LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
Data File : VY000770.D
Acq On : 21 Nov 2019 16:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

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\82Y103019S.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	4.718	478	489	501	rBV2	18585	57921	3.01%	0.412%
2	6.999	852	863	875	rBV2	45766	147860	7.68%	1.051%
3	7.517	939	948	957	rBV2	8822	20939	1.09%	0.149%
4	7.730	971	983	988	rBV	251458	591103	30.69%	4.200%
5	7.797	988	994	1009	rVB	463617	1063369	55.22%	7.556%
6	8.151	1039	1052	1064	rVB	264710	594655	30.88%	4.225%
7	8.693	1132	1141	1152	rBV	721005	1416374	73.55%	10.064%
8	10.181	1377	1385	1393	rBV	1146785	1925787	100.00%	13.683%
9	10.577	1444	1450	1457	rVB2	99680	180325	9.36%	1.281%
10	10.949	1498	1511	1519	rBV	25395	51835	2.69%	0.368%
11	11.315	1565	1571	1577	rVB2	26559	48833	2.54%	0.347%
12	11.486	1591	1599	1611	rBV	1029382	1660456	86.22%	11.798%
13	11.736	1636	1640	1644	rVV3	17251	31333	1.63%	0.223%
14	12.004	1676	1684	1690	rBV7	29682	72050	3.74%	0.512%
15	12.120	1699	1703	1707	rVB2	42701	54014	2.80%	0.384%
16	12.199	1711	1716	1718	rVV5	24437	39696	2.06%	0.282%
17	12.235	1718	1722	1727	rVB4	31212	64165	3.33%	0.456%
18	12.370	1740	1744	1748	rVV5	17595	28595	1.48%	0.203%
19	12.412	1748	1751	1755	rVB2	26495	35690	1.85%	0.254%
20	12.479	1755	1762	1769	rBV2	860028	1397296	72.56%	9.928%
21	12.571	1769	1777	1780	rBV6	15486	39459	2.05%	0.280%
22	12.638	1784	1788	1796	rVB5	51337	108816	5.65%	0.773%
23	12.723	1796	1802	1806	rBV6	32242	69764	3.62%	0.496%
24	12.809	1808	1816	1820	rBV3	72654	165930	8.62%	1.179%
25	12.857	1820	1824	1829	rVB4	46283	73635	3.82%	0.523%
26	12.949	1835	1839	1842	rBV5	37373	52003	2.70%	0.369%
27	13.004	1842	1848	1849	rBV4	33194	58615	3.04%	0.416%
28	13.034	1849	1853	1860	rVB2	156279	228166	11.85%	1.621%
29	13.113	1861	1866	1871	rVB2	75032	124251	6.45%	0.883%
30	13.168	1871	1875	1880	rBV4	34156	65385	3.40%	0.465%
31	13.217	1880	1883	1885	rBV2	22274	28683	1.49%	0.204%
32	13.315	1891	1899	1903	rBV3	95091	200732	10.42%	1.426%
33	13.357	1903	1906	1910	rVB3	39614	54281	2.82%	0.386%
34	13.418	1910	1916	1923	rBV	1016580	1604925	83.34%	11.403%

LSC Area Percent Report

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Acq On : 21 Nov 2019 16:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

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\82Y103019S.M
Title : SW846 8260

35	13.571	1936	1941	1942	rBV4	16740	24807	1.29%	0.176%
36	13.589	1942	1944	1954	rVB6	28267	53130	2.76%	0.378%
37	13.674	1954	1958	1959	rBV2	23409	31420	1.63%	0.223%
38	13.741	1964	1969	1974	rBV4	113199	199364	10.35%	1.417%
39	13.790	1974	1977	1981	rVB3	39930	50886	2.64%	0.362%
40	13.851	1981	1987	1989	rBV4	33502	60319	3.13%	0.429%
41	13.912	1993	1997	2002	rVV5	56218	97226	5.05%	0.691%
42	13.967	2002	2006	2011	rVB2	134608	196160	10.19%	1.394%
43	14.016	2011	2014	2018	rVB3	43071	55452	2.88%	0.394%
44	14.070	2018	2023	2029	rVB4	58292	102224	5.31%	0.726%
45	14.144	2029	2035	2040	rBV8	34261	65643	3.41%	0.466%
46	14.266	2045	2055	2057	rBV7	80043	193367	10.04%	1.374%
47	14.333	2063	2066	2070	rVB	85414	111247	5.78%	0.790%
48	14.375	2070	2073	2077	rBV2	33706	42390	2.20%	0.301%
49	14.418	2077	2080	2084	rBV5	24754	34509	1.79%	0.245%
50	14.613	2109	2112	2116	rVB3	25072	33328	1.73%	0.237%
51	14.674	2116	2122	2127	rVV4	53640	107744	5.59%	0.766%
52	14.729	2127	2131	2138	rVB2	60636	100306	5.21%	0.713%
53	14.942	2162	2166	2169	rBV4	25987	38331	1.99%	0.272%
54	14.979	2169	2172	2179	rVV4	16445	33606	1.75%	0.239%
55	15.046	2179	2183	2188	rVB4	25372	48210	2.50%	0.343%
56	15.211	2204	2210	2217	rVB7	13534	37410	1.94%	0.266%

