LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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	5.025	716	728	744	rBV2	110703	331066	3.41%	0.932%
2	6.074	889	900	925	rBV	115563	317064	3.27%	0.892%
3	6.866	1020	1030	1043	rBV	265577	618534	6.38%	1.740%
4	8.720	1327	1334	1341	rBV	530216	801496	8.26%	2.255%
5	10.116	1554	1563	1574	rVB	550935	750417	7.74%	2.112%
6	11.140	1723	1731	1737	rBV	492329	612237	6.31%	1.723%
7	12.274	1911	1917	1930	rVV2	1075820	1438573	14.83%	4.048%
8	12.371	1930	1933	1941	rVV2	63191	114518	1.18%	0.322%
9	12.451	1941	1946	1950	rVV2	89364	128719	1.33%	0.362%
10	12.506	1950	1955	1963	rVB4	142279	309429	3.19%	0.871%
11	12.609	1965	1972	1978	rVB	300411	395027	4.07%	1.112%
12	12.682	1978	1984	1987	rBV	137208	179575	1.85%	0.505%
13	12.792	1996	2002	2004	rBV	160152	223670	2.31%	0.629%
14	12.847	2004	2011	2015	rVV2	862676	1838590	18.95%	5.174%
15	12.920	2015	2023	2028	rVV	2854490	4844053	49.94%	13.631%
16	12.981	2028	2033	2037	rVV4	147358	417253	4.30%	1.174%
17	13.030	2037	2041	2043	rVV2	490785	671415	6.92%	1.889%
18	13.054	2043	2045	2047	rVV	357689	439951	4.54%	1.238%
19	13.085	2047	2050	2052	rVV	391143	582775	6.01%	1.640%
20	13.127	2052	2057	2059	rVV2	961931	1793142	18.49%	5.046%
21	13.164	2059	2063	2064	rVV	3198452	3703673	38.18%	10.422%
22	13.188	2064	2067	2077	rVV2	5588968	9700063	100.00%	27.295%
23	13.274	2077	2081	2105	rVB	2858394	3751155	38.67%	10.555%
24	13.481	2109	2115	2125	rBV	507409	751671	7.75%	2.115%
25	13.682	2146	2148	2154	rVB2	70190	120236	1.24%	0.338%
26	13.810	2165	2169	2173	rBV	313483	411690	4.24%	1.158%
27	13.890	2179	2182	2190	rVB3	72950	123901	1.28%	0.349%
28	13.969	2191	2195	2207	rVB3	73601	168139	1.73%	0.473%

Sum of corrected areas: 35538032

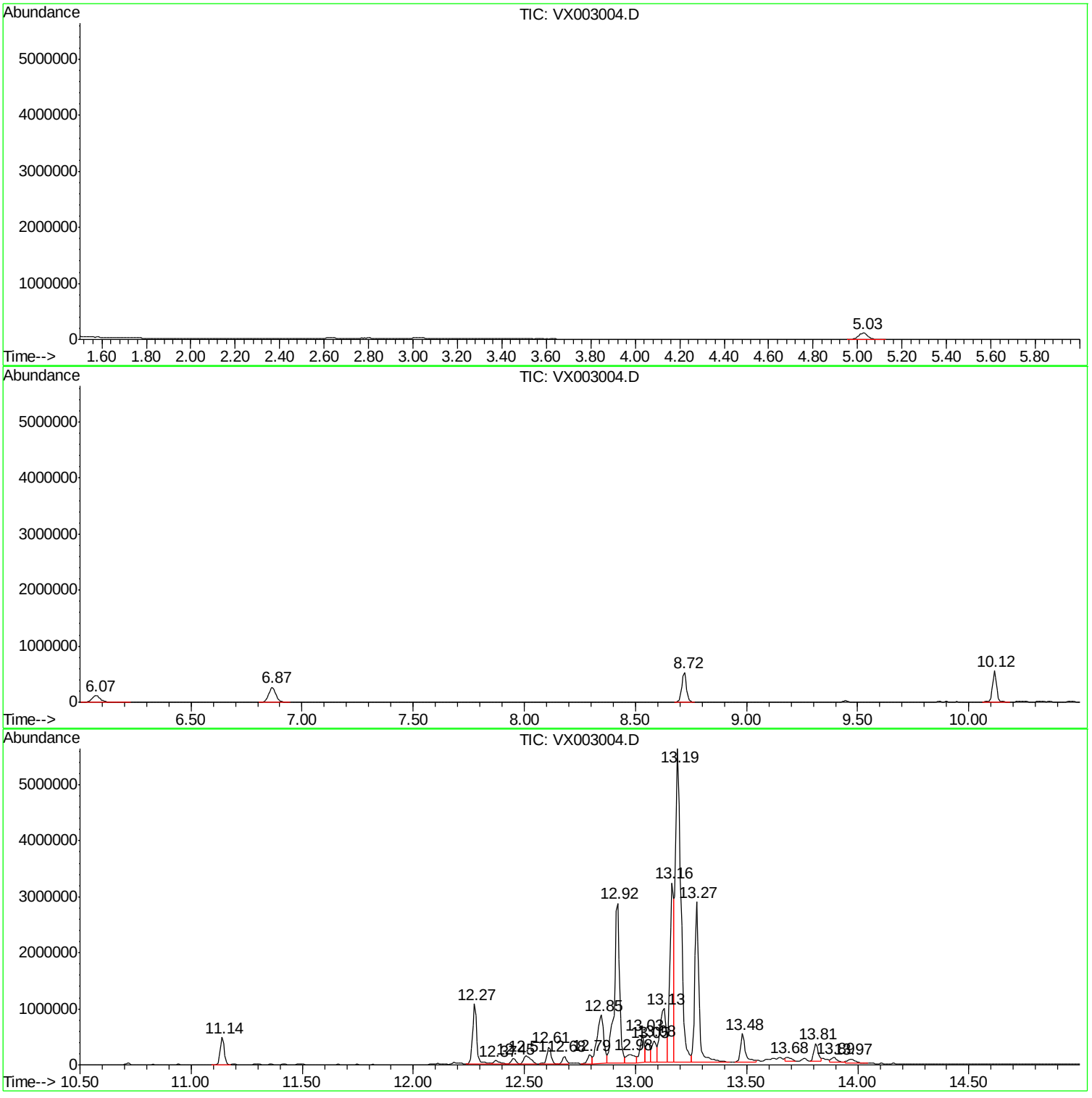
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

