LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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	1.611	68	75	79	rVB4	25330	48121	4.49%	0.788%
2	1.794	100	105	111	rBV	86508	124808	11.65%	2.045%
3	2.001	135	139	145	rVB3	14896	25181	2.35%	0.413%
4	2.276	178	184	191	rVB	19544	34206	3.19%	0.560%
5	2.398	199	204	207	rVV7	6151	10826	1.01%	0.177%
6	2.446	207	212	221	rVB	37935	67204	6.27%	1.101%
7	2.617	235	240	245	rVB	12261	21200	1.98%	0.347%
8	2.849	271	278	281	rBV	26056	54974	5.13%	0.901%
9	2.891	281	285	288	rVV3	28852	60450	5.64%	0.990%
10	2.934	288	292	299	rVB	59417	115312	10.76%	1.889%
11	3.172	324	331	342	rVB2	56016	127002	11.86%	2.081%
12	3.818	430	437	443	rBV7	9023	20575	1.92%	0.337%
13	3.922	447	454	461	rBV9	6356	18265	1.71%	0.299%
14	4.202	493	500	506	rVB10	7181	18472	1.72%	0.303%
15	4.403	522	533	542	rVB2	33369	98476	9.19%	1.613%
16	4.696	572	581	589	rBV2	8213	24935	2.33%	0.409%
17	5.025	620	635	645	rBV	146094	438965	40.98%	7.192%
18	5.580	716	726	737	rBV3	54767	162026	15.13%	2.655%
19	5.726	743	750	758	rVB10	10019	25179	2.35%	0.413%
20	5.940	775	785	792	rBV10	9227	28758	2.68%	0.471%
21	6.068	795	806	813	rBV	146560	382136	35.67%	6.261%
22	6.147	813	819	830	rVB	59347	150283	14.03%	2.462%
23	6.452	864	869	877	rVB	10410	25797	2.41%	0.423%
24	6.860	927	936	947	rBV	342748	810027	75.62%	13.271%
25	6.940	947	949	960	rVB10	7959	15747	1.47%	0.258%
26	7.244	995	999	1007	rVB9	6377	16047	1.50%	0.263%
27	7.464	1024	1035	1041	rVV5	29859	77655	7.25%	1.272%
28	7.561	1045	1051	1058	rVB4	6118	13736	1.28%	0.225%
29	8.214	1148	1158	1163	rBV5	11301	26027	2.43%	0.426%
30	8.573	1210	1217	1222	rVB9	9356	17457	1.63%	0.286%
31	8.714	1234	1240	1248	rVV	701494	1071226	100.00%	17.551%
32	8.787	1248	1252	1258	rVB2	16587	28128	2.63%	0.461%
33	10.110	1460	1469	1480	rBV	659557	907685	84.73%	14.871%
34	10.360	1505	1510	1516	rVB	22692	33317	3.11%	0.546%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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	10.695	1562	1565	1571	rVB2	9261	13356	1.25%	0.219%
36	11.018	1614	1618	1621	rBV2	9022	13576	1.27%	0.222%
37	11.134	1632	1637	1646	rBV	529097	679709	63.45%	11.136%
38	11.359	1670	1674	1681	rBV	10416	15557	1.45%	0.255%
39	11.664	1719	1724	1728	rBV	16474	21291	1.99%	0.349%
40	11.805	1744	1747	1752	rVB3	11815	14675	1.37%	0.240%
41	12.268	1819	1823	1825	rBV	34174	42040	3.92%	0.689%
42	12.298	1825	1828	1835	rVV	49322	63270	5.91%	1.037%
43	12.371	1835	1840	1846	rVV10	7640	16732	1.56%	0.274%
44	12.664	1881	1888	1892	rBV4	8144	16028	1.50%	0.263%
45	12.756	1899	1903	1910	rBV2	11026	17004	1.59%	0.279%
46	12.908	1924	1928	1933	rVV7	12471	18013	1.68%	0.295%
47	12.975	1933	1939	1942	rVV6	8261	12982	1.21%	0.213%
48	13.347	1996	2000	2006	rVB3	20157	26953	2.52%	0.442%
49	13.640	2044	2048	2053	rBV7	10027	13850	1.29%	0.227%
50	13.835	2076	2080	2086	rVB2	11664	18313	1.71%	0.300%