Sum of corrected areas: 14074020

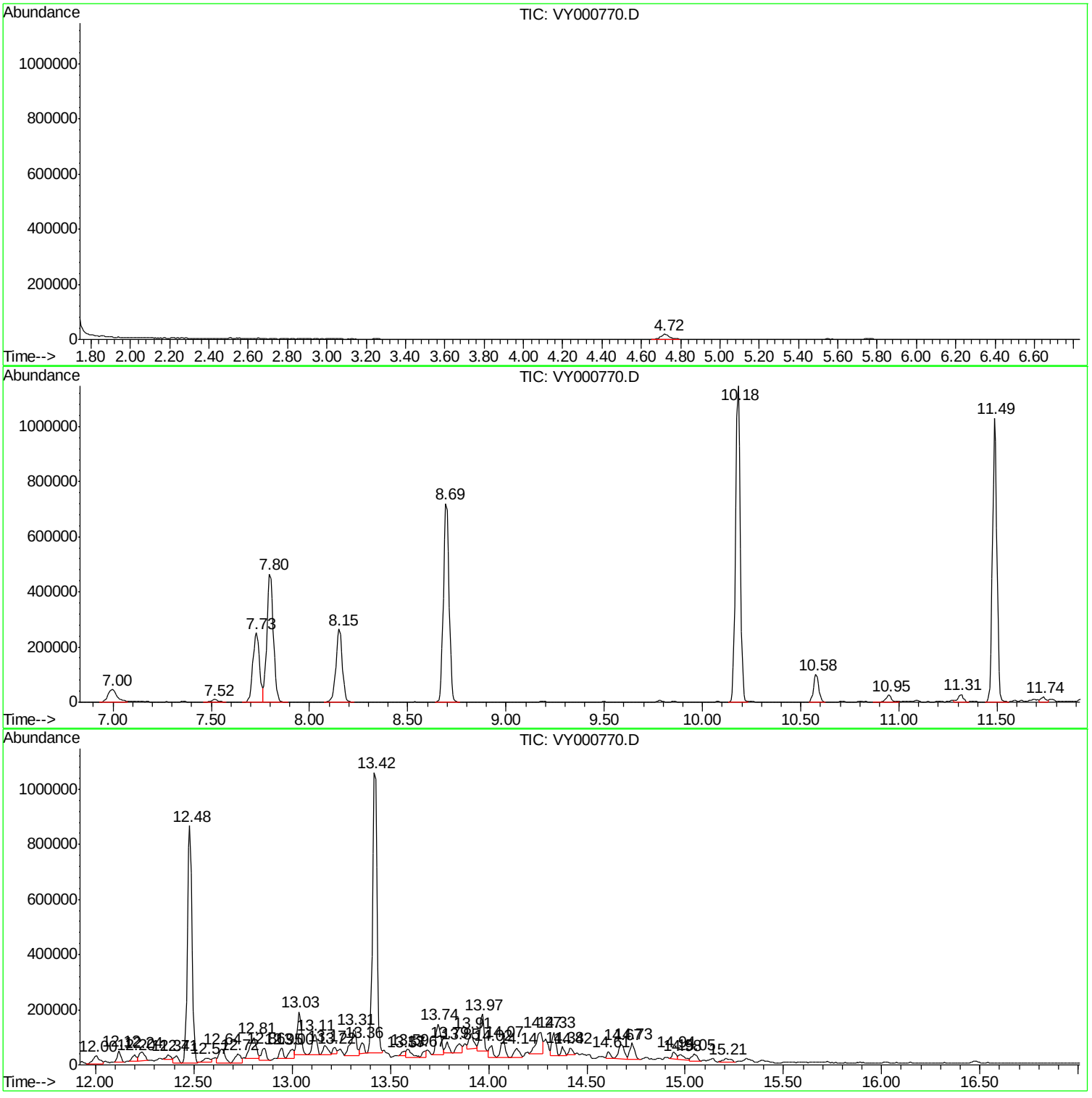
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000770.D
Acq On : 21 Nov 2019 16:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000770.D
Acq On : 21 Nov 2019 16:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

