LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

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\624X021319W.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	1.617	66	76	79	rBV2	26113	55778	5.37%	0.932%
2	1.794	100	105	112	rVB	83403	119067	11.46%	1.990%
3	2.007	136	140	146	rBV2	12449	21551	2.07%	0.360%
4	2.275	178	184	188	rBV	18938	32168	3.10%	0.538%
5	2.397	197	204	208	rBV10	8115	17127	1.65%	0.286%
6	2.446	208	212	220	rVB	36127	60817	5.85%	1.017%
7	2.611	236	239	246	rBV2	7174	11123	1.07%	0.186%
8	2.842	269	277	281	rBV3	25546	57700	5.55%	0.964%
9	2.891	281	285	288	rVV3	31686	62855	6.05%	1.051%
10	2.934	288	292	302	rVB	59603	124060	11.94%	2.074%
11	3.171	323	331	340	rBV2	53544	122677	11.80%	2.051%
12	3.818	430	437	444	rBV2	7503	20742	2.00%	0.347%
13	3.927	447	455	464	rVB10	7764	23366	2.25%	0.391%
14	4.202	492	500	505	rVB9	8224	22641	2.18%	0.378%
15	4.397	523	532	542	rVB	32959	98182	9.45%	1.641%
16	4.708	573	583	592	rBV2	7621	21998	2.12%	0.368%
17	5.019	622	634	650	rBV2	146701	438399	42.18%	7.328%
18	5.580	714	726	737	rBV3	53040	167074	16.08%	2.793%
19	5.720	743	749	757	rVB9	8821	23619	2.27%	0.395%
20	5.933	771	784	789	rBV9	9323	29598	2.85%	0.495%
21	6.067	797	806	813	rBV	148021	377552	36.33%	6.311%
22	6.140	813	818	830	rVB2	53698	139971	13.47%	2.340%
23	6.360	848	854	861	rVB9	9539	28347	2.73%	0.474%
24	6.457	861	870	880	rVB9	11232	37207	3.58%	0.622%
25	6.860	927	936	945	rBV	332224	772267	74.31%	12.909%
26	7.463	1024	1035	1043	rBV5	29727	77264	7.43%	1.292%
27	8.213	1154	1158	1162	rVB2	9764	16826	1.62%	0.281%
28	8.573	1209	1217	1224	rVB2	8395	19409	1.87%	0.324%
29	8.646	1224	1229	1234	rBV5	5975	12562	1.21%	0.210%
30	8.713	1234	1240	1249	rVV	662654	1039260	100.00%	17.372%
31	8.780	1249	1251	1256	rVB2	16395	23281	2.24%	0.389%
32	10.109	1463	1469	1476	rBV	635300	875176	84.21%	14.629%
33	10.359	1503	1510	1517	rVB	21631	36021	3.47%	0.602%
34	10.701	1562	1566	1571	rVB4	7918	11197	1.08%	0.187%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

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\624X021319W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	11.133	1632	1637	1645	rBV	500164	667454	64.22%	11.157%
36	11.359	1671	1674	1680	rBV2	9886	14476	1.39%	0.242%
37	11.457	1688	1690	1695	rVV6	8130	11572	1.11%	0.193%
38	11.664	1720	1724	1730	rBV	15404	24090	2.32%	0.403%
39	11.804	1744	1747	1754	rVB4	8972	16468	1.58%	0.275%
40	12.145	1799	1803	1808	rBV5	6334	10921	1.05%	0.183%
41	12.267	1819	1823	1825	rBV2	16036	20358	1.96%	0.340%
42	12.298	1825	1828	1834	rVV2	46786	60976	5.87%	1.019%
43	12.371	1836	1840	1848	rVB10	5821	12559	1.21%	0.210%
44	12.755	1900	1903	1910	rVB2	11515	19926	1.92%	0.333%
45	12.908	1923	1928	1932	rVB8	8533	13418	1.29%	0.224%
46	12.975	1932	1939	1942	rBV6	8723	14977	1.44%	0.250%
47	13.346	1996	2000	2006	rBV	19007	25979	2.50%	0.434%
48	13.834	2077	2080	2084	rVB2	8198	12088	1.16%	0.202%
49	13.913	2088	2093	2097	rVB8	7895	11796	1.14%	0.197%
50	13.987	2097	2105	2109	rBV6	9944	20111	1.94%	0.336%
51	14.273	2148	2152	2161	rVB6	7250	16077	1.55%	0.269%
52	14.541	2190	2196	2199	rBV8	8006	12280	1.18%	0.205%