Sum of corrected areas: 6103552

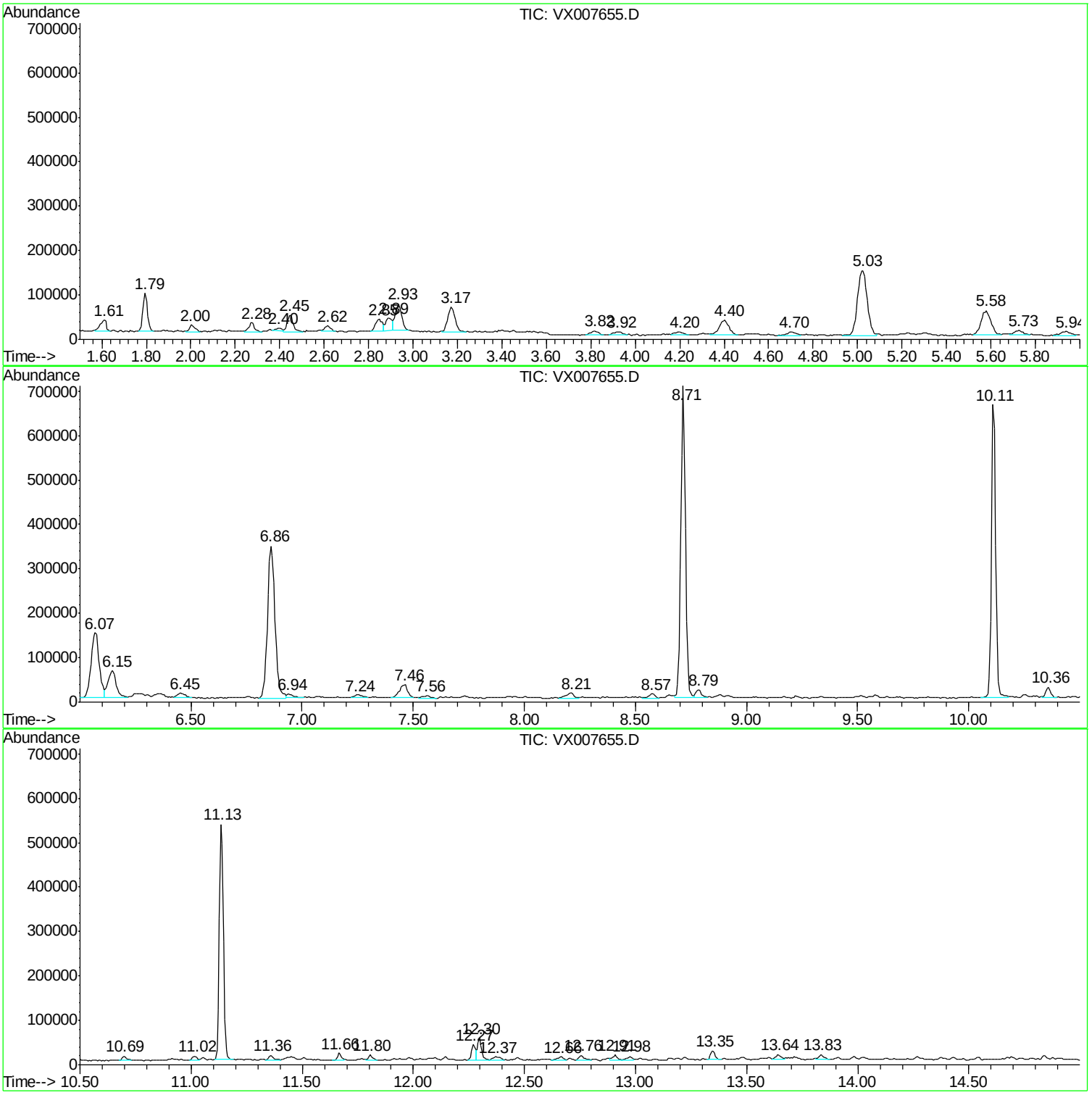
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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 : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