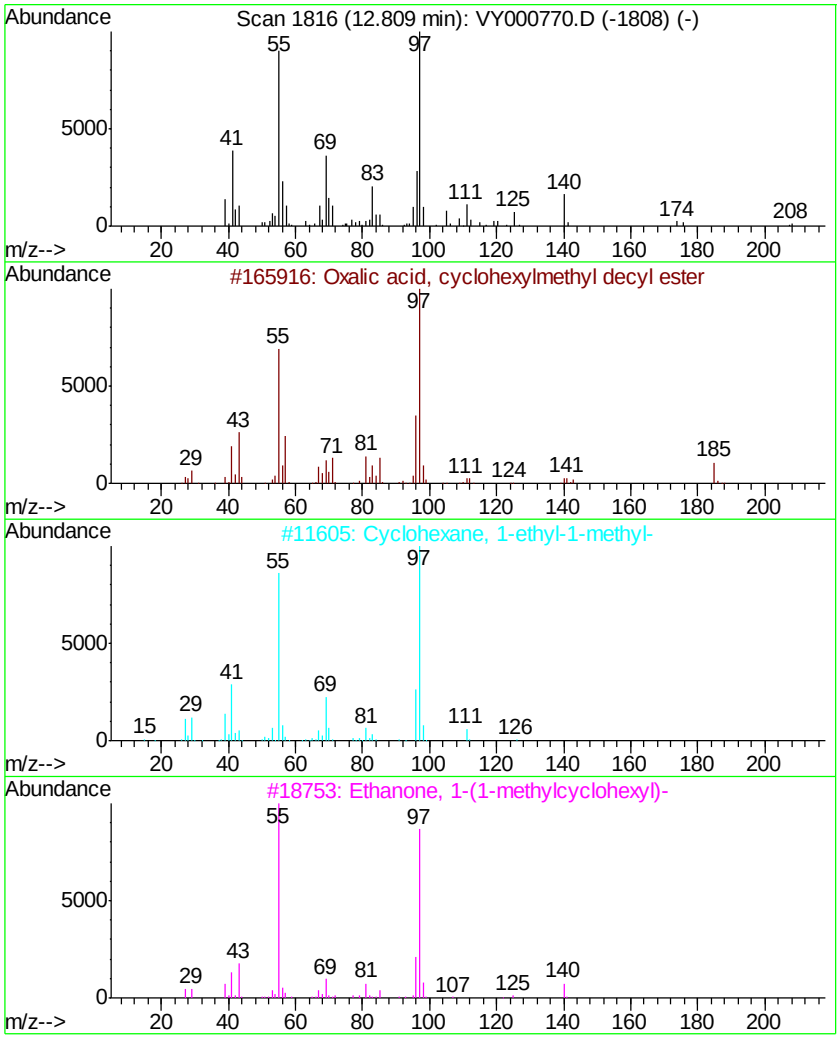
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

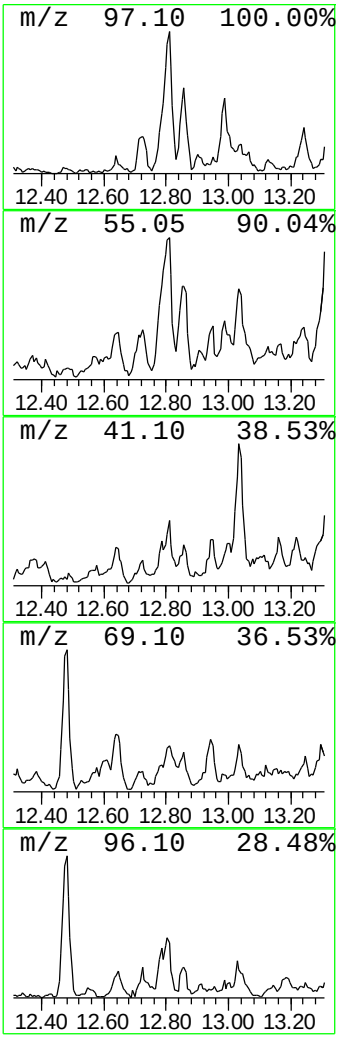
****

Peak Number 3 Oxalic acid, cyclohexylmeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	5.17 ug/l	165930	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	59
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53
4	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	53
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52