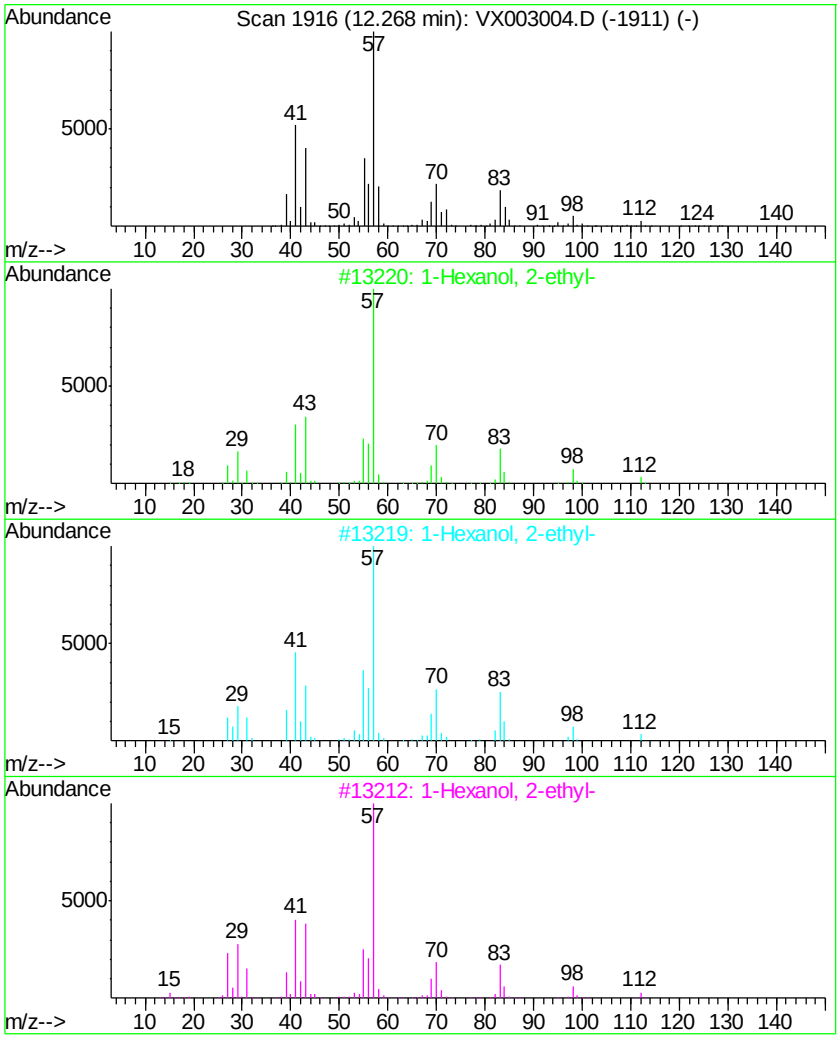
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

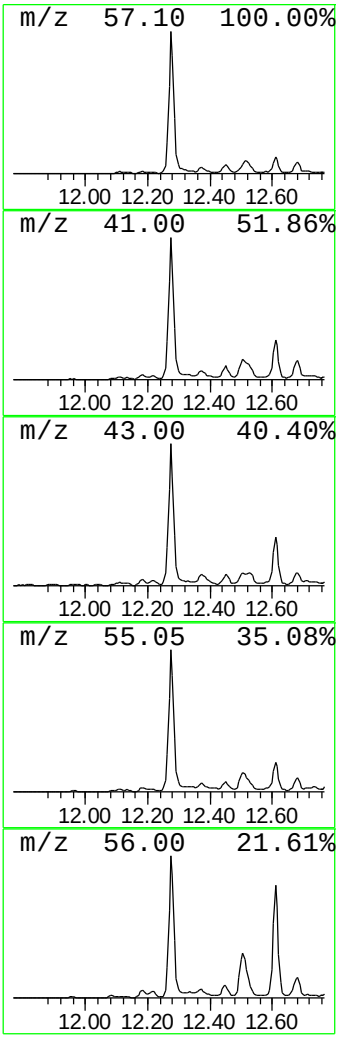
****

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	57.51 ug/l	1438570	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4	Oxirane, [[(2-ethylhexyl)oxy]met...	186	C11H22O2	002461-15-6	56
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

