LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X061818W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.581	159	163	170	rVB	184048	214052	1.53%	0.624%
2	2.446	298	305	322	rBV	2945983	5173380	37.03%	15.071%
3	2.623	323	334	349	rBV	1669092	3346632	23.95%	9.750%
4	4.714	668	677	687	rBV	50726	142124	1.02%	0.414%
5	5.025	714	728	740	rBV	114819	343063	2.46%	0.999%
6	6.074	890	900	912	rBV	121487	316380	2.26%	0.922%
7	6.866	1020	1030	1042	rBV	273926	643467	4.61%	1.875%
8	8.720	1328	1334	1339	rBV	536774	825566	5.91%	2.405%
9	8.793	1339	1346	1362	rVB	9023564	13972550	100.00%	40.705%
10	10.116	1551	1563	1576	rBV	566898	772371	5.53%	2.250%
11	10.597	1632	1642	1648	rBV	1055234	1352021	9.68%	3.939%
12	11.140	1726	1731	1737	rVB	532050	668210	4.78%	1.947%
13	11.238	1742	1747	1755	rVB2	108705	199200	1.43%	0.580%
14	11.945	1858	1863	1869	rVB	479569	607810	4.35%	1.771%
15	12.067	1878	1883	1888	rBV	1209814	1374694	9.84%	4.005%
16	12.164	1892	1899	1909	rBV	387047	562948	4.03%	1.640%
17	12.274	1912	1917	1925	rBV	679076	863453	6.18%	2.515%
18	13.396	2097	2101	2110	rVB	387683	488690	3.50%	1.424%
19	13.573	2121	2130	2134	rBV	703324	957616	6.85%	2.790%
20	13.627	2134	2139	2151	rVB	1066990	1501736	10.75%	4.375%

Sum of corrected areas: 34325963

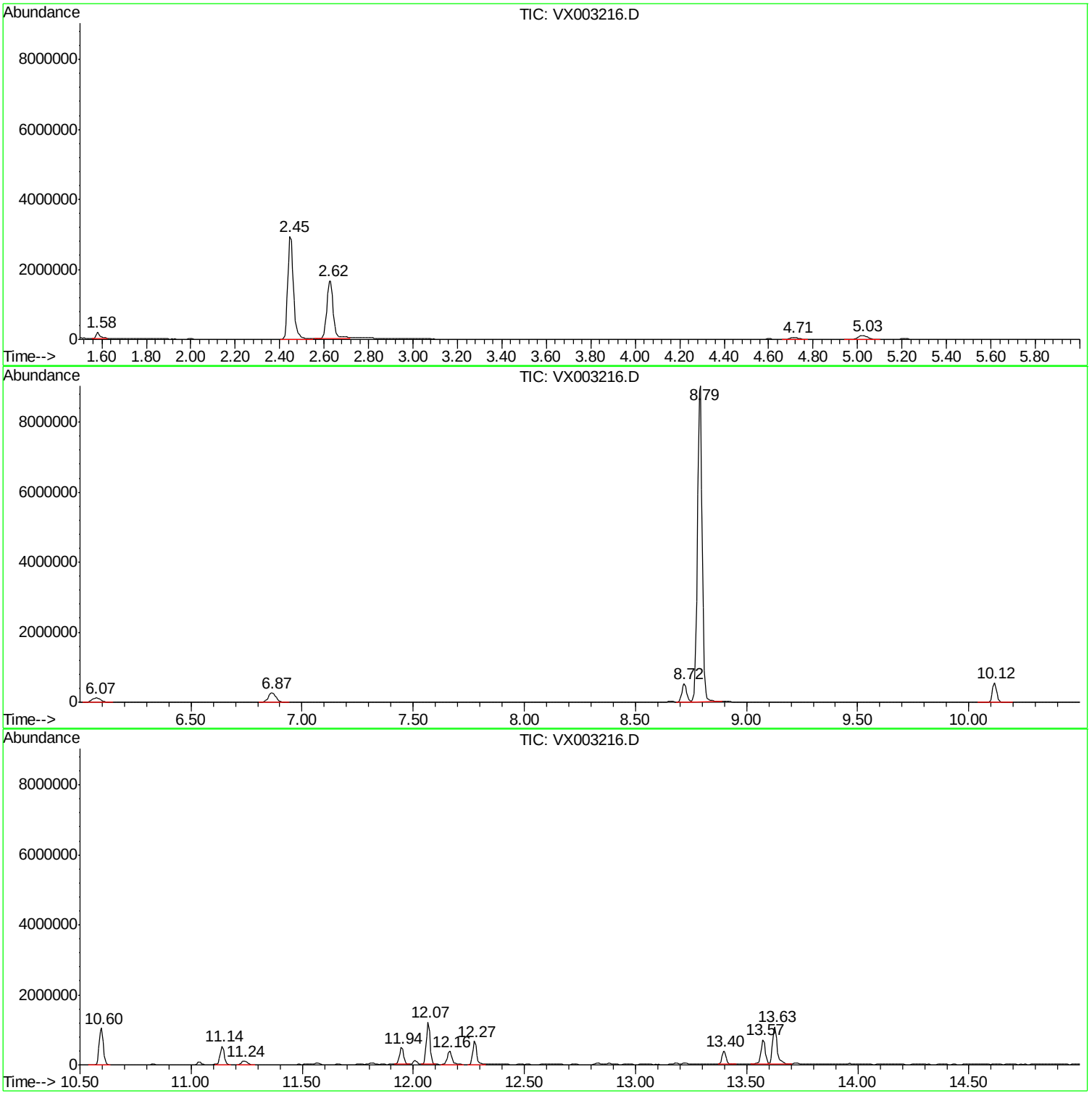
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