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Data File : VY000770.D
Acq On : 21 Nov 2019 16:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

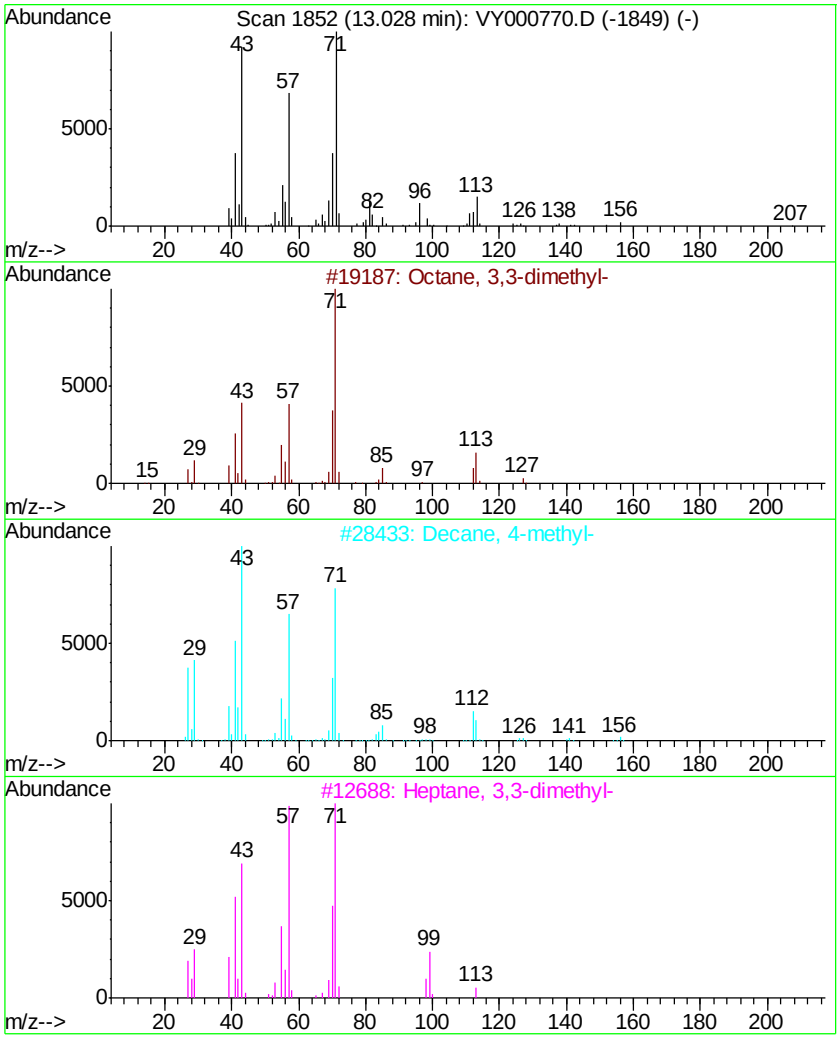
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

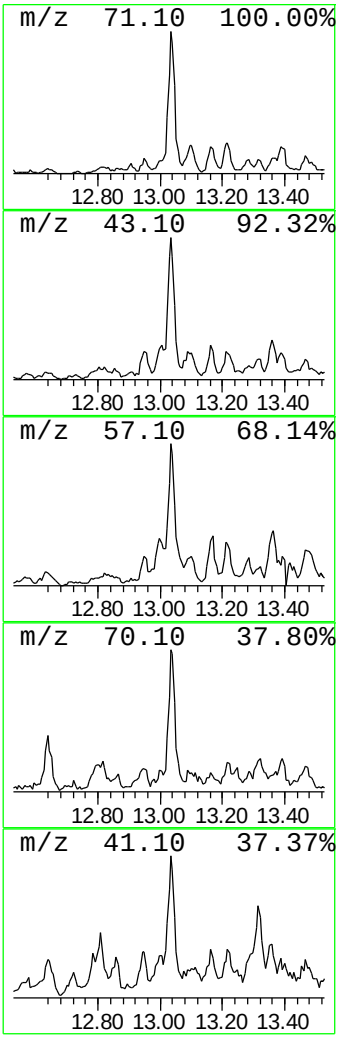
****

Peak Number 4 Octane, 3,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	7.11 ug/l	228166	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
2	Decane, 4-methyl-	156	C11H24	002847-72-5	72
3	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	64
4	n-Amyl ether	158	C10H22O	000693-65-2	59
5	Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000770.D
Acq On : 21 Nov 2019 16:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

