LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
Data File : VY000301.D
Acq On : 14 Oct 2019 15:59
Operator : SY/MD
Sample : K5325-03
Misc : 9.43g/5.00ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

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\82Y101119S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.859	17	20	26	rVB2	12256	17454	1.30%	0.181%
2	2.219	74	79	86	rBV4	12243	27659	2.05%	0.287%
3	4.718	481	489	498	rBV5	6242	19742	1.47%	0.205%
4	7.730	971	983	989	rBV	186807	440377	32.71%	4.569%
5	7.803	989	995	1007	rVB	290472	650677	48.33%	6.750%
6	8.151	1043	1052	1063	rBV	192736	421924	31.34%	4.377%
7	8.699	1131	1142	1157	rBV	498899	986379	73.26%	10.233%
8	10.187	1377	1386	1395	rBV	755011	1346440	100.00%	13.969%
9	11.296	1558	1568	1576	rBV7	7937	23515	1.75%	0.244%
10	11.491	1593	1600	1610	rVB	698844	1136770	84.43%	11.793%
11	11.626	1615	1622	1626	rBV5	10365	20261	1.50%	0.210%
12	11.680	1626	1631	1634	rVV5	14333	28136	2.09%	0.292%
13	11.735	1634	1640	1644	rVV3	26623	53727	3.99%	0.557%
14	11.778	1644	1647	1652	rVB4	16182	25095	1.86%	0.260%
15	11.839	1652	1657	1661	rBV5	7970	14588	1.08%	0.151%
16	12.003	1676	1684	1691	rBV5	50249	131873	9.79%	1.368%
17	12.119	1699	1703	1707	rVB	42677	61009	4.53%	0.633%
18	12.205	1712	1717	1719	rVV5	27706	50335	3.74%	0.522%
19	12.241	1719	1723	1728	rVV5	48311	101939	7.57%	1.058%
20	12.320	1732	1736	1739	rVV4	19835	27184	2.02%	0.282%
21	12.375	1743	1745	1748	rVB3	13085	14119	1.05%	0.146%
22	12.479	1756	1762	1768	rBV	540319	847196	62.92%	8.789%
23	12.534	1768	1771	1774	rVV5	15138	26228	1.95%	0.272%
24	12.570	1774	1777	1781	rVV3	21238	34393	2.55%	0.357%
25	12.644	1785	1789	1795	rVB4	62247	113954	8.46%	1.182%
26	12.723	1795	1802	1806	rBV5	38911	87618	6.51%	0.909%
27	12.808	1808	1816	1821	rVV4	90526	223421	16.59%	2.318%
28	12.857	1821	1824	1830	rVB6	48819	78480	5.83%	0.814%
29	12.924	1830	1835	1836	rBV4	14325	25281	1.88%	0.262%
30	12.948	1836	1839	1842	rVB3	30221	40177	2.98%	0.417%
31	13.003	1842	1848	1851	rBV5	27659	60086	4.46%	0.623%
32	13.040	1851	1854	1862	rVB3	67640	108359	8.05%	1.124%
33	13.162	1872	1874	1880	rBV7	12198	22486	1.67%	0.233%
34	13.247	1886	1888	1892	rVB4	19899	21022	1.56%	0.218%

LSC Area Percent Report

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Operator : SY/MD
Sample : K5325-03
Misc : 9.43g/5.00ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

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\82Y101119S.M
Title : SW846 8260

35	13.320	1892	1900	1904	rBV6	56453	144058	10.70%	1.495%
36	13.424	1911	1917	1925	rVB	651226	1017234	75.55%	10.553%
37	13.613	1944	1948	1952	rBV6	13986	23066	1.71%	0.239%
38	13.698	1959	1962	1965	rVB5	11035	13539	1.01%	0.140%
39	13.747	1965	1970	1975	rBV3	68121	112966	8.39%	1.172%
40	13.967	2003	2006	2013	rVB5	13501	25318	1.88%	0.263%
41	14.076	2019	2024	2029	rBV4	17959	36310	2.70%	0.377%
42	14.137	2029	2034	2041	rBV10	12846	29537	2.19%	0.306%
43	14.198	2041	2044	2049	rVB5	11998	21346	1.59%	0.221%
44	14.259	2049	2054	2058	rBV6	35597	72837	5.41%	0.756%
45	14.387	2070	2075	2077	rVV3	23798	37336	2.77%	0.387%
46	14.418	2077	2080	2084	rVV2	34731	54388	4.04%	0.564%
47	14.479	2087	2090	2095	rVV6	17761	30063	2.23%	0.312%
48	14.613	2108	2112	2117	rVB3	37787	55434	4.12%	0.575%
49	14.674	2117	2122	2128	rBV4	53887	115656	8.59%	1.200%
50	14.735	2128	2132	2137	rVB3	53020	85681	6.36%	0.889%
51	14.790	2137	2141	2147	rBV9	17258	35600	2.64%	0.369%
52	14.851	2148	2151	2152	rBV3	25545	26333	1.96%	0.273%
53	14.942	2161	2166	2173	rBV4	66647	136839	10.16%	1.420%
54	15.137	2194	2198	2204	rVB6	33976	64181	4.77%	0.666%
55	15.216	2205	2211	2215	rBV6	31094	69230	5.14%	0.718%
56	15.350	2228	2233	2237	rBV7	24782	43889	3.26%	0.455%
57	15.442	2243	2248	2252	rBV7	20947	37357	2.77%	0.388%
58	16.027	2340	2344	2351	rVB3	27325	46952	3.49%	0.487%
59	16.356	2394	2398	2402	rBV7	8117	16033	1.19%	0.166%