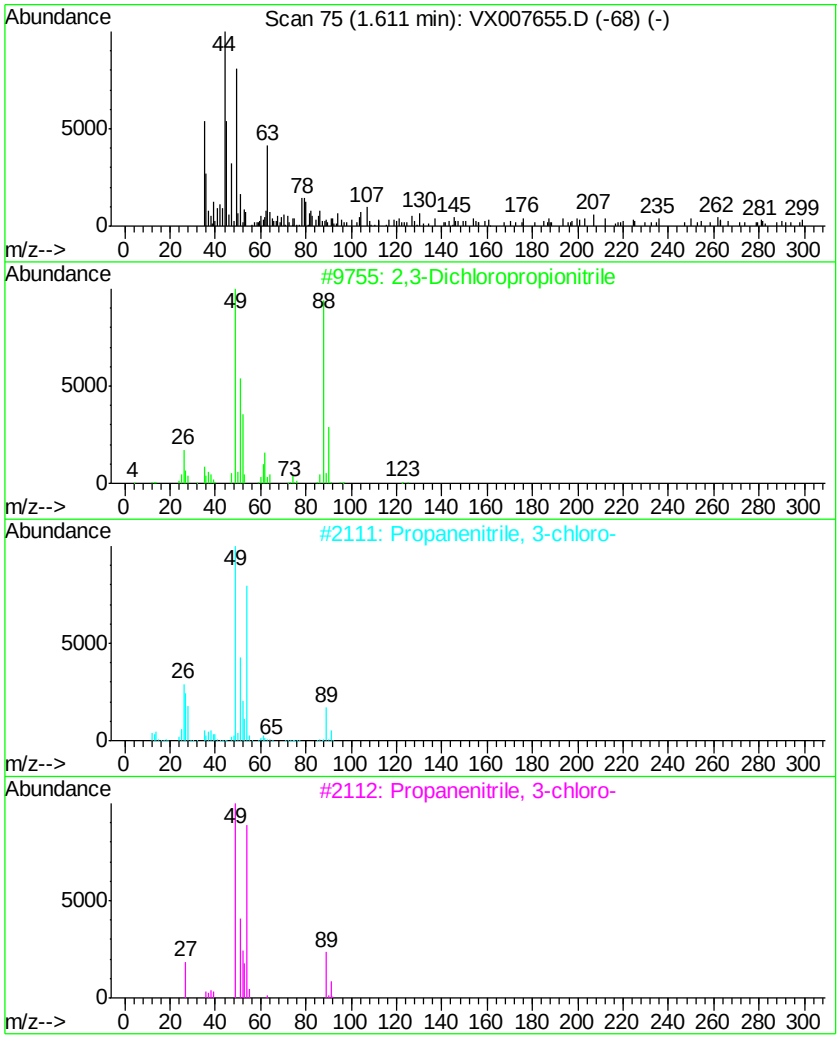
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

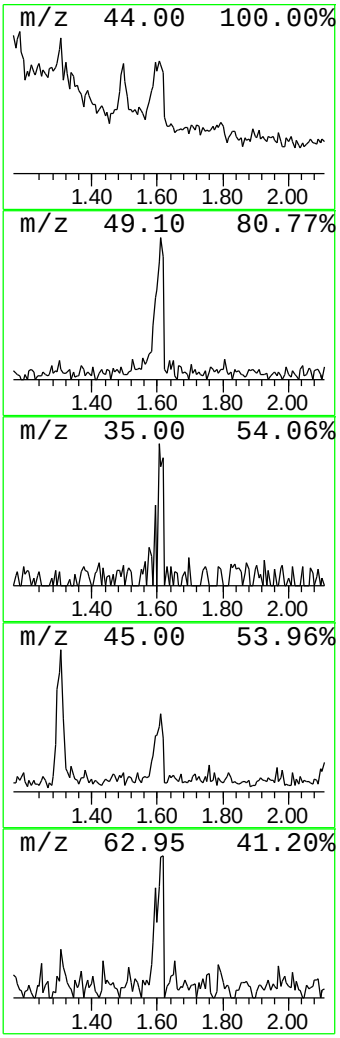
****

Peak Number 1 unknown1.61 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.61	3.29 ug/l	48121	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dichloropropionitrile	123	C3H3Cl2N	002601-89-0	17
2	Propanenitrile, 3-chloro-	89	C3H4ClN	000542-76-7	12
3	Propanenitrile, 3-chloro-	89	C3H4ClN	000542-76-7	9
4	Thiocyanic acid, 2,4-dinitrophen...	225	C7H3N3O4S	001594-56-5	9
5	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