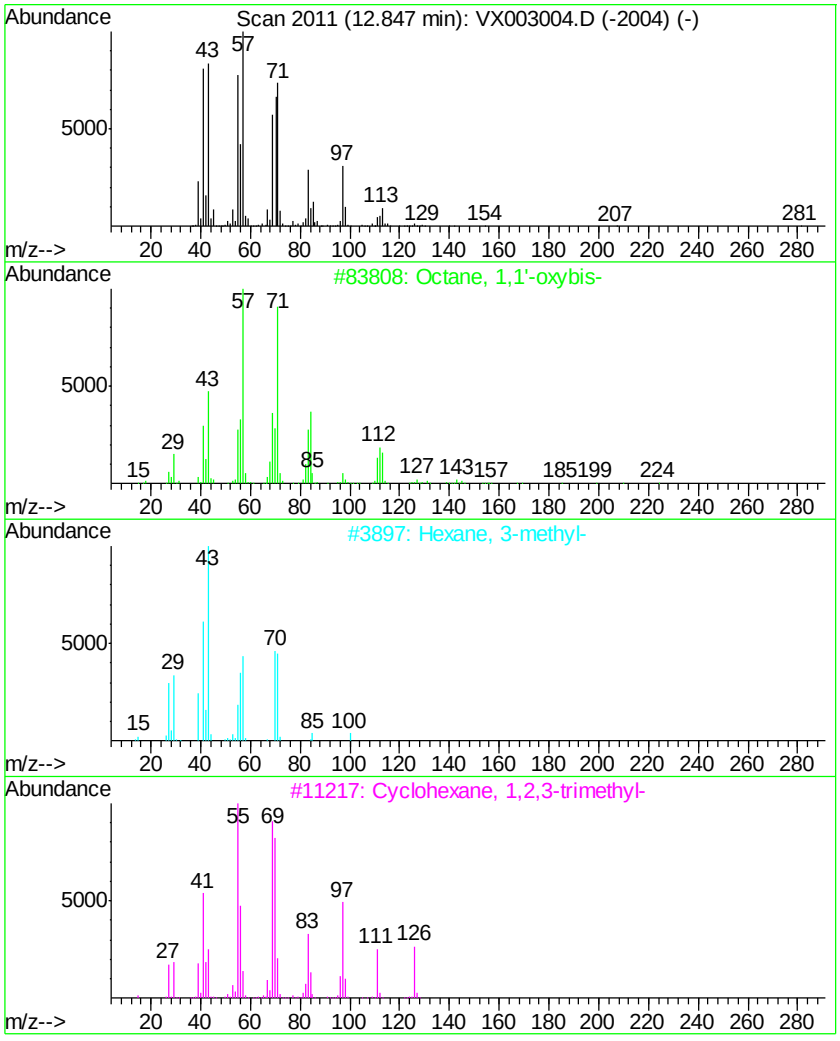
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

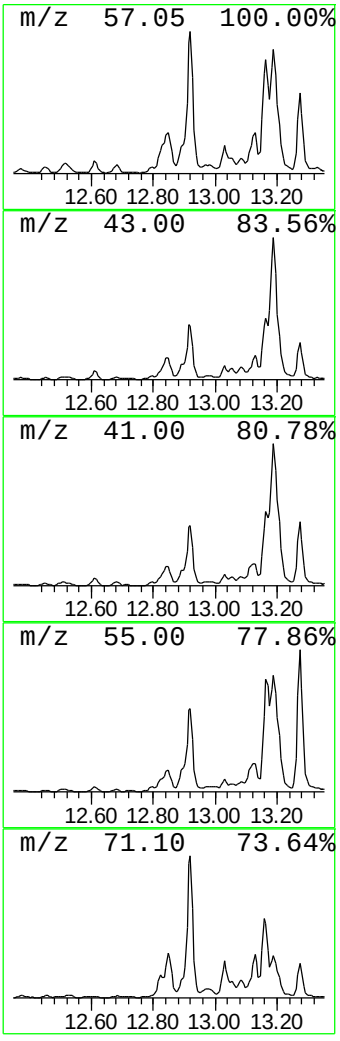
****

Peak Number 2 Octane, 1,1'-oxybis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	73.50 ug/l	1838590	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	53
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	50
3	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	46
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
5	Decane, 4-methyl-	156	C11H24	002847-72-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

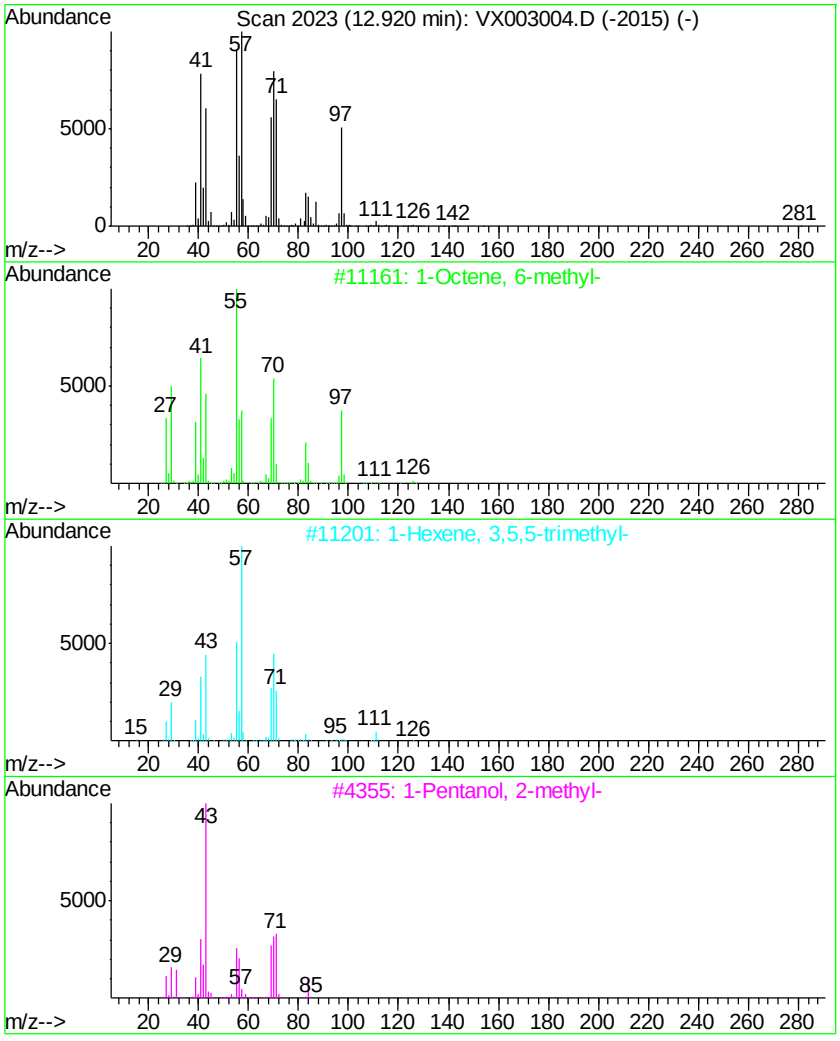
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