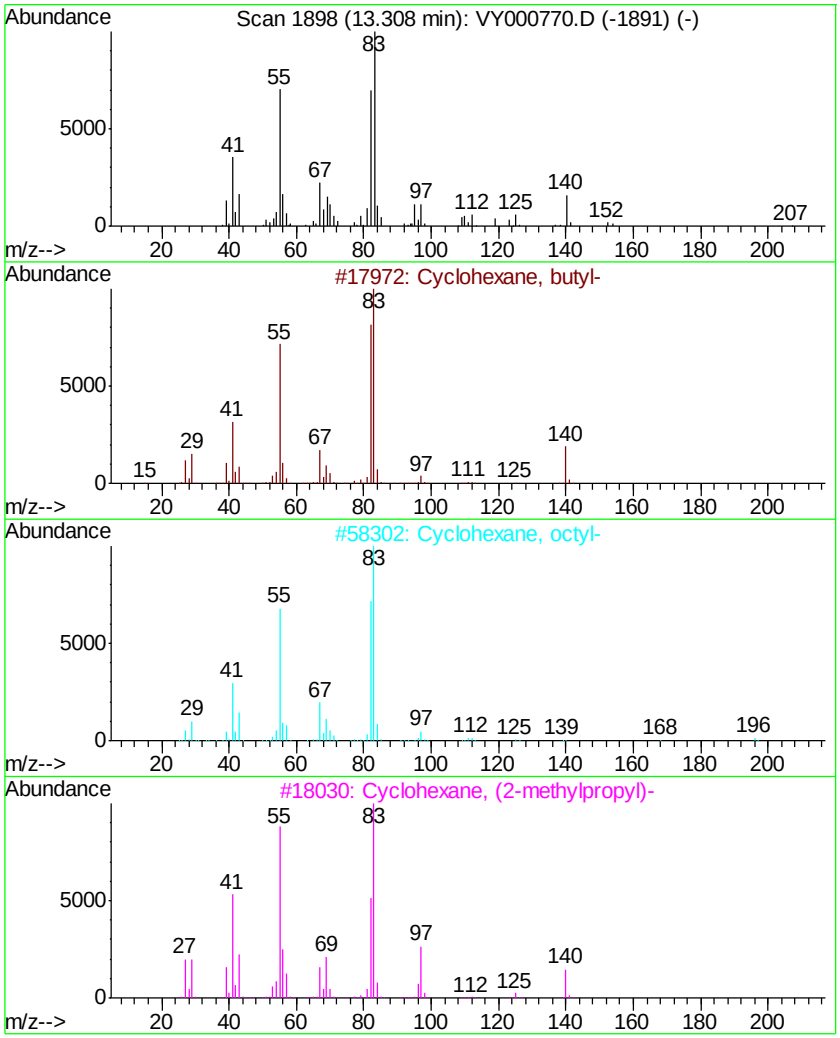
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

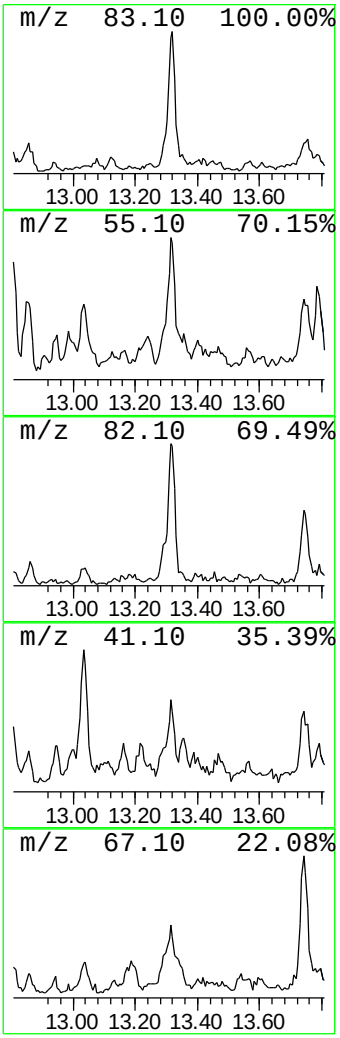
****

Peak Number 5 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	6.25 ug/l	200732	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	80
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Library Search Compound Report

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Data File : VY000770.D
Acq On : 21 Nov 2019 16:04
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Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