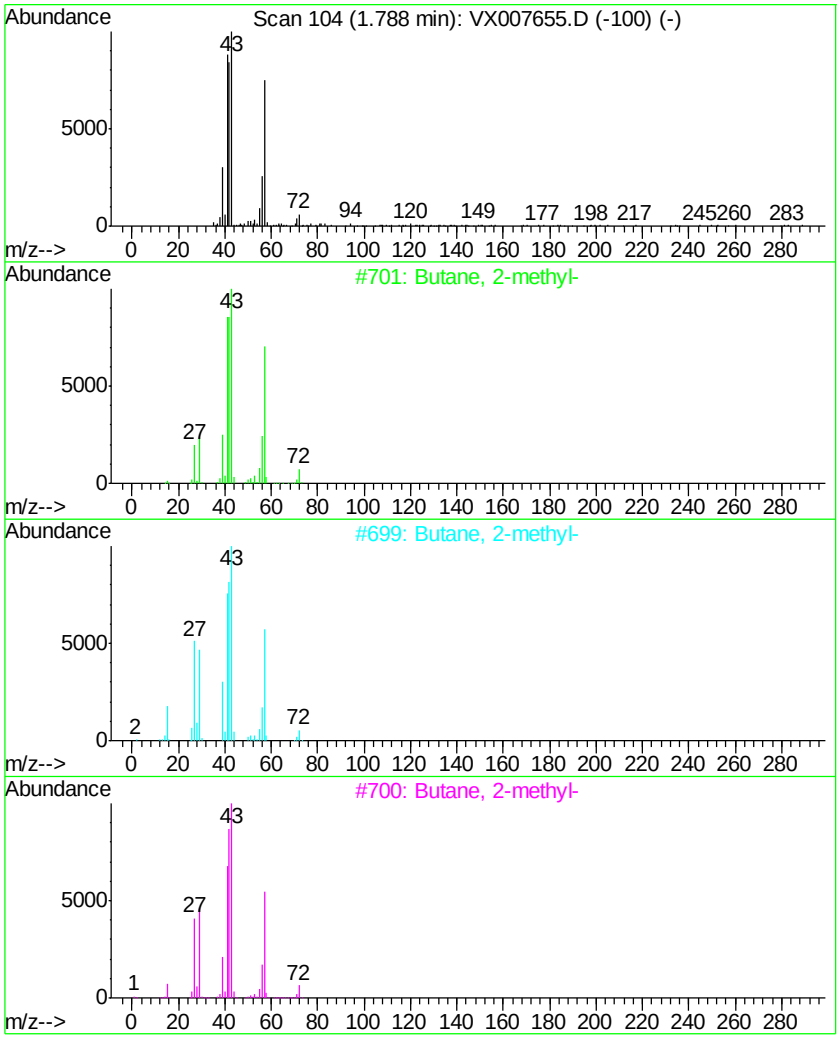
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

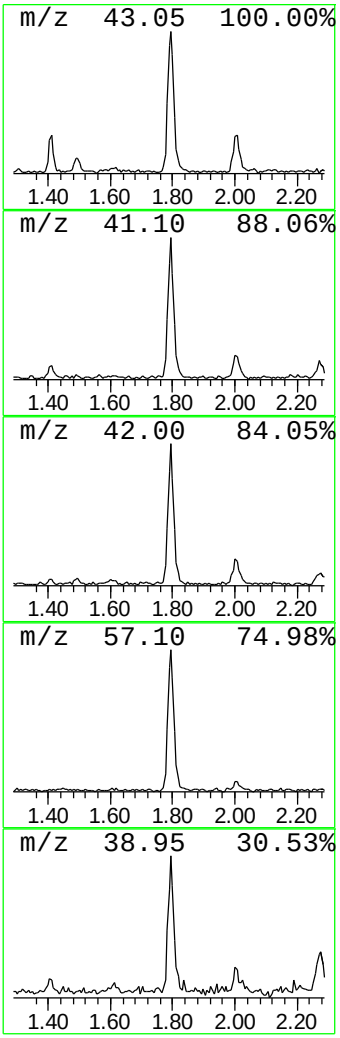
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	8.53 ug/l	124808	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	3-Buten-1-ol	72	C4H8O	000627-27-0	37
5	Pentane	72	C5H12	000109-66-0	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

