LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

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_X\METHOD\82X042919W.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	1.361	28	34	35	rBV5	6552	11890	1.28%	0.173%
2	2.611	232	239	249	rVB	12411	24990	2.70%	0.364%
3	5.500	700	713	726	rBV	97725	283103	30.59%	4.126%
4	5.665	729	740	757	rVB	171367	488903	52.82%	7.125%
5	6.061	795	805	817	rBV	120458	320170	34.59%	4.666%
6	6.860	925	936	956	rBV	278871	667100	72.07%	9.722%
7	7.445	1027	1032	1041	rVB8	3649	9405	1.02%	0.137%
8	8.713	1227	1240	1252	rBV	578770	925576	100.00%	13.489%
9	8.841	1255	1261	1268	rVB	9649	17775	1.92%	0.259%
10	9.042	1287	1294	1302	rVB	20814	36318	3.92%	0.529%
11	9.164	1307	1314	1319	rVV2	9696	15850	1.71%	0.231%
12	9.567	1373	1380	1387	rBV5	9545	18255	1.97%	0.266%
13	9.676	1392	1398	1402	rBV	32843	52640	5.69%	0.767%
14	9.890	1425	1433	1440	rBV5	15299	28684	3.10%	0.418%
15	10.109	1463	1469	1478	rBV	553003	752938	81.35%	10.973%
16	10.237	1485	1490	1496	rVB2	13323	22728	2.46%	0.331%
17	10.359	1502	1510	1516	rBV4	29047	78421	8.47%	1.143%
18	10.408	1516	1518	1530	rVB2	15093	23655	2.56%	0.345%
19	10.512	1530	1535	1541	rBV	35623	51392	5.55%	0.749%
20	10.646	1545	1557	1564	rBV5	51706	153759	16.61%	2.241%
21	10.713	1564	1568	1573	rVB	16869	23103	2.50%	0.337%
22	10.810	1576	1584	1585	rBV3	24412	40248	4.35%	0.587%
23	10.835	1585	1588	1592	rVB	34960	45177	4.88%	0.658%
24	10.914	1592	1601	1608	rBV5	37831	83880	9.06%	1.222%
25	10.969	1608	1610	1619	rVB4	10507	16911	1.83%	0.246%
26	11.060	1619	1625	1632	rBV5	21679	52956	5.72%	0.772%
27	11.134	1632	1637	1642	rVV	437283	557936	60.28%	8.131%
28	11.182	1642	1645	1649	rVV	48573	61339	6.63%	0.894%
29	11.243	1652	1655	1656	rVV	10499	12371	1.34%	0.180%
30	11.274	1656	1660	1665	rVB2	83121	115398	12.47%	1.682%
31	11.383	1674	1678	1684	rBV3	13391	26524	2.87%	0.387%
32	11.444	1684	1688	1692	rVV3	31911	55064	5.95%	0.802%
33	11.487	1692	1695	1700	rVV5	10446	23380	2.53%	0.341%
34	11.530	1700	1702	1706	rVV2	11248	13279	1.43%	0.194%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

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_X\METHOD\82X042919W.M
Title : SW846 8260

35	11.579	1706	1710	1715	rVB3	21893	32307	3.49%	0.471%
36	11.670	1715	1725	1732	rBV4	29541	64113	6.93%	0.934%
37	11.768	1737	1741	1744	rVV3	16383	24281	2.62%	0.354%
38	11.804	1744	1747	1753	rVV4	15499	30429	3.29%	0.443%
39	11.914	1757	1765	1775	rBV3	44382	86370	9.33%	1.259%
40	11.999	1775	1779	1786	rVB4	7321	15404	1.66%	0.224%
41	12.078	1786	1792	1797	rBV	497904	654404	70.70%	9.537%
42	12.170	1803	1807	1812	rVV3	7894	15084	1.63%	0.220%
43	12.231	1812	1817	1821	rVV	41867	53668	5.80%	0.782%
44	12.298	1823	1828	1833	rVV	41397	52309	5.65%	0.762%
45	12.365	1834	1839	1849	rVB2	46236	77953	8.42%	1.136%
46	12.456	1849	1854	1861	rBV	38950	54292	5.87%	0.791%
47	12.652	1879	1886	1890	rBV5	8964	17749	1.92%	0.259%
48	12.700	1890	1894	1899	rVV2	53976	83315	9.00%	1.214%
49	12.755	1899	1903	1909	rVV2	75194	122885	13.28%	1.791%
50	12.810	1909	1912	1918	rVV2	18935	36546	3.95%	0.533%
51	12.895	1918	1926	1931	rVV2	42077	81012	8.75%	1.181%
52	12.975	1931	1939	1944	rVV2	69125	113945	12.31%	1.661%
53	13.036	1944	1949	1953	rVV3	6666	12259	1.32%	0.179%
54	13.091	1953	1958	1962	rVB	10508	14377	1.55%	0.210%
55	13.194	1968	1975	1980	rBV2	18892	30472	3.29%	0.444%
56	13.249	1980	1984	1989	rVB2	8113	10854	1.17%	0.158%
57	13.475	2013	2021	2026	rBV7	7132	20031	2.16%	0.292%
58	13.633	2044	2047	2051	rBV3	9633	12860	1.39%	0.187%
59	13.694	2051	2057	2065	rVB2	13438	33647	3.64%	0.490%

