LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-4C

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\82Y041221S.M
Title : SW846 8260

Signal : TIC: VY004388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.393	90	94	100	rBV	12349	20187	1.80%	0.108%
2	2.564	113	122	123	rBV5	12613	31183	2.78%	0.166%
3	3.960	338	351	360	rBV	79359	217171	19.38%	1.157%
4	4.039	362	364	374	rVB4	5917	12894	1.15%	0.069%
5	4.210	383	392	415	rBV3	9376	58025	5.18%	0.309%
6	4.728	469	477	489	rVB3	8028	25733	2.30%	0.137%
7	6.996	839	849	862	rBV	14279	40661	3.63%	0.217%
8	7.728	960	969	975	rBV	132395	320296	28.59%	1.706%
9	7.801	975	981	991	rVB	233554	525056	46.86%	2.797%
10	8.155	1028	1039	1050	rBV	148724	339076	30.26%	1.806%
11	8.331	1061	1068	1075	rBV3	5271	13464	1.20%	0.072%
12	8.557	1094	1105	1116	rBV6	8105	20338	1.82%	0.108%
13	8.697	1119	1128	1140	rBV	376706	727011	64.89%	3.873%
14	8.929	1158	1166	1174	rBV3	6802	15153	1.35%	0.081%
15	9.154	1194	1203	1204	rBV	10653	20428	1.82%	0.109%
16	9.191	1204	1209	1214	rVV4	17603	36147	3.23%	0.193%
17	9.252	1214	1219	1223	rVV4	7223	12777	1.14%	0.068%
18	9.471	1246	1255	1261	rVB3	7774	16844	1.50%	0.090%
19	9.618	1272	1279	1288	rBV3	17346	35705	3.19%	0.190%
20	9.758	1293	1302	1307	rBV2	26666	52882	4.72%	0.282%
21	9.825	1307	1313	1316	rBV2	23799	41546	3.71%	0.221%
22	9.965	1326	1336	1348	rBV2	26894	83690	7.47%	0.446%
23	10.075	1348	1354	1357	rBV3	12981	23439	2.09%	0.125%
24	10.118	1357	1361	1365	rVB2	19511	32436	2.90%	0.173%
25	10.185	1365	1372	1380	rBV	649422	1120390	100.00%	5.969%
26	10.246	1380	1382	1386	rVB	11834	14571	1.30%	0.078%
27	10.374	1395	1403	1410	rVB5	20437	57841	5.16%	0.308%
28	10.483	1410	1421	1424	rBV3	15891	33092	2.95%	0.176%
29	10.526	1424	1428	1434	rVB	24059	40733	3.64%	0.217%
30	10.630	1437	1445	1449	rBV5	17711	44575	3.98%	0.237%
31	10.666	1449	1451	1455	rVV3	8631	11918	1.06%	0.063%
32	10.715	1455	1459	1464	rVB2	33219	52205	4.66%	0.278%
33	10.806	1468	1474	1481	rBV	83980	132576	11.83%	0.706%
34	10.910	1484	1491	1498	rBV	53571	115505	10.31%	0.615%
35	10.977	1498	1502	1505	rBV4	23226	35190	3.14%	0.187%
36	11.038	1508	1512	1516	rVV	49711	77976	6.96%	0.415%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
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Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-4C

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\82Y041221S.M
Title : SW846 8260

37	11.093	1516	1521	1527	rVV2	142246	253691	22.64%	1.352%
38	11.148	1527	1530	1534	rVV2	32004	43855	3.91%	0.234%
39	11.209	1534	1540	1544	rVV3	99426	169754	15.15%	0.904%
40	11.282	1544	1552	1563	rVB5	106446	365476	32.62%	1.947%
41	11.386	1563	1569	1573	rBV	94997	161721	14.43%	0.862%
42	11.495	1580	1587	1597	rBV	563321	941116	84.00%	5.014%
43	11.599	1601	1604	1606	rBV2	10566	14578	1.30%	0.078%
44	11.629	1606	1609	1612	rVB2	24644	29468	2.63%	0.157%
45	11.690	1612	1619	1623	rBV5	75045	189285	16.89%	1.008%
46	11.739	1623	1627	1631	rVV	118901	194411	17.35%	1.036%
47	11.782	1631	1634	1639	rVB2	91442	150889	13.47%	0.804%
48	11.843	1639	1644	1647	rBV3	36887	65719	5.87%	0.350%
49	11.892	1648	1652	1655	rBV3	17030	31041	2.77%	0.165%
50	11.934	1655	1659	1664	rVB2	46991	73149	6.53%	0.390%
51	12.007	1664	1671	1678	rBV4	194649	530522	47.35%	2.826%
52	12.129	1682	1691	1694	rVB	234256	396617	35.40%	2.113%
53	12.209	1694	1704	1706	rBV5	177055	370753	33.09%	1.975%
54	12.239	1706	1709	1715	rVB3	280501	504690	45.05%	2.689%
55	12.331	1720	1724	1728	rBV4	66313	141373	12.62%	0.753%
56	12.379	1729	1732	1737	rVB3	69840	114054	10.18%	0.608%
57	12.483	1744	1749	1754	rVB2	471625	769002	68.64%	4.097%
58	12.526	1754	1756	1759	rBV3	15995	16232	1.45%	0.086%
59	12.574	1760	1764	1768	rBV4	63092	109084	9.74%	0.581%
60	12.648	1771	1776	1783	rVB3	258800	505419	45.11%	2.693%
61	12.733	1783	1790	1794	rBV4	135850	336431	30.03%	1.792%
62	12.812	1796	1803	1808	rBV5	281931	682645	60.93%	3.637%
63	12.934	1817	1823	1829	rBV	368007	746737	66.65%	3.978%
64	13.001	1829	1834	1838	rVV	561675	901311	80.45%	4.802%
65	13.044	1838	1841	1849	rVB2	267979	485704	43.35%	2.588%
66	13.172	1859	1862	1868	rBV5	95283	171861	15.34%	0.916%
67	13.288	1878	1881	1884	rBV3	141307	216249	19.30%	1.152%
68	13.324	1884	1887	1890	rVB	133887	175158	15.63%	0.933%
69	13.428	1898	1904	1910	rBV	548726	871986	77.83%	4.645%
70	13.574	1923	1928	1931	rBV3	120636	176364	15.74%	0.940%
71	13.623	1932	1936	1941	rBV6	40091	85316	7.61%	0.455%
72	13.751	1952	1957	1962	rBV2	283300	487283	43.49%	2.596%
73	13.800	1962	1965	1969	rVV2	47033	75522	6.74%	0.402%
74	13.922	1982	1985	1991	rBV6	50307	107230	9.57%	0.571%
75	14.080	2007	2011	2017	rBV6	99613	181128	16.17%	0.965%
76	14.147	2017	2022	2028	rVV5	79822	173536	15.49%	0.925%

LSC Area Percent Report

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Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-4C

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\82Y041221S.M
Title : SW846 8260

77	14.202	2028	2031	2035	rVV5	30174	44680	3.99%	0.238%
78	14.263	2035	2041	2056	rVB10	208397	618676	55.22%	3.296%
79	14.385	2057	2061	2064	rBV5	96177	159665	14.25%	0.851%
80	14.428	2064	2068	2072	rVB3	176405	252615	22.55%	1.346%
81	14.617	2096	2099	2103	rVB3	63815	78594	7.01%	0.419%
82	14.678	2105	2109	2115	rVV4	95648	222124	19.83%	1.183%
83	14.739	2115	2119	2125	rVB3	123002	204336	18.24%	1.089%
84	14.946	2150	2153	2157	rVB4	65658	89772	8.01%	0.478%
85	15.220	2193	2198	2205	rBV4	62495	167416	14.94%	0.892%
86	15.440	2231	2234	2242	rVB8	39737	78845	7.04%	0.420%
87	15.610	2258	2262	2267	rVB3	54797	95664	8.54%	0.510%
88	16.025	2326	2330	2337	rVB7	34512	76967	6.87%	0.410%
89	16.165	2349	2353	2357	rBV6	17697	26450	2.36%	0.141%
90	16.494	2401	2407	2420	rVB5	66290	179890	16.06%	0.958%