Sum of corrected areas: 5982408

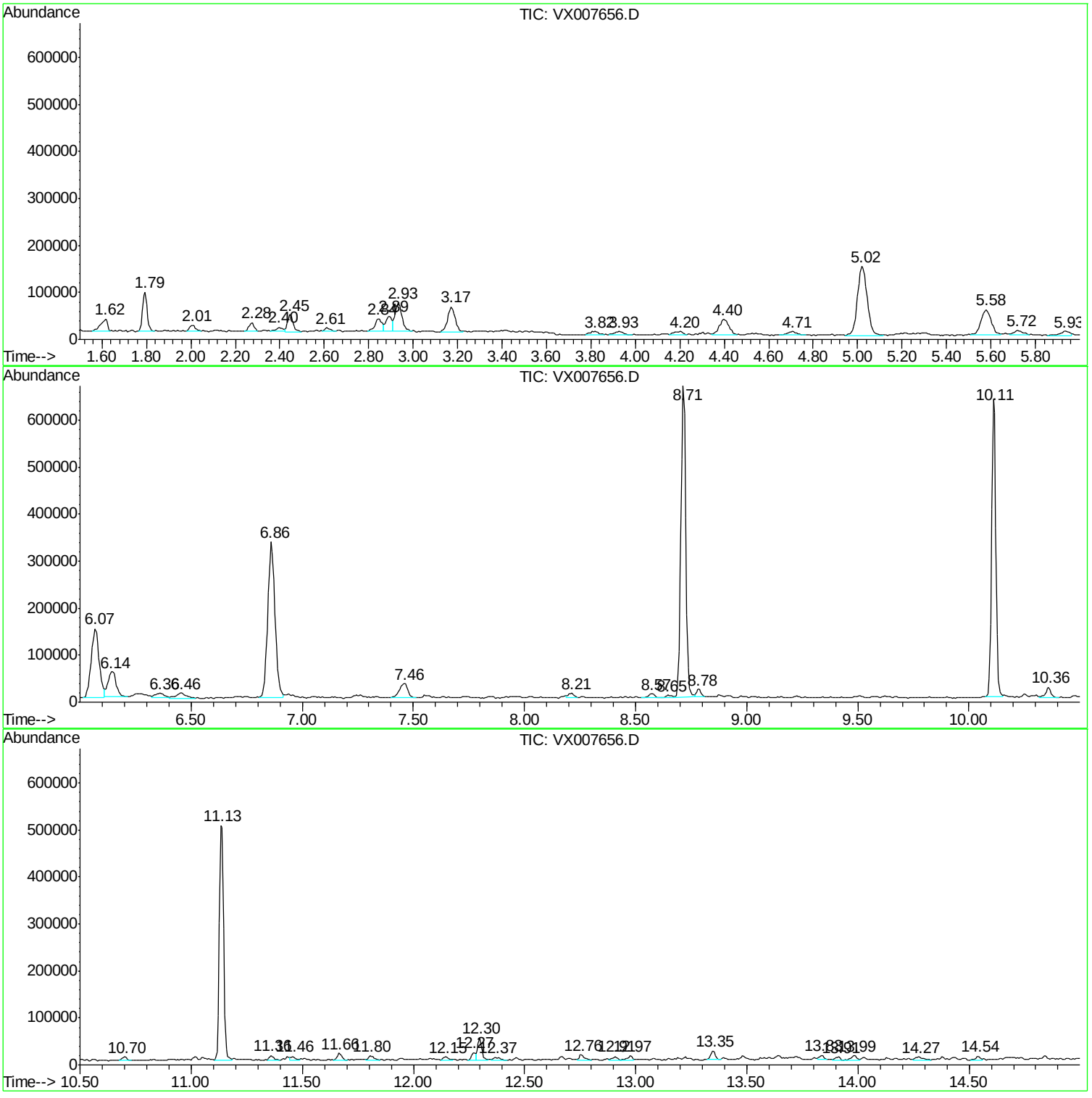
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.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\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