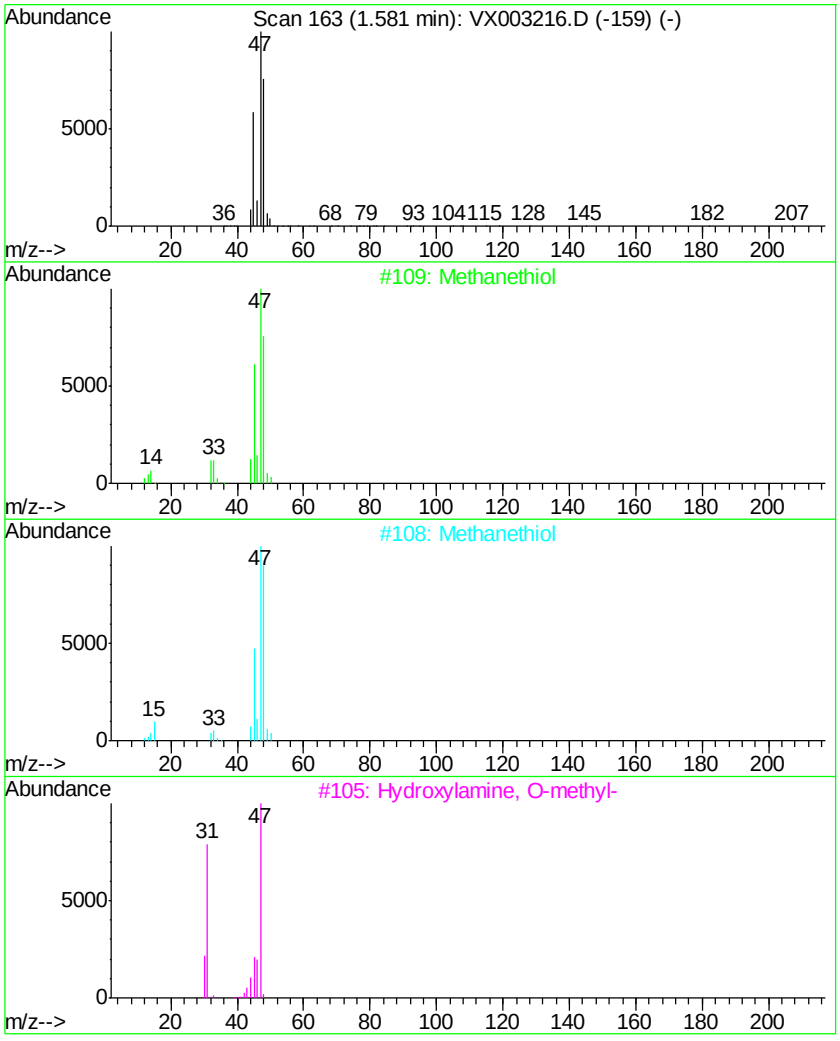
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

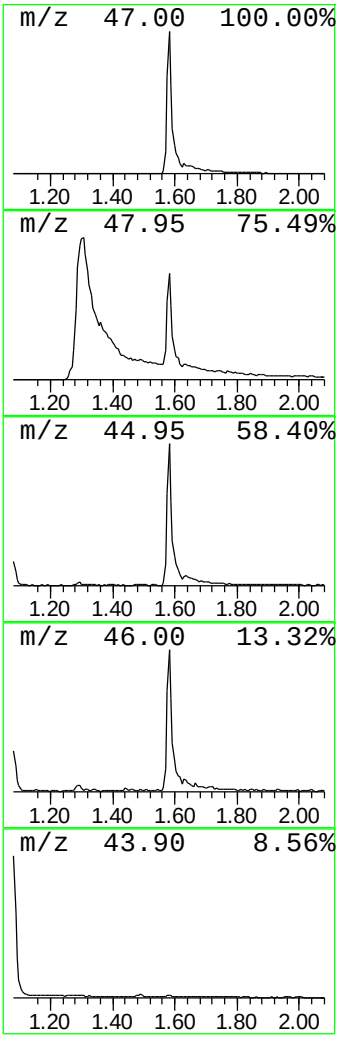
****

Peak Number 1 Methanethiol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.58	18.72 ug/l	214052	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	90
2	Methanethiol	48	CH4S	000074-93-1	90
3	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	9
4	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	7
5	Methane, nitroso-	45	CH3NO	000865-40-7	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

