LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
Sample : K5502-20
Misc : 4.24G/5ML/MSVOA W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

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_W\METHOD\82W102319S.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	4.123	355	364	371	rBV	5437	14172	1.02%	0.168%
2	4.909	483	493	506	rBV4	6337	22547	1.63%	0.267%
3	7.135	849	858	871	rBV2	4484	14316	1.03%	0.169%
4	7.878	969	980	985	rBV	191612	442806	31.95%	5.234%
5	7.945	985	991	1002	rVB	360224	800355	57.75%	9.461%
6	8.305	1039	1050	1061	rBV	165947	369848	26.69%	4.372%
7	8.842	1129	1138	1151	rBV	521035	1036720	74.81%	12.255%
8	10.323	1373	1381	1389	rBV	806025	1385848	100.00%	16.382%
9	11.628	1586	1595	1606	rBV	634871	1058781	76.40%	12.516%
10	12.000	1649	1656	1666	rBV	149205	240437	17.35%	2.842%
11	12.469	1725	1733	1741	rVB	108422	180918	13.05%	2.139%
12	12.615	1747	1757	1765	rBV	447445	743377	53.64%	8.787%
13	12.719	1765	1774	1781	rVB	106260	184043	13.28%	2.176%
14	12.932	1803	1809	1818	rBV2	63147	121860	8.79%	1.440%
15	13.024	1818	1824	1834	rVB	116816	200533	14.47%	2.370%
16	13.359	1874	1879	1888	rBV6	8477	18133	1.31%	0.214%
17	13.469	1890	1897	1899	rVV3	17638	29997	2.16%	0.355%
18	13.499	1899	1902	1905	rVV	29850	44415	3.20%	0.525%
19	13.554	1905	1911	1917	rVV	451925	757371	54.65%	8.953%
20	13.615	1917	1921	1930	rVV	398642	664266	47.93%	7.852%
21	14.072	1990	1996	2003	rVB	12824	21718	1.57%	0.257%
22	14.725	2094	2103	2110	rVB2	11268	19386	1.40%	0.229%
23	15.066	2153	2159	2170	rVB2	47789	87857	6.34%	1.039%

Sum of corrected areas: 8459704

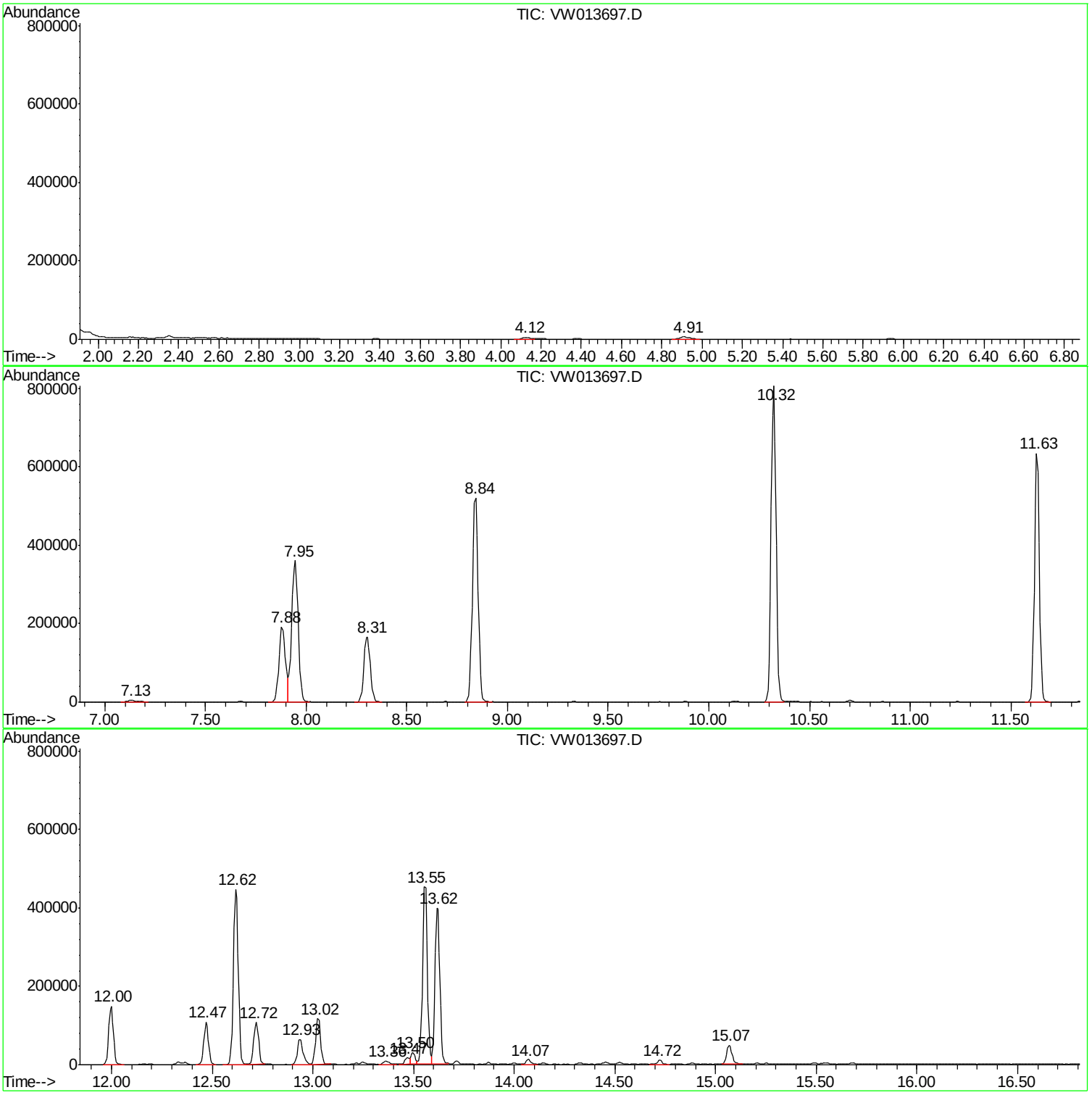
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
Sample : K5502-20
Misc : 4.24G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.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_W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
Sample : K5502-20
Misc : 4.24G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