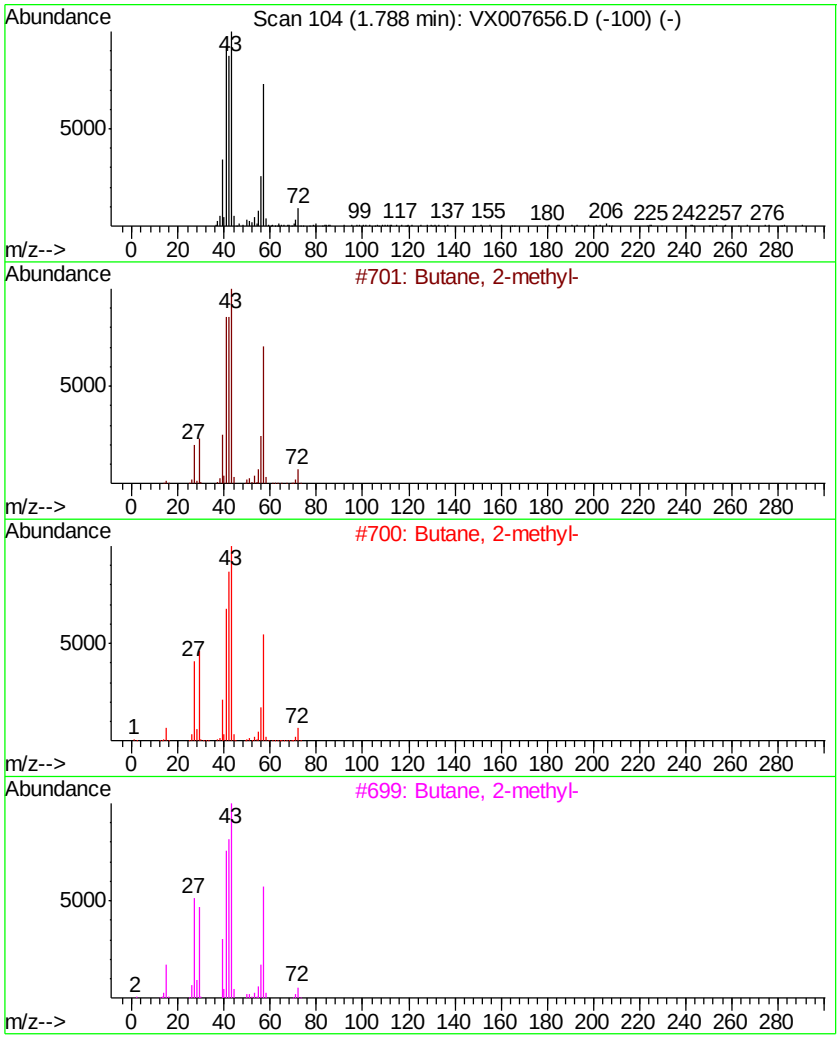
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

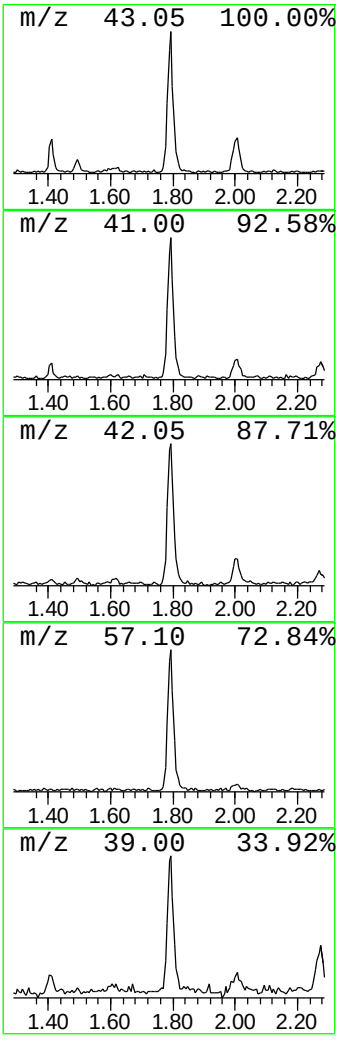
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	8.15 ug/l	119067	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	87
3	Butane, 2-methyl-	72	C5H12	000078-78-4	87
4	Pentane	72	C5H12	000109-66-0	50
5	Isobutylene epoxide	72	C4H8O	000558-30-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