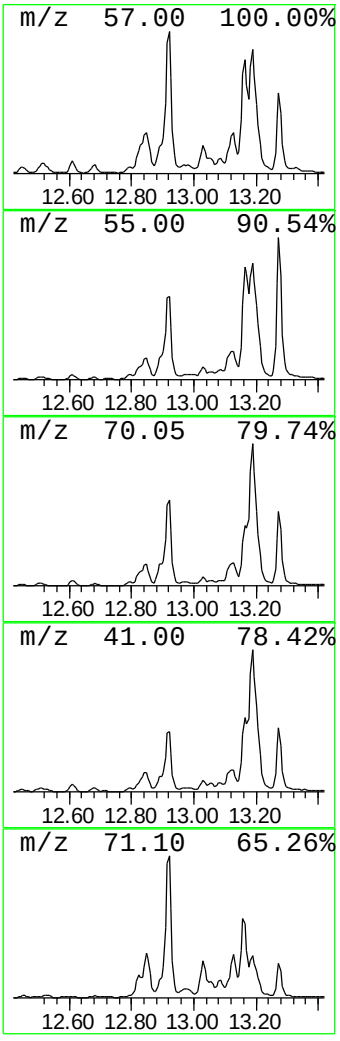
****

Peak Number 3 1-Octene, 6-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	193.65 ug/l	4844050	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene, 6-methyl-	126	C9H18	013151-10-5	62
2	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	50
3	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	50
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
5	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

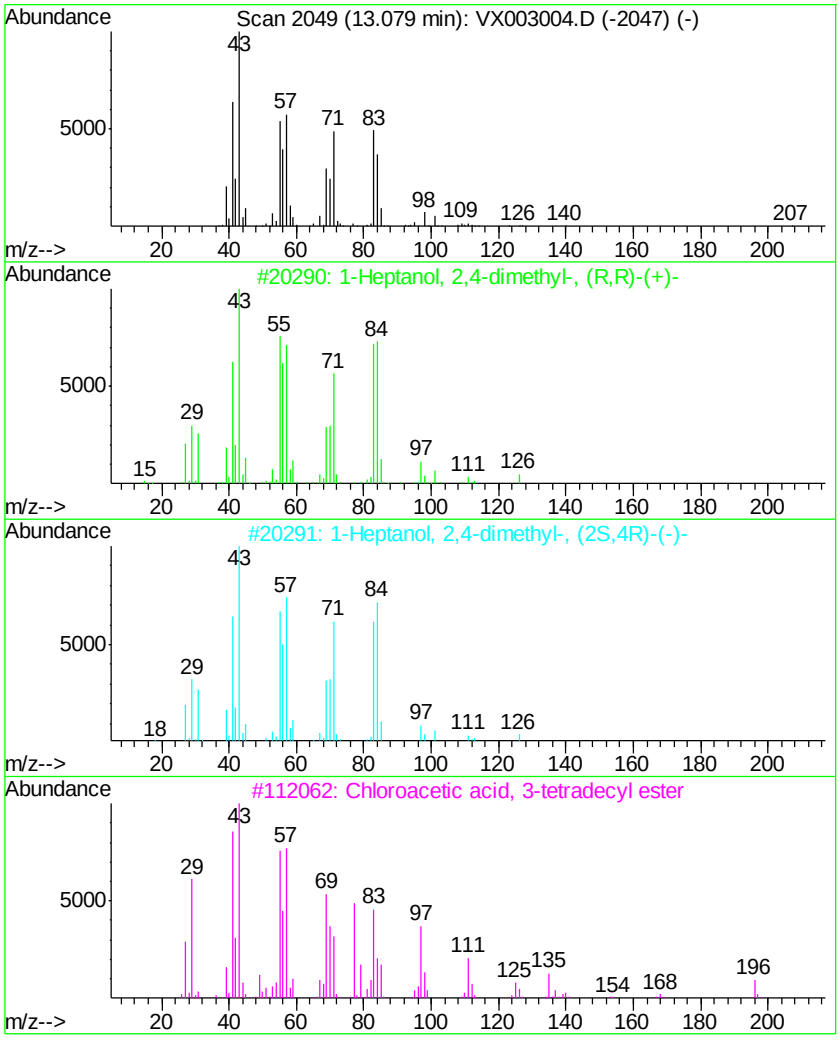
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

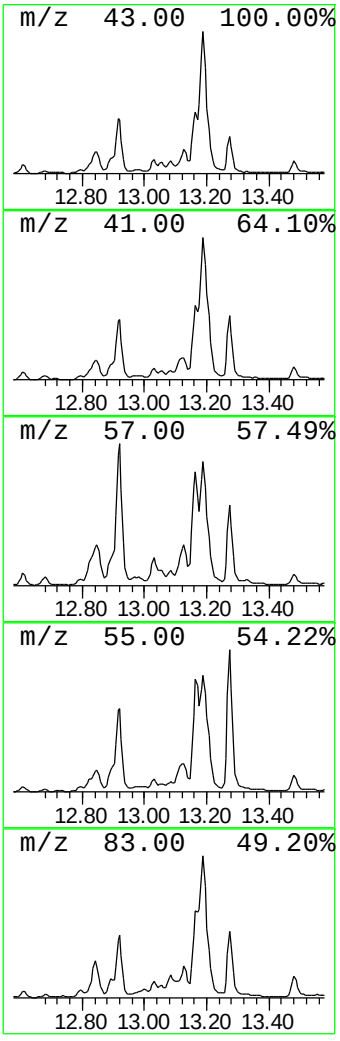
****

Peak Number 5 1-Heptanol, 2,4-dimethyl-, ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	23.30 ug/l	582775	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol, 2,4-dimethyl-, (R,R)...	144	C9H20O	018450-73-2	72
2	1-Heptanol, 2,4-dimethyl-, (2S,4...	144	C9H20O	018450-74-3	72
3	Chloroacetic acid, 3-tetradecyl ...	290	C16H31ClO2	1000280-08-5	50
4	1-Fluorooctane	132	C8H17F	000463-11-6	47
5	1H-Pyrazole, 4,5-dihydro-3-methyl-	84	C4H8N2	001911-30-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