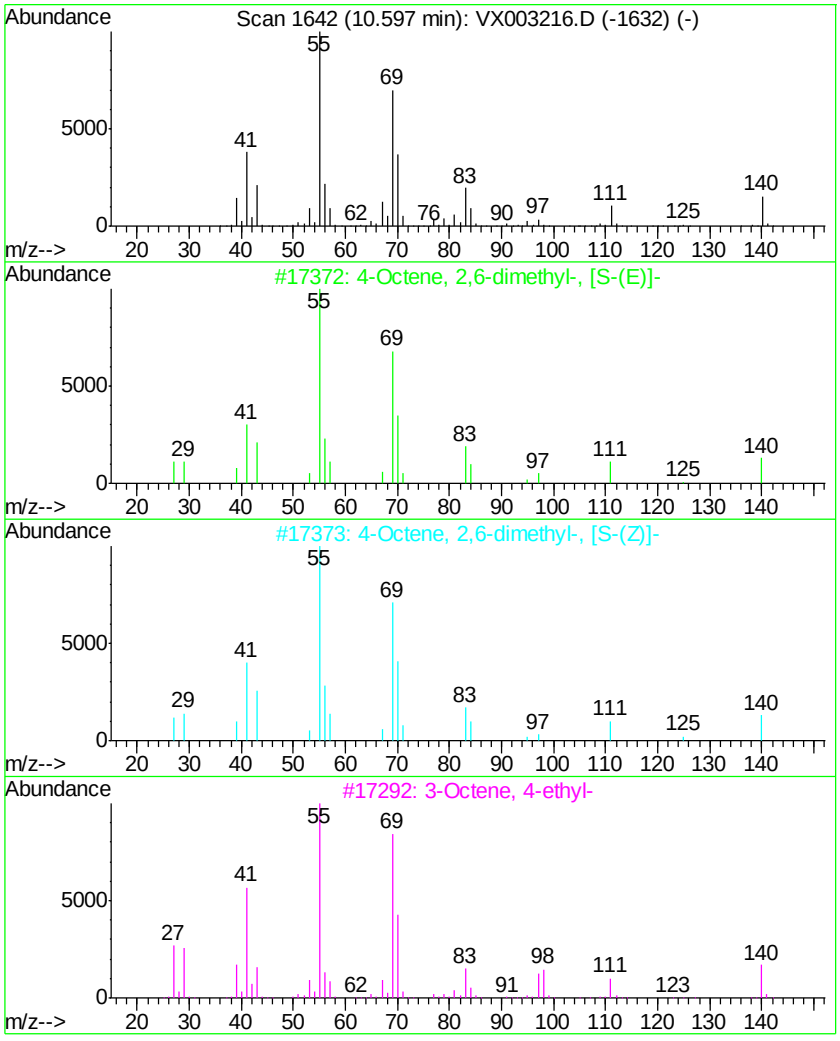
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

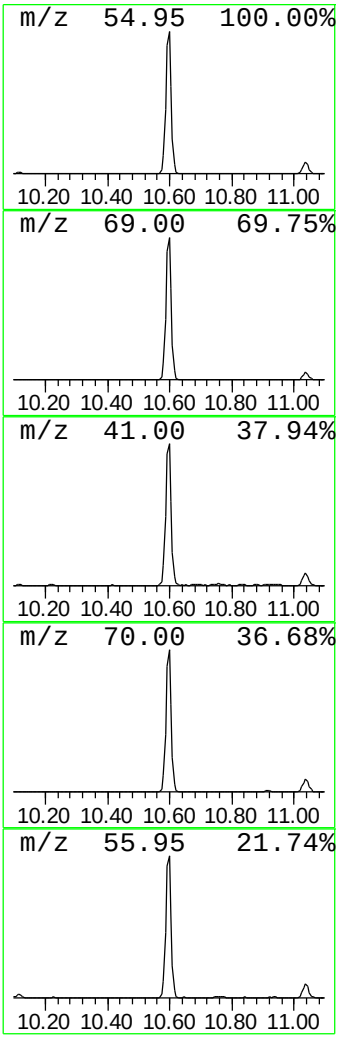
****

Peak Number 2 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	52.51 ug/l	1352020	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	93
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	87
3	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	68
4	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	64
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