Sum of corrected areas: 6861684

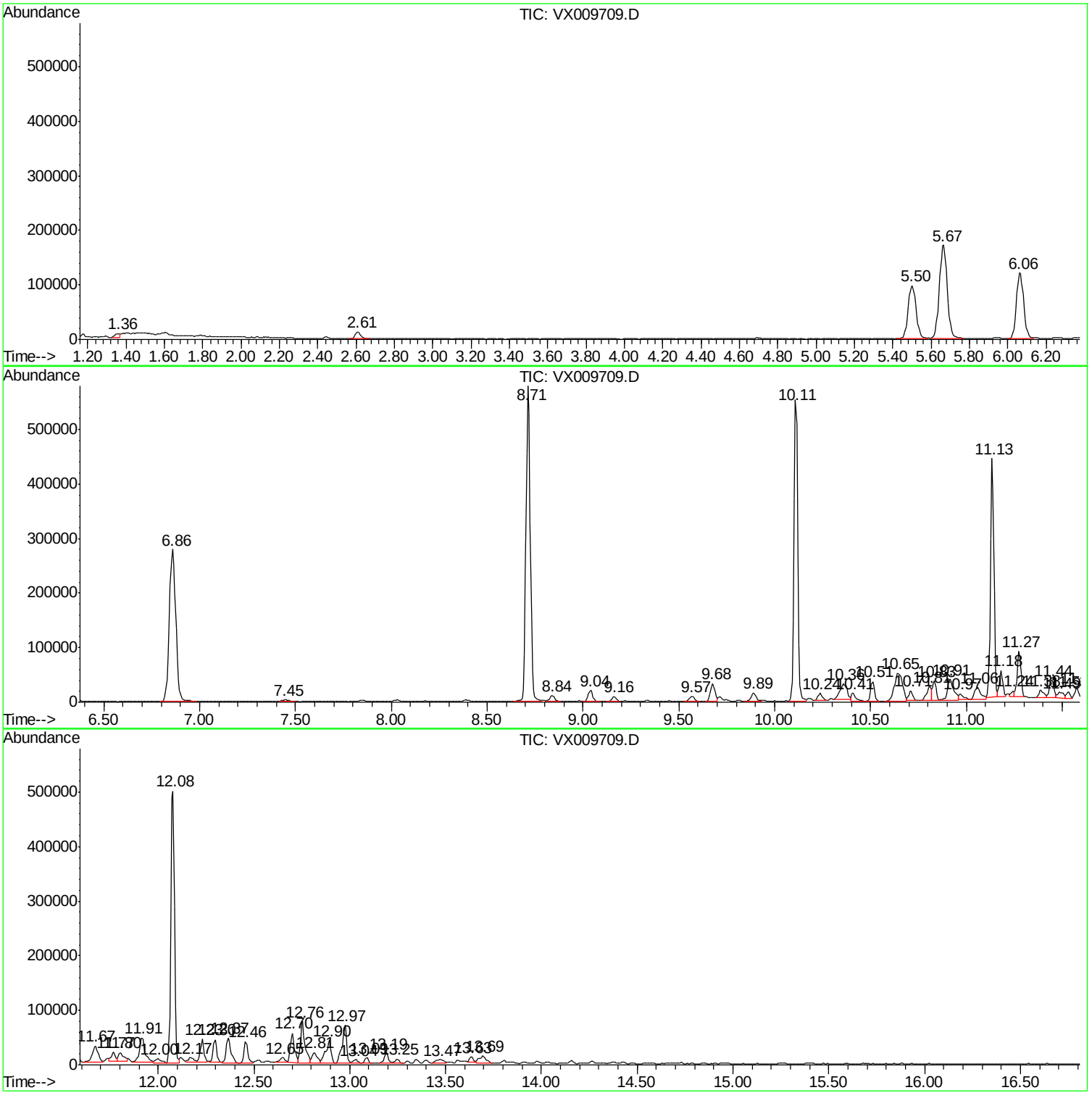
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

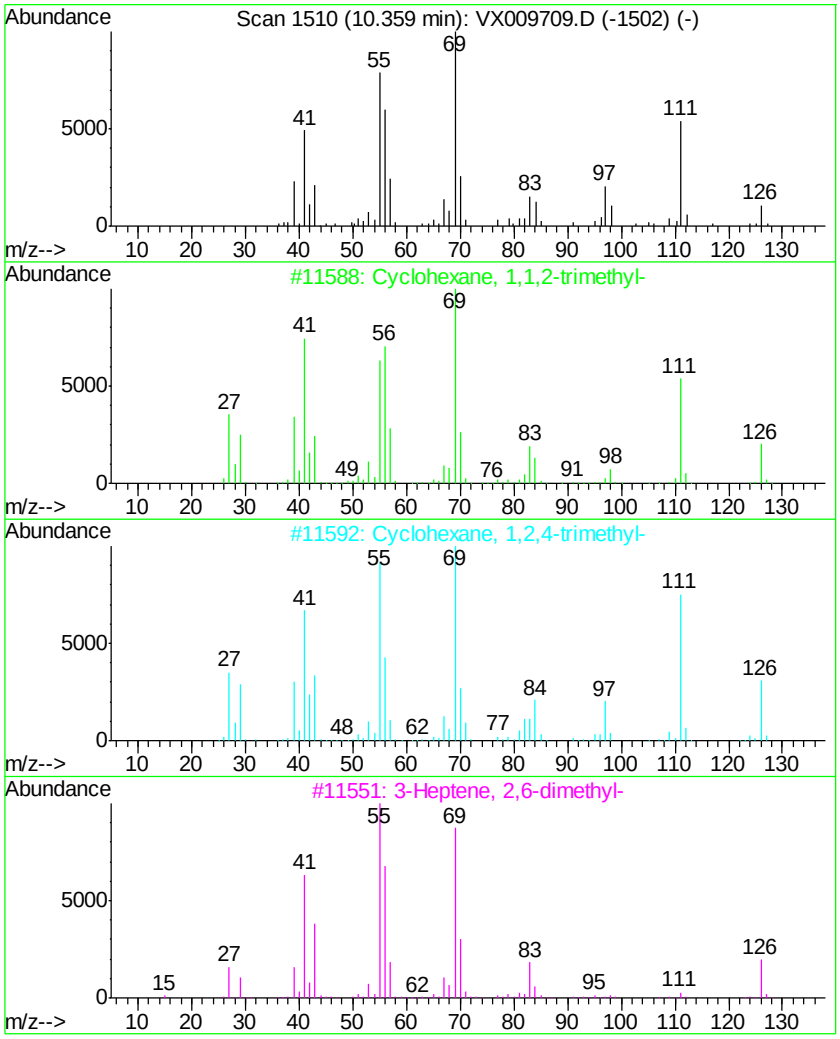
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