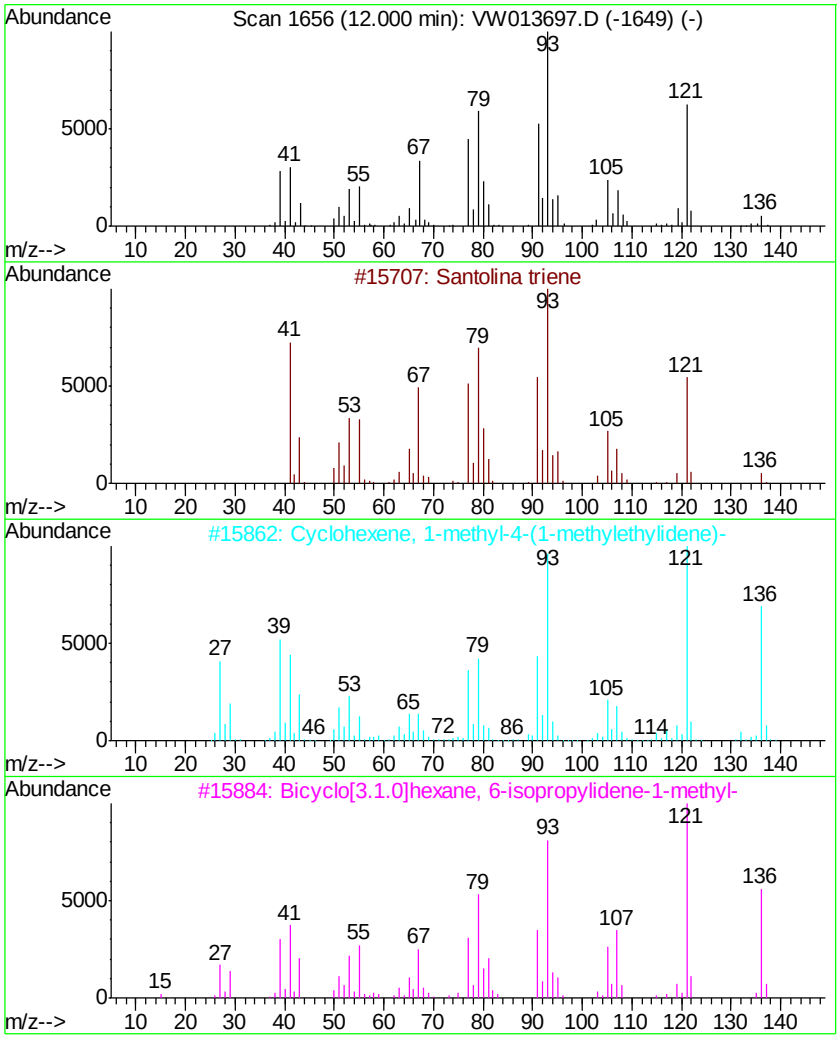
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