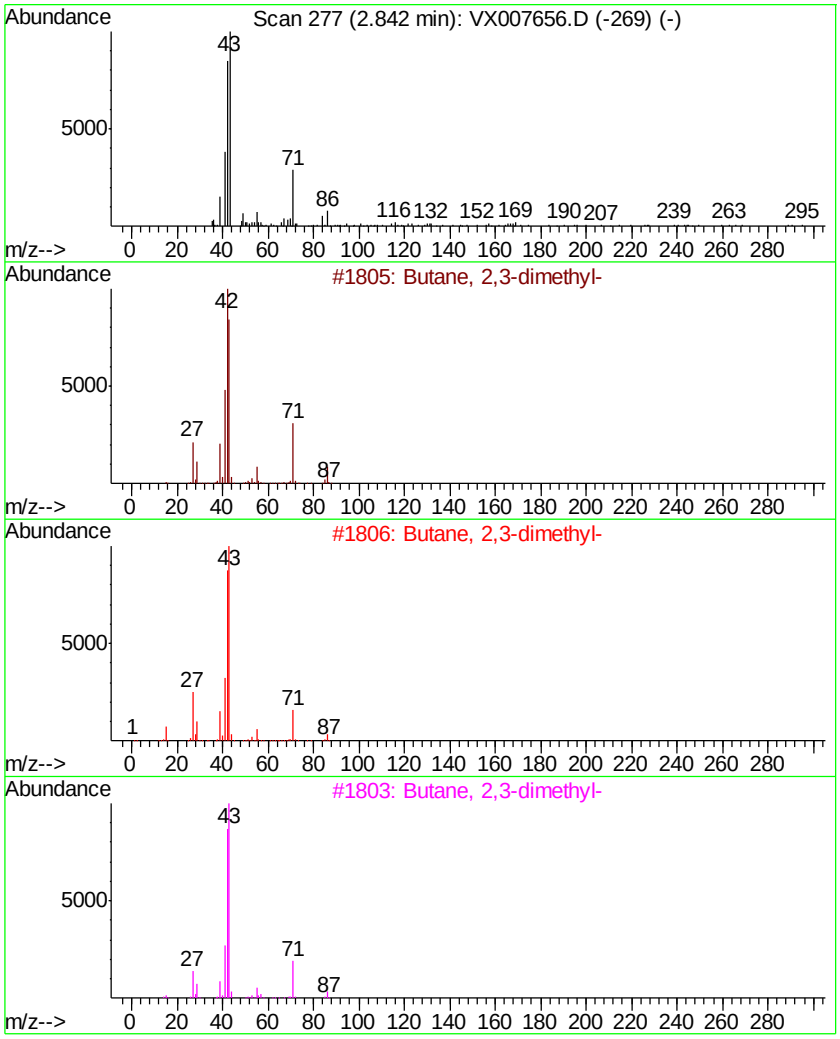
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

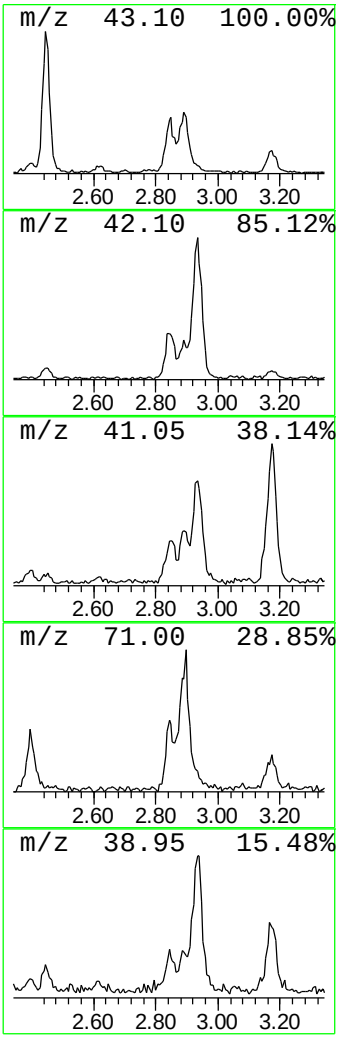
****

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	3.95 ug/l	57700	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
5	Acetic acid, chloro-, pentyl ester	164	C7H13ClO2	005411-55-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