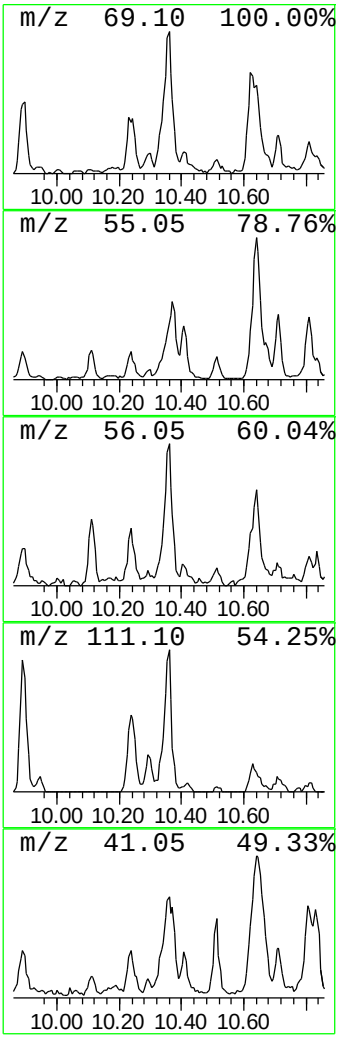
****

Peak Number 1 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	5.21 ug/l	78421	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	93
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	62
4	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	43
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

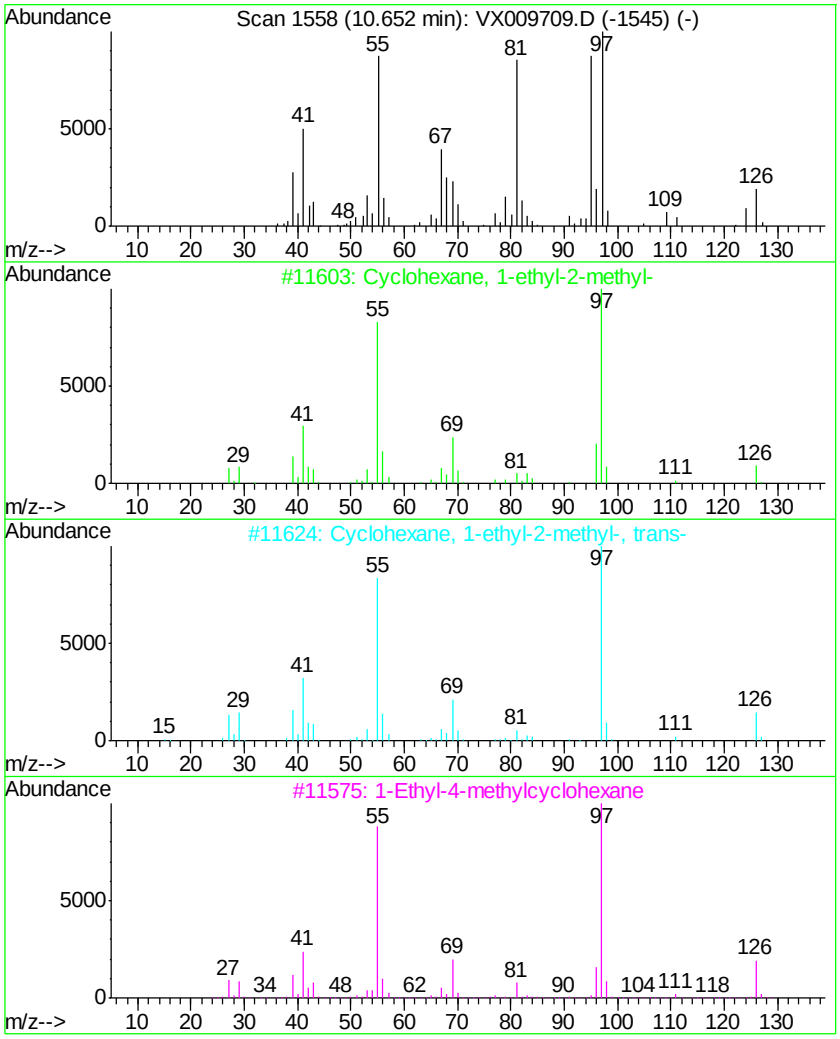
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

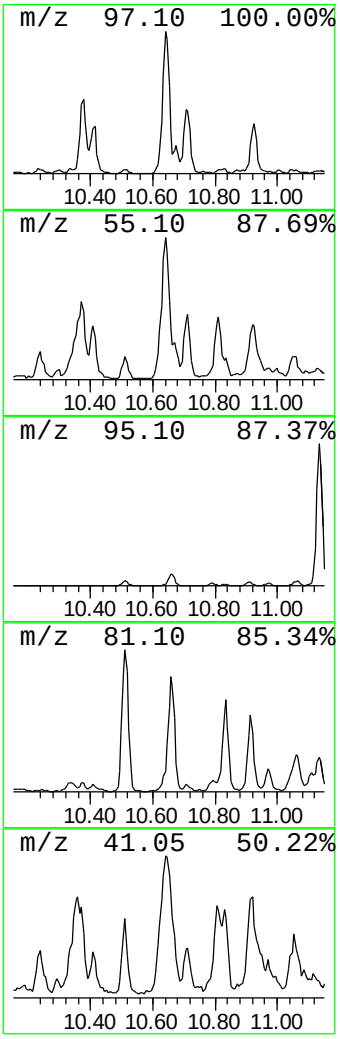
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	10.21 ug/l	153759	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	68
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