Sum of corrected areas: 18770768

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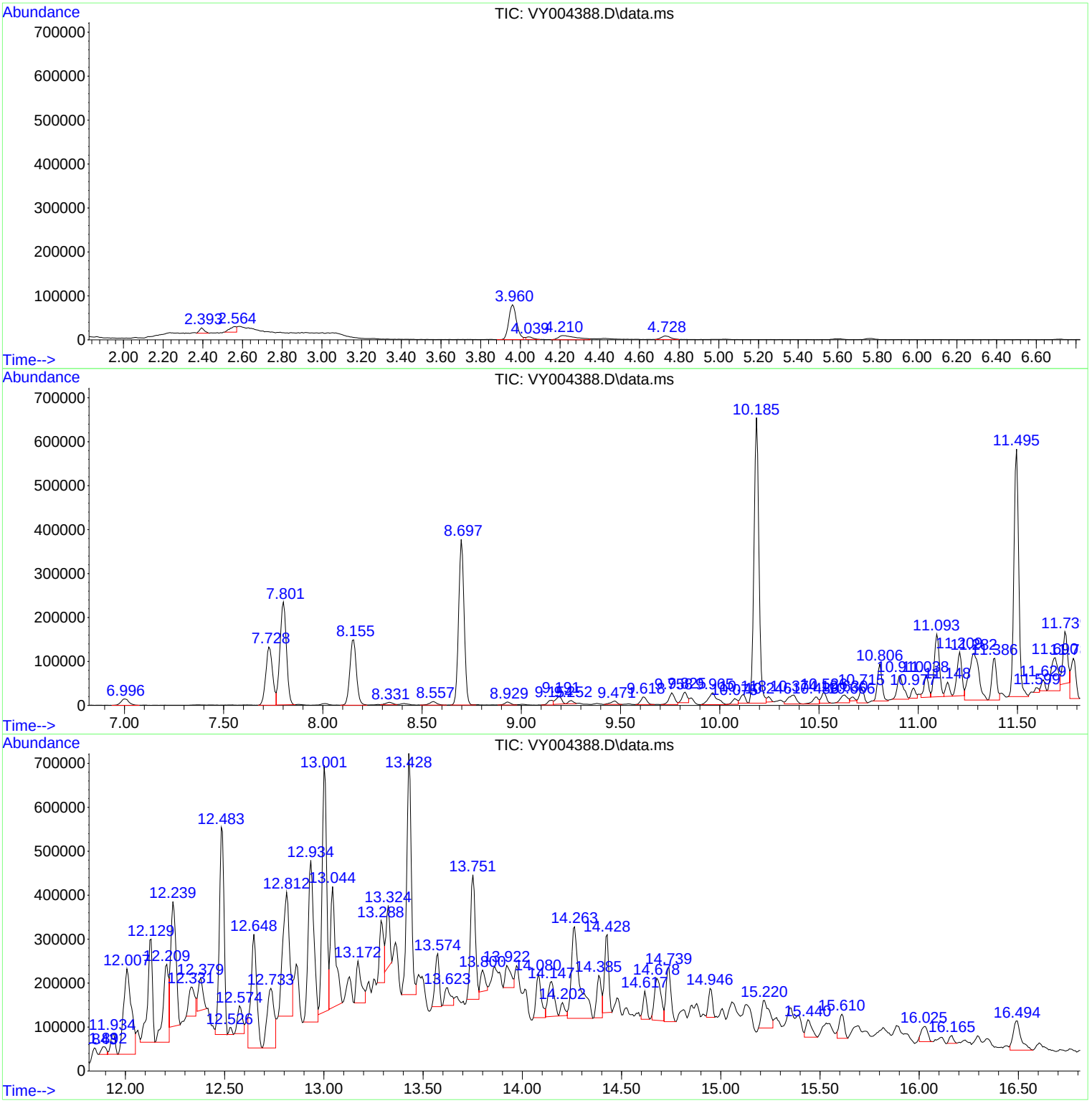
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

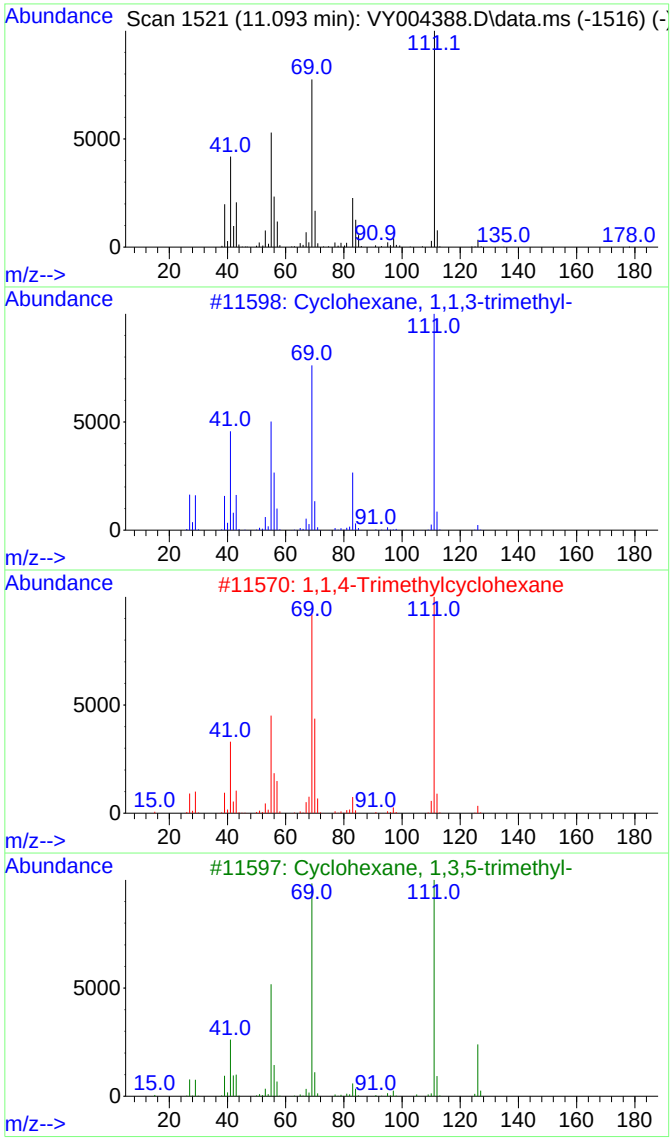
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

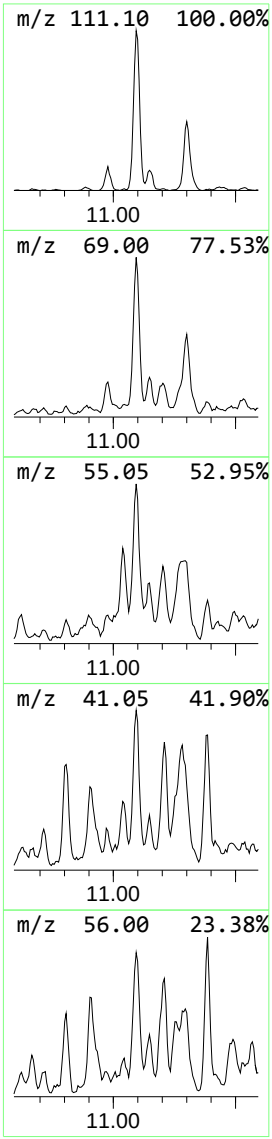
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.093	13.48 ug/l	253691	Chlorobenzene-d5	11.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	64
5	2-Methyl-2-heptene	112	C8H16	000627-97-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

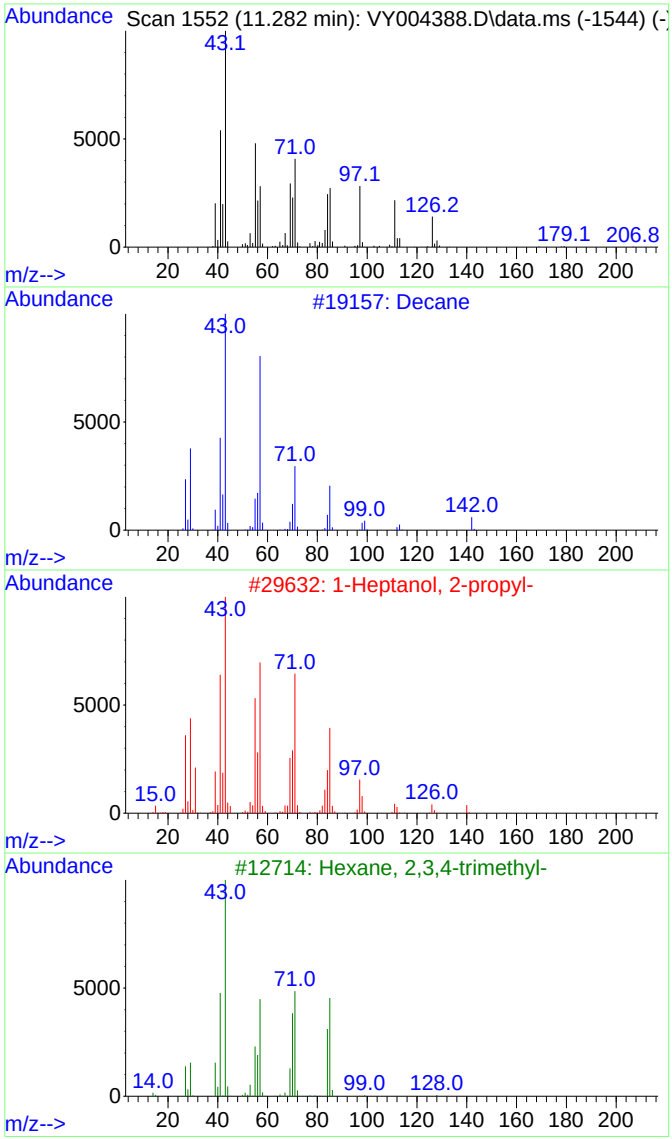
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