Sum of corrected areas: 9639087

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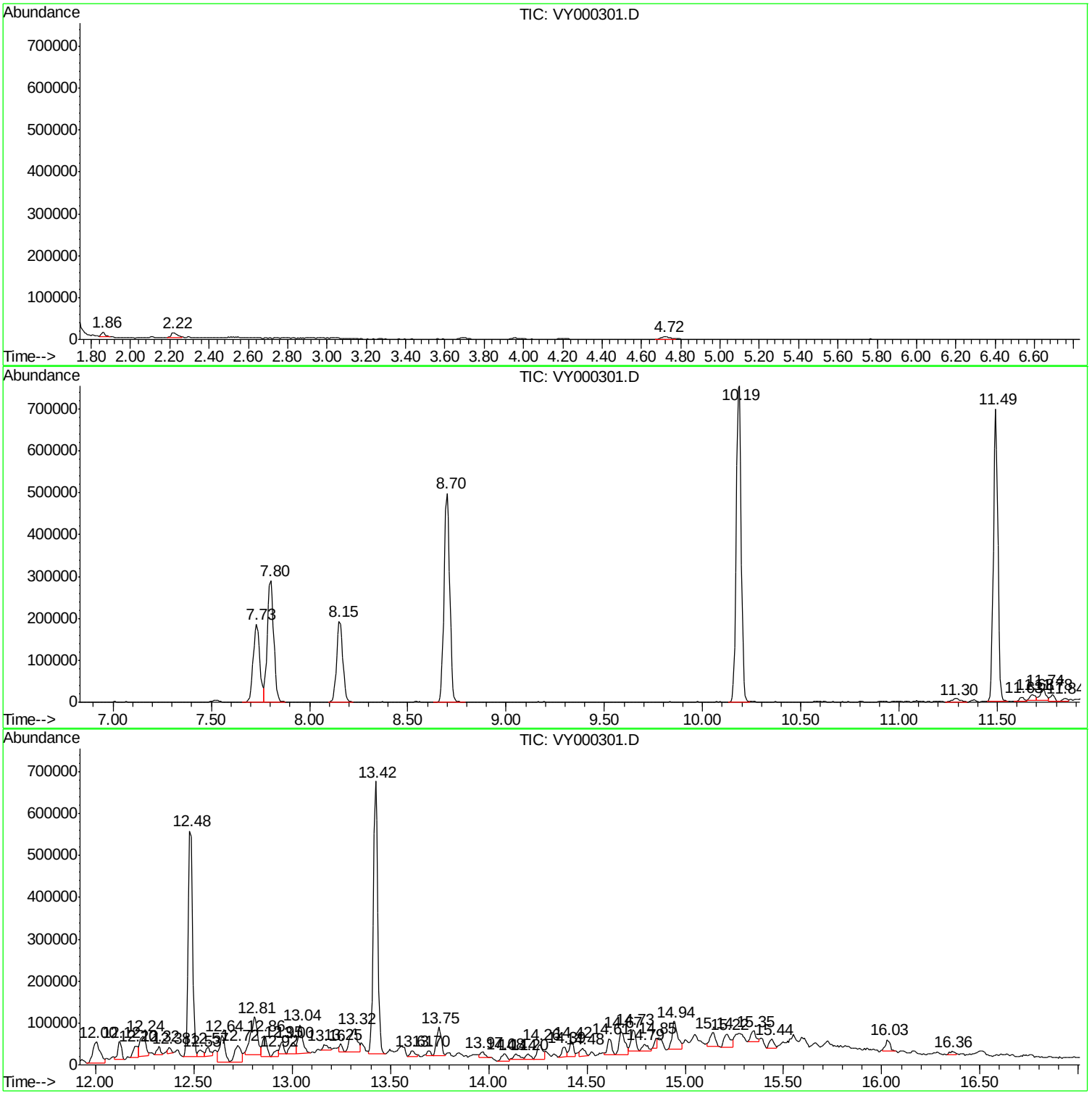
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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



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Operator : SY/MD
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TIC Integration Parameters: LSCINT.P