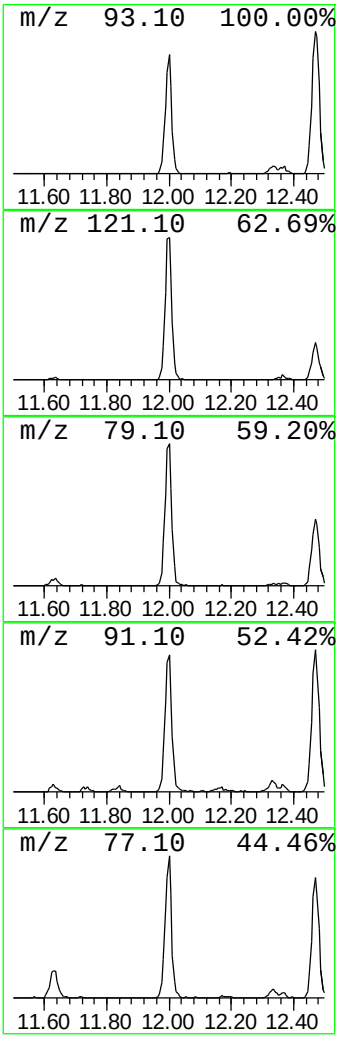
****

Peak Number 1 Santolina triene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.35 ug/l	240437	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Santolina triene	136	C10H16	002153-66-4	97
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	94
3	Bicyclo[3.1.0]hexane, 6-isopropy...	136	C10H16	024524-57-0	93
4	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	87
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
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Misc : 4.24G/5ML/MSVOA W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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

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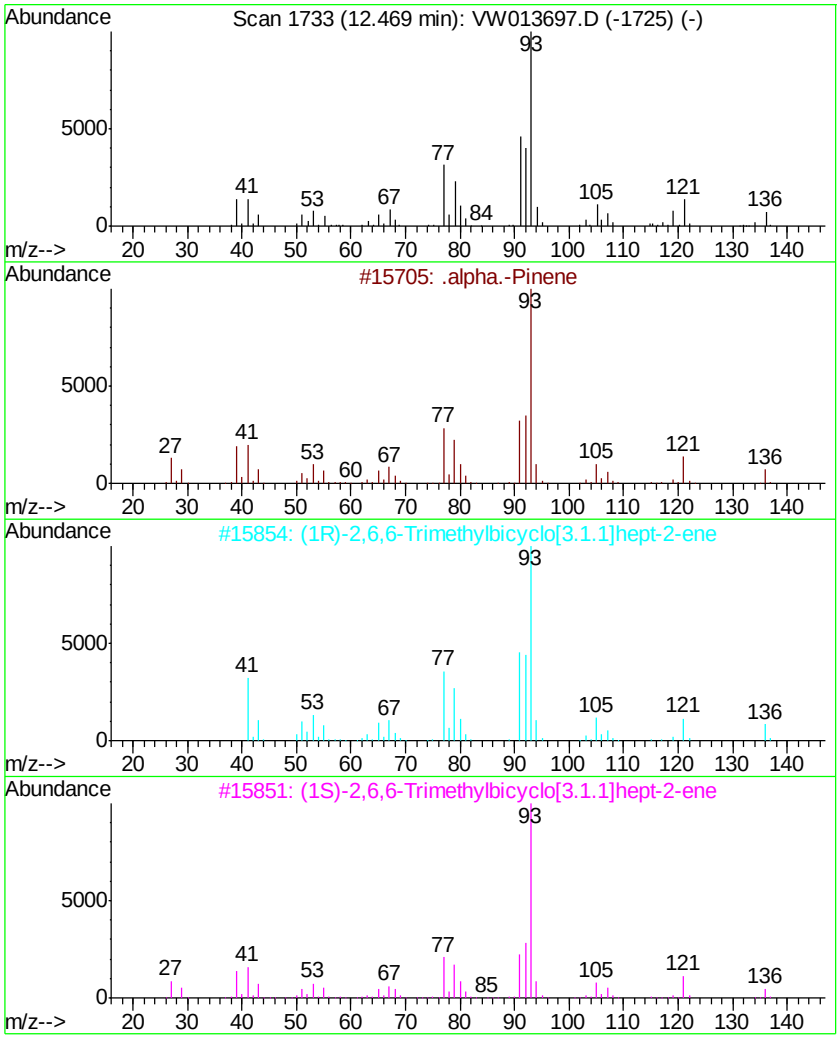
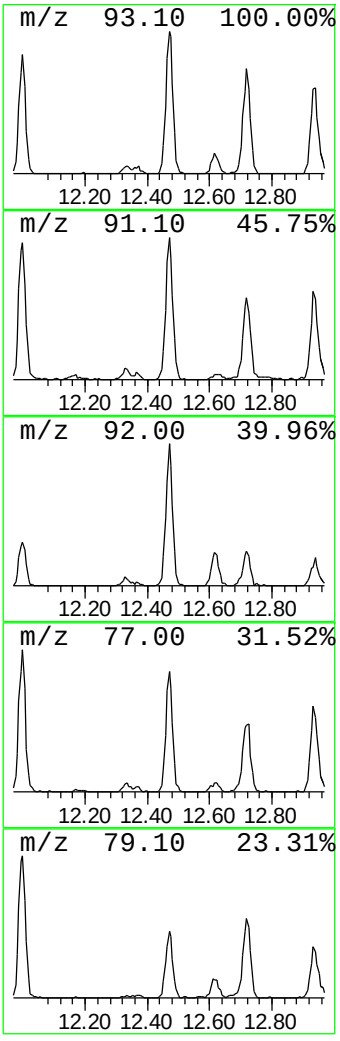
Peak Number 2 .alpha.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.54 ug/l	180918	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
Sample : K5502-20
Misc : 4.24G/5ML/MSVOA W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