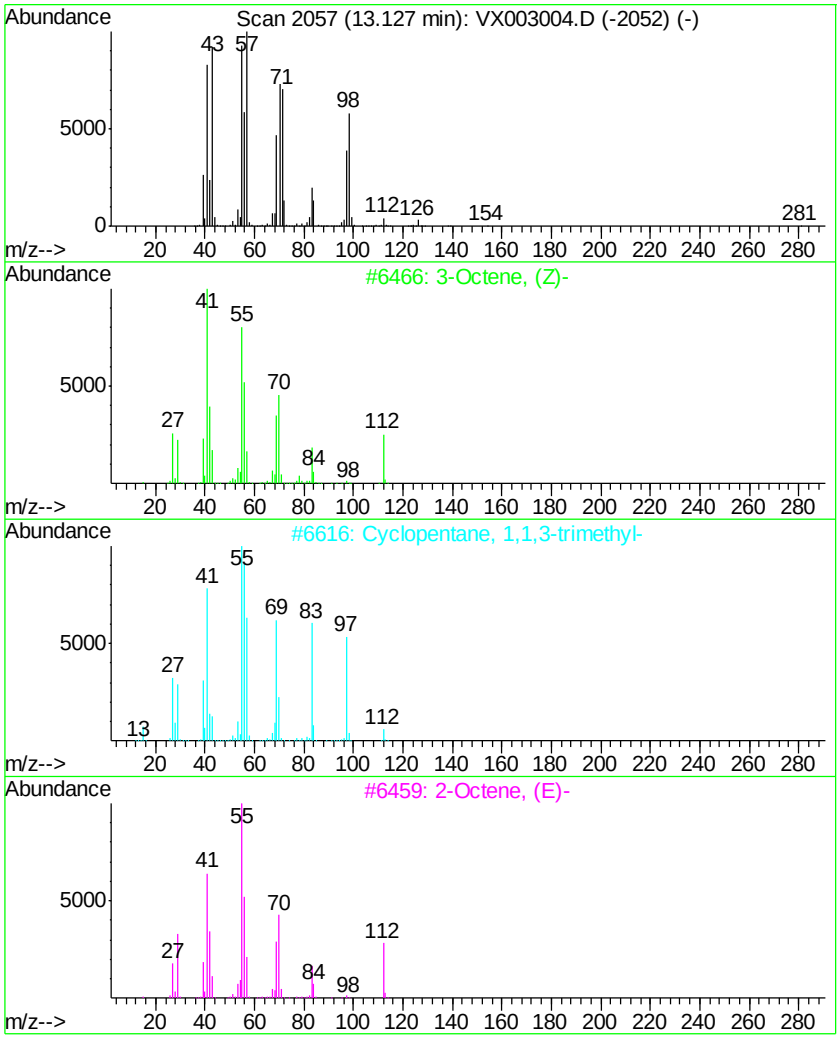
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

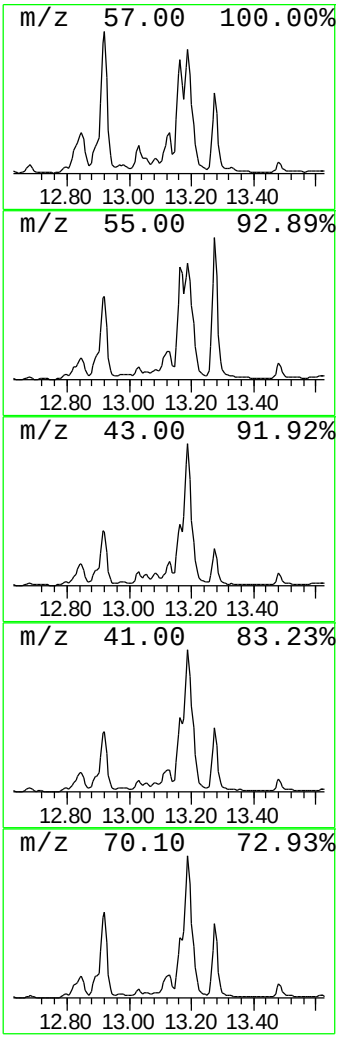
****

Peak Number 6 unknown13.13 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	71.69 ug/l	1793140	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, (Z)-	112	C8H16	014850-22-7	43
2	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
3	2-Octene, (E)-	112	C8H16	013389-42-9	38
4	3-Octene, (E)-	112	C8H16	014919-01-8	38
5	Cyclooctane, methyl-	126	C9H18	001502-38-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

