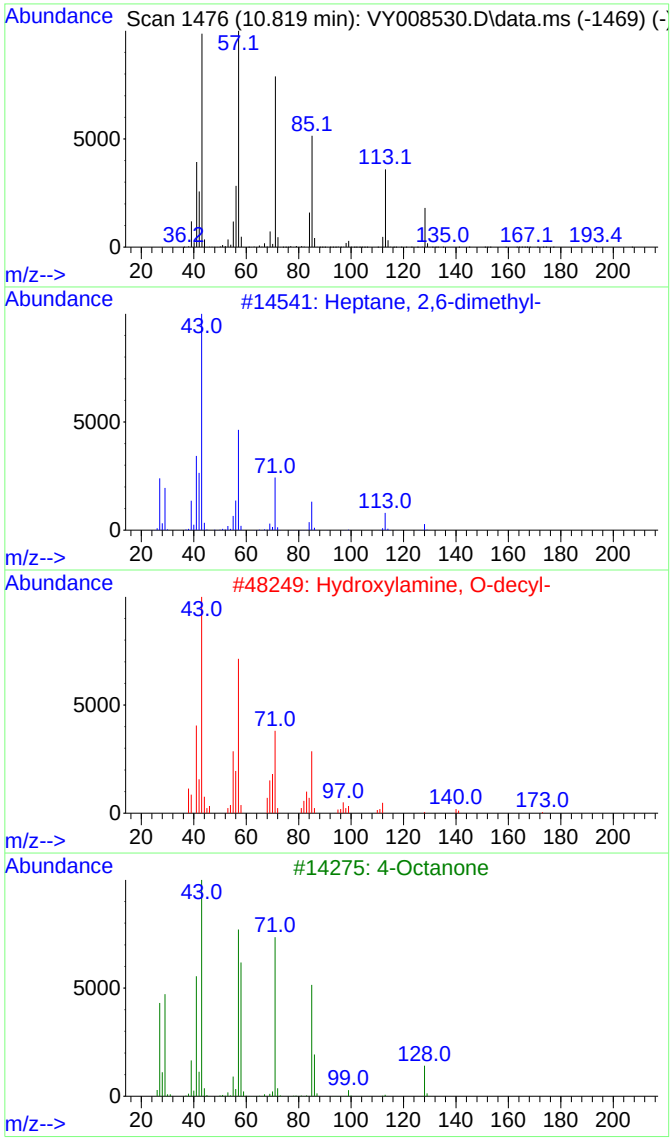
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

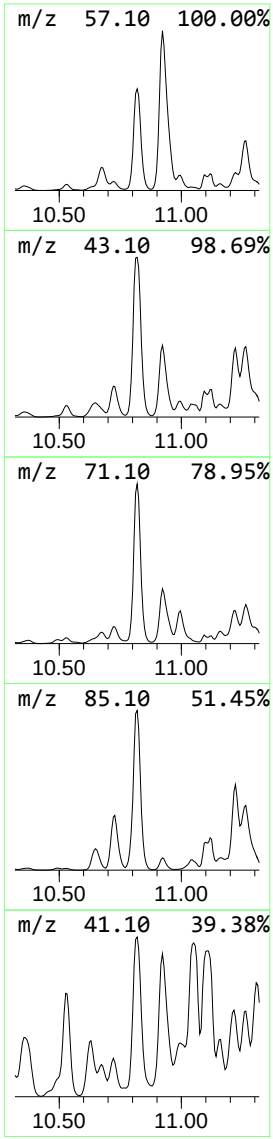
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.819	420.41 ug/l	32066600	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	95
2	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64
3	4-Octanone	128	C8H16O	000589-63-9	62
4	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	58
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53