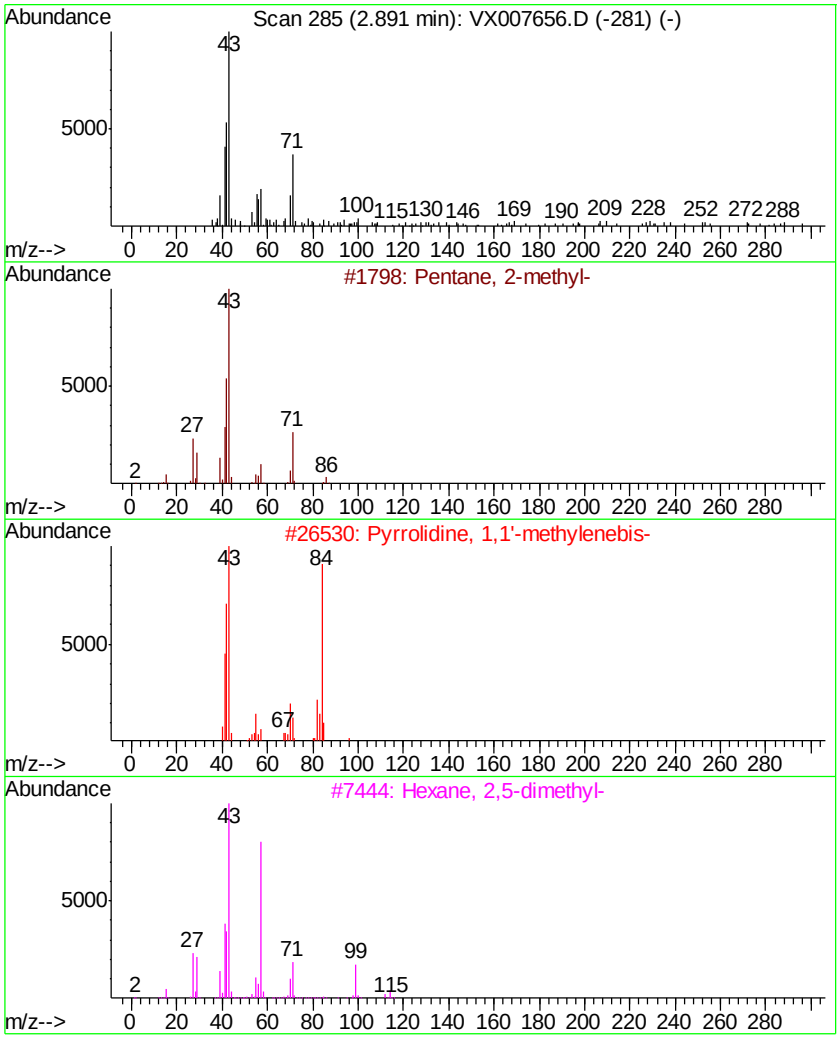
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

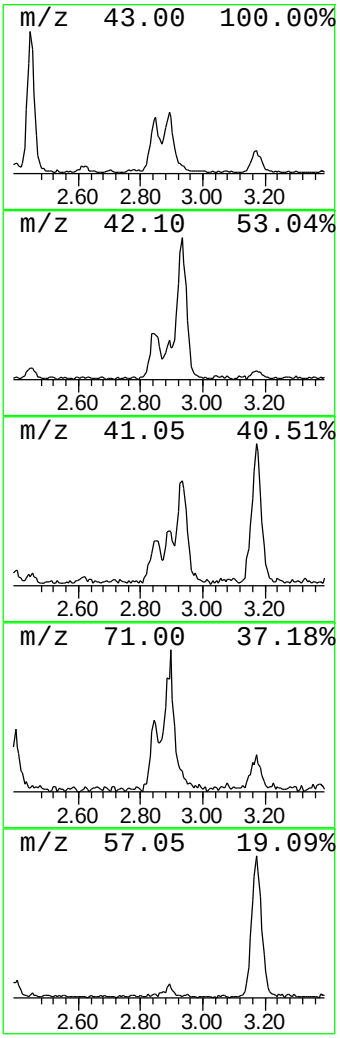
****

Peak Number 4 Pentane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	4.30 ug/l	62855	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
2	Pyrrolidine, 1,1'-methylenebis-	154	C9H18N2	007309-47-9	37
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	36
4	2H-Pyran-2-one, tetrahydro-	100	C5H8O2	000542-28-9	32
5	2-Oxetanone, 4-methylene-	84	C4H4O2	000674-82-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