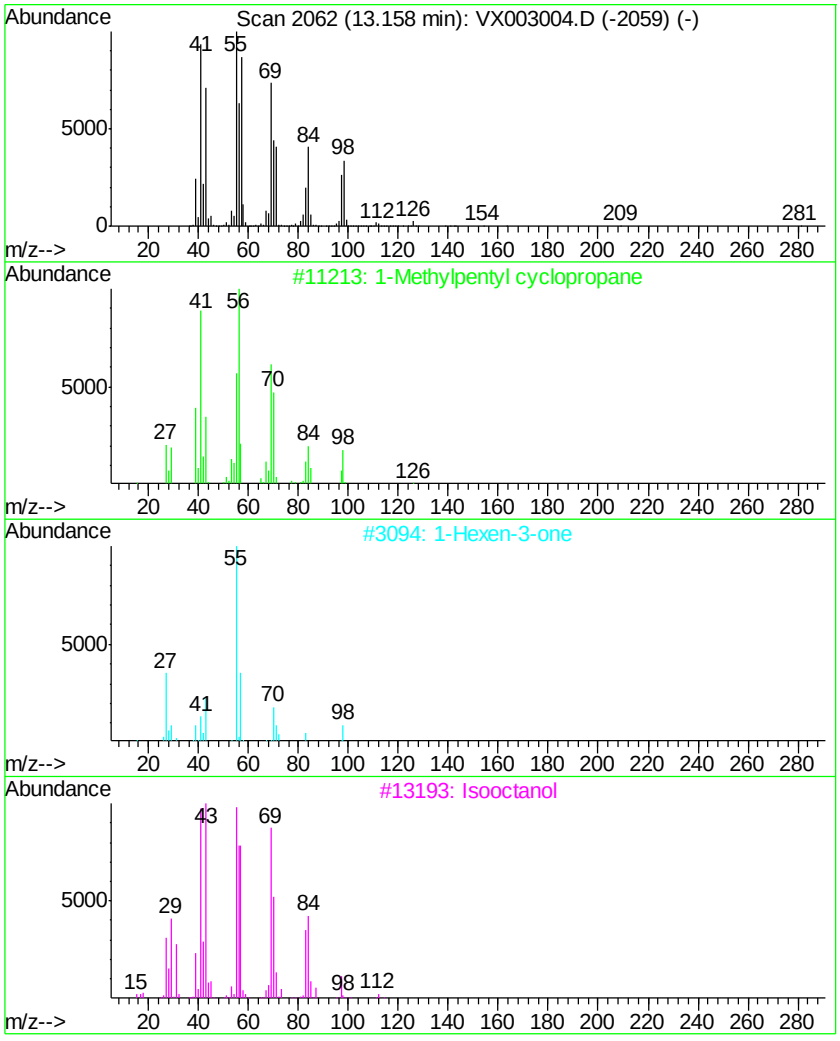
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

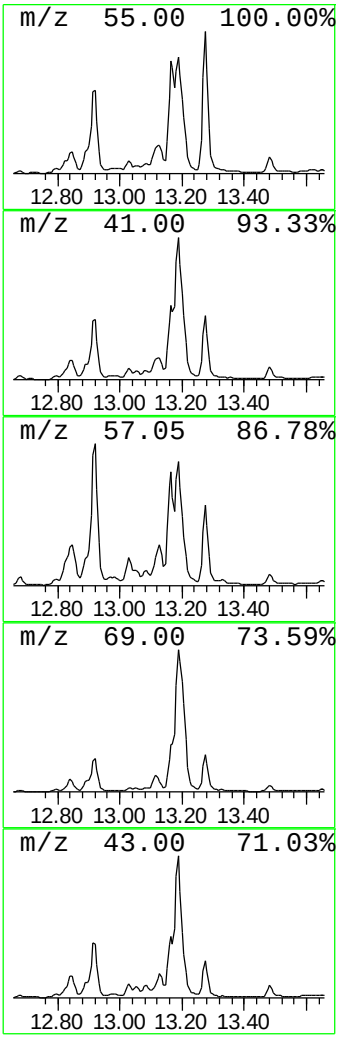
****

Peak Number 7 unknown13.16 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	148.07 ug/l	3703670	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylpentyl cyclopropane	126	C9H18	006976-28-9	47
2	1-Hexen-3-one	98	C6H10O	001629-60-3	46
3	Isooctanol	130	C8H18O	026952-21-6	43
4	Isooctanol	130	C8H18O	026952-21-6	43
5	n-Heptyl hexanoate	214	C13H26O2	006976-72-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

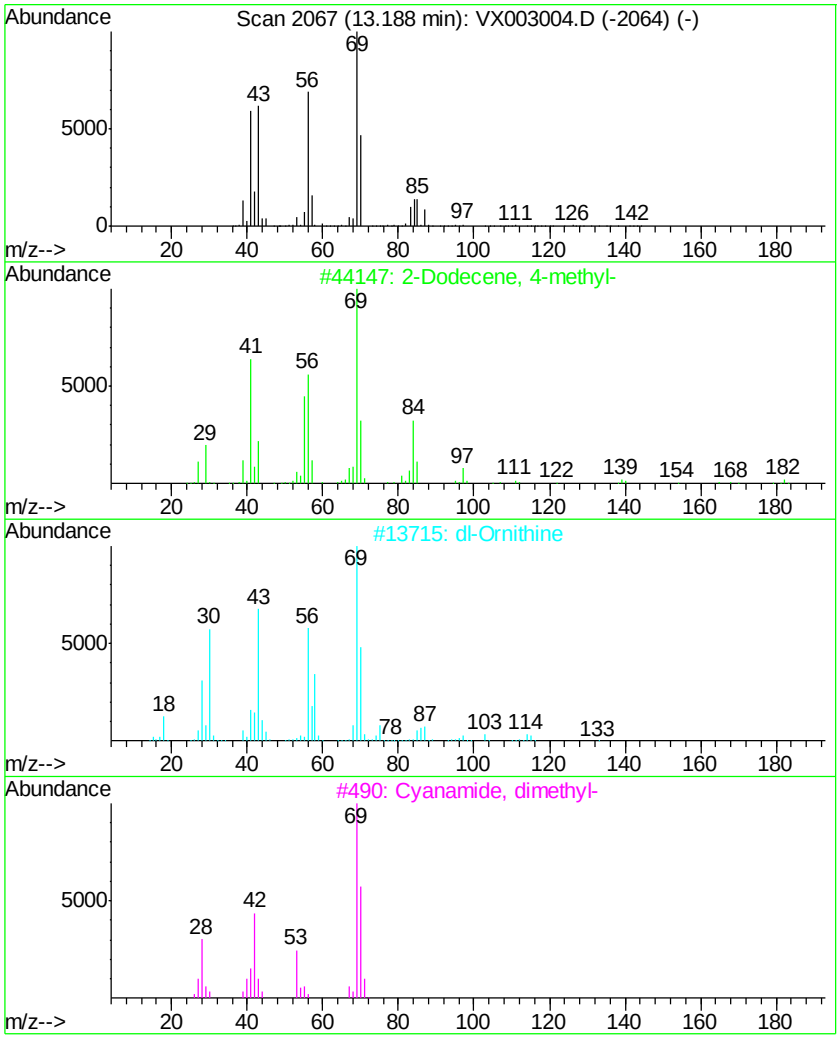
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