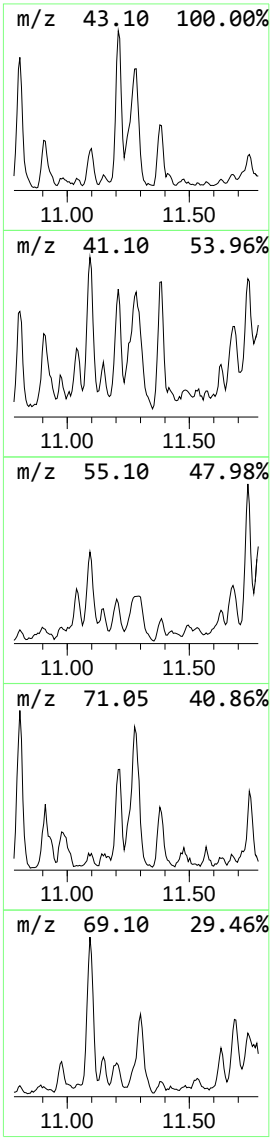
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 unknown11.282 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	19.42 ug/l	365476	Chlorobenzene-d5	11.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	47
2	1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	47
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
4	Octane, 2-methyl-	128	C9H20	003221-61-2	43
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	43





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

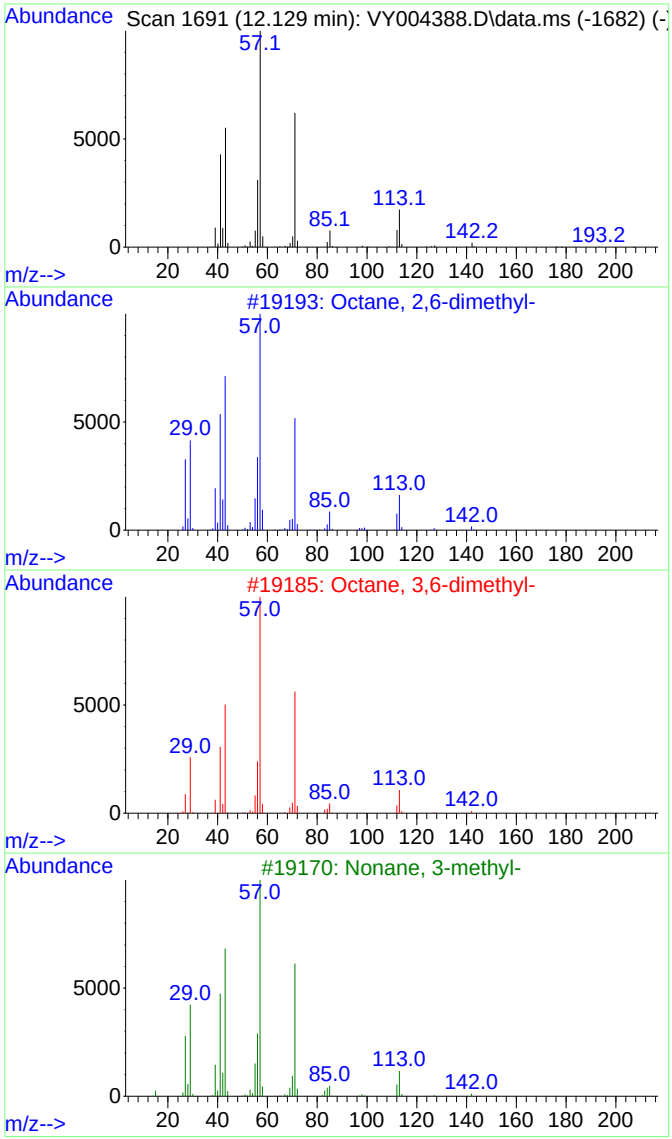
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

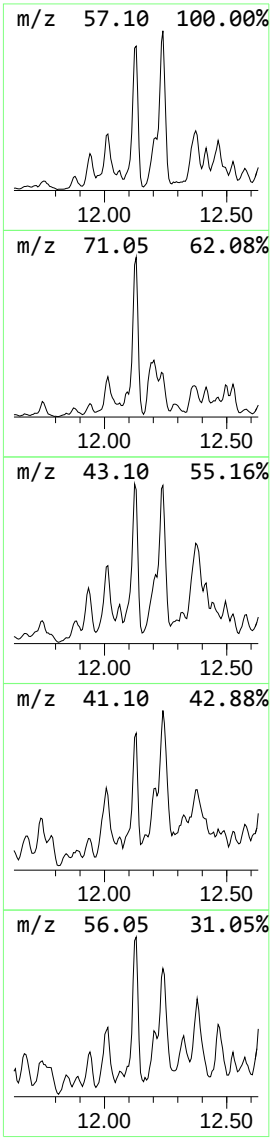
****

Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.129	21.07 ug/l	396617	Chlorobenzene-d5	11.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64





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Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

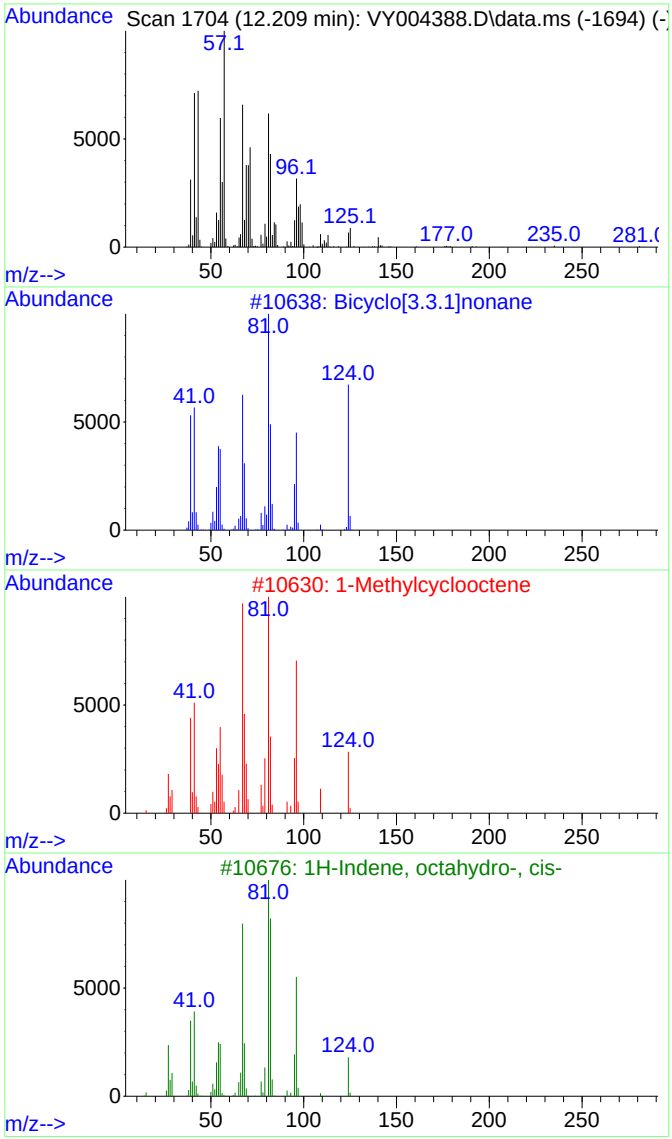
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