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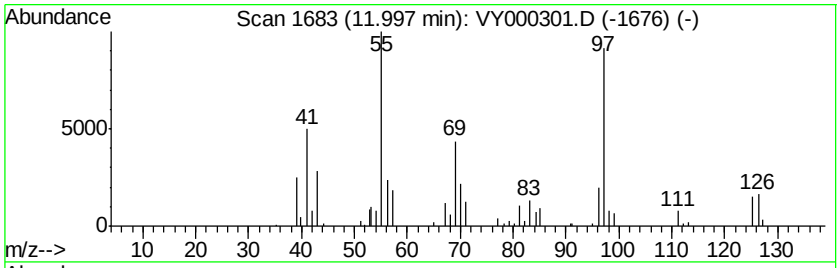
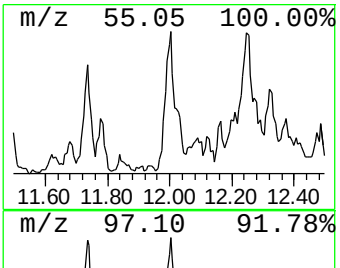
Peak Number 1 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.80 ug/l	131873	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	58
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	58
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101419\
Data File : VY000301.D
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Operator : SY/MD
Sample : K5325-03
Misc : 9.43g/5.00ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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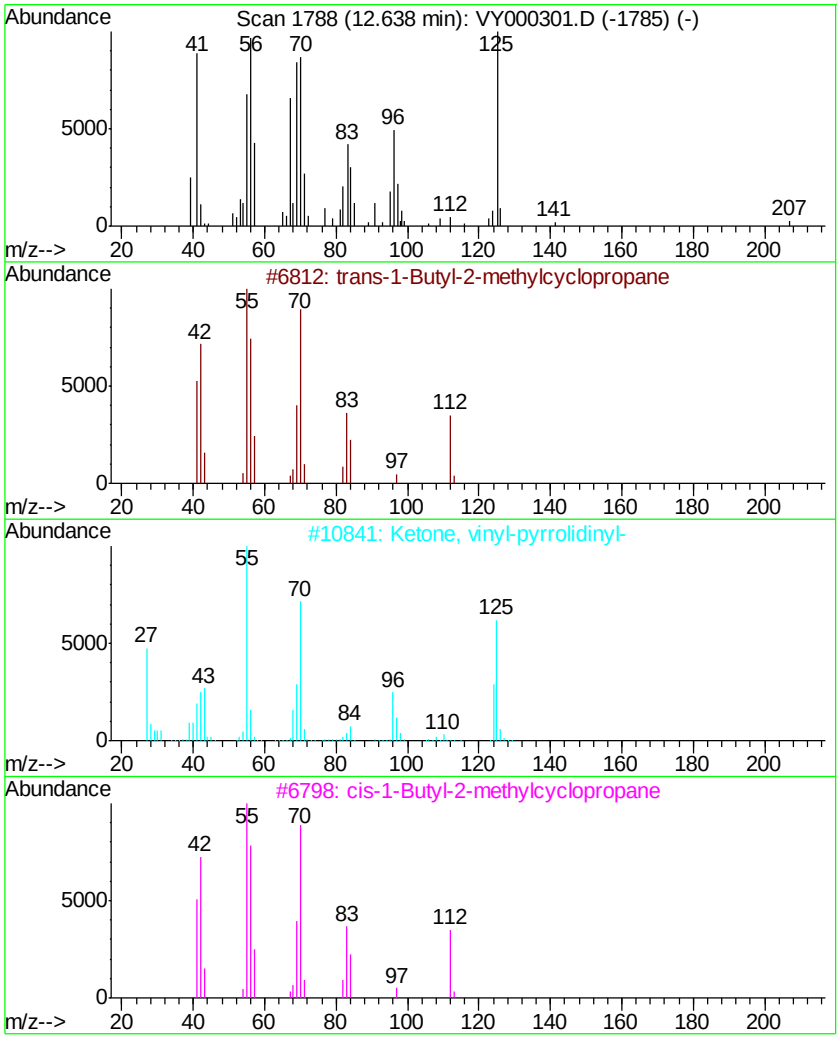
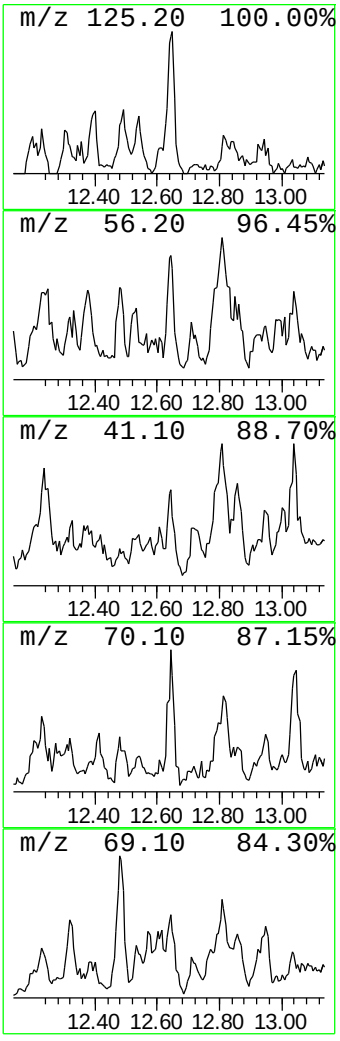
Peak Number 2 unknown12.64 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	5.60 ug/l	113954	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	49
2	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	47
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4	3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	38
5	Cyclopropane, 1-methyl-2-octyl-	168	C12H24	037617-26-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101419\
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Operator : SY/MD
Sample : K5325-03
Misc : 9.43g/5.00ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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