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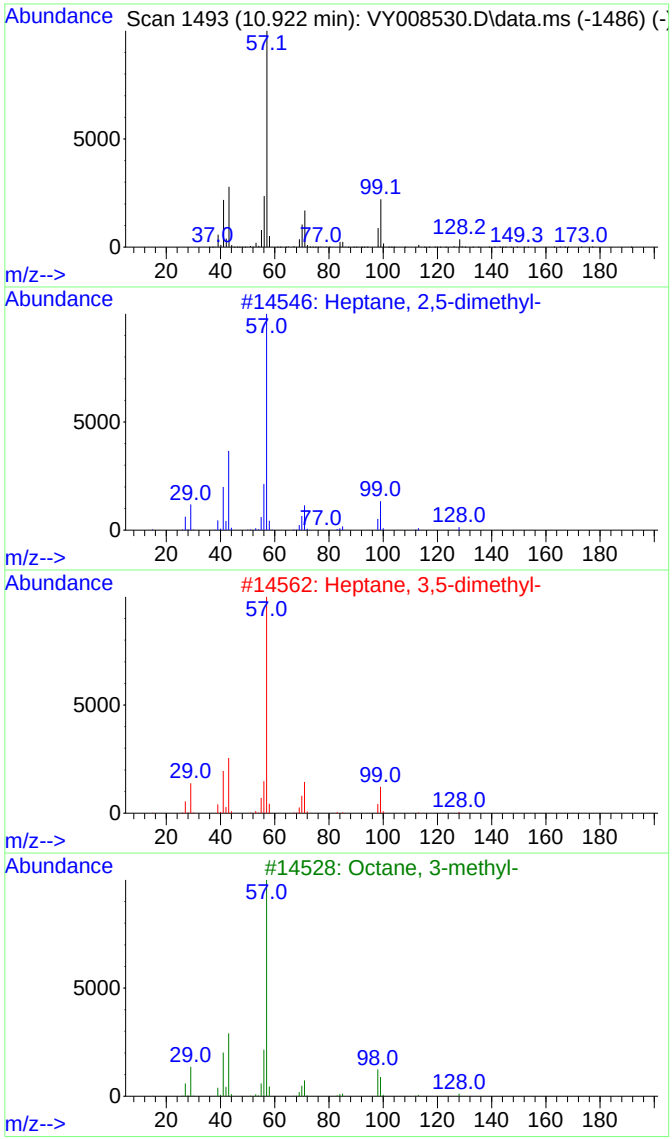
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

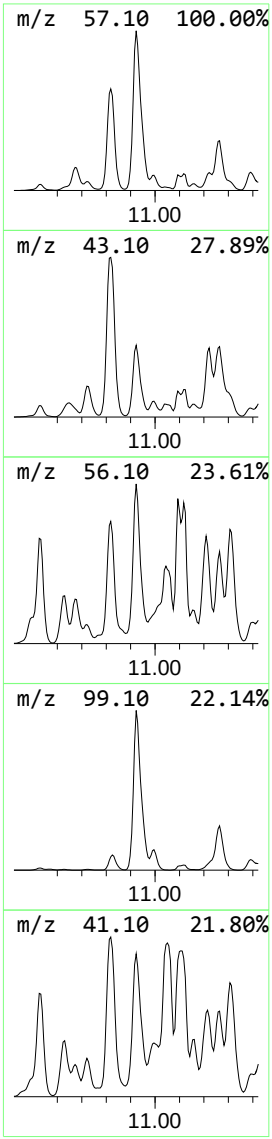
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.922	340.98 ug/l	26008100	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	74
3	Octane, 3-methyl-	128	C9H20	002216-33-3	64
4	Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	59
5	2-Azacyclooctanone	127	C7H13NO	000673-66-5	47





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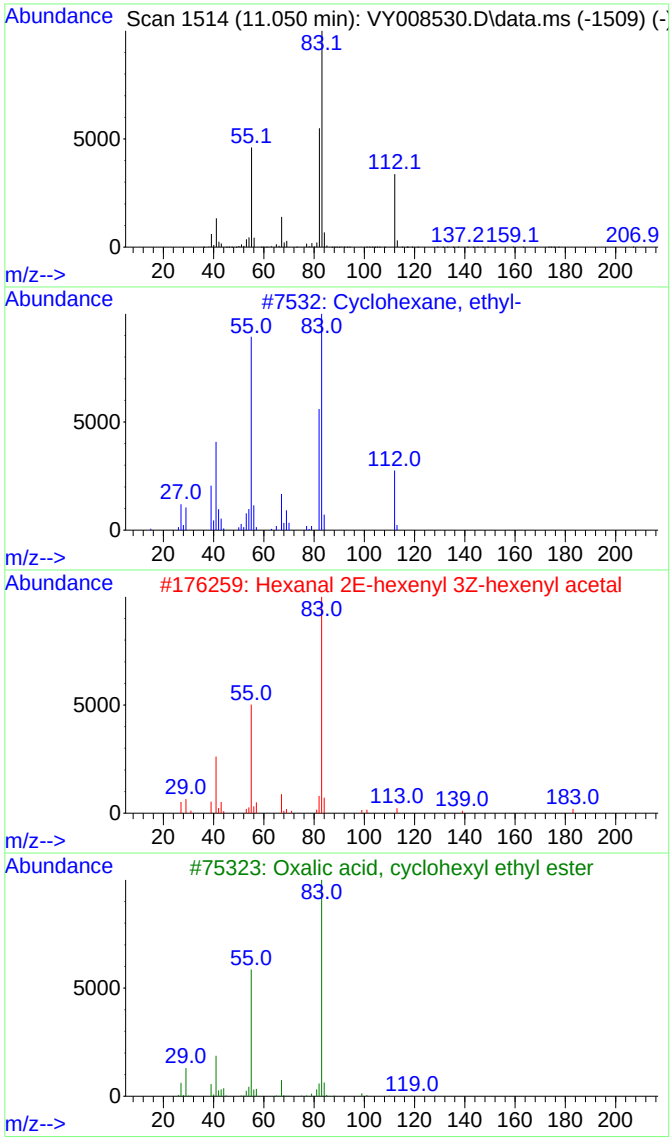
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