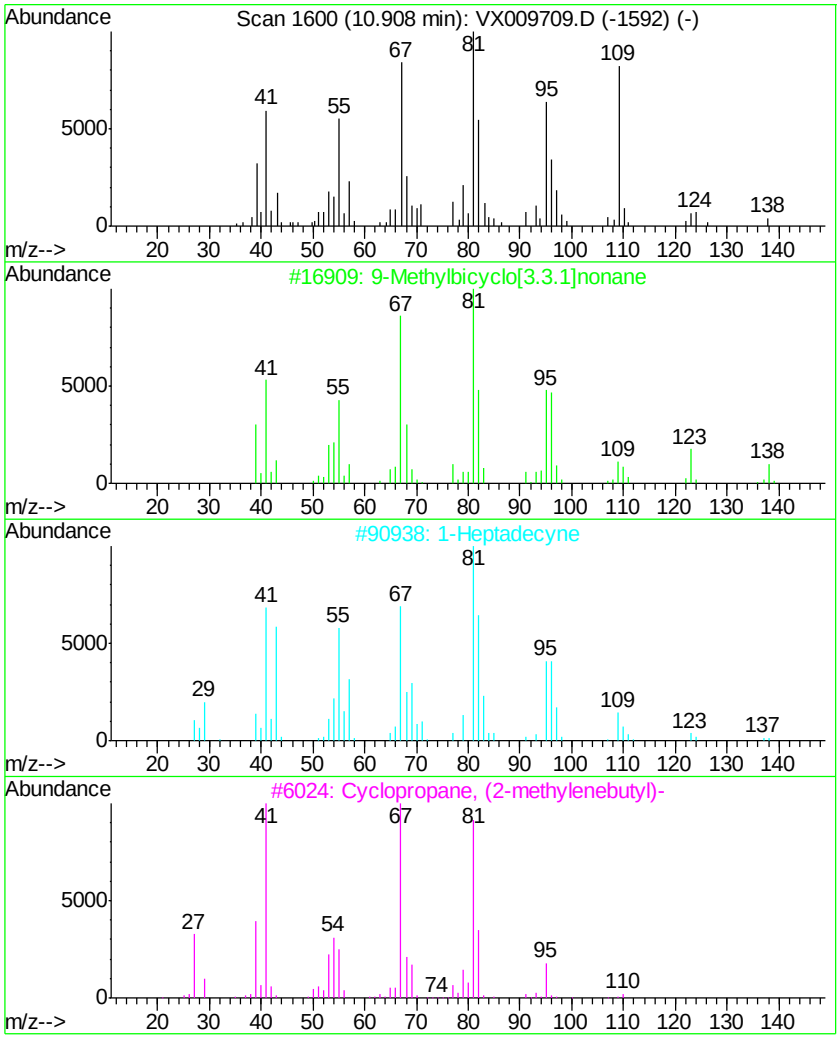
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

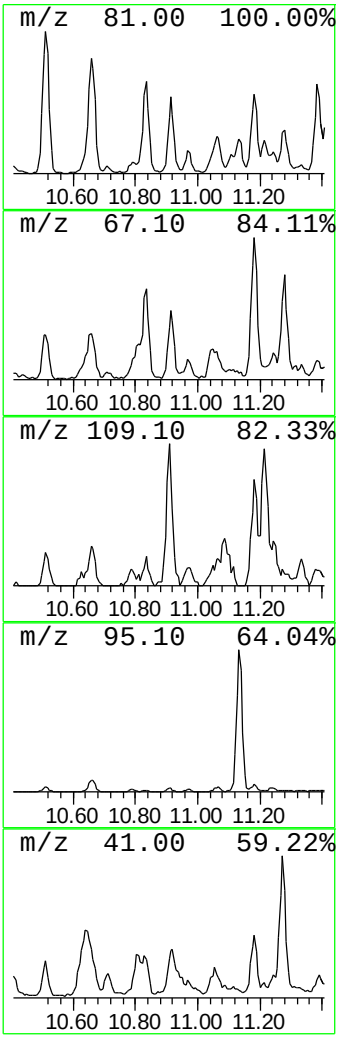
****

Peak Number 3 9-Methylbicyclo[3.3.1]nonane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	5.57 ug/l	83880	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	70
2	1-Heptadecyne	236	C17H32	026186-00-5	64
3	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	58
4	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	49
5	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

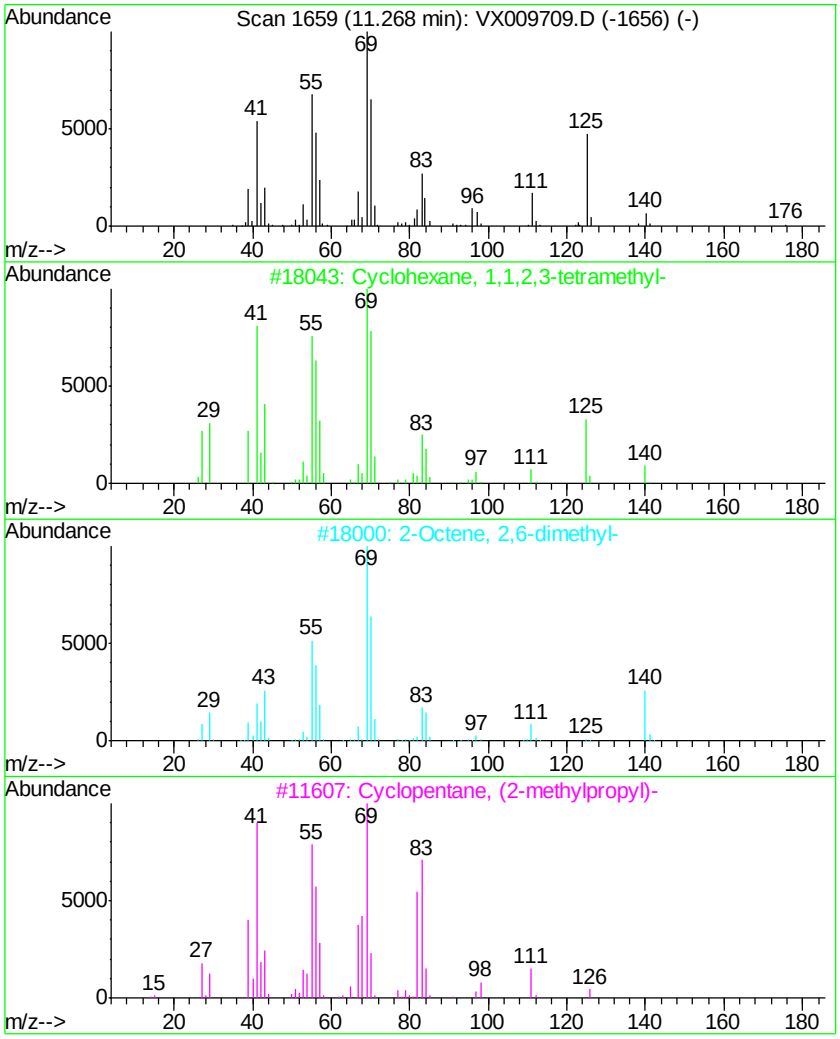
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