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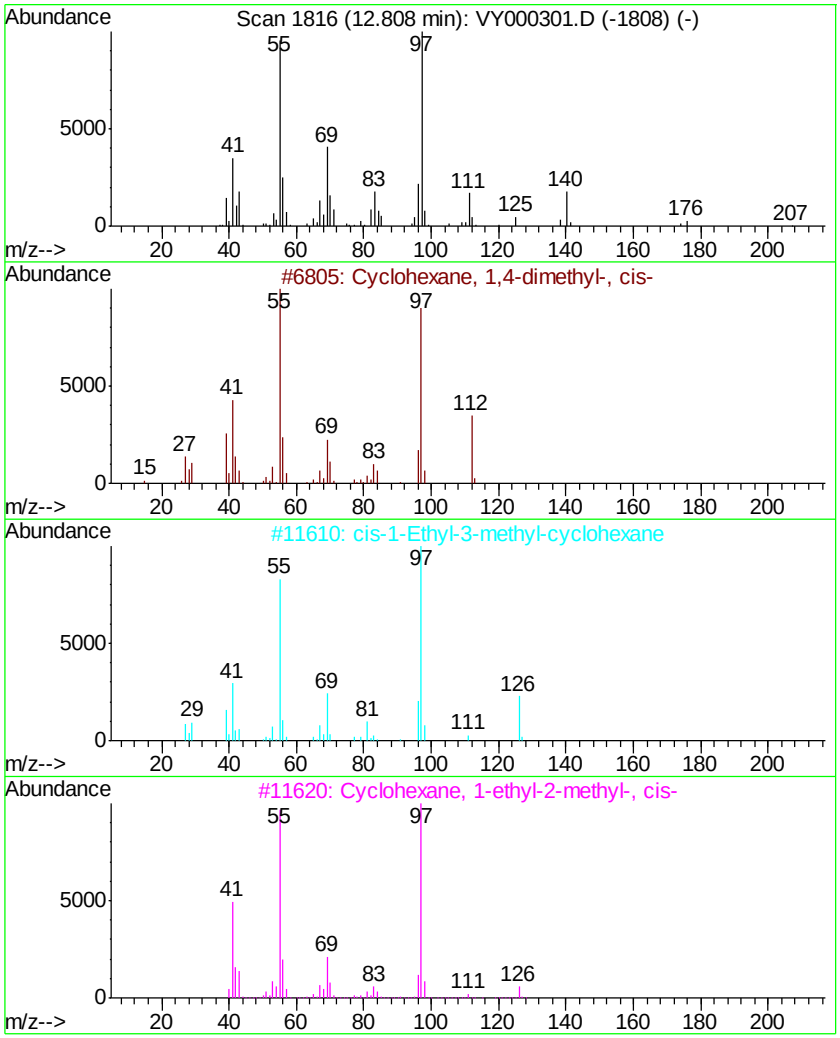
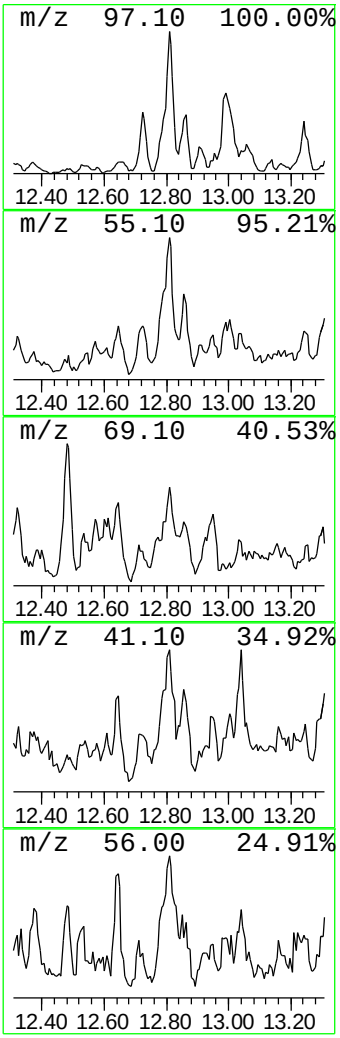
Peak Number 3 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	10.98 ug/l	223421	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	59
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	58