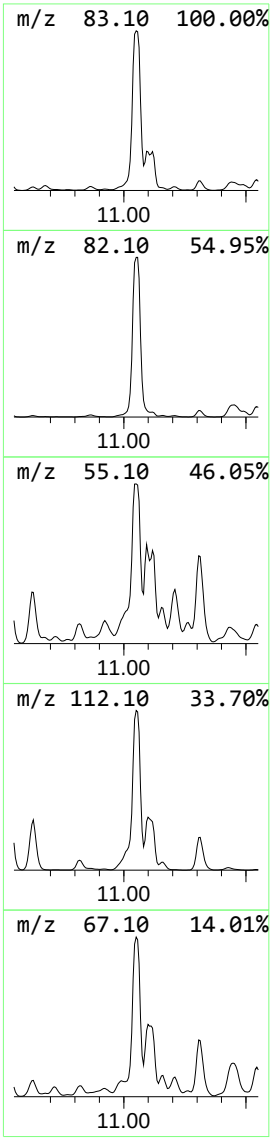
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.050	419.99 ug/l	32034600	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Hexanal 2E-hexenyl 3Z-hexenyl ac...	282	C18H34O2	1000431-43-4	53
3	Oxalic acid, cyclohexyl ethyl ester	200	C10H16O4	1000309-30-2	50
4	Oxalic acid, cyclohexyl pentyl e...	242	C13H22O4	1000309-30-6	50
5	2H-Pyran-2-carboxaldehyde, 5,6-d...	112	C6H8O2	053897-26-0	50





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Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

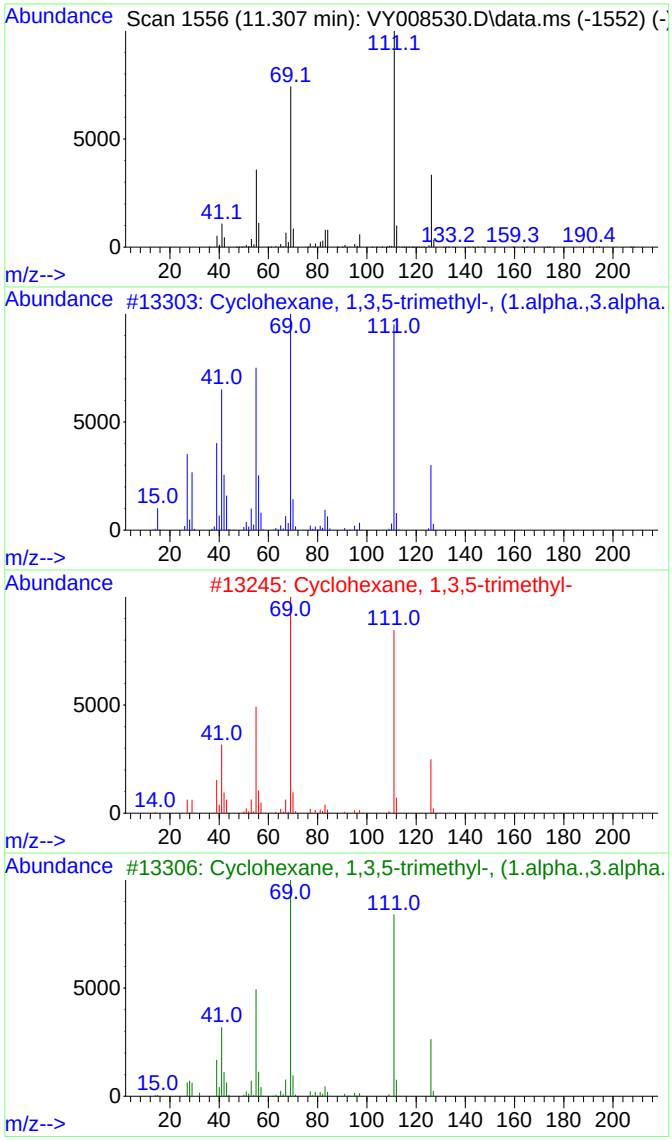
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