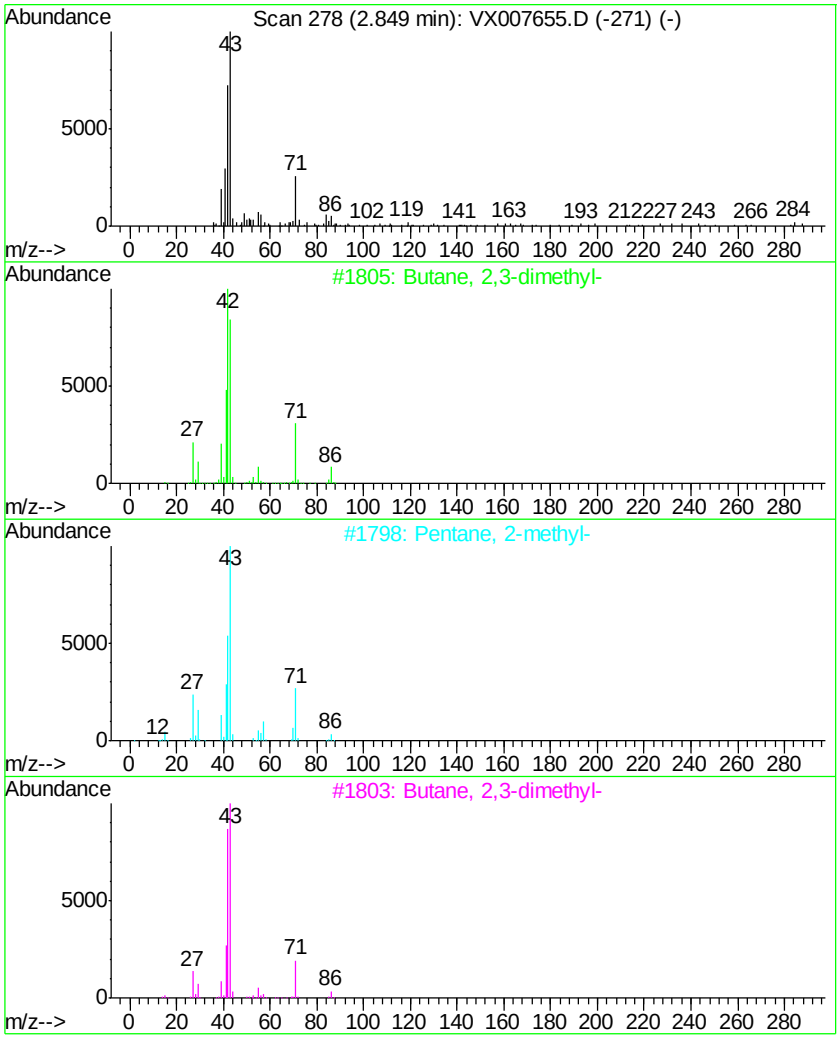
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

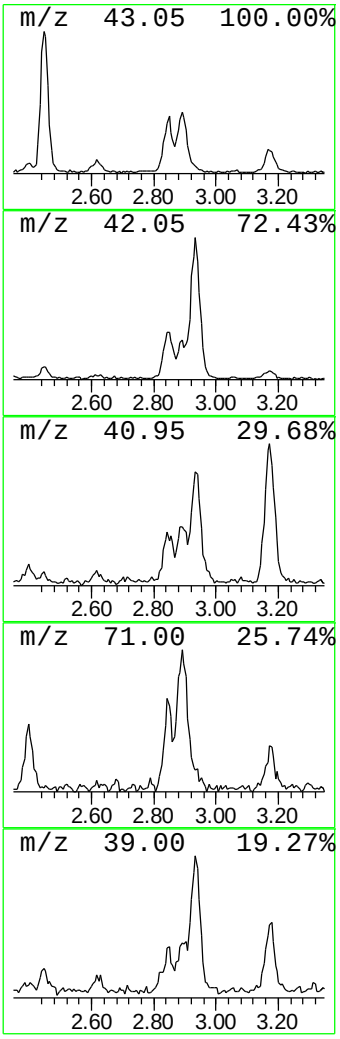
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	3.76 ug/l	54974	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
5	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