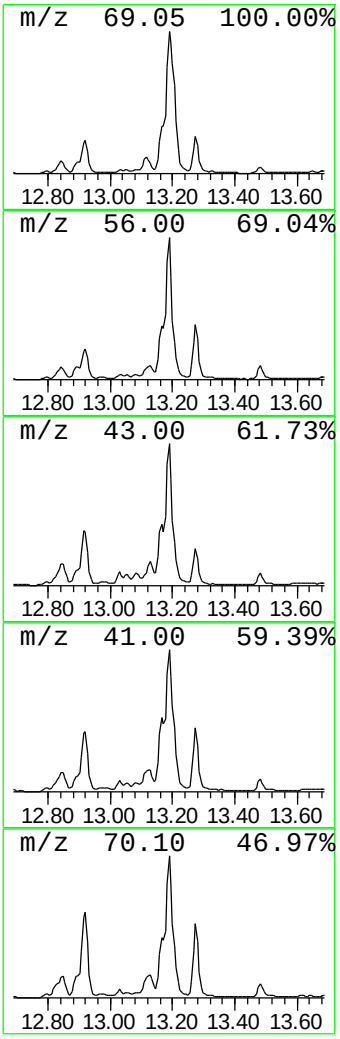
****

Peak Number 8 2-Dodecene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	387.79 ug/l	9700060	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	72
2	dl-Ornithine	132	C5H12N2O2	000616-07-9	56
3	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	47
4	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	45
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

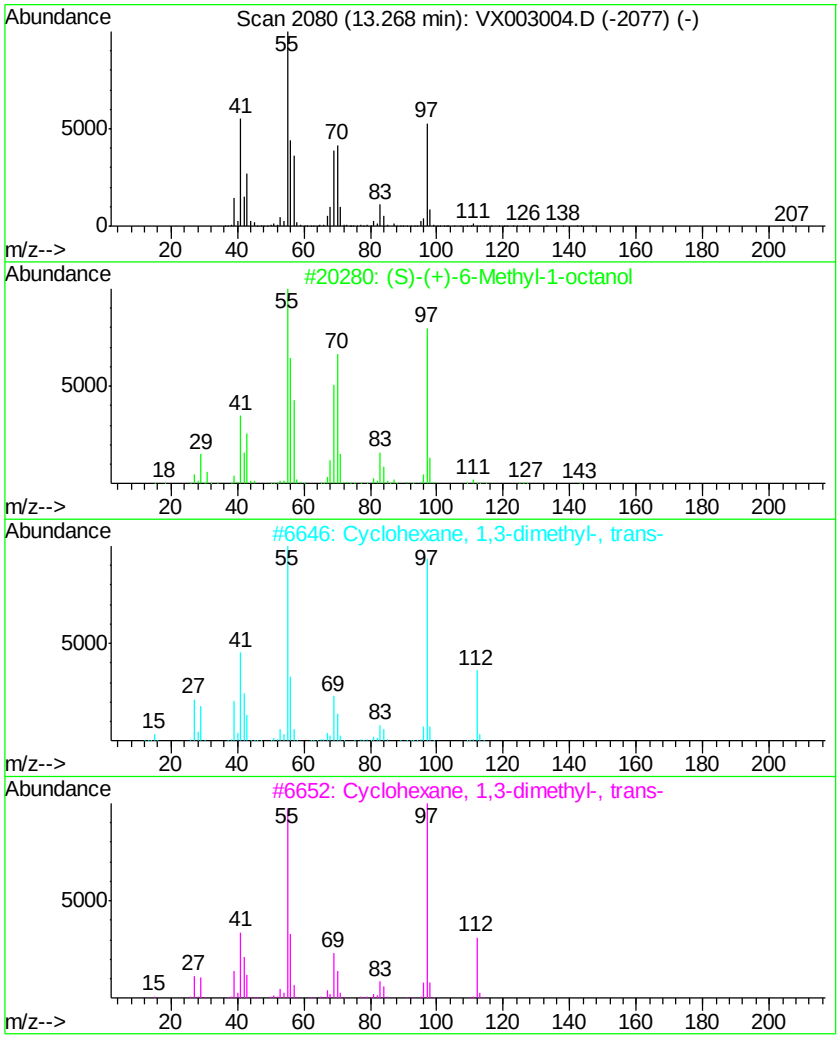
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

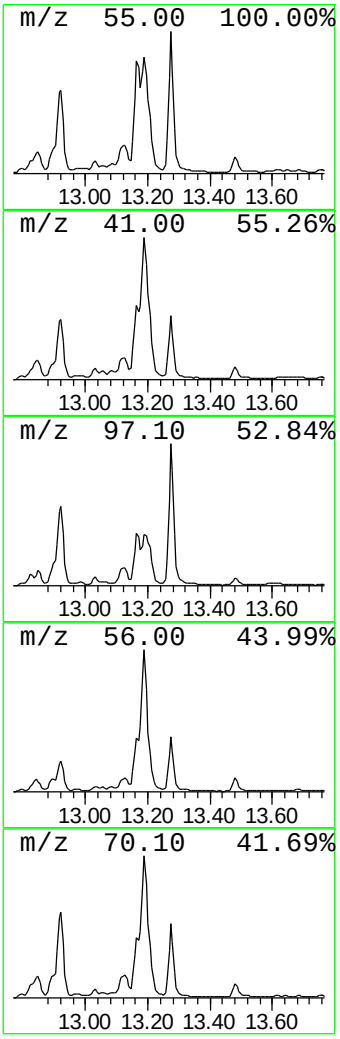
****

Peak Number 9 (S)-(+)-6-Methyl-1-octanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	149.96 ug/l	3751160	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-(+)-6-Methyl-1-octanol	144	C9H20O	110453-78-6	91
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	50
5	Cyclopropane, 1-methyl-2-(3-meth...	140	C10H20	062238-07-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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