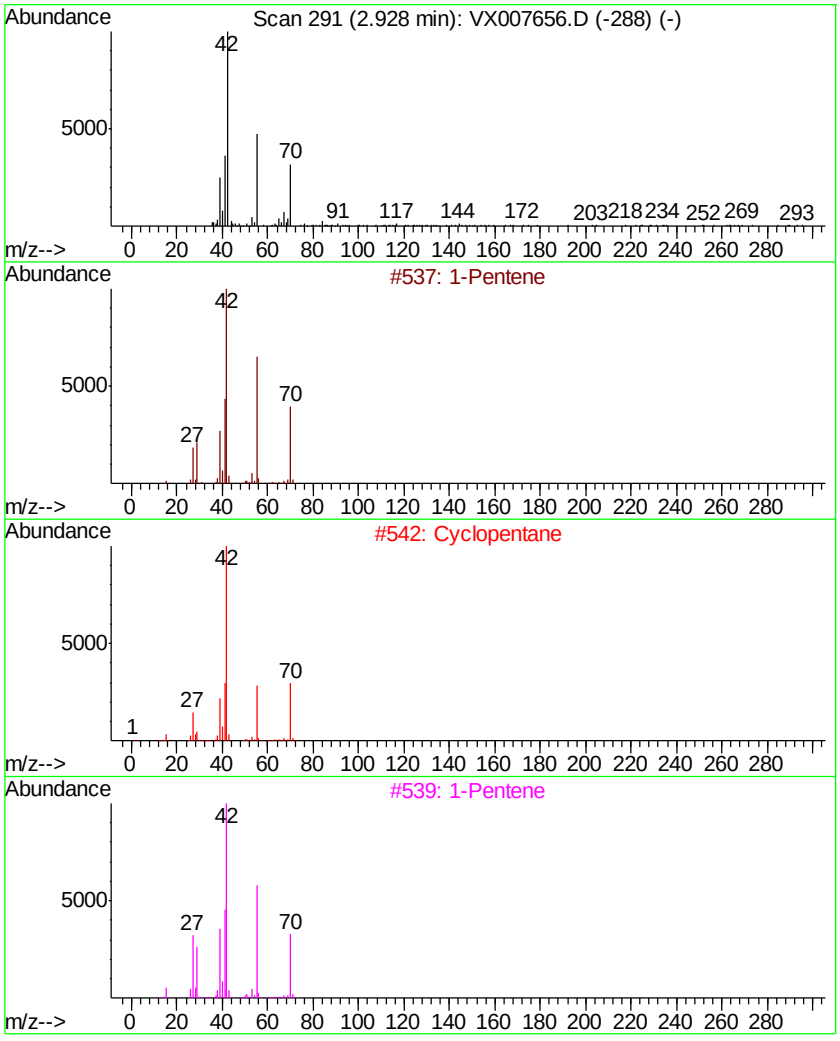
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

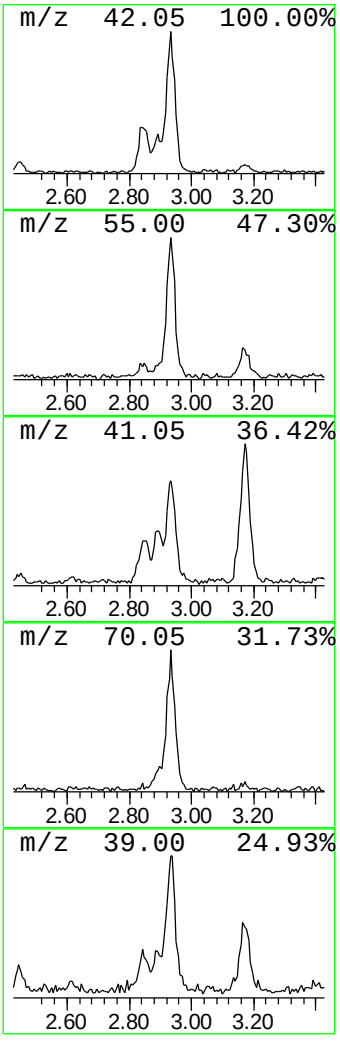
****

Peak Number 5 1-Pentene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	8.49 ug/l	124060	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclopentane	70	C5H10	000287-92-3	72
3	1-Pentene	70	C5H10	000109-67-1	59
4	Cyclopentane	70	C5H10	000287-92-3	56
5	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	25