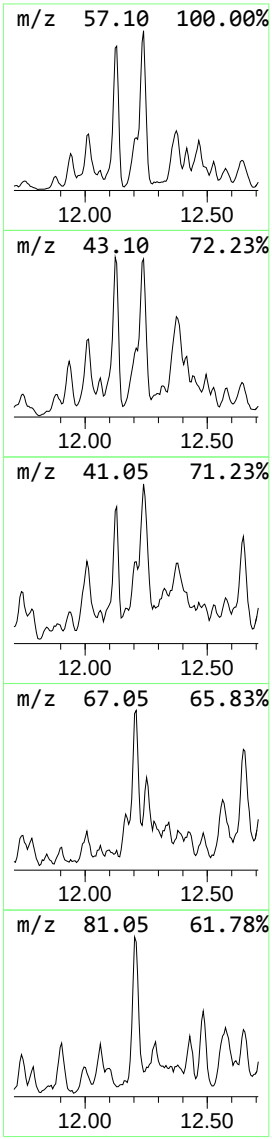
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown12.209 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.209	19.70 ug/l	370753	Chlorobenzene-d5	11.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	43
2	1-Methylcyclooctene	124	C9H16	000933-11-9	38
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	35
5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	30





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

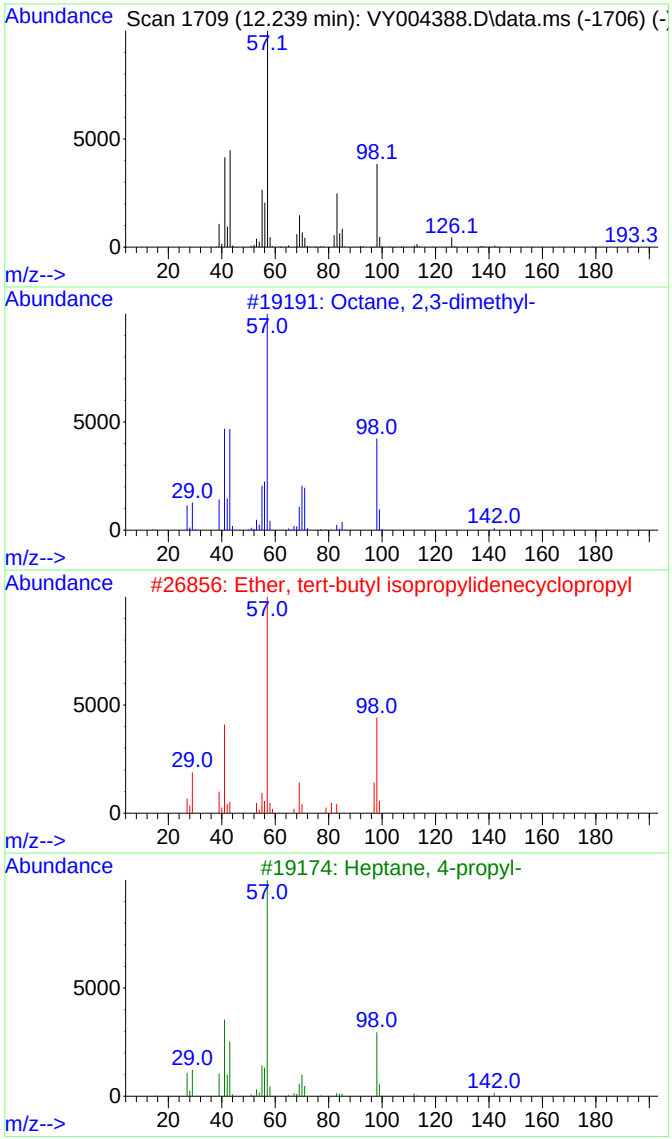
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

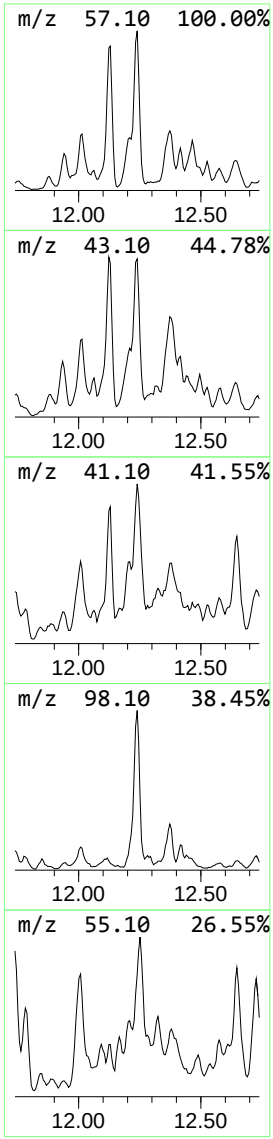
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Octane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.239	26.81 ug/l	504690	Chlorobenzene-d5	11.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
2	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	50
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	42
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	37
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

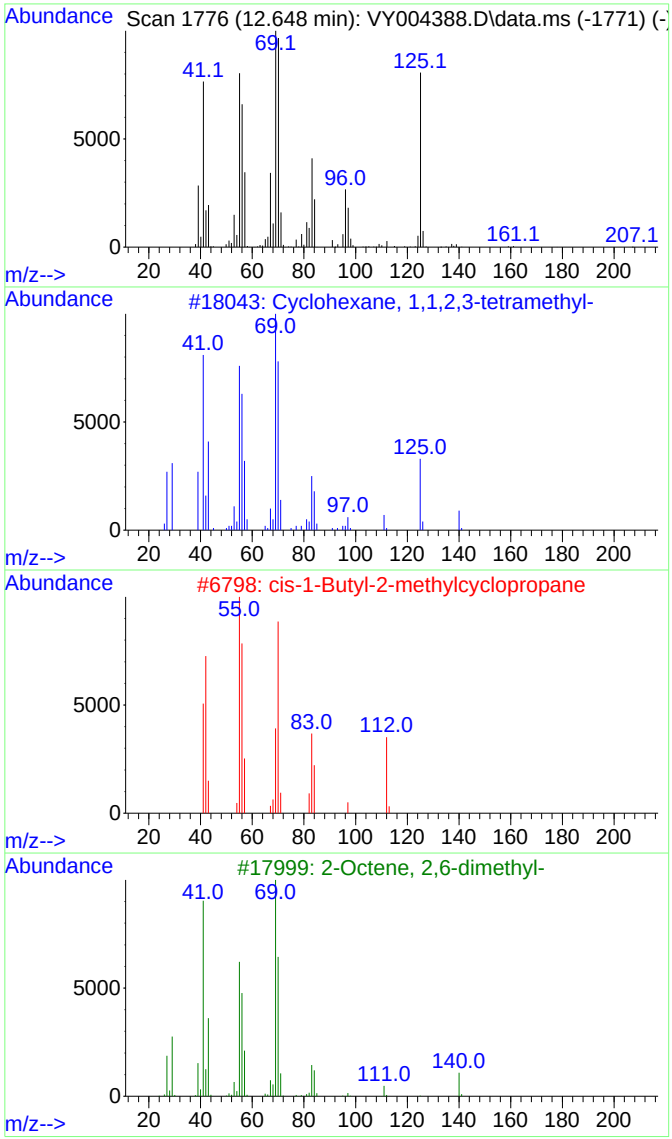
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

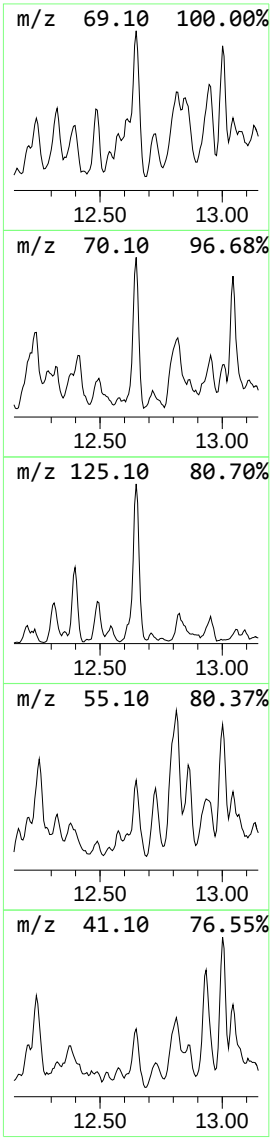
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.648	28.98 ug/l	505419	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	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	45
5	2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