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Operator : SY/MD
Sample : K5325-03
Misc : 9.43g/5.00ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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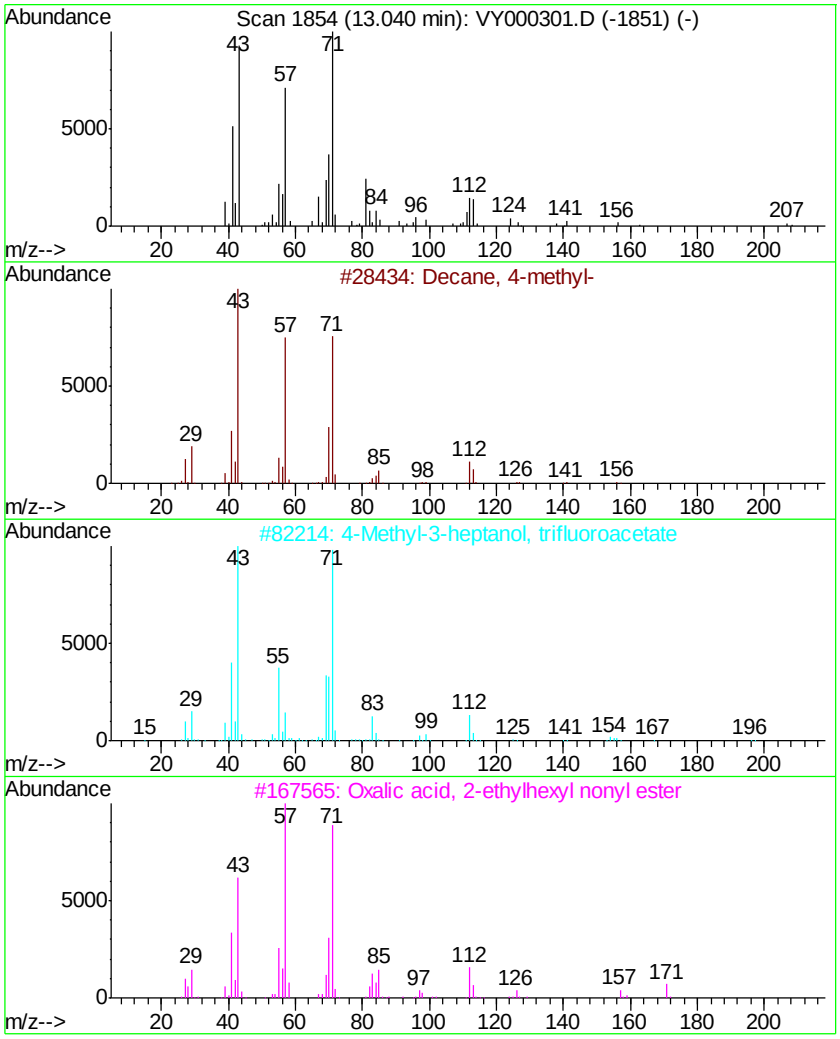
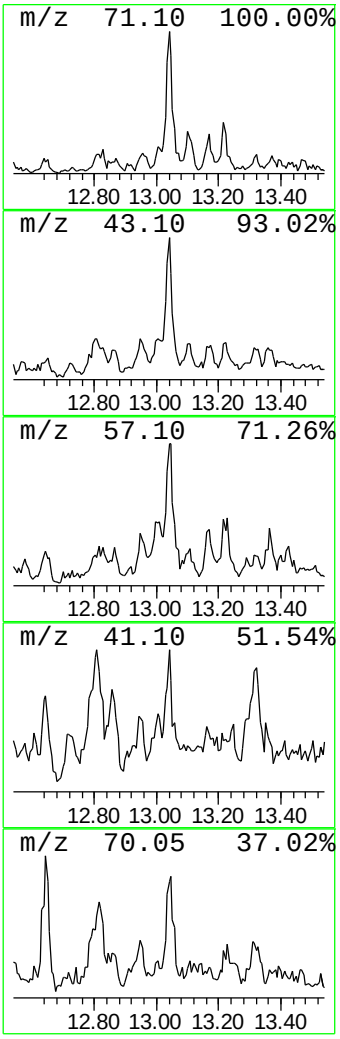
Peak Number 4 Decane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	5.33 ug/l	108359	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	72
3	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64
4	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	64
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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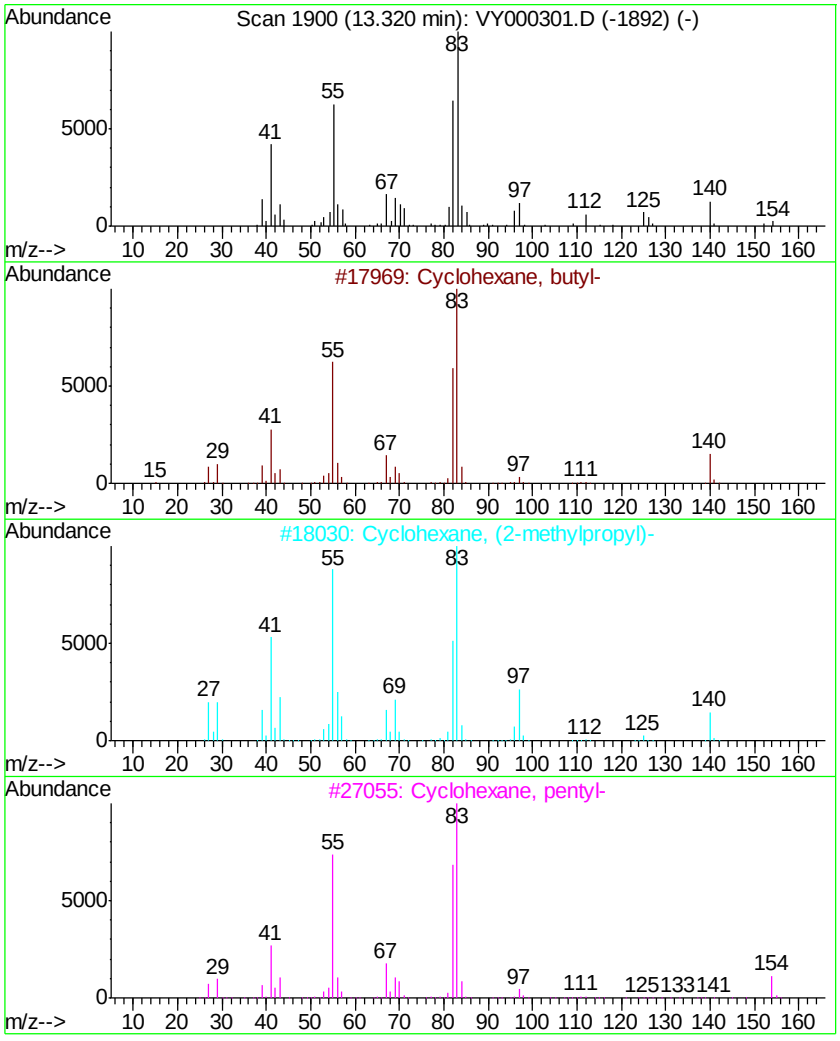
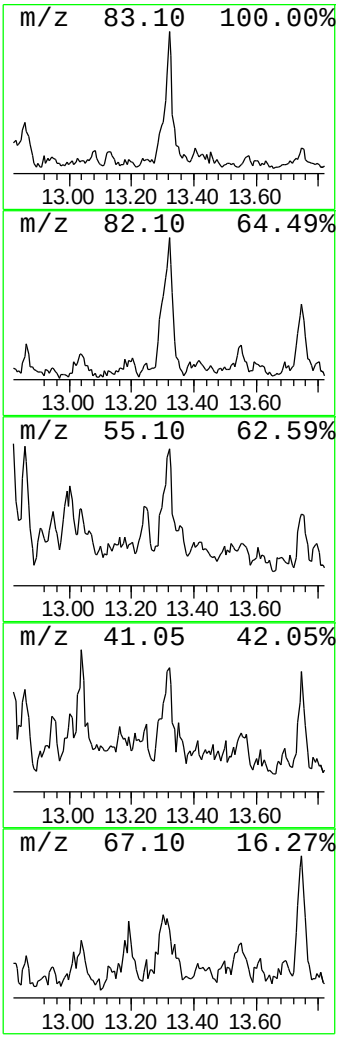
Peak Number 5 Cyclohexane, butyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	7.08 ug/l	144058	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	68
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	64