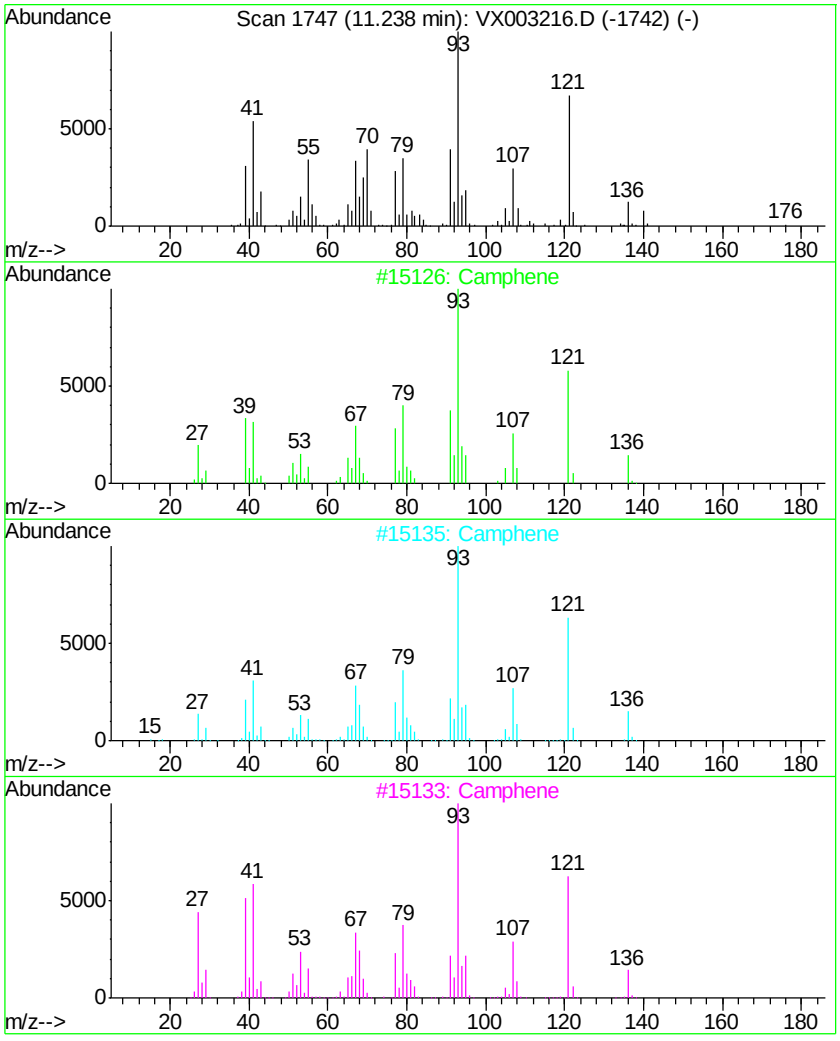
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

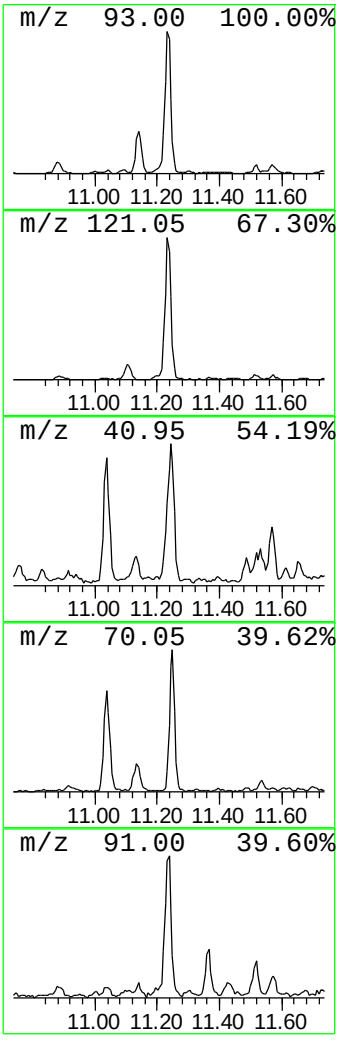
****

Peak Number 3 Camphene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	7.74 ug/l	199200	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	93
2	Camphene	136	C10H16	000079-92-5	93
3	Camphene	136	C10H16	000079-92-5	74
4	Bicyclo[4.1.0]hept-2-ene, 3,7,7-...	136	C10H16	000554-61-0	68
5	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

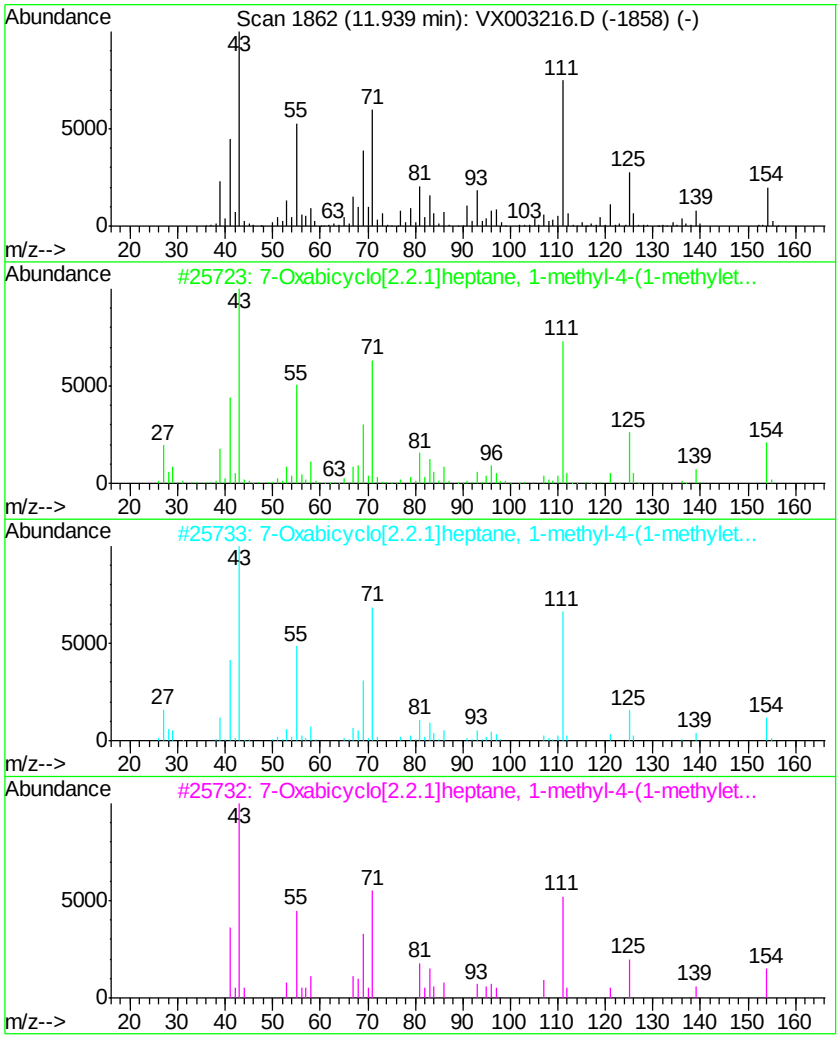
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