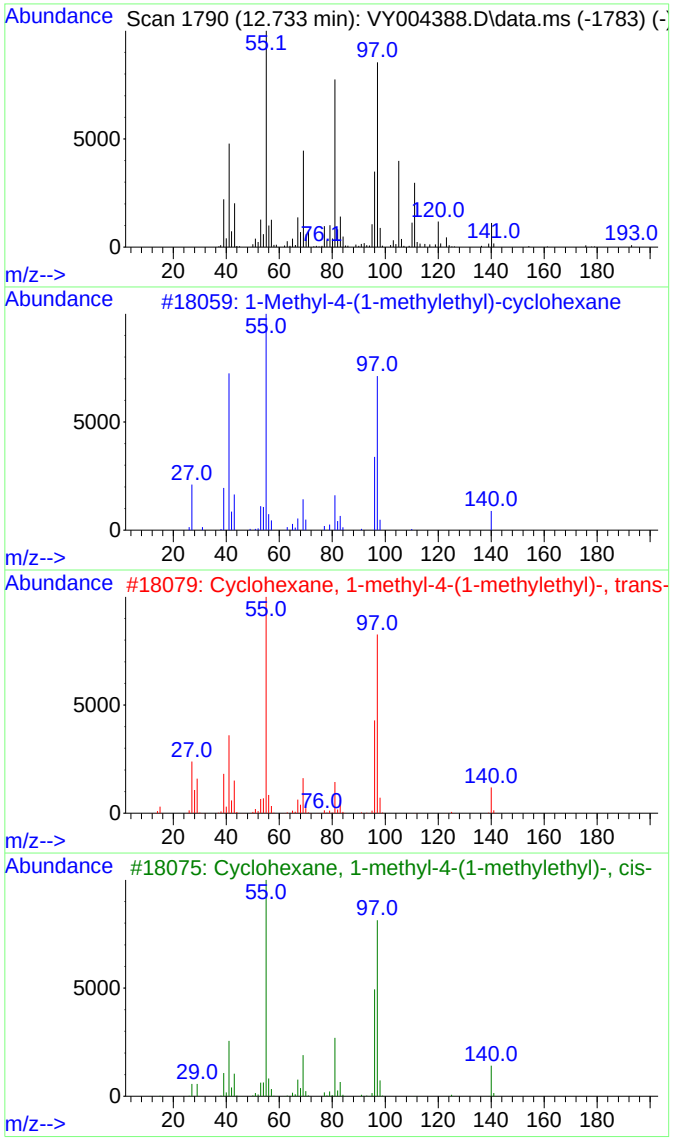
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

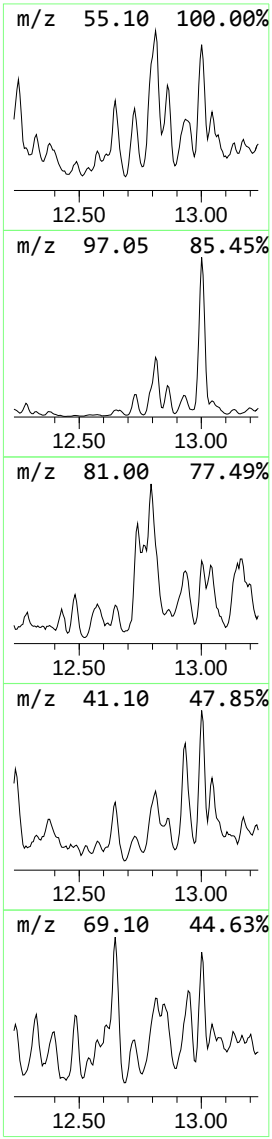
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown12.733 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	19.29 ug/l	336431	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	45
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
4	1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	38
5	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	38





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

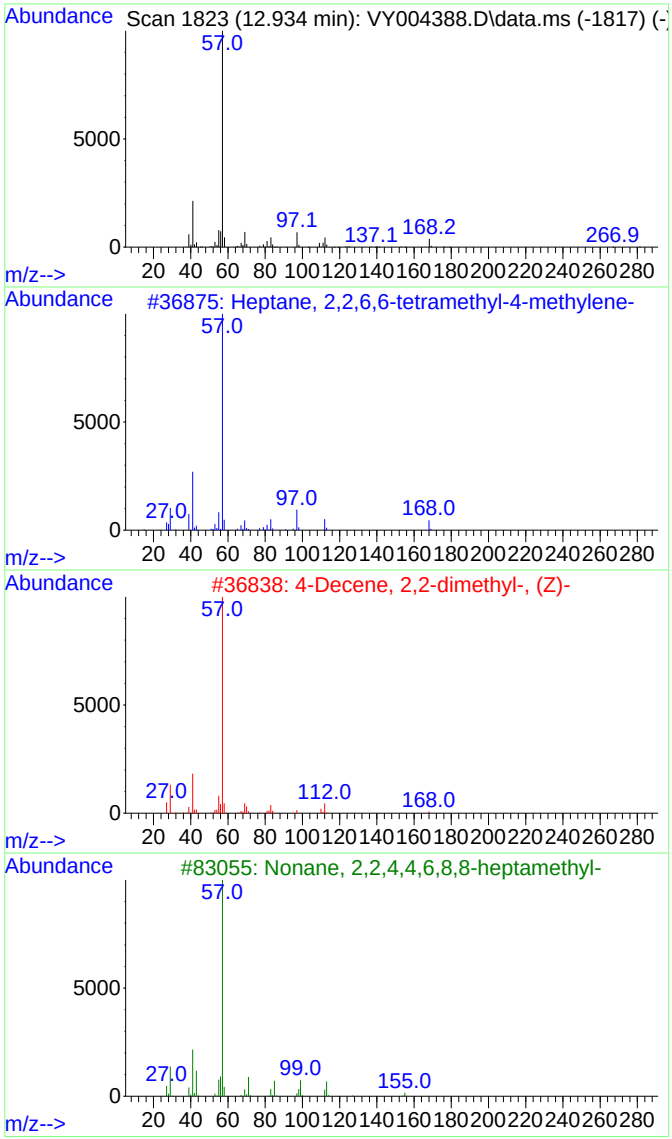
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

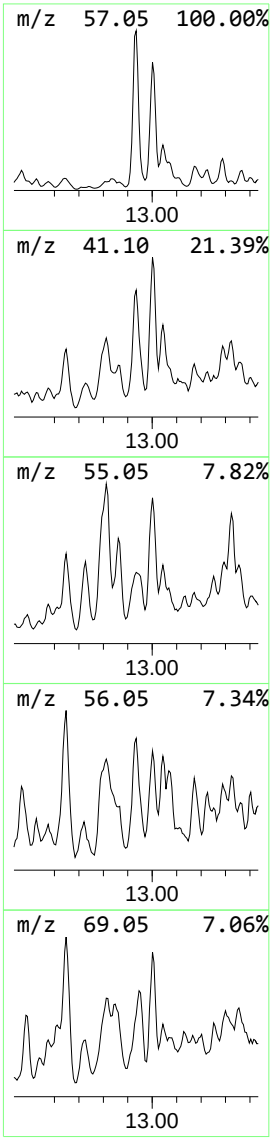
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Heptane, 2,2,6,6-tetramethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.934	42.82 ug/l	746737	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	87
2	4-Decene, 2,2-dimethyl-, (Z)-	168	C12H24	055499-03-1	40
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	38
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	35
5	Sulfone, 2-hydroxyoctyl t-butyl	250	C12H26O3S	1000161-82-7	28





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

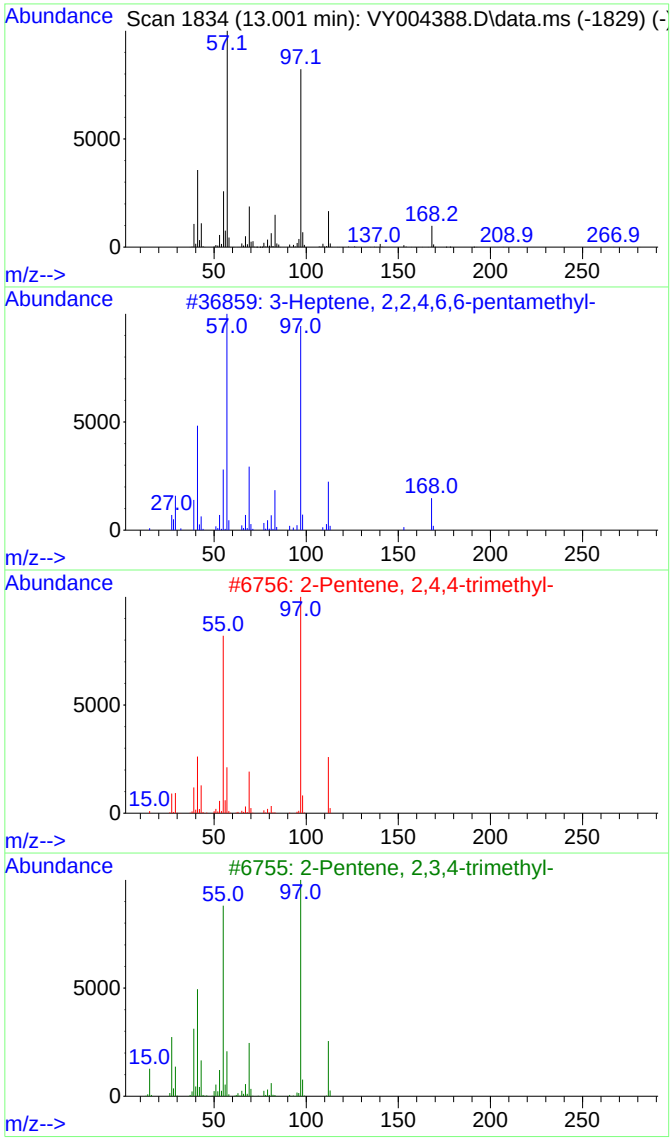
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