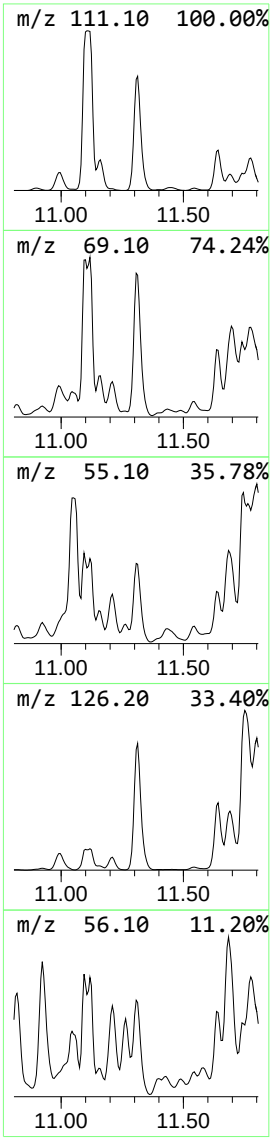
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,3,5-trimethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.307	480.61 ug/l	36658900	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	86
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72





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ClientSampleId :
GT-08-(7.5-10)

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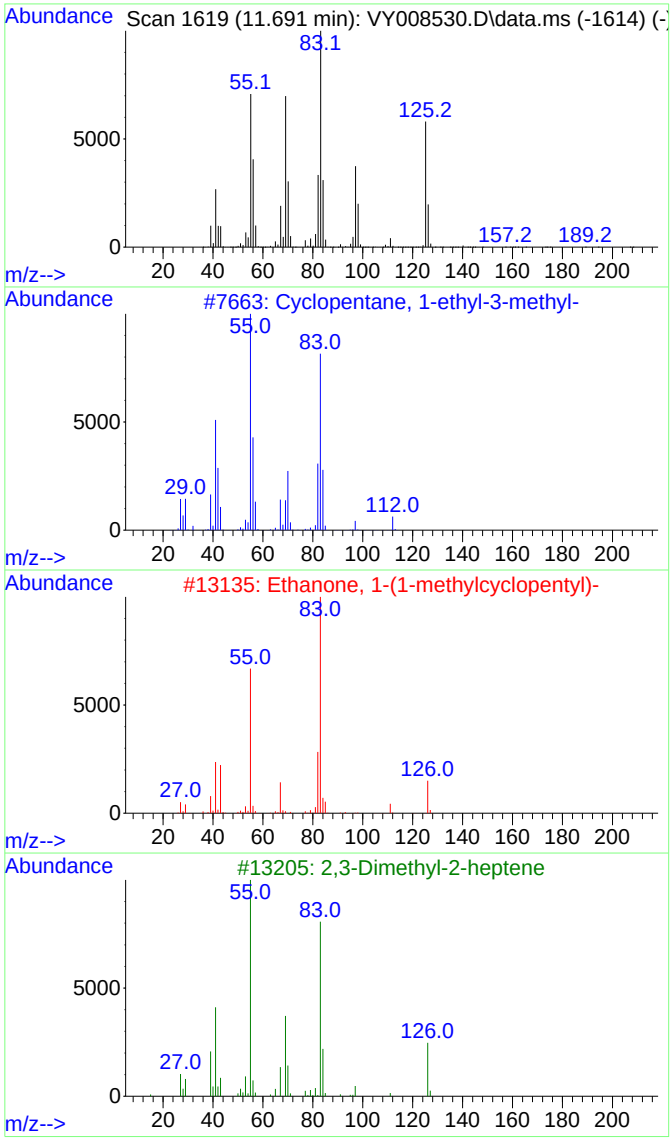
Quant Title : SW846 8260