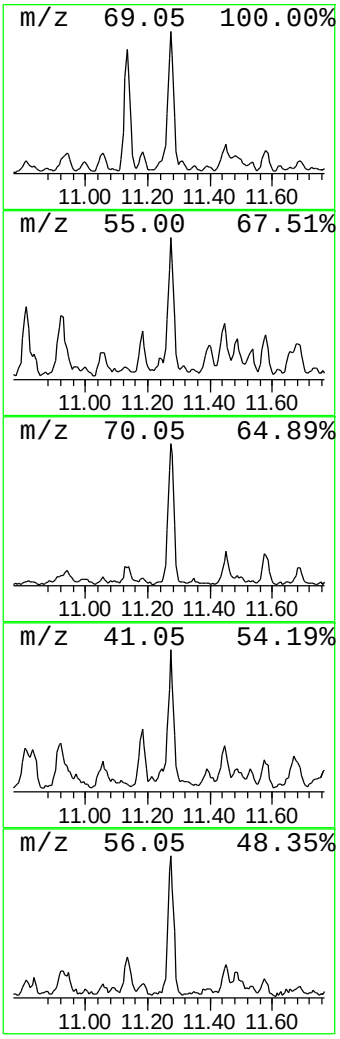
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	8.82 ug/l	115398	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
3	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	47
4	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
5	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

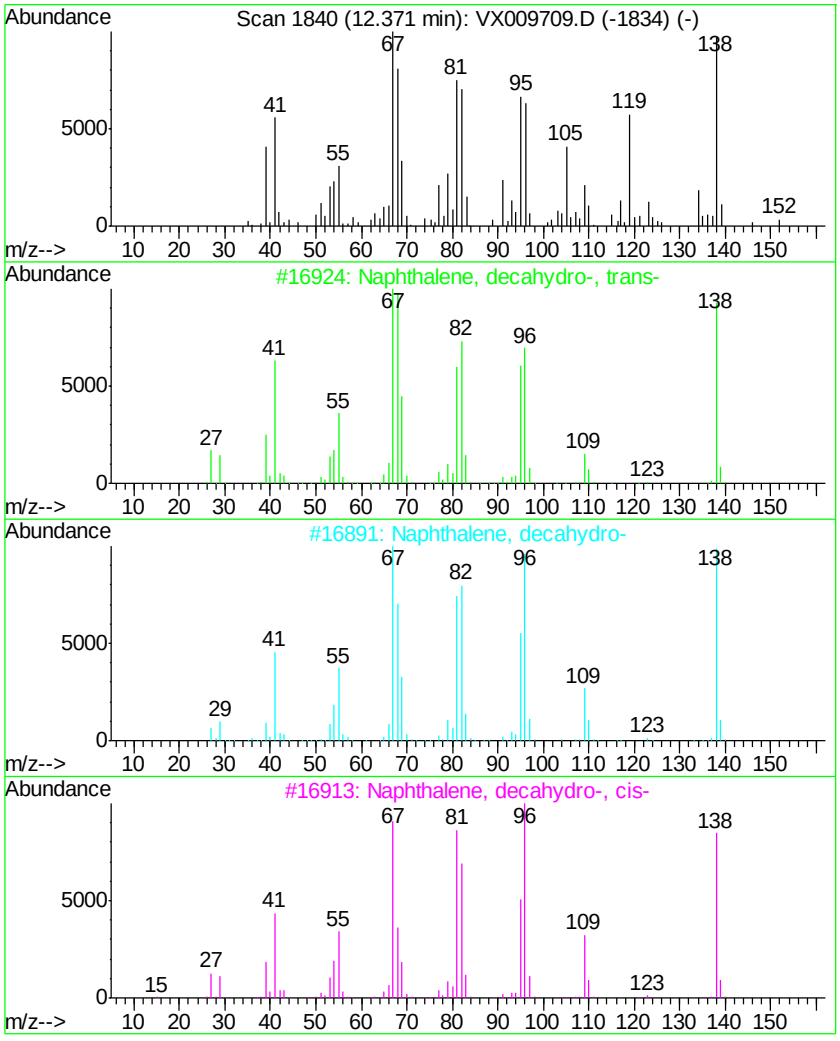
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

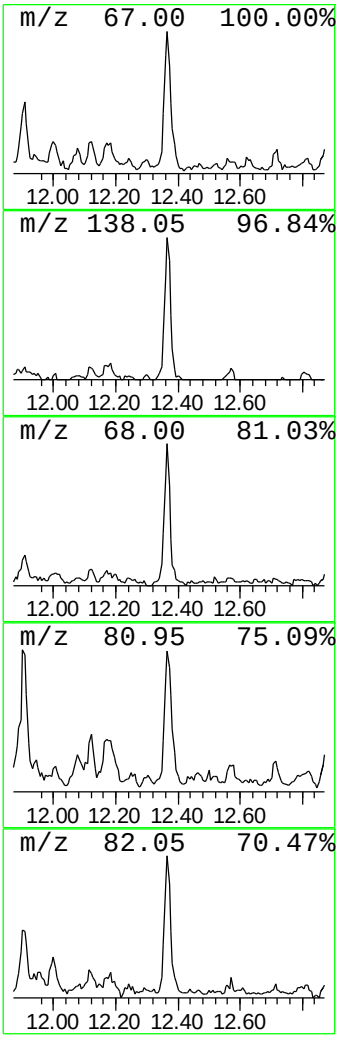
****

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	5.96 ug/l	77953	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	83
4	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	76
5	2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