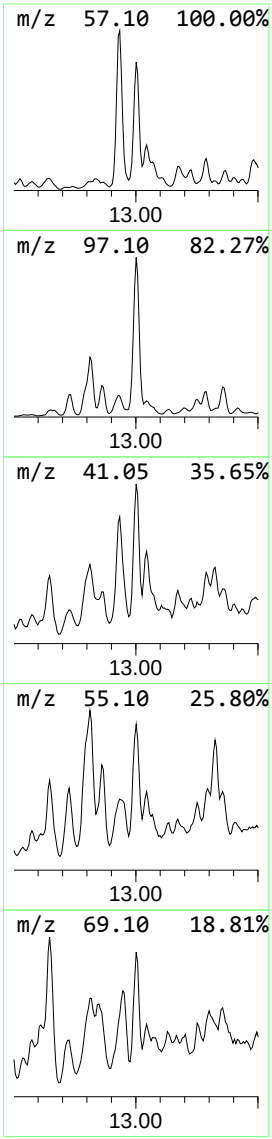
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.001	51.68 ug/l	901311	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	93
2	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
3	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	59
4	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	58
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	53





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

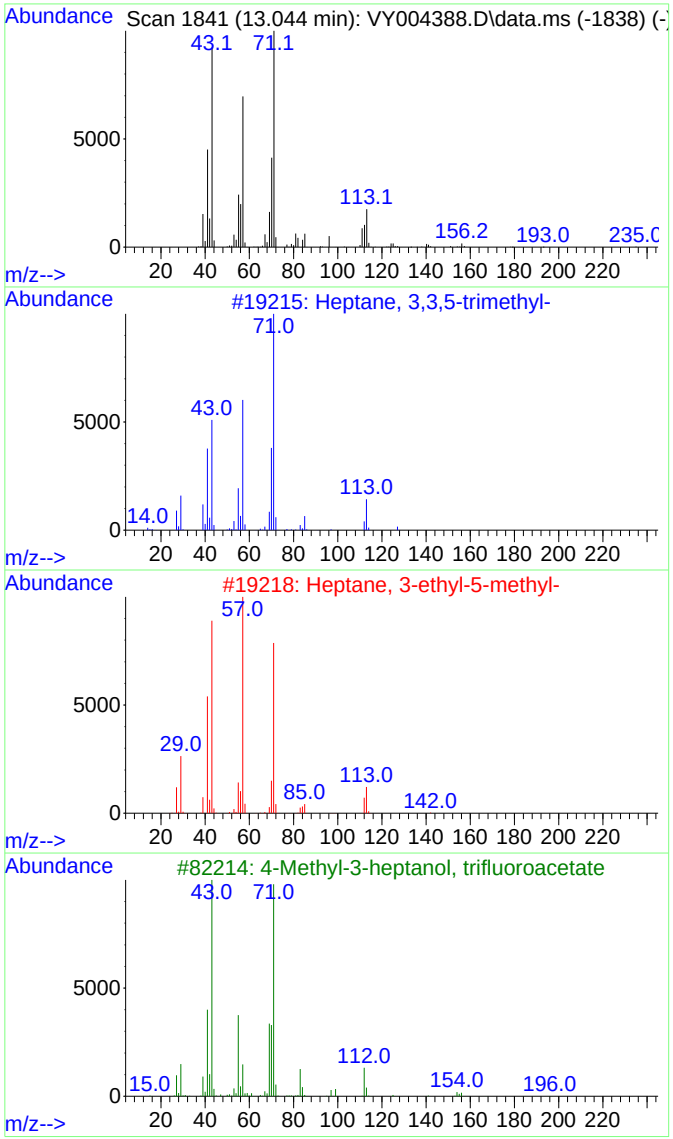
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

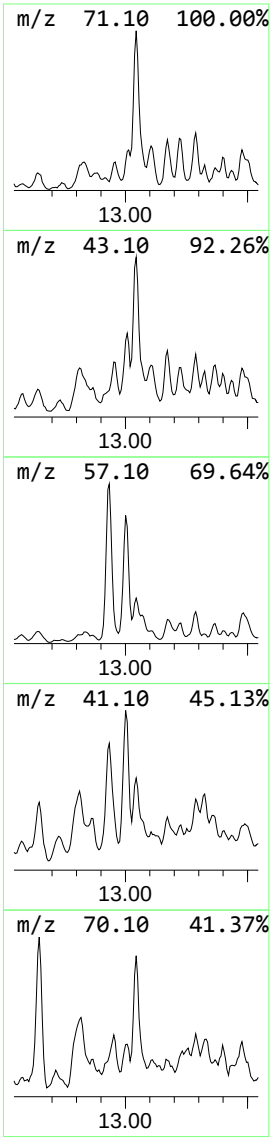
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Heptane, 3,3,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.044	27.85 ug/l	485704	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	58
3	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	53
4	n-Amyl ether	158	C10H22O	000693-65-2	50
5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	47





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

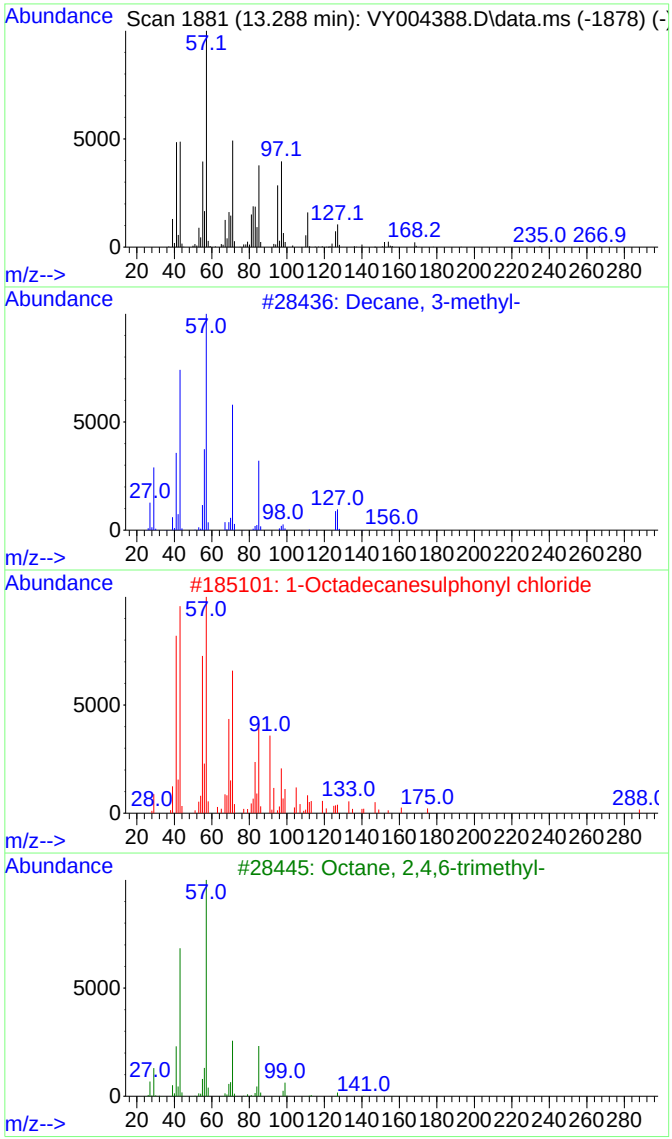
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