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

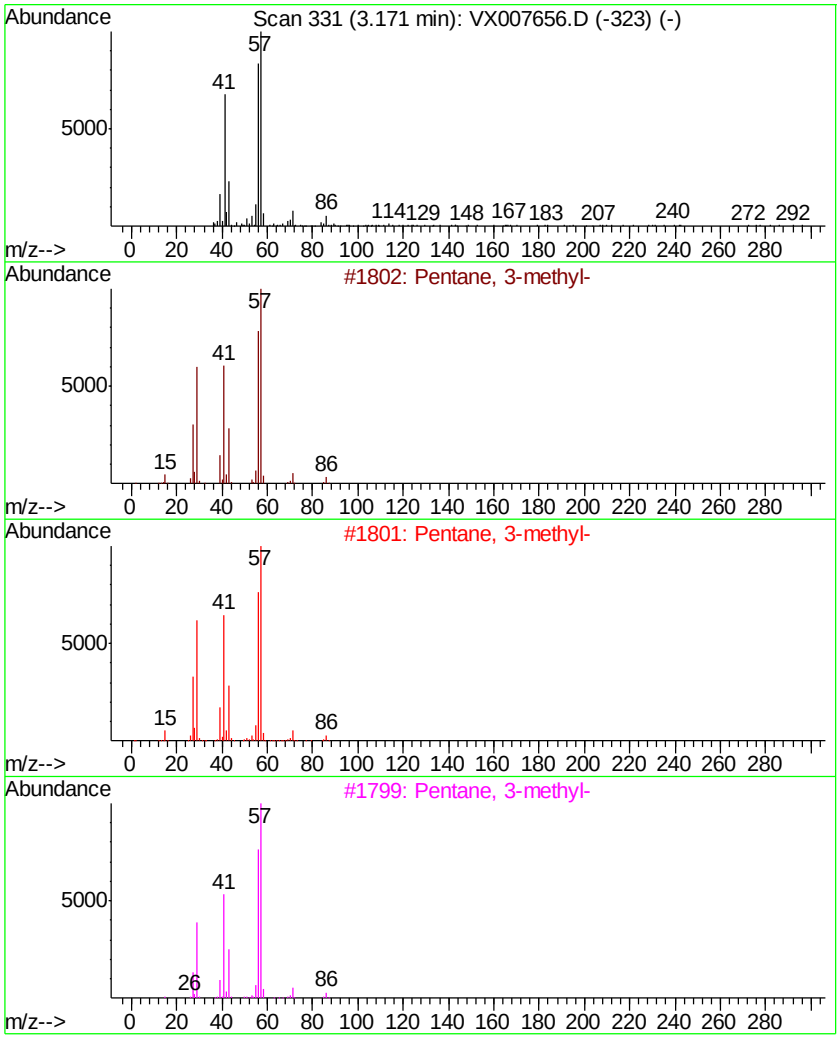
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

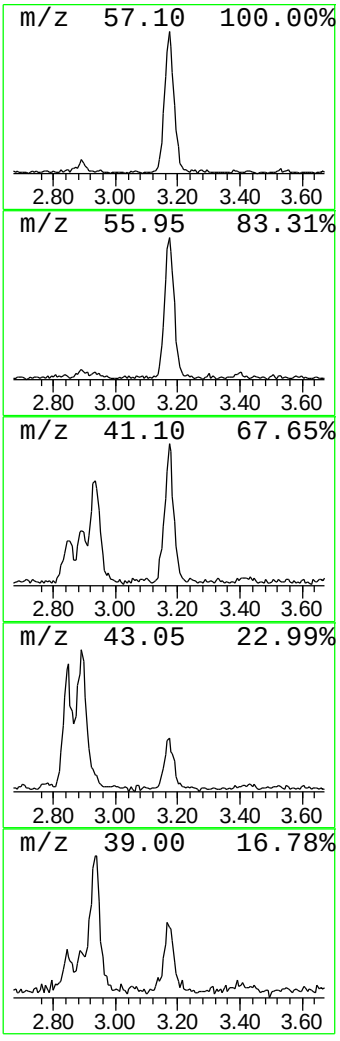
****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	8.39 ug/l	122677	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	72
5	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	64





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Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