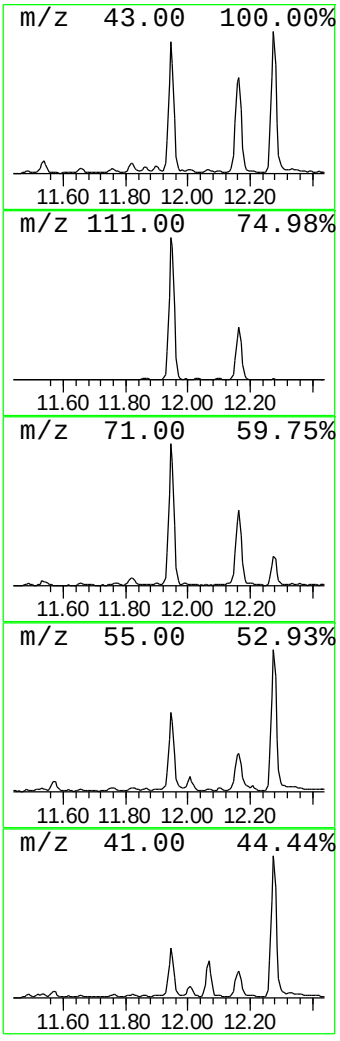
****

Peak Number 4 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	23.61 ug/l	607810	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	94
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	81
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	52
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	49
5	Octahydronaphthalen-4a-ol	154	C10H18O	055693-34-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

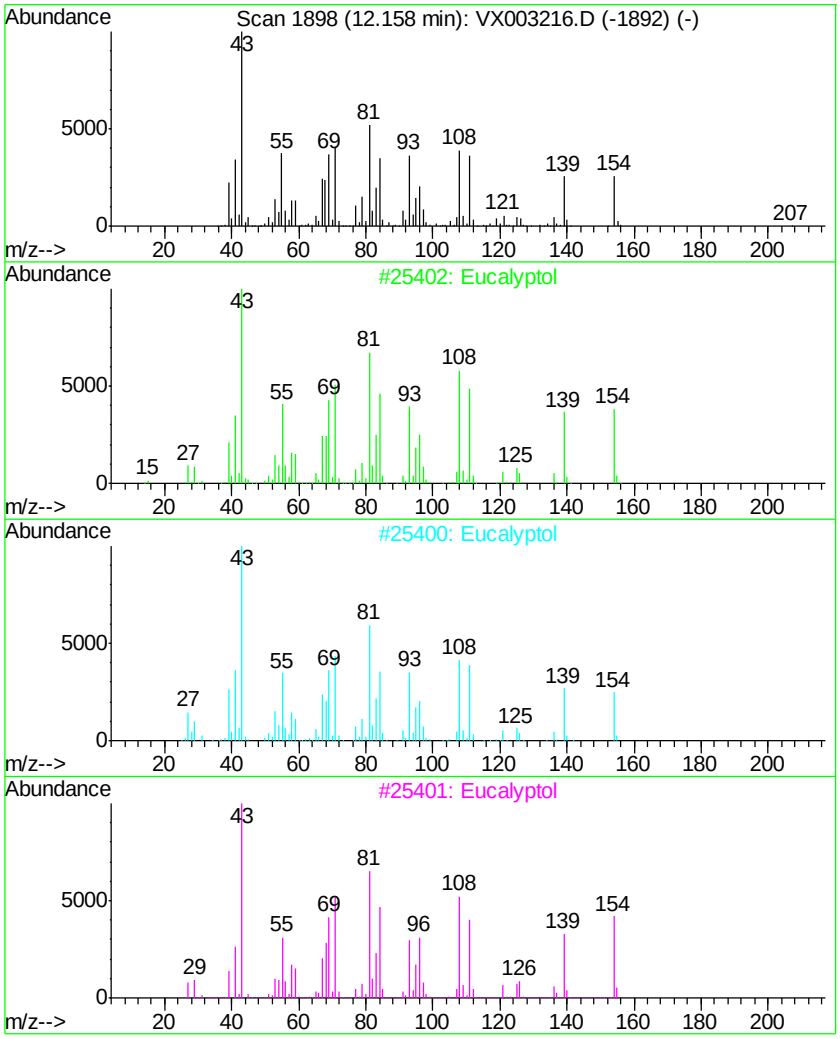
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