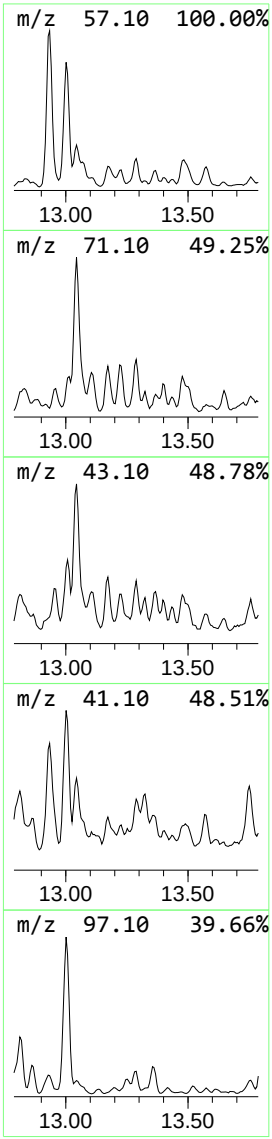
****

Peak Number 11 unknown13.288 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.288	12.40 ug/l	216249	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	46
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	43
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38
4	Tetradecane	198	C14H30	000629-59-4	38
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	38





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

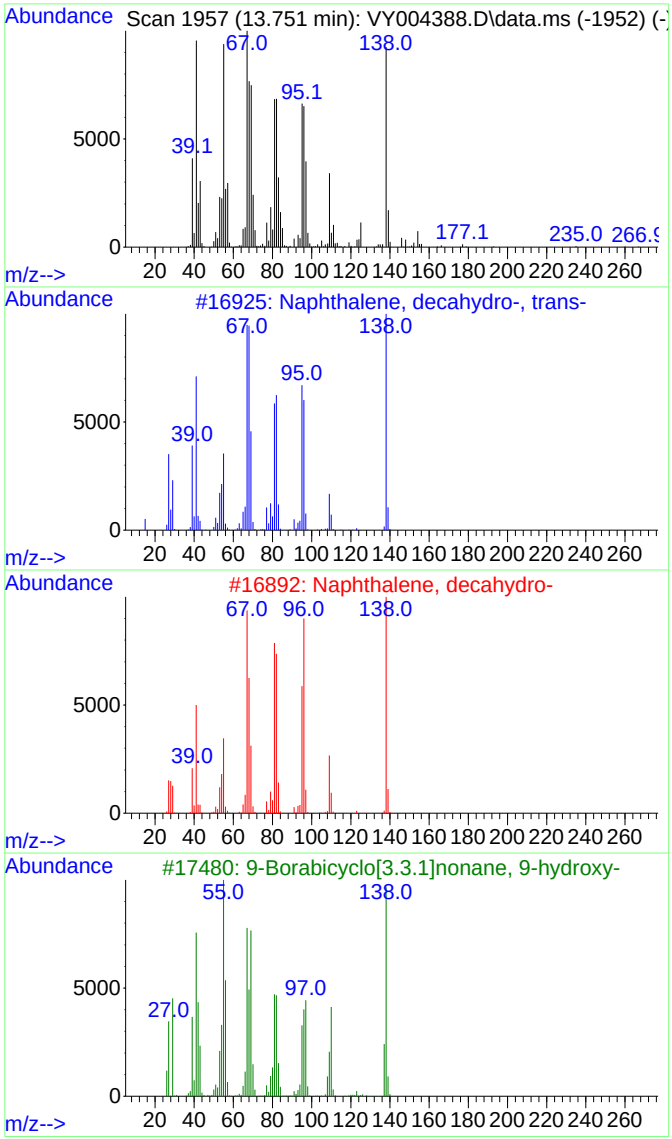
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

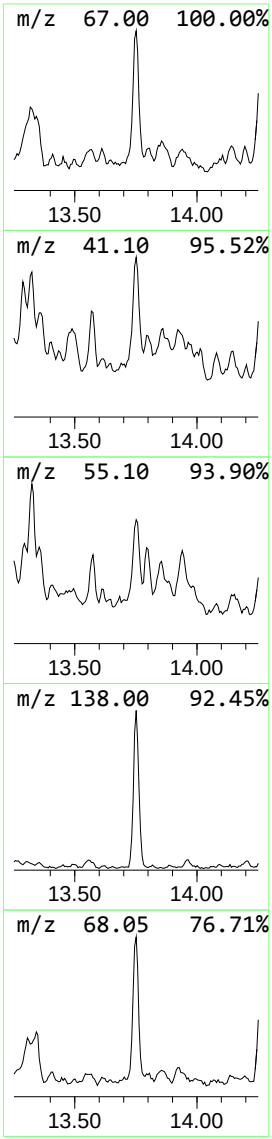
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	27.94 ug/l	487283	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	86
3	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	76
4	Succinic acid, di(dec-4-enyl) ester	394	C24H42O4	1000353-47-2	68
5	Cyclodecanol	156	C10H20O	001502-05-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

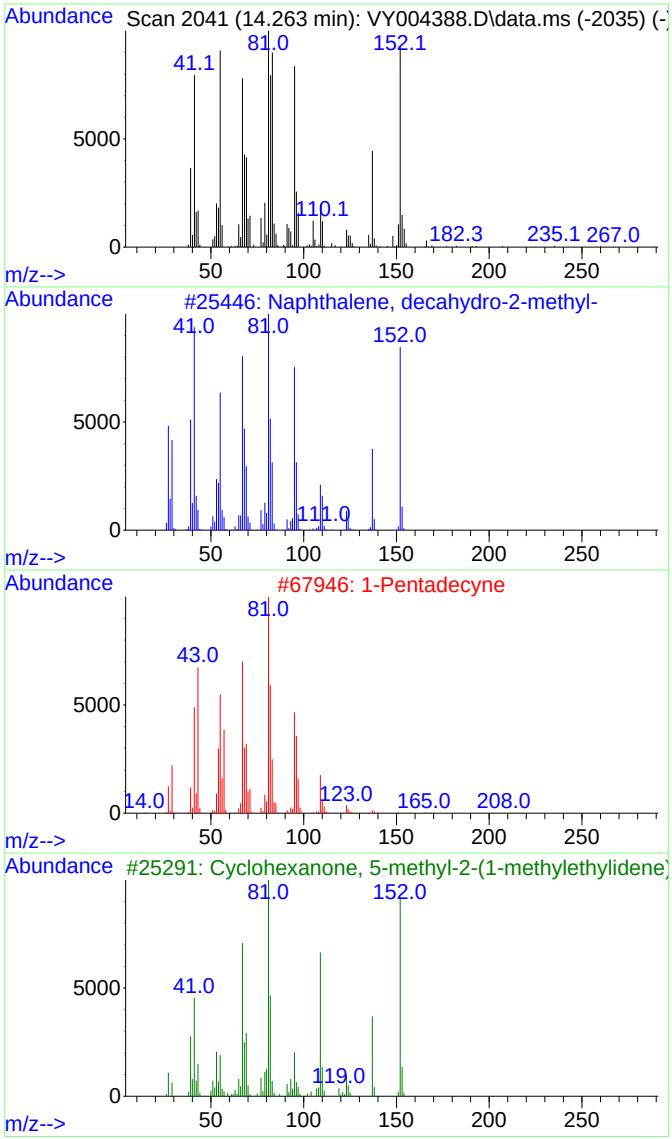
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

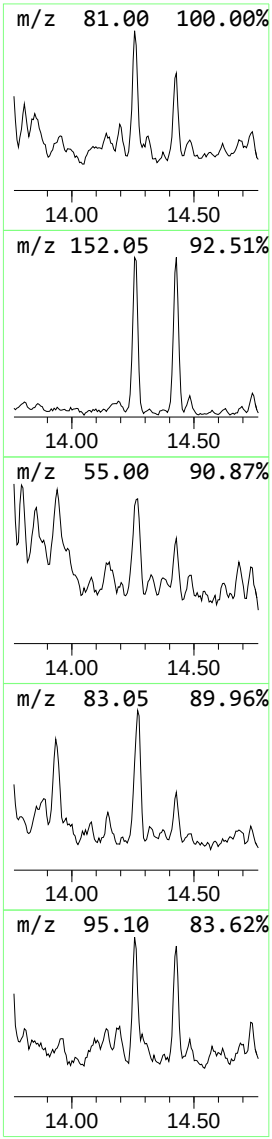
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	35.48 ug/l	618676	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	1-Pentadecyne	208	C15H28	000765-13-9	78
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	62
5	Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	55





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Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