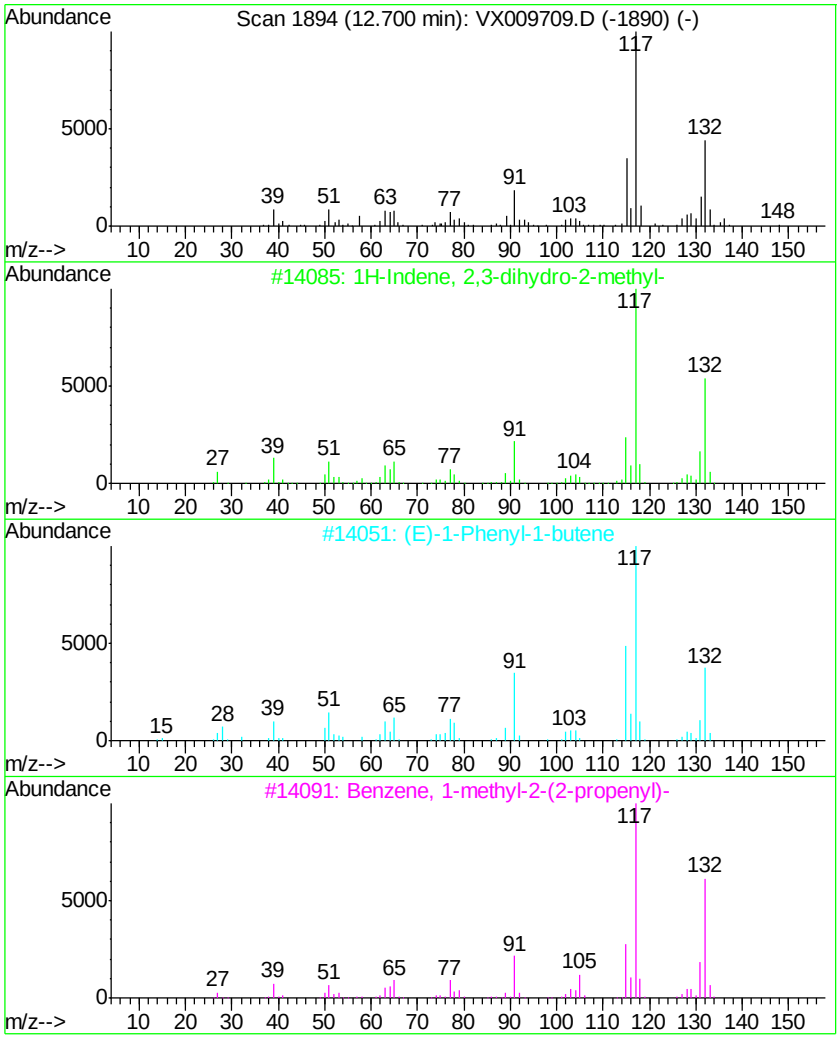
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

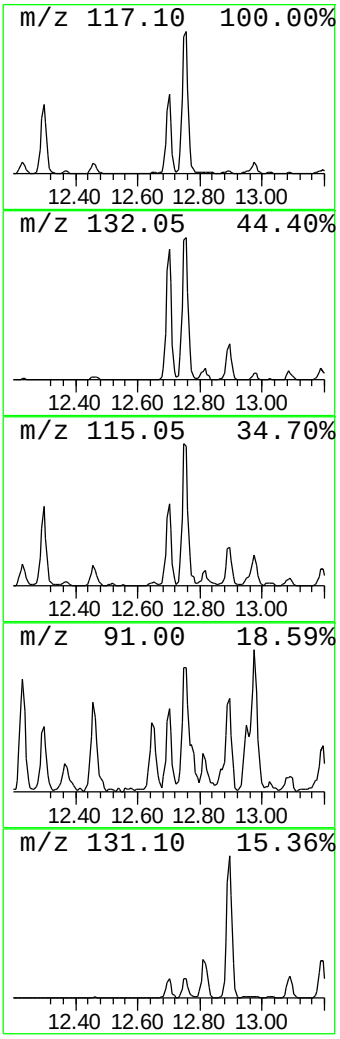
****

Peak Number 6 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	6.37 ug/l	83315	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	95
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

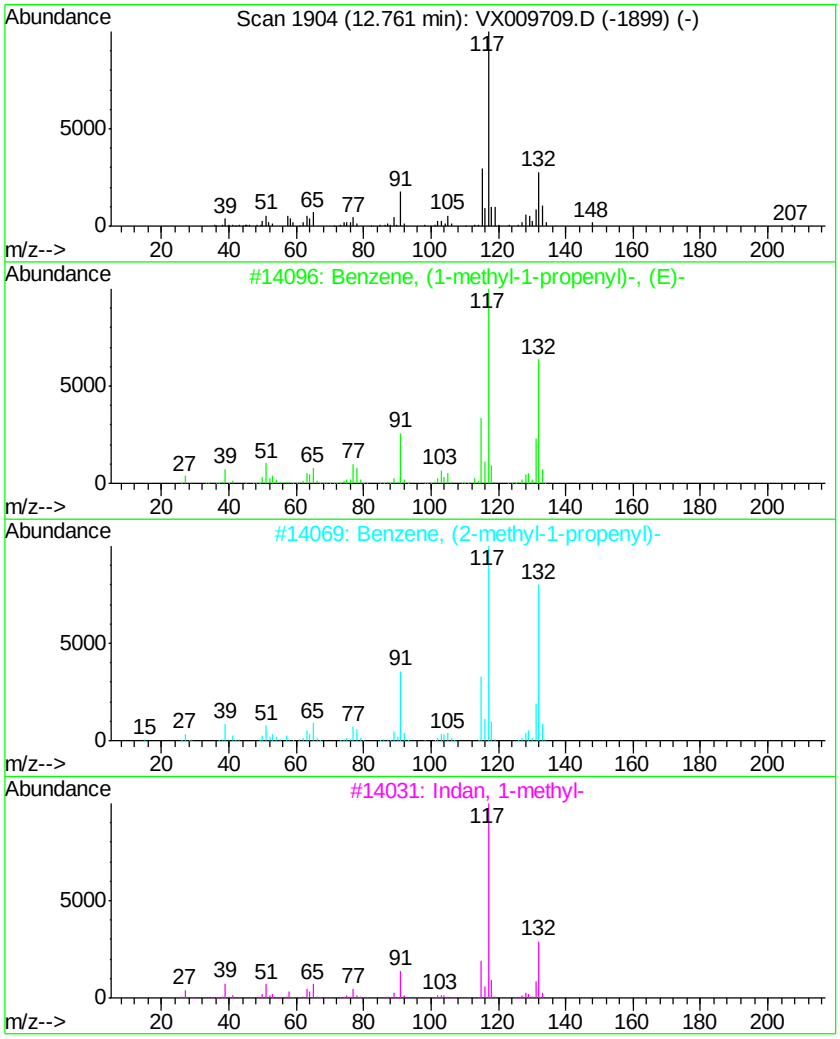
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