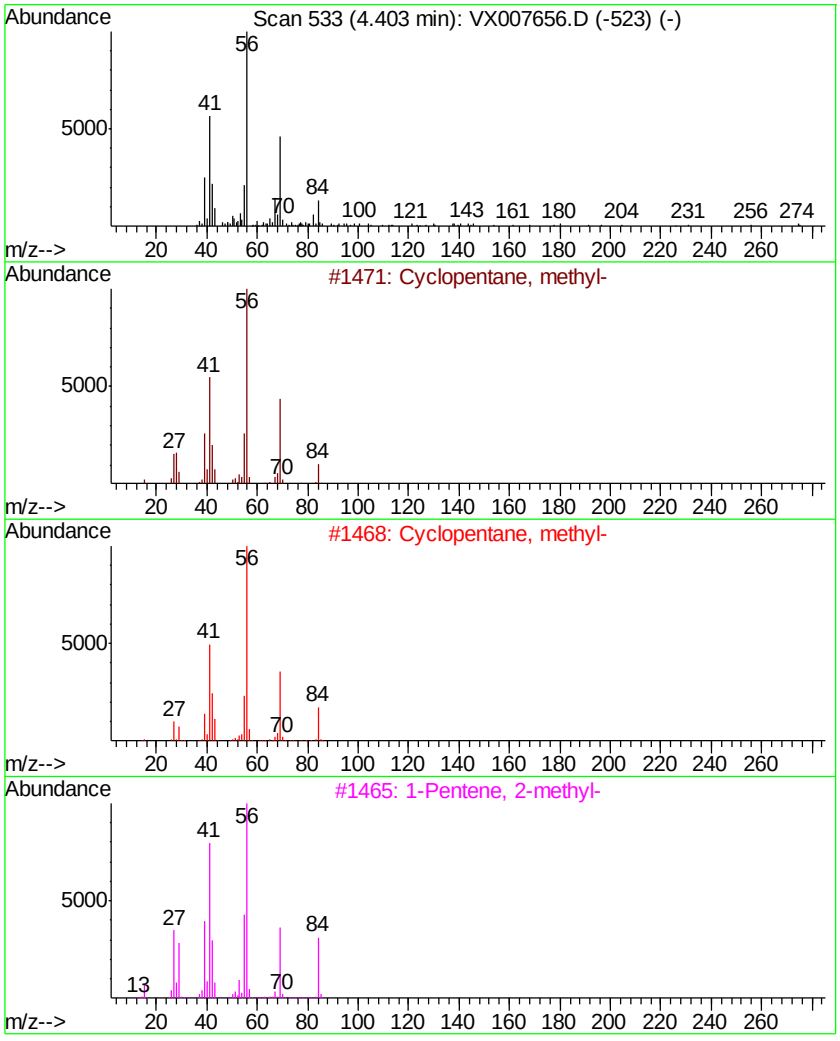
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

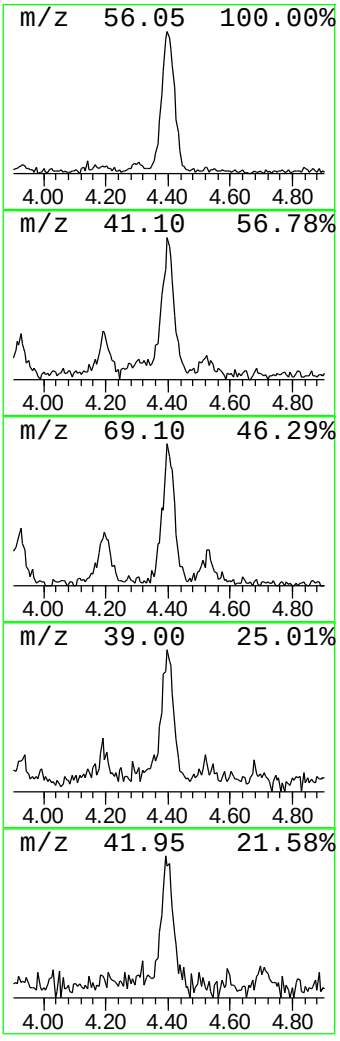
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	6.72 ug/l	98182	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-25

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.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
Butane, 2-methyl-	1.79	8.2	ug/l	119067	1	5.02	438399	30.0
Butane, 2,3-dimet...	2.84	4.0	ug/l	57700	1	5.02	438399	30.0
Pentane, 2-methyl-	2.89	4.3	ug/l	62855	1	5.02	438399	30.0
1-Pentene	2.93	8.5	ug/l	124060	1	5.02	438399	30.0
Pentane, 3-methyl-	3.17	8.4	ug/l	122677	1	5.02	438399	30.0
Cyclopentane, met...	4.40	6.7	ug/l	98182	1	5.02	438399	30.0