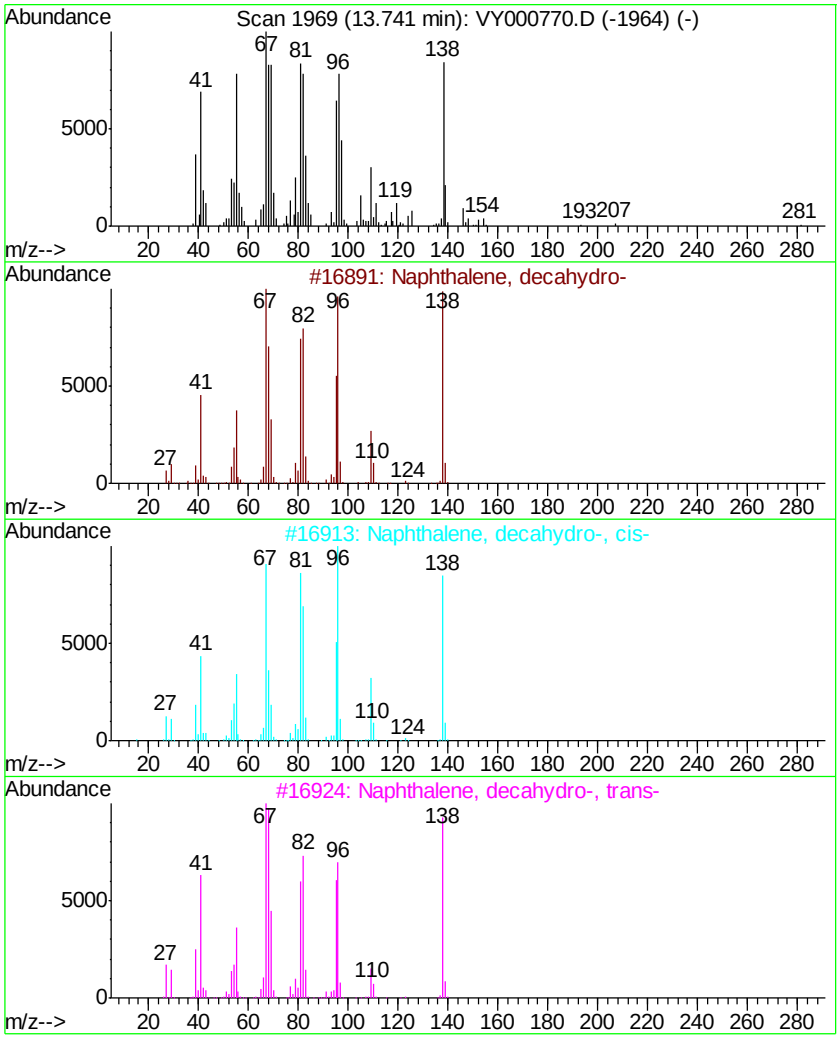
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

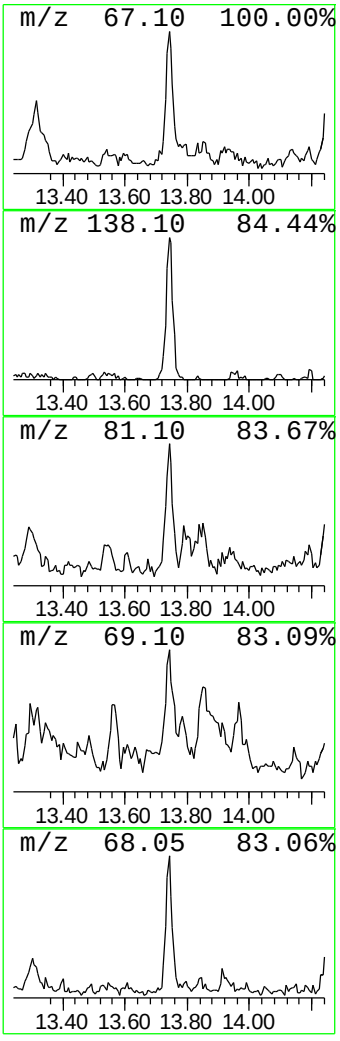
****

Peak Number 6 Naphthalene, decahydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	6.21 ug/l	199364	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70
4	Spiro[4.5]decane	138	C10H18	000176-63-6	70
5	Cyclodecene	138	C10H18	003618-12-0	58





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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