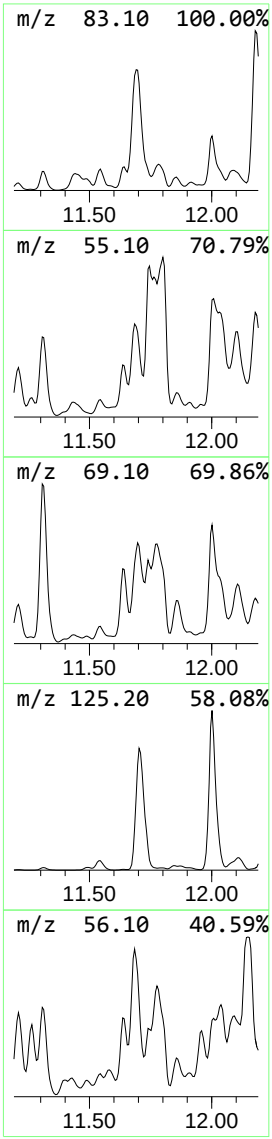
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, 1-ethyl-3-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.691	350.16 ug/l	26708500	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	50
2	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	43
3	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	38
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
Acq On : 27 Apr 2022 16:21
Operator : KP/MD
Sample : N2577-01
Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

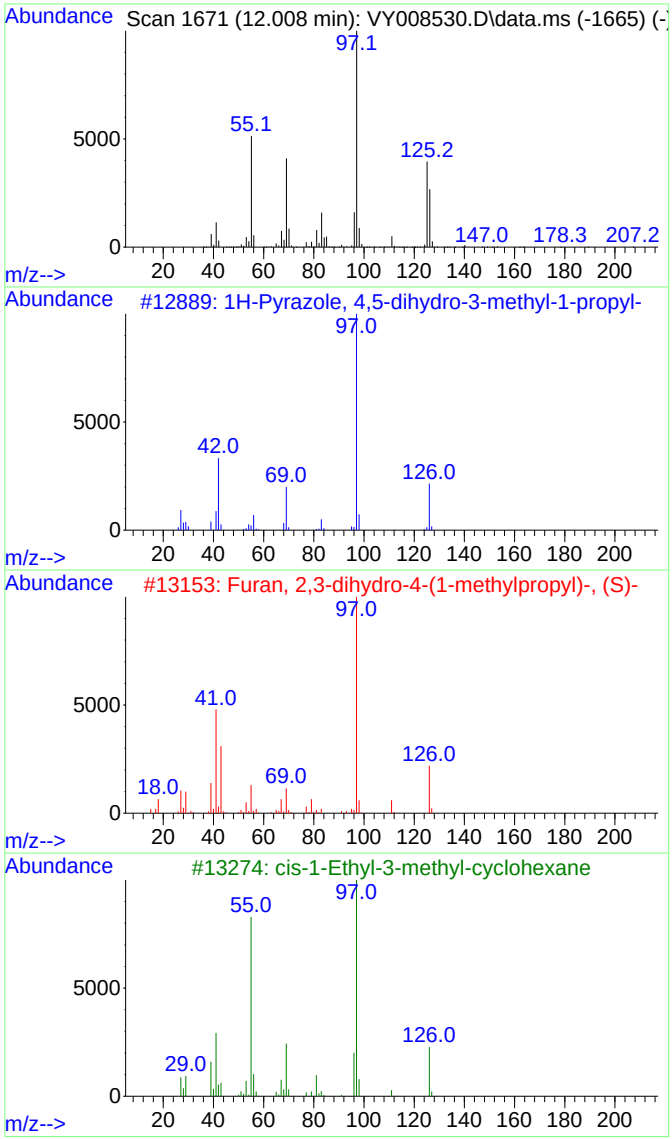
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

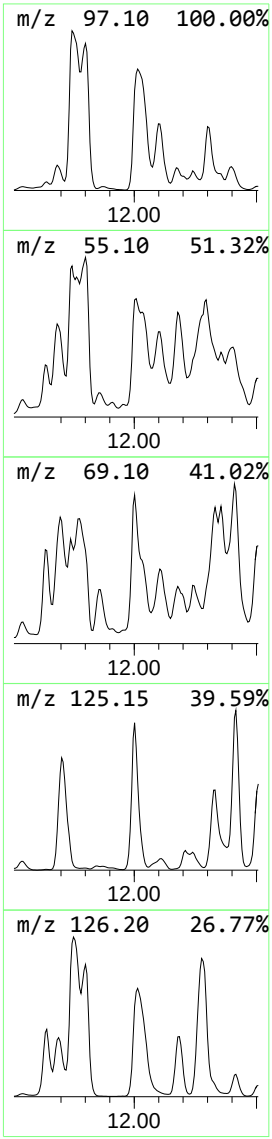
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Pyrazole, 4,5-dihydro-3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.008	504.02 ug/l	38444400	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole, 4,5-dihydro-3-methy...	126	C7H14N2	026964-49-8	50
2	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	50
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	50
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
Acq On : 27 Apr 2022 16:21
Operator : KP/MD
Sample : N2577-01
Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