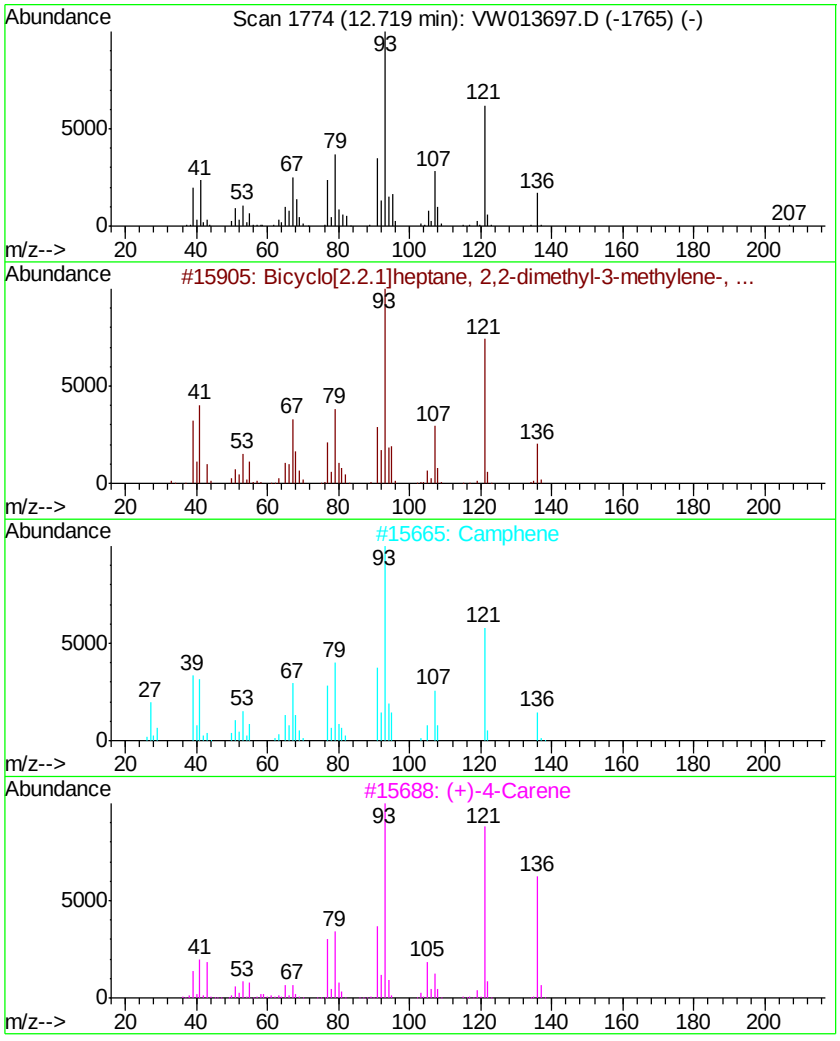
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

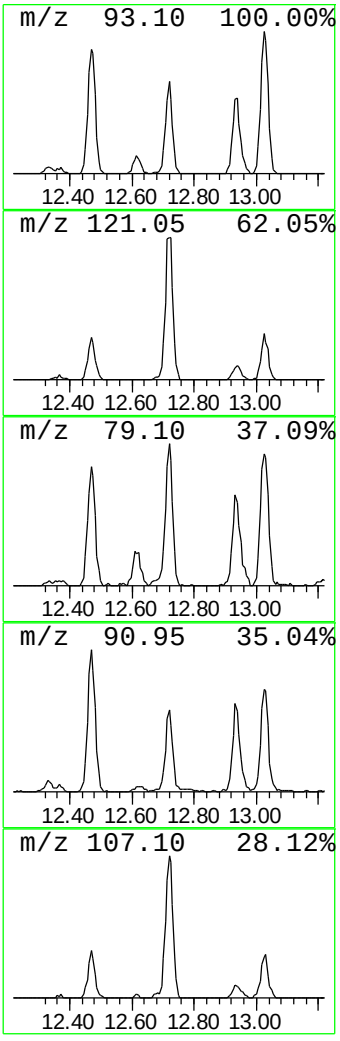
****

Peak Number 3 Bicyclo[2.2.1]heptane, 2,2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	12.15 ug/l	184043	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	98
2	Camphene	136	C10H16	000079-92-5	97
3	(+)-4-Carene	136	C10H16	029050-33-7	83
4	Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	83
5	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
Sample : K5502-20
Misc : 4.24G/5ML/MSVOA W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