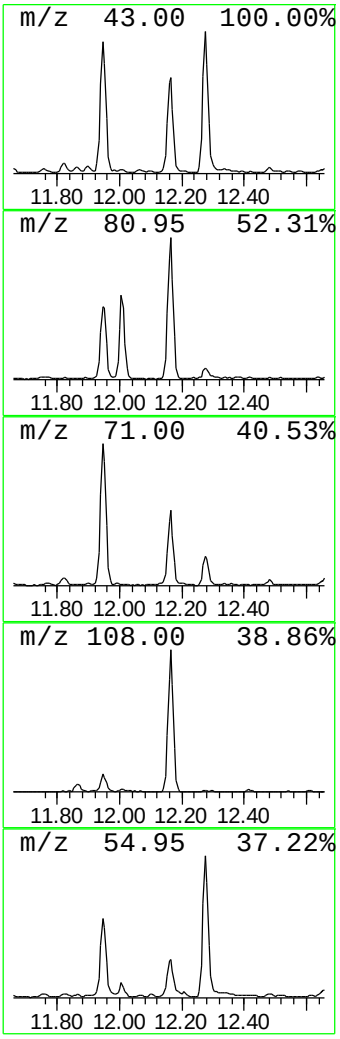
****

Peak Number 5 Eucalyptol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	21.87 ug/l	562948	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	98
3	Eucalyptol	154	C10H18O	000470-82-6	96
4	Eucalyptol	154	C10H18O	000470-82-6	95
5	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

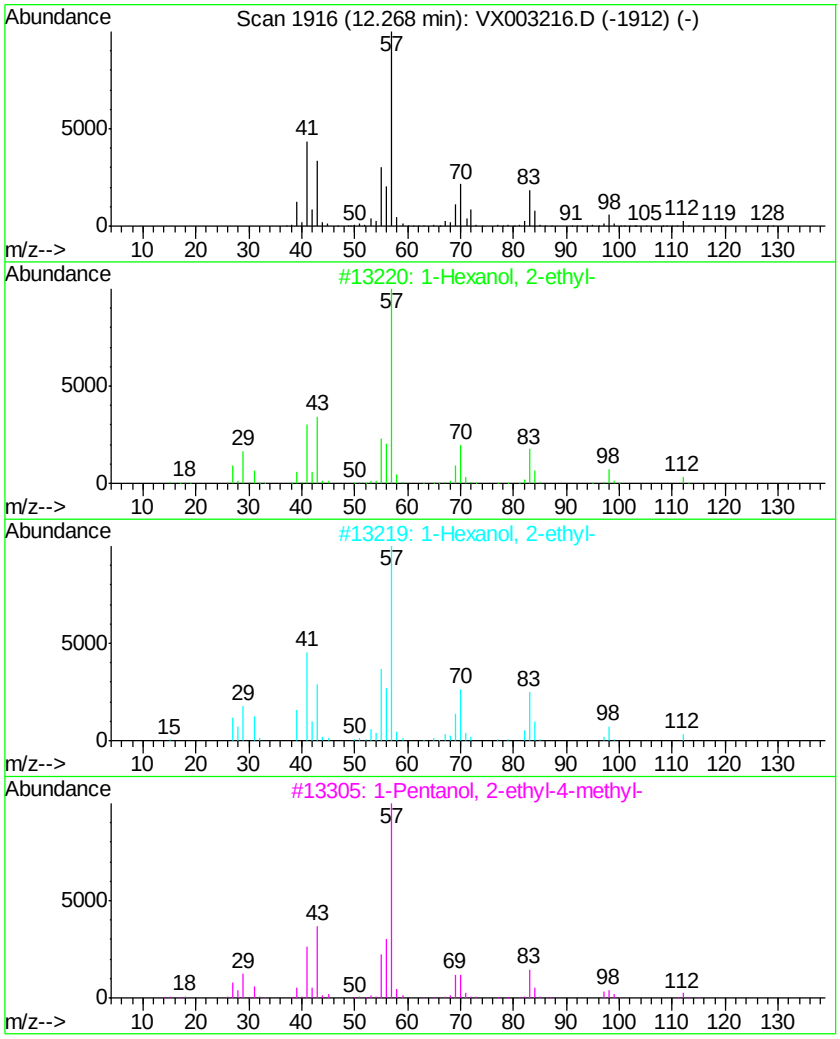
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

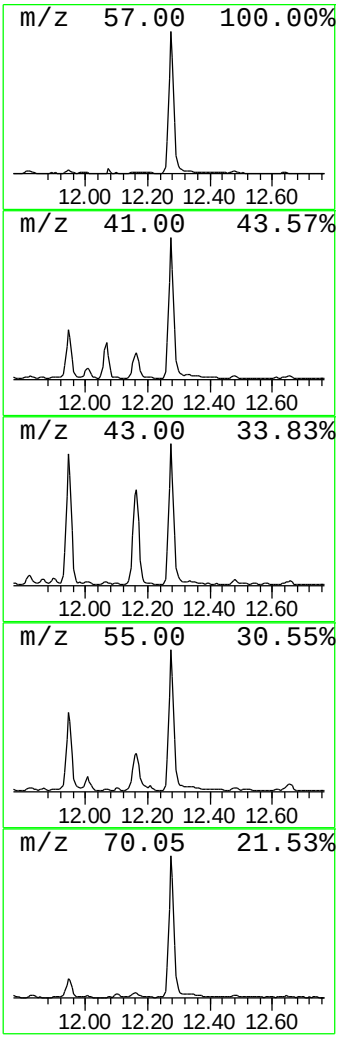
****

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	33.54 ug/l	863453	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	72
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