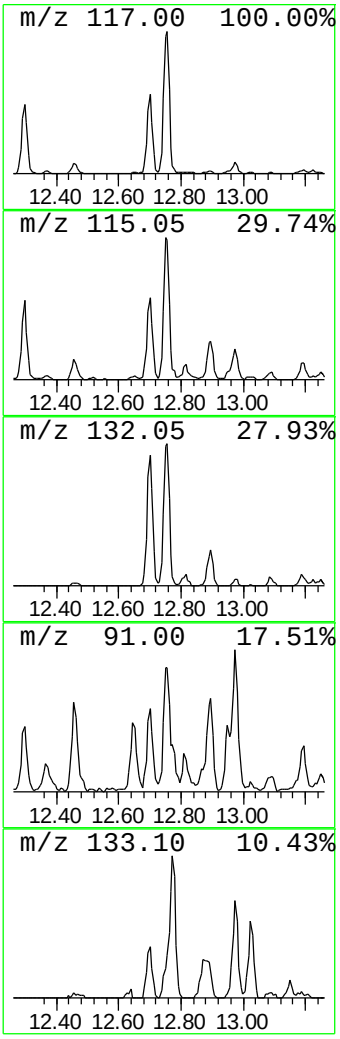
****

Peak Number 7 Benzene, (1-methyl-1-propen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	9.39 ug/l	122885	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

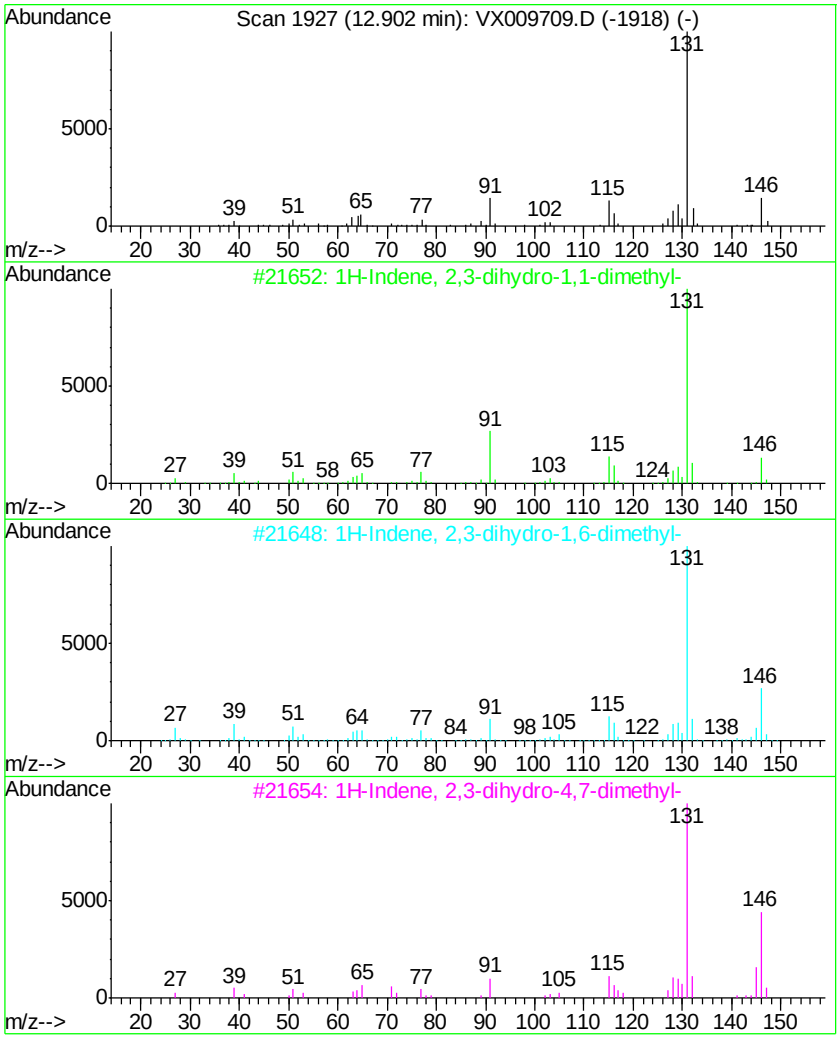
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