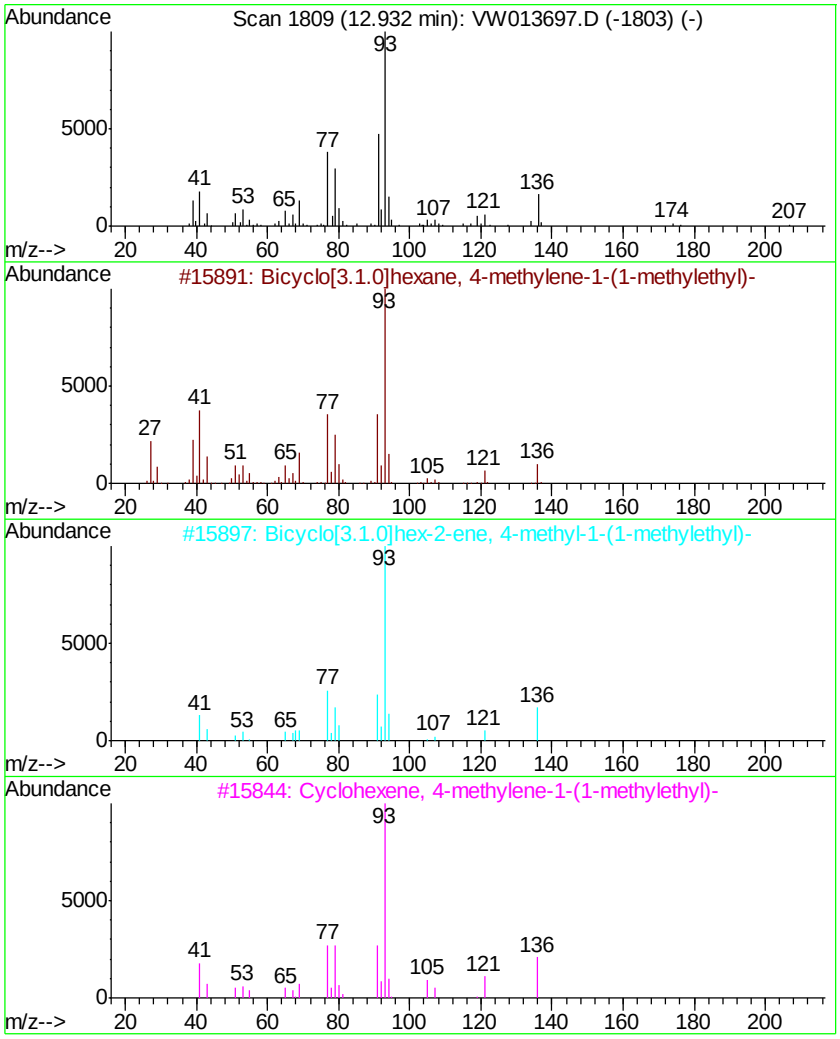
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

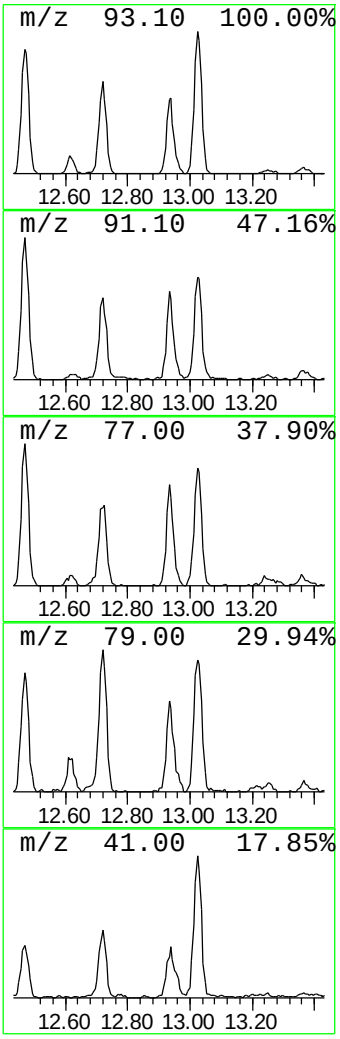
****

Peak Number 4 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	8.04 ug/l	121860	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	94
2	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	91
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	90
4	.beta.-Phellandrene	136	C10H16	000555-10-2	83
5	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102319\
Data File : VW013697.D
Acq On : 24 Oct 2019 05:42
Operator : SY/VA
Sample : K5502-20
Misc : 4.24G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