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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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

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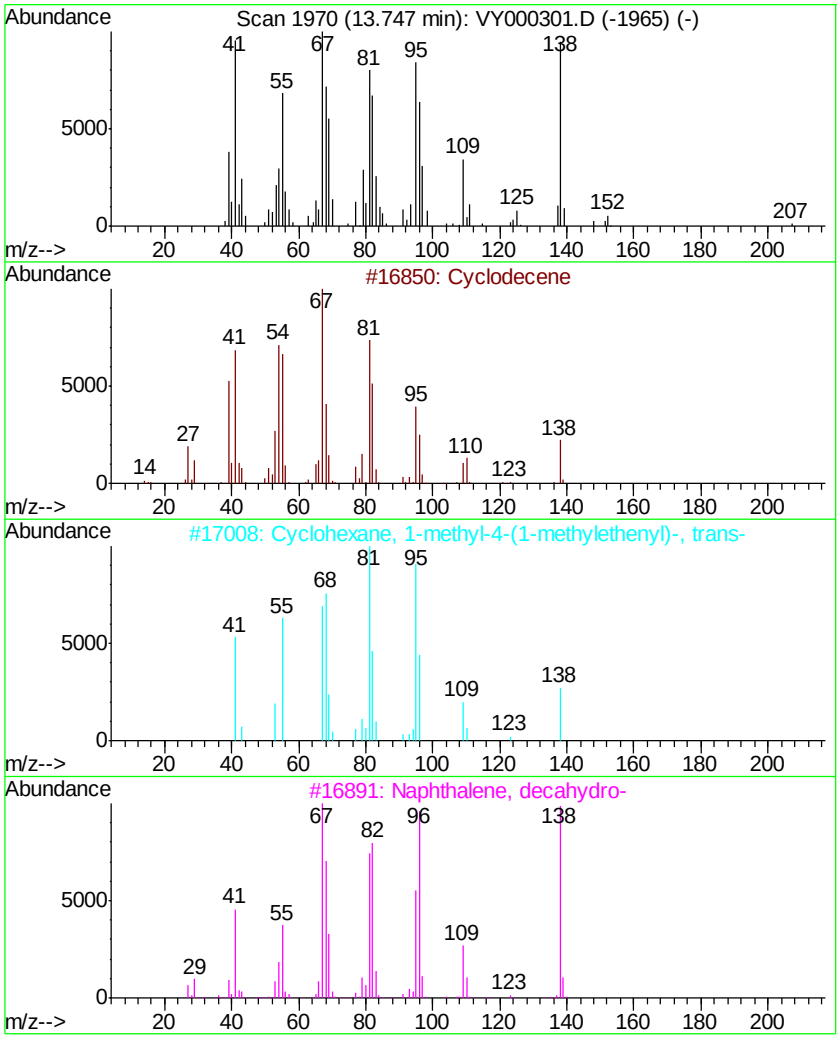
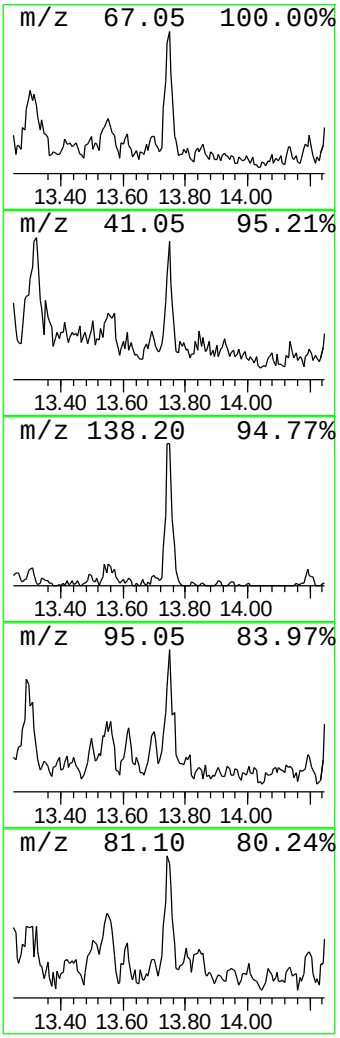
Peak Number 6 Cyclodecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	5.55 ug/l	112966	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene	138	C10H18	003618-12-0	83
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	74
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	74
4	Cyclodecene, (Z)-	138	C10H18	000935-31-9	68
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	58