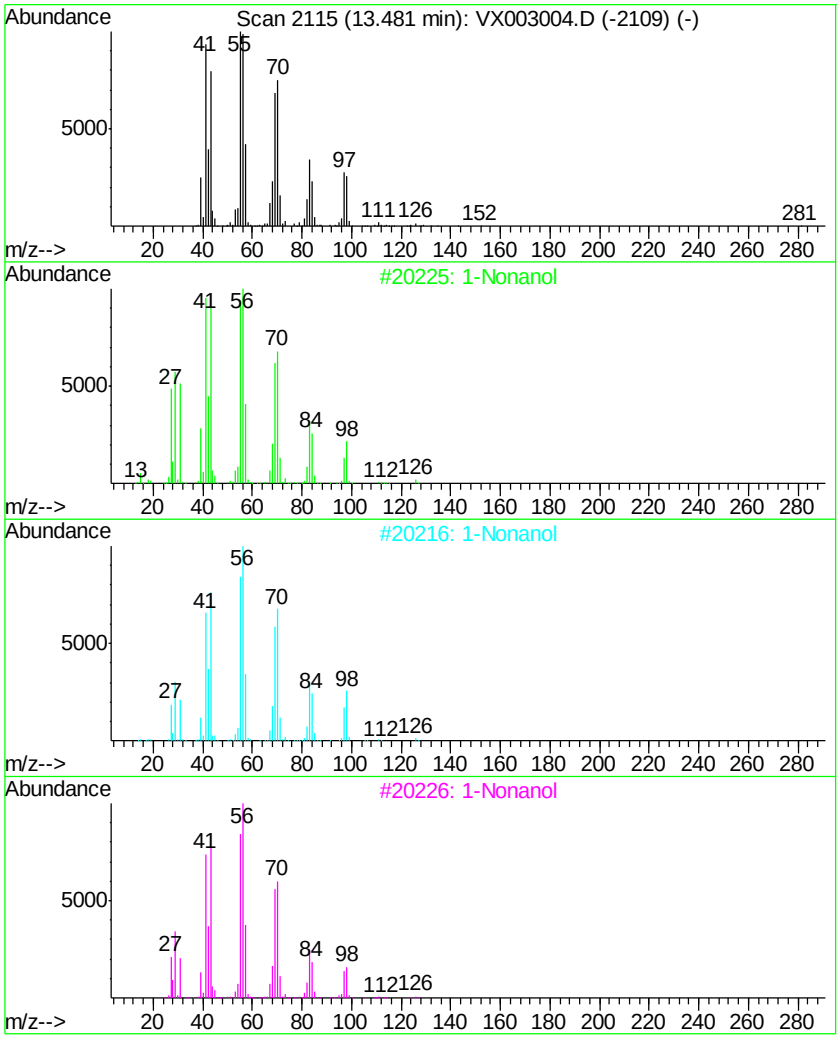
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

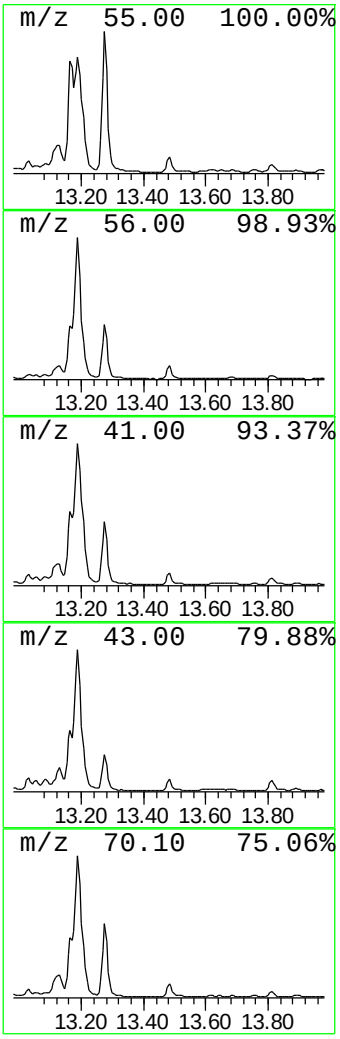
****

Peak Number 10 1-Nonanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	30.05 ug/l	751671	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonanol	144	C9H20O	000143-08-8	91
2	1-Nonanol	144	C9H20O	000143-08-8	90
3	1-Nonanol	144	C9H20O	000143-08-8	86
4	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	72
5	Cyclopropane, 1-heptyl-2-methyl-	154	C11H22	074663-91-5	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062818\
Data File : VX003004.D
Acq On : 28 Jun 2018 23:38
Operator : JC/MD
Sample : J3737-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BEL-01

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
1-Hexanol, 2-ethyl-	12.27	57.5	ug/l	1438570	3	10.12	750417	30.0
Octane, 1,1'-oxybis-	12.85	73.5	ug/l	1838590	3	10.12	750417	30.0
1-Octene, 6-methyl-	12.92	193.7	ug/l	4844050	3	10.12	750417	30.0
1-Heptanol, 2,4-d...	13.08	23.3	ug/l	582775	3	10.12	750417	30.0
unknown13.13	13.13	71.7	ug/l	1793140	3	10.12	750417	30.0
unknown13.16	13.16	148.1	ug/l	3703670	3	10.12	750417	30.0
2-Dodecene, 4-met...	13.19	387.8	ug/l	9700060	3	10.12	750417	30.0
(S)-(+)-6-Methyl-...	13.27	150.0	ug/l	3751160	3	10.12	750417	30.0
1-Nonanol	13.48	30.1	ug/l	751671	3	10.12	750417	30.0