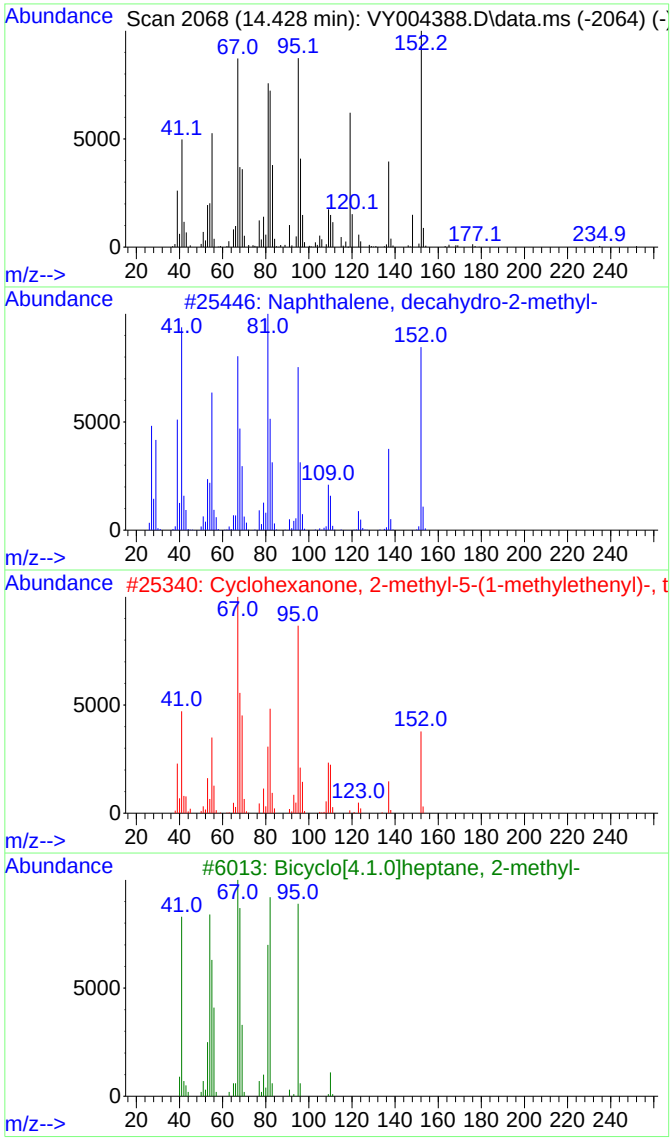
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

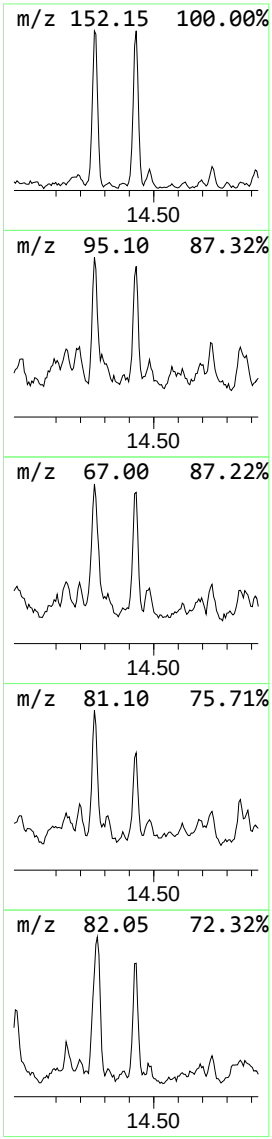
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclohexanone, 2-methyl-5-(... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.428	14.48 ug/l	252615	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
2	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	52
3	Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	49
4	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	46
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	46





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Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4C

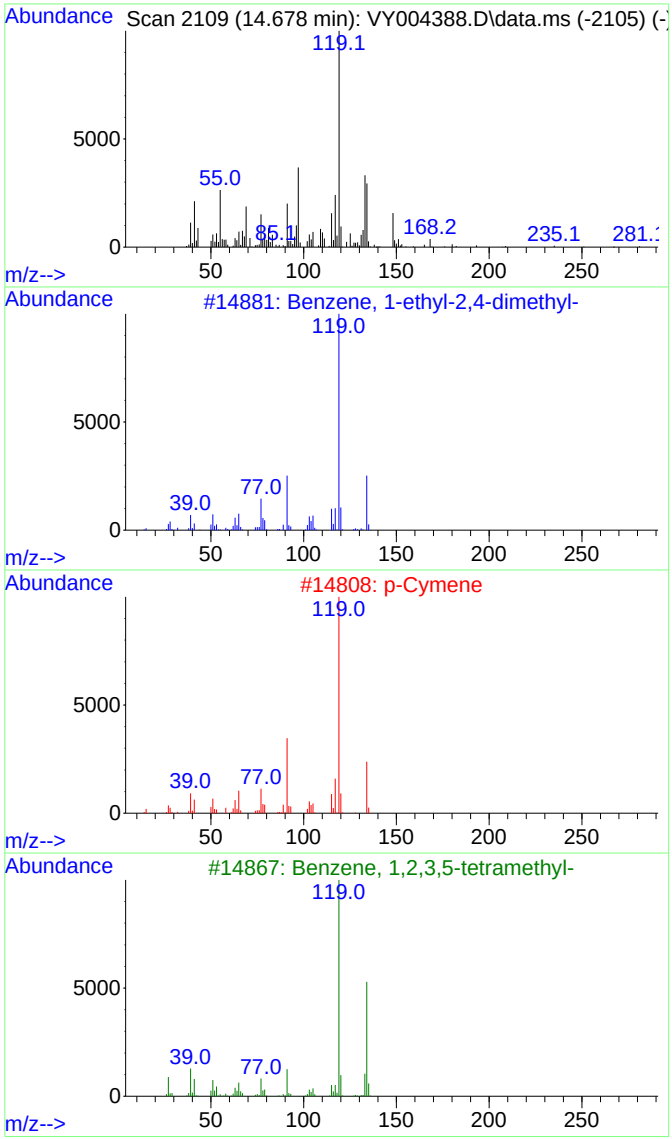
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

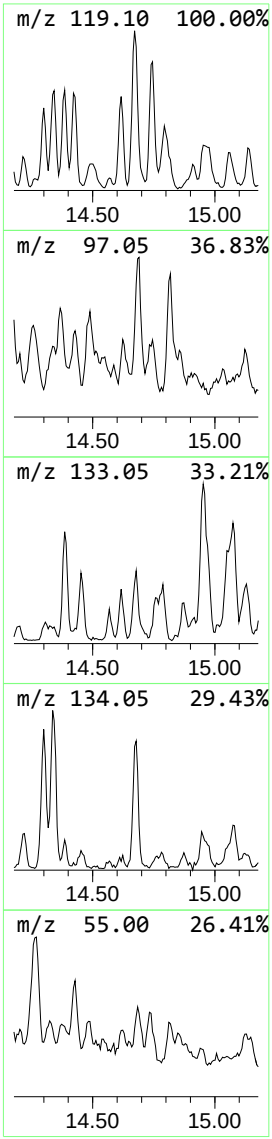
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	12.74 ug/l	222124	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
2	p-Cymene	134	C10H14	000099-87-6	60
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
Data File : VY004388.D
Acq On : 12 Apr 2021 16:50
Operator : SY/MD
Sample : M1998-07
Misc : 4.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-4C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
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Cyclohexane, 1,...	11.093	13.5	ug/l	253691	3	11.495	941116	50.0
unknown11.282	11.282	19.4	ug/l	365476	3	11.495	941116	50.0
Octane, 2,6-dim...	12.129	21.1	ug/l	396617	3	11.495	941116	50.0
unknown12.209	12.209	19.7	ug/l	370753	3	11.495	941116	50.0
Octane, 2,3-dim...	12.239	26.8	ug/l	504690	3	11.495	941116	50.0
Cyclohexane, 1,...	12.648	29.0	ug/l	505419	4	13.428	871986	50.0
unknown12.733	12.733	19.3	ug/l	336431	4	13.428	871986	50.0
Heptane, 2,2,6,...	12.934	42.8	ug/l	746737	4	13.428	871986	50.0
3-Heptene, 2,2,...	13.001	51.7	ug/l	901311	4	13.428	871986	50.0
Heptane, 3,3,5-...	13.044	27.9	ug/l	485704	4	13.428	871986	50.0
unknown13.288	13.288	12.4	ug/l	216249	4	13.428	871986	50.0
Naphthalene, de...	13.751	27.9	ug/l	487283	4	13.428	871986	50.0
Naphthalene, de...	14.263	35.5	ug/l	618676	4	13.428	871986	50.0
Cyclohexanone, ...	14.428	14.5	ug/l	252615	4	13.428	871986	50.0
Benzene, 1-ethy...	14.678	12.7	ug/l	222124	4	13.428	871986	50.0