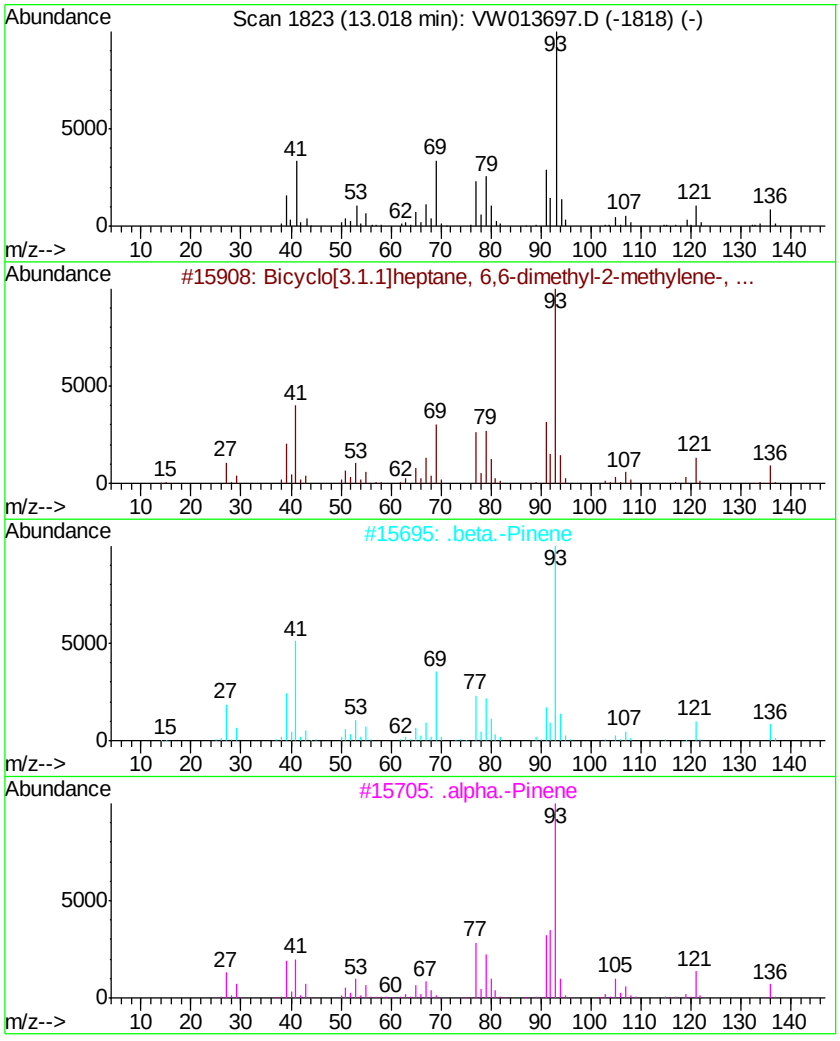
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

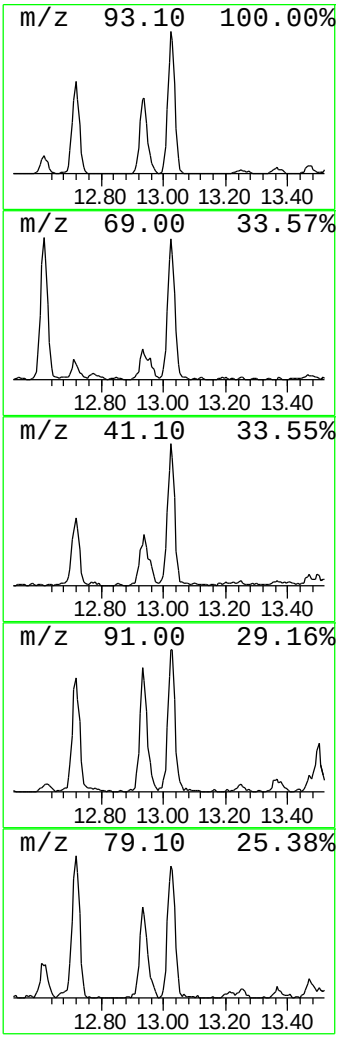
****

Peak Number 5 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	13.24 ug/l	200533	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	93
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91





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ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