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Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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

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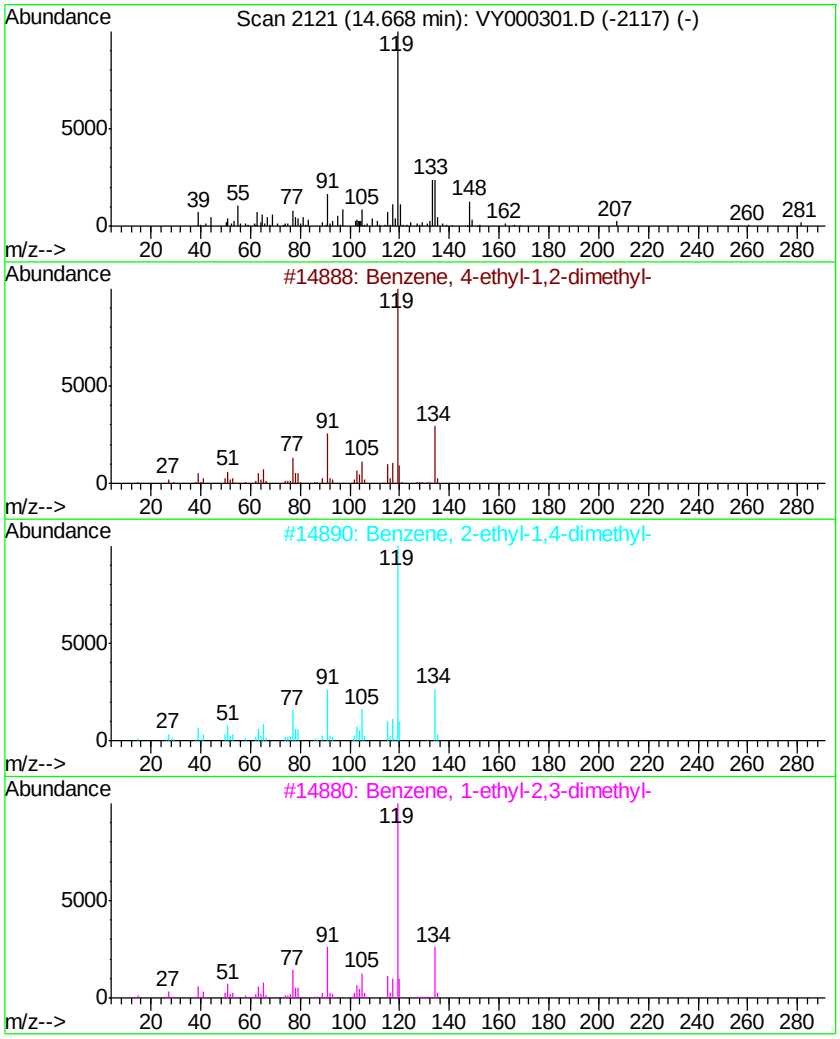
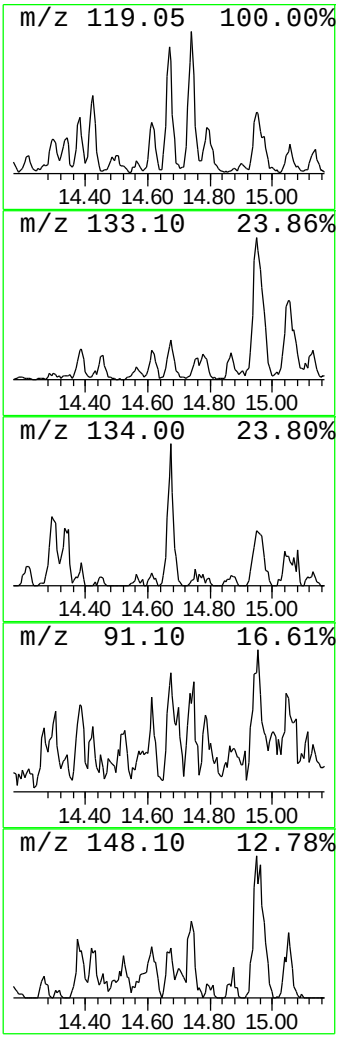
Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	5.68 ug/l	115656	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83
5	o-Cymene	134	C10H14	000527-84-4	64