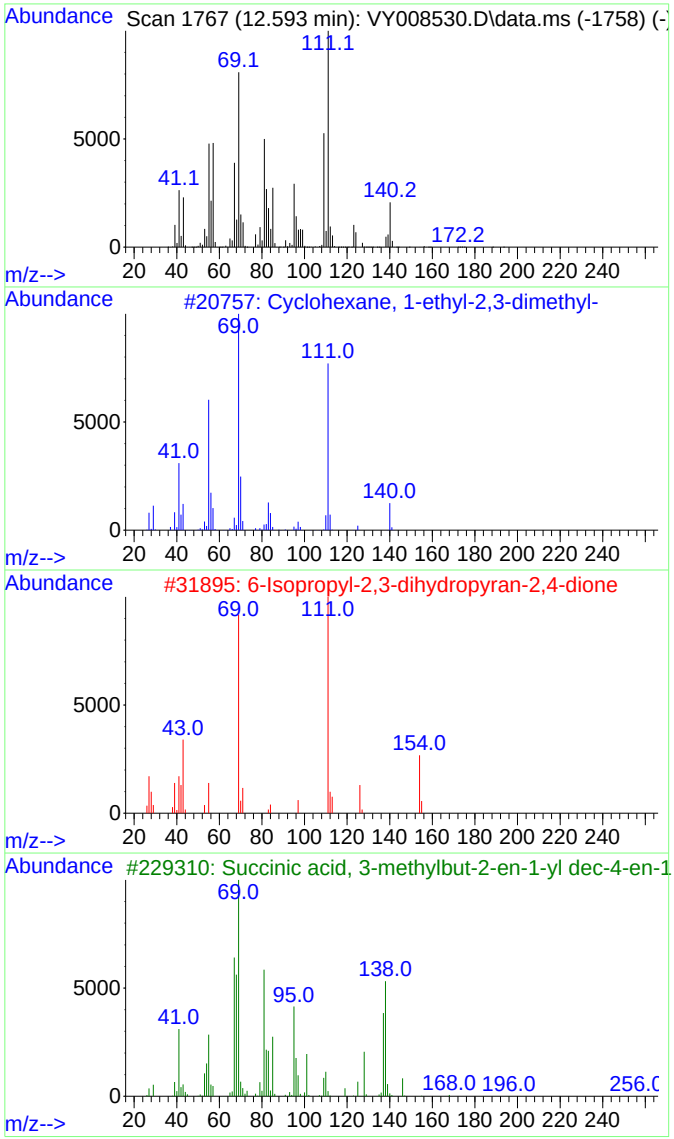
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

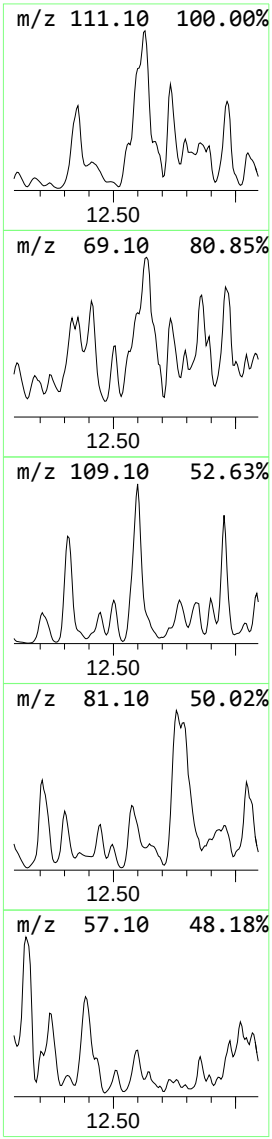
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown12.593 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.593	593.65 ug/l	56254800	1,4-Dichlorobenzene-d4	13.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	49
2	6-Isopropyl-2,3-dihydropyran-2,4...	154	C8H10O3	035236-83-0	38
3	Succinic acid, 3-methylbut-2-en-...	324	C19H32O4	1000391-17-1	38
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	38
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
Acq On : 27 Apr 2022 16:21
Operator : KP/MD
Sample : N2577-01
Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