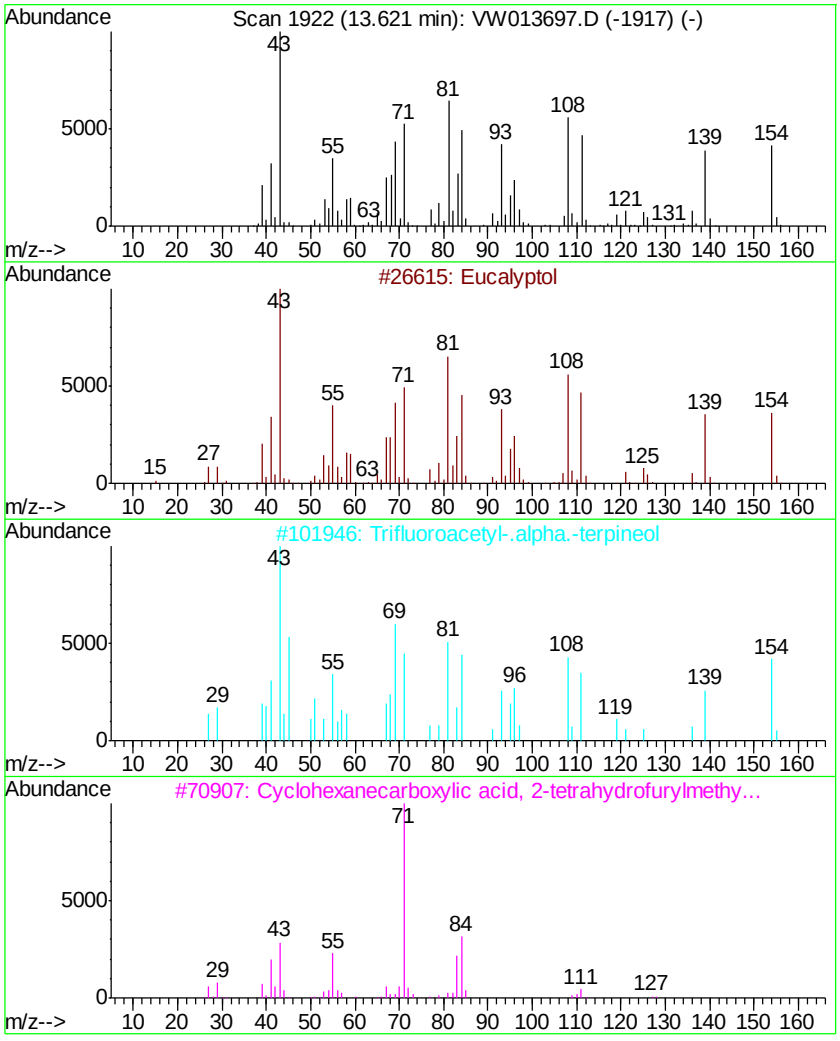
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

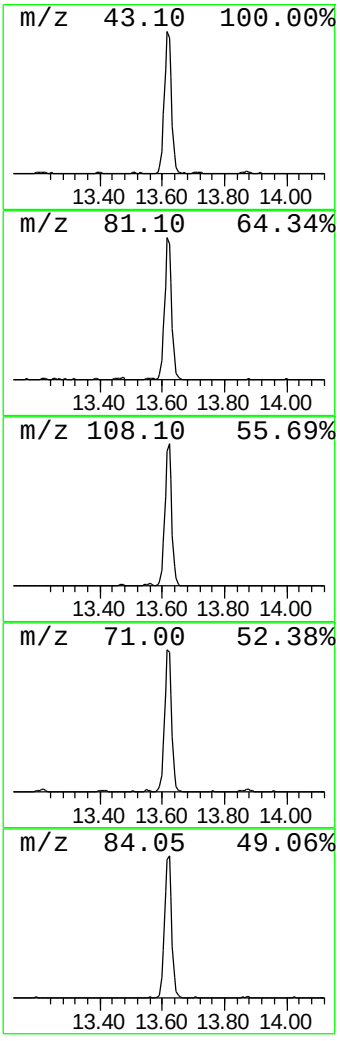
****

Peak Number 6 Eucalyptol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	43.85 ug/l	664266	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	62
3	Cyclohexanecarboxylic acid, 2-te...	212	C12H20O3	1000279-85-7	22
4	Sulfurous acid, 2-pentyl propyl ...	194	C8H18O3S	1000309-15-1	22
5	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	16





Library Search Compound Report

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ClientSampleId : 176-86-(2.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