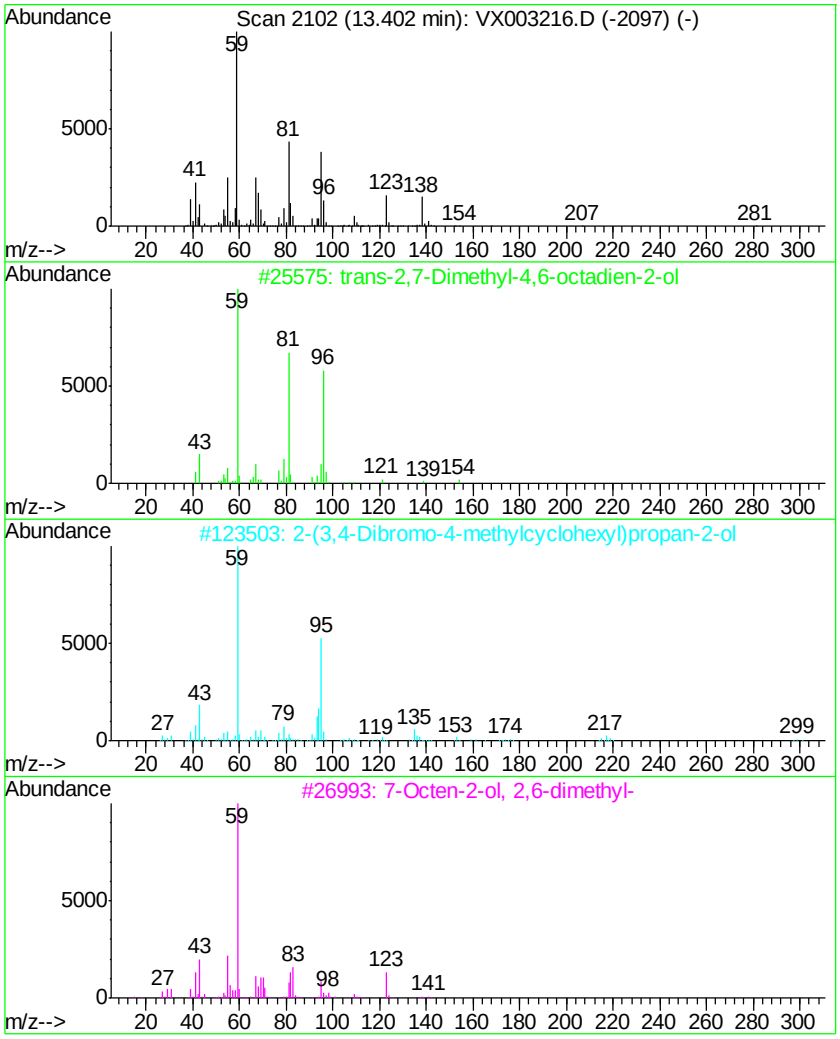
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

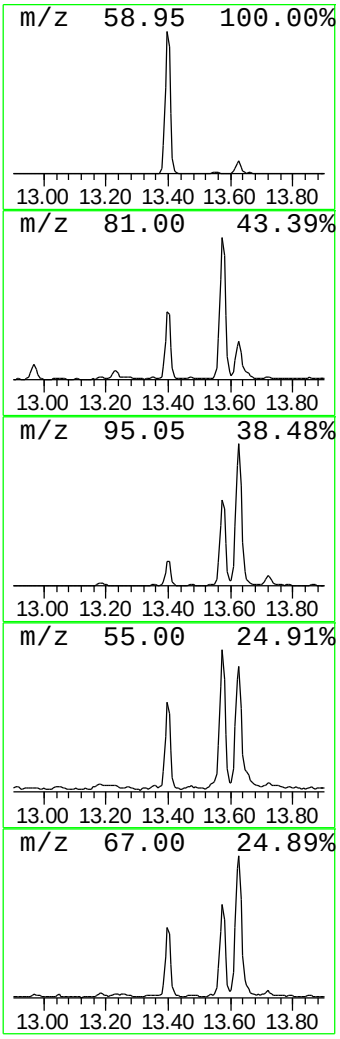
****

Peak Number 7 unknown13.40 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	18.98 ug/l	488690	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,7-Dimethyl-4,6-octadien-...	154	C10H18O	1000281-69-5	40
2	2-(3,4-Dibromo-4-methylcyclohexy...	312	C10H18Br2O	110202-13-6	38
3	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	38
4	7-Octen-4-ol, 2-methyl-6-methylene-	154	C10H18O	014314-21-7	32
5	Cyclooctanemethanol, .alpha.,.al...	170	C11H22O	016624-06-9	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