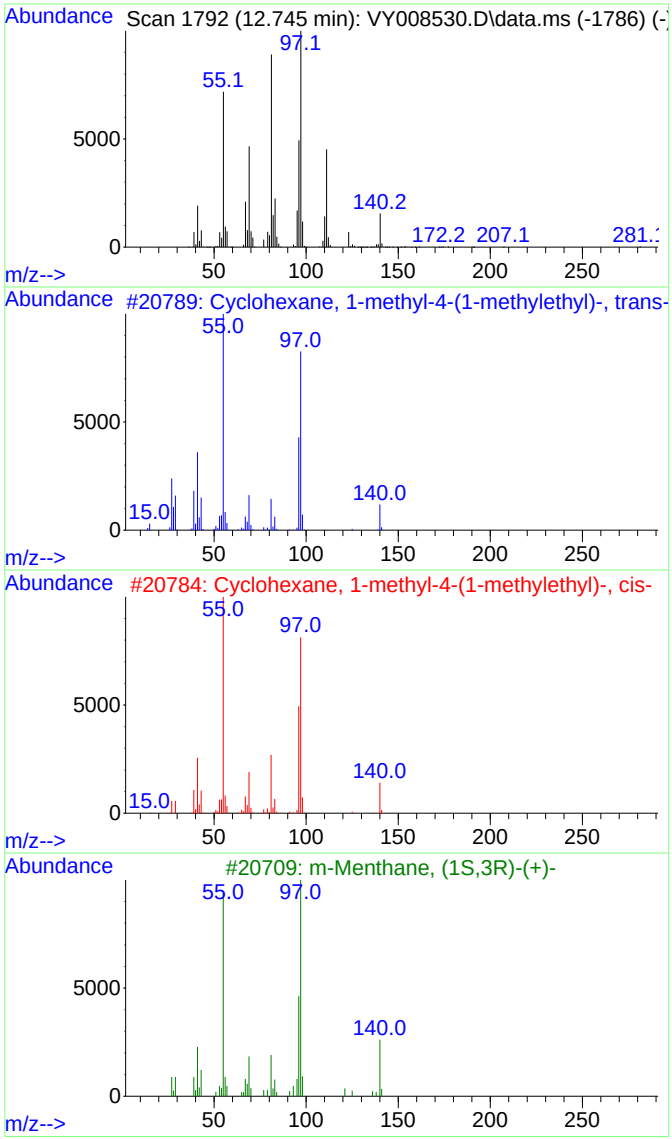
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

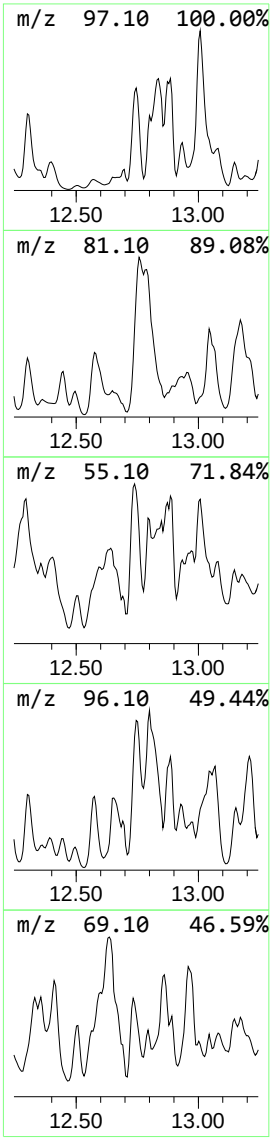
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown12.745 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.745	544.64 ug/l	51610800	1,4-Dichlorobenzene-d4	13.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
3	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	38
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
Acq On : 27 Apr 2022 16:21
Operator : KP/MD
Sample : N2577-01
Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