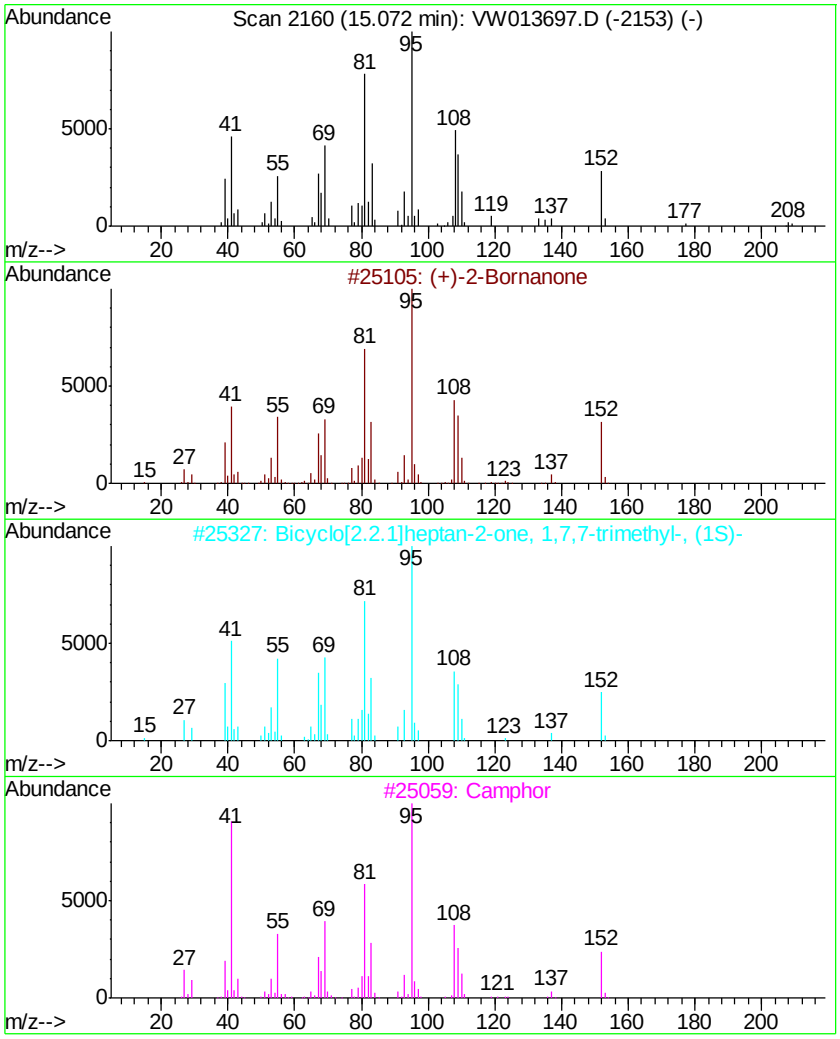
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

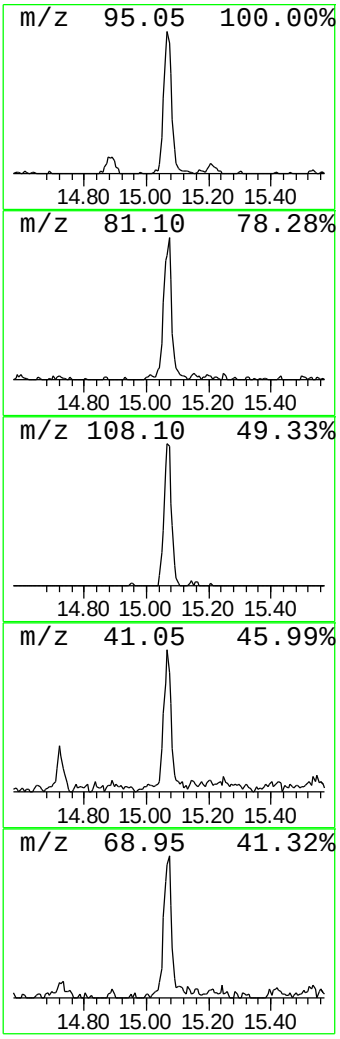
****

Peak Number 7 (+)-2-Bornanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	5.80 ug/l	87857	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	94
3	Camphor	152	C10H16O	000076-22-2	94
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	43
5	5-Hepten-2-ol, 6-methyl-	128	C8H16O	001569-60-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102319\
Data File : VW013697.D
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Operator : SY/VA
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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
Santolina triene	12.00	11.4	ug/l	240437	3	11.63	1058780	50.0
.alpha.-Pinene	12.47	8.5	ug/l	180918	3	11.63	1058780	50.0
Bicyclo[2.2.1]hep...	12.72	12.2	ug/l	184043	4	13.56	757371	50.0
Bicyclo[3.1.0]hex...	12.93	8.0	ug/l	121860	4	13.56	757371	50.0
Bicyclo[3.1.1]hep...	13.02	13.2	ug/l	200533	4	13.56	757371	50.0
Eucalyptol	13.62	43.9	ug/l	664266	4	13.56	757371	50.0
(+)-2-Bornanone	15.07	5.8	ug/l	87857	4	13.56	757371	50.0