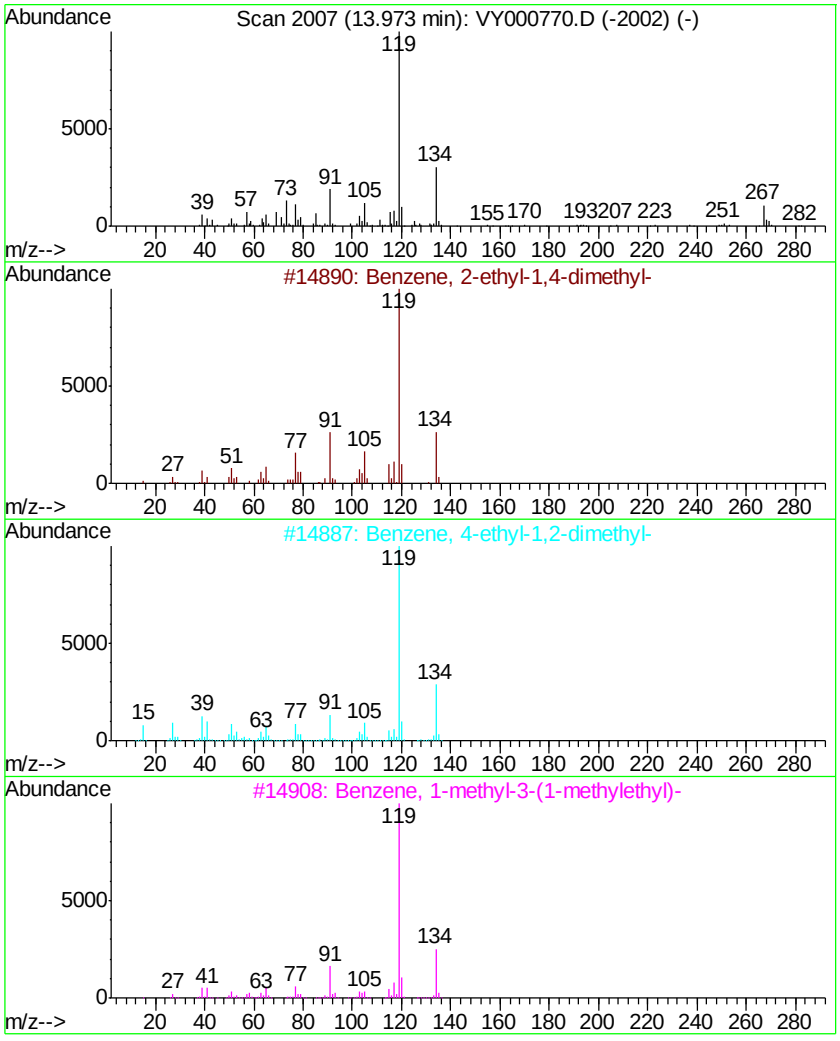
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

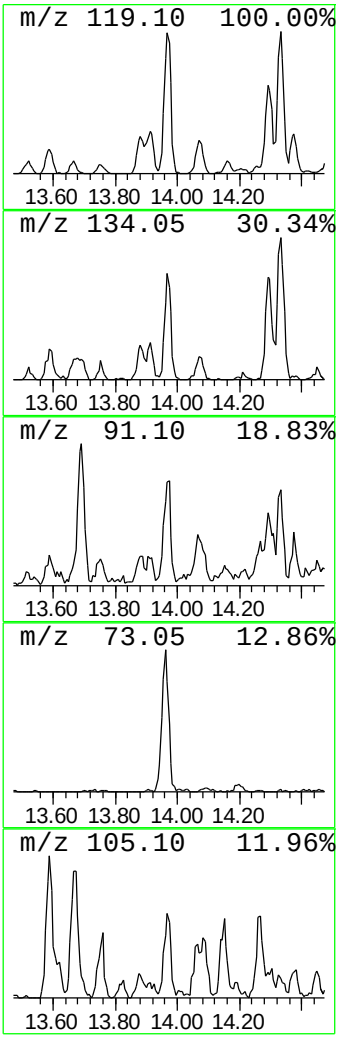
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	6.11 ug/l	196160	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4	o-Cymene	134	C10H14	000527-84-4	92
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89





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Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