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Data File : VY000301.D
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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

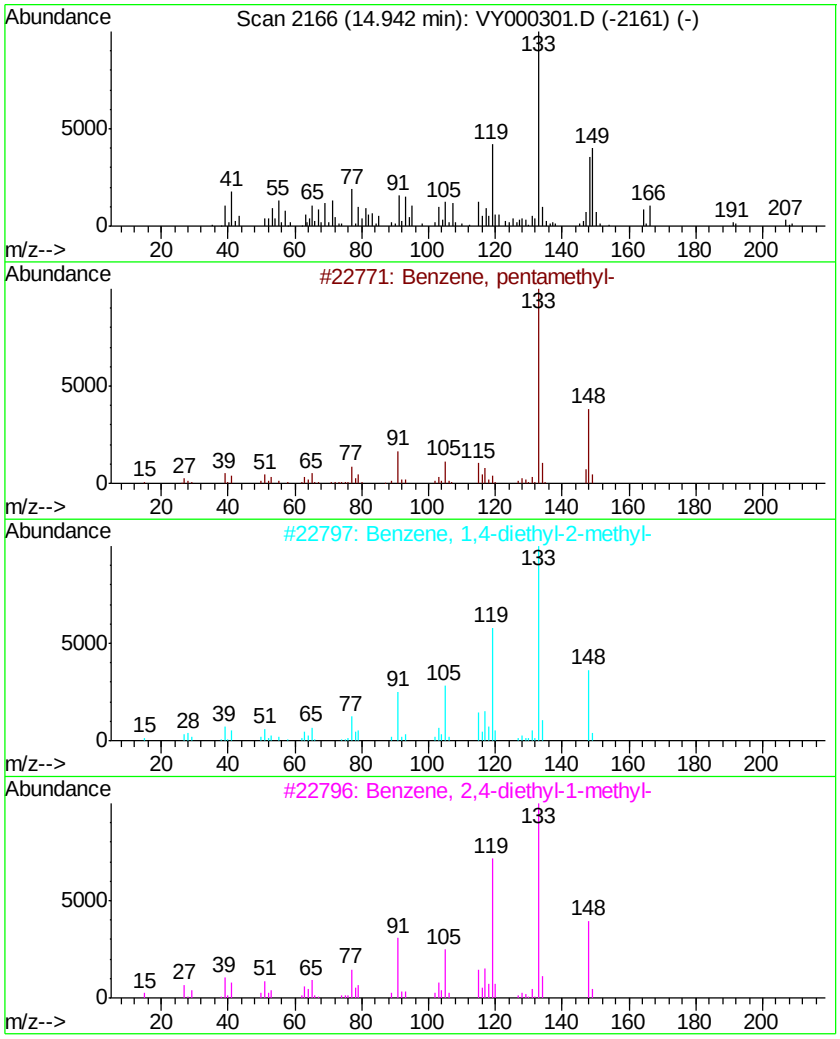
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

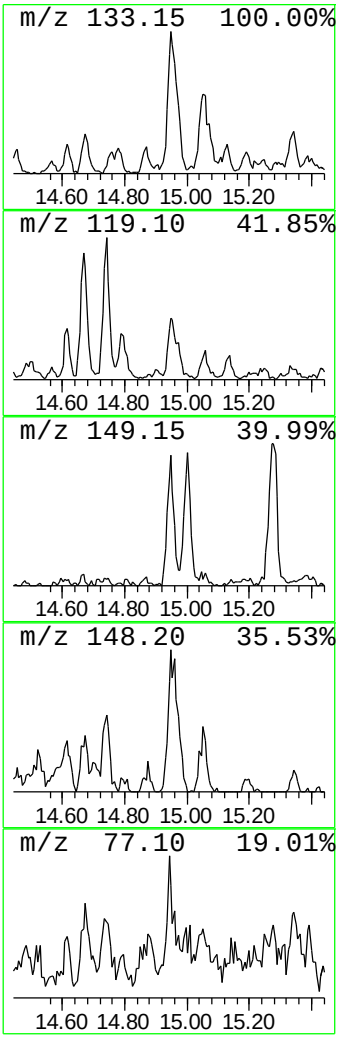
****

Peak Number 8 Benzene, pentamethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	6.73 ug/l	136839	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101419\
Data File : VY000301.D
Acq On : 14 Oct 2019 15:59
Operator : SY/MD
Sample : K5325-03
Misc : 9.43g/5.00ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 10-10-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1-et...	12.00	5.8	ug/l	131873	3	11.49	1136770	50.0
unknown12.64	12.64	5.6	ug/l	113954	4	13.42	1017230	50.0
Cyclohexane, 1,4-...	12.81	11.0	ug/l	223421	4	13.42	1017230	50.0
Decane, 4-methyl-	13.04	5.3	ug/l	108359	4	13.42	1017230	50.0
Cyclohexane, butyl-	13.32	7.1	ug/l	144058	4	13.42	1017230	50.0
Cyclodecene	13.75	5.5	ug/l	112966	4	13.42	1017230	50.0
Benzene, 4-ethyl-...	14.67	5.7	ug/l	115656	4	13.42	1017230	50.0
Benzene, pentamet...	14.94	6.7	ug/l	136839	4	13.42	1017230	50.0