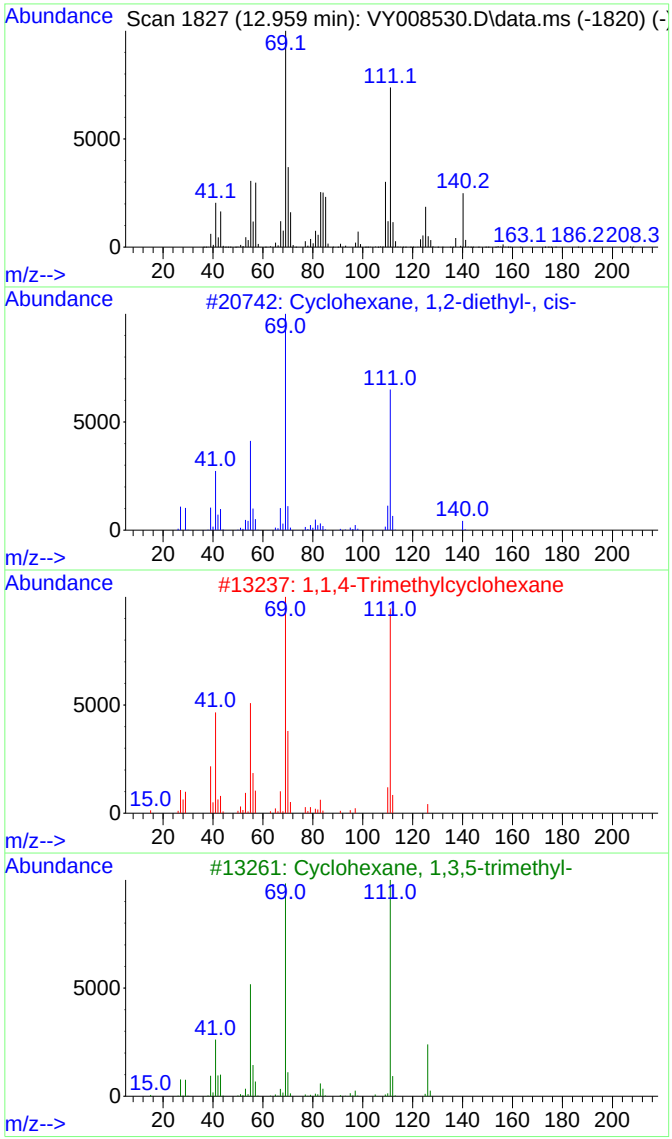
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260

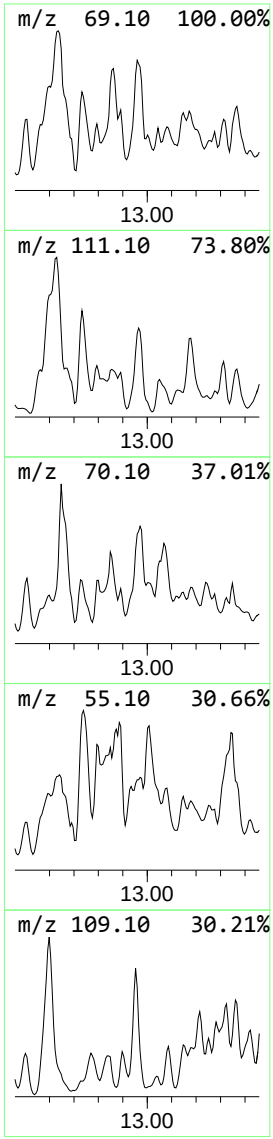
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, 1,2-diethyl-, ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.959	356.28 ug/l	33761400	1,4-Dichlorobenzene-d4	13.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	50
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	47
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	47
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	47
5	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
Data File : VY008530.D
Acq On : 27 Apr 2022 16:21
Operator : KP/MD
Sample : N2577-01
Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GT-08-(7.5-10)

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
Cyclohexane, 1,...	10.532	370.4	ug/l	28255100	3	11.496	3813760	50.0
Heptane, 2,6-di...	10.819	420.4	ug/l	32066600	3	11.496	3813760	50.0
Heptane, 2,5-di...	10.922	341.0	ug/l	26008100	3	11.496	3813760	50.0
Cyclohexane, et...	11.050	420.0	ug/l	32034600	3	11.496	3813760	50.0
Cyclohexane, 1,...	11.307	480.6	ug/l	36658900	3	11.496	3813760	50.0
Cyclopentane, 1...	11.691	350.2	ug/l	26708500	3	11.496	3813760	50.0
1H-Pyrazole, 4,...	12.008	504.0	ug/l	38444400	3	11.496	3813760	50.0
unknown12.593	12.593	593.6	ug/l	56254800	4	13.416	4738070	50.0
unknown12.745	12.745	544.6	ug/l	51610800	4	13.416	4738070	50.0
Cyclohexane, 1,...	12.959	356.3	ug/l	33761400	4	13.416	4738070	50.0