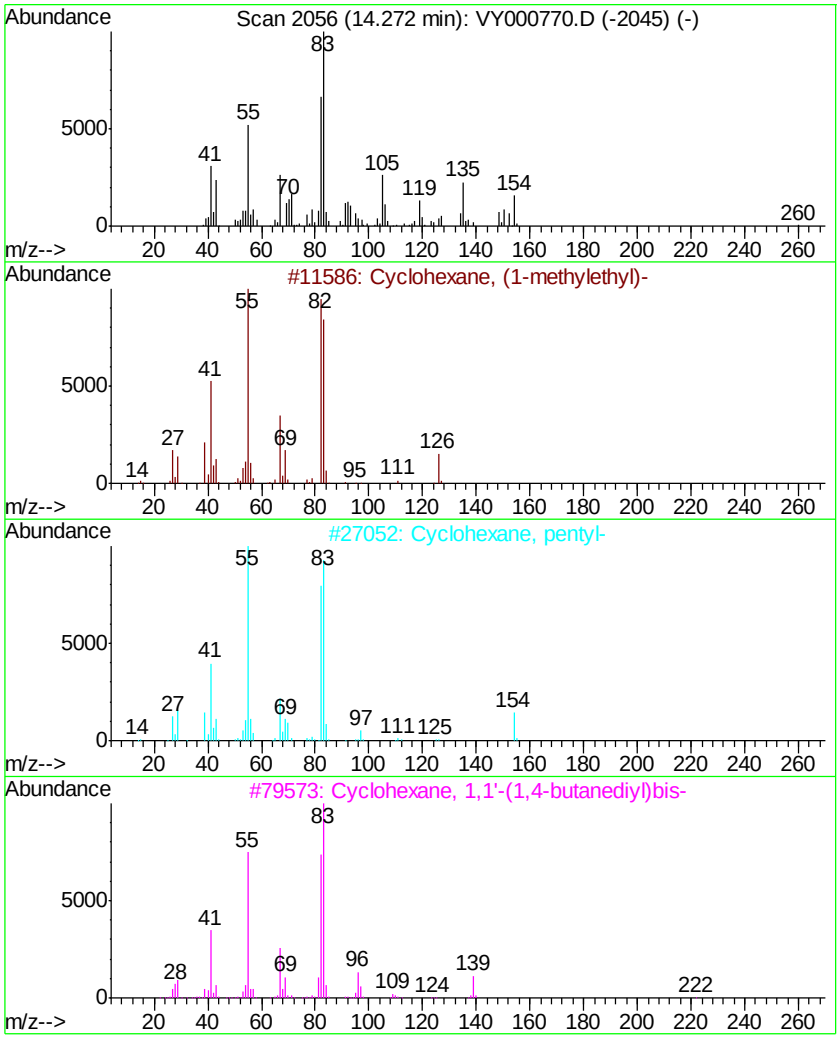
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

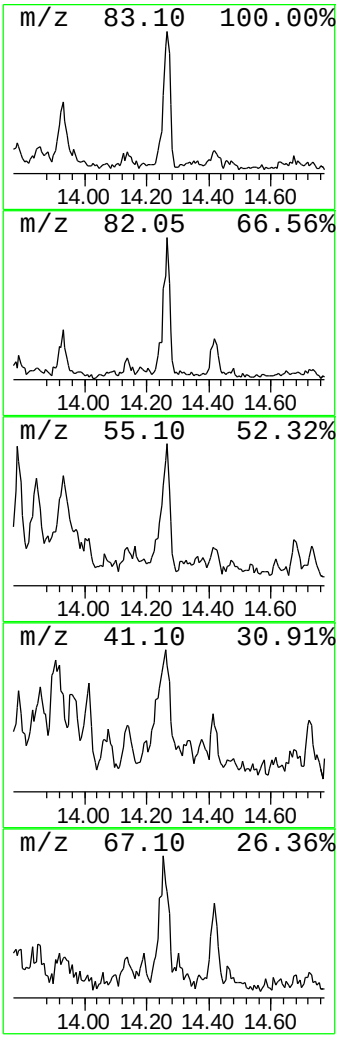
****

Peak Number 8 Cyclohexane, (1-methylethyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	6.02 ug/l	193367	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	60
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	49
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000770.D
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Operator : SY/MD
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.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
Oxalic acid, cycl...	12.81	5.2	ug/l	165930	4	13.42	1604930	50.0
Octane, 3,3-dimet...	13.03	7.1	ug/l	228166	4	13.42	1604930	50.0
Cyclohexane, butyl-	13.31	6.3	ug/l	200732	4	13.42	1604930	50.0
Naphthalene, deca...	13.74	6.2	ug/l	199364	4	13.42	1604930	50.0
Benzene, 2-ethyl-...	13.97	6.1	ug/l	196160	4	13.42	1604930	50.0
Cyclohexane, (1-m...	14.27	6.0	ug/l	193367	4	13.42	1604930	50.0