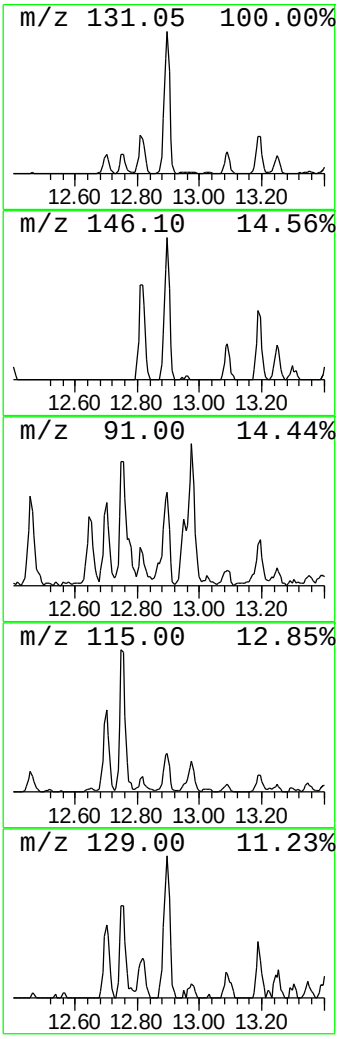
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	6.19 ug/l	81012	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

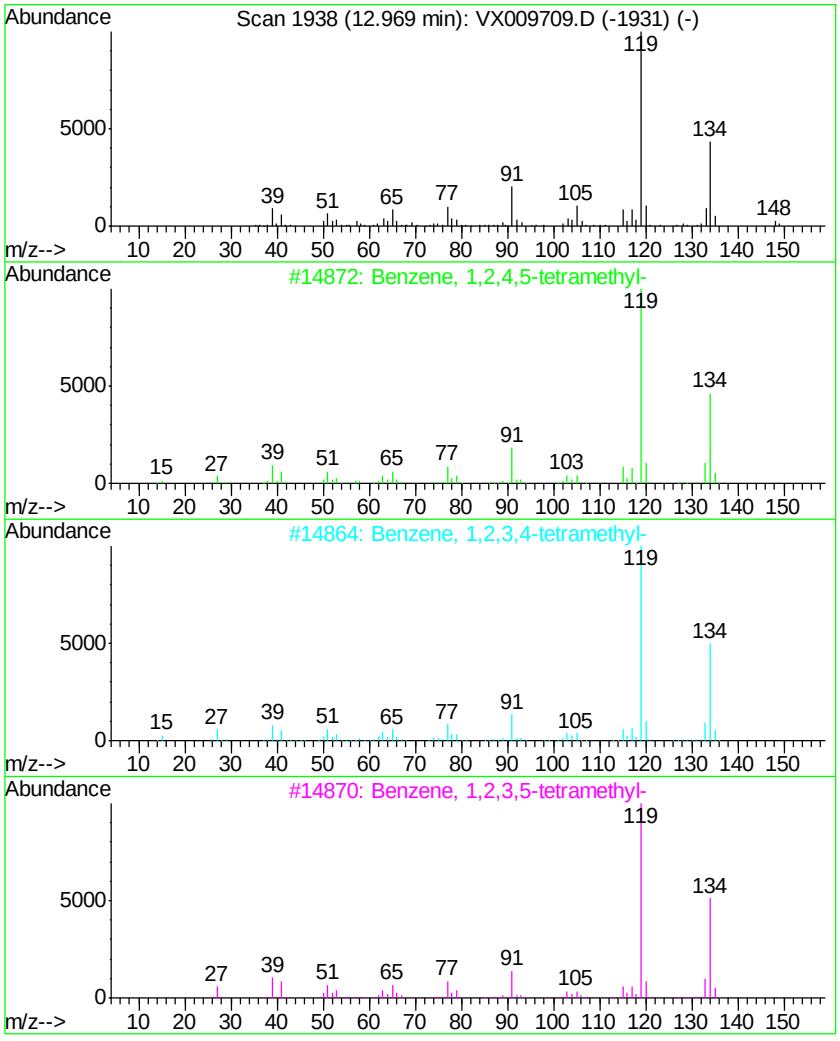
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

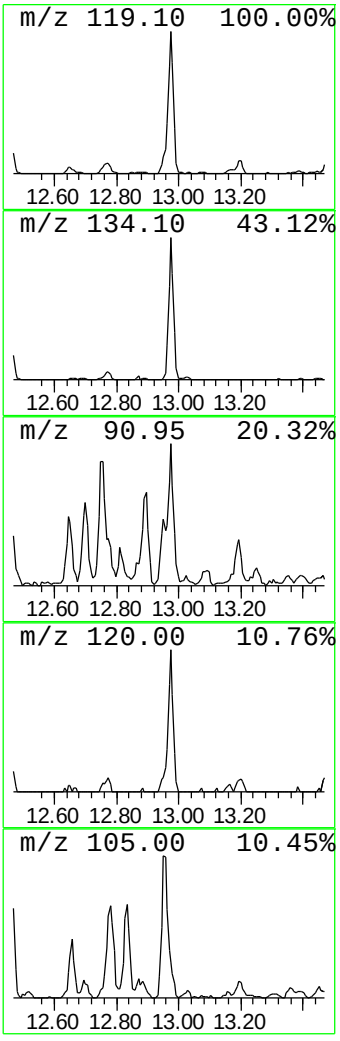
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	8.71 ug/l	113945	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009709.D
Acq On : 18 May 2019 10:56
Operator : JC/SP
Sample : K2901-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-02A_R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.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, 1,1,...	10.36	5.2	ug/l	78421	3	10.11	752938	50.0
Cyclohexane, 1-et...	10.65	10.2	ug/l	153759	3	10.11	752938	50.0
9-Methylbicyclo[3...	10.91	5.6	ug/l	83880	3	10.11	752938	50.0
Cyclohexane, 1,1,...	11.27	8.8	ug/l	115398	4	12.08	654404	50.0
Naphthalene, deca...	12.37	6.0	ug/l	77953	4	12.08	654404	50.0
1H-Indene, 2,3-di...	12.70	6.4	ug/l	83315	4	12.08	654404	50.0
Benzene, (1-methy...	12.76	9.4	ug/l	122885	4	12.08	654404	50.0
1H-Indene, 2,3-di...	12.90	6.2	ug/l	81012	4	12.08	654404	50.0
Benzene, 1,2,4,5-...	12.97	8.7	ug/l	113945	4	12.08	654404	50.0