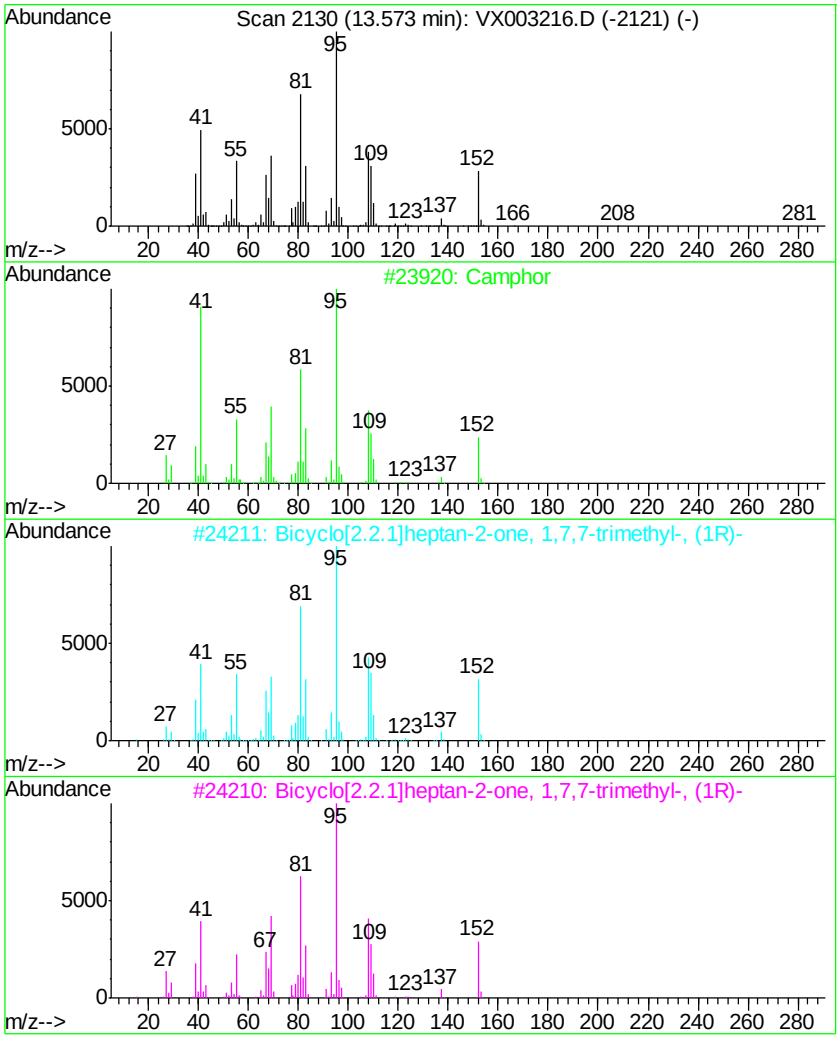
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

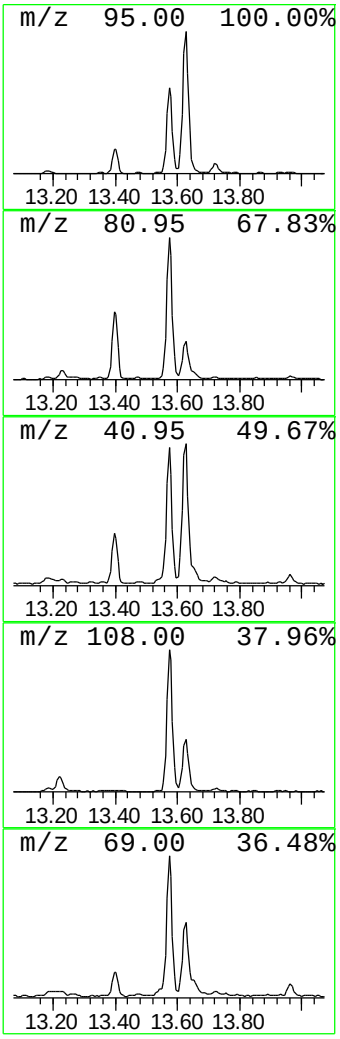
****

Peak Number 8 Camphor Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	37.20 ug/l	957616	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	98
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
4	Camphor	152	C10H16O	000076-22-2	98
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070618\
Data File : VX003216.D
Acq On : 06 Jul 2018 15:12
Operator : JC/MD
Sample : J3894-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methanethiol	1.58	18.7	ug/l	214052	1	5.02	343063	30.0
4-Octene, 2,6-dim...	10.60	52.5	ug/l	1352020	3	10.12	772371	30.0
Camphene	11.24	7.7	ug/l	199200	3	10.12	772371	30.0
7-Oxabicyclo[2.2....	11.94	23.6	ug/l	607810	3	10.12	772371	30.0
Eucalyptol	12.16	21.9	ug/l	562948	3	10.12	772371	30.0
1-Hexanol, 2-ethyl-	12.27	33.5	ug/l	863453	3	10.12	772371	30.0
unknown13.40	13.40	19.0	ug/l	488690	3	10.12	772371	30.0
Camphor	13.57	37.2	ug/l	957616	3	10.12	772371	30.0