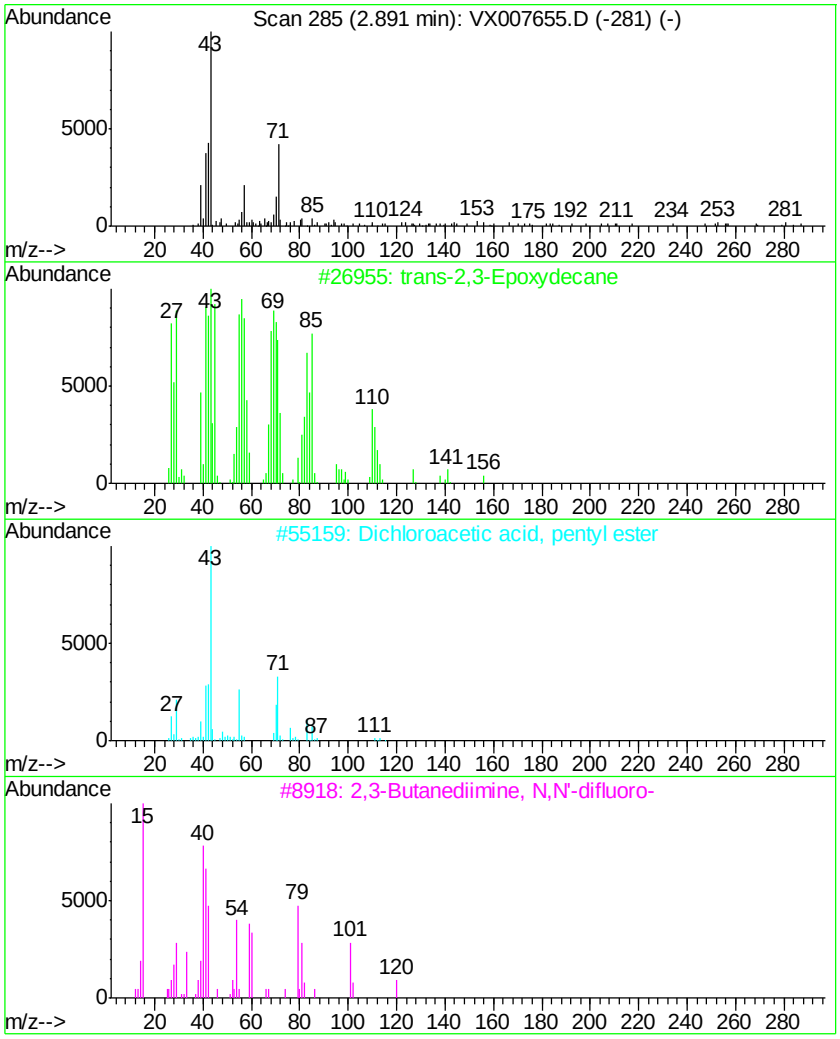
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

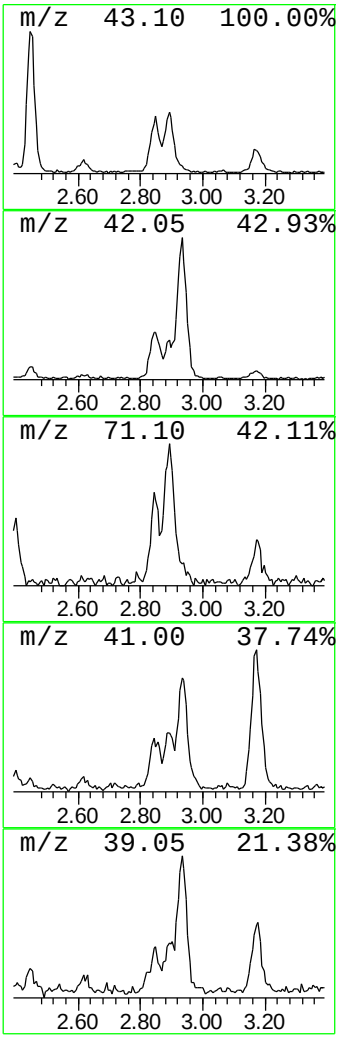
****

Peak Number 4 trans-2,3-Epoxydecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	4.13 ug/l	60450	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	59
2	Dichloroacetic acid, pentyl ester	198	C7H12Cl2O2	037079-03-1	38
3	2,3-Butanediimine, N,N'-difluoro-	120	C4H6F2N2	016063-51-7	27
4	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	27
5	Butane, 2-methyl-	72	C5H12	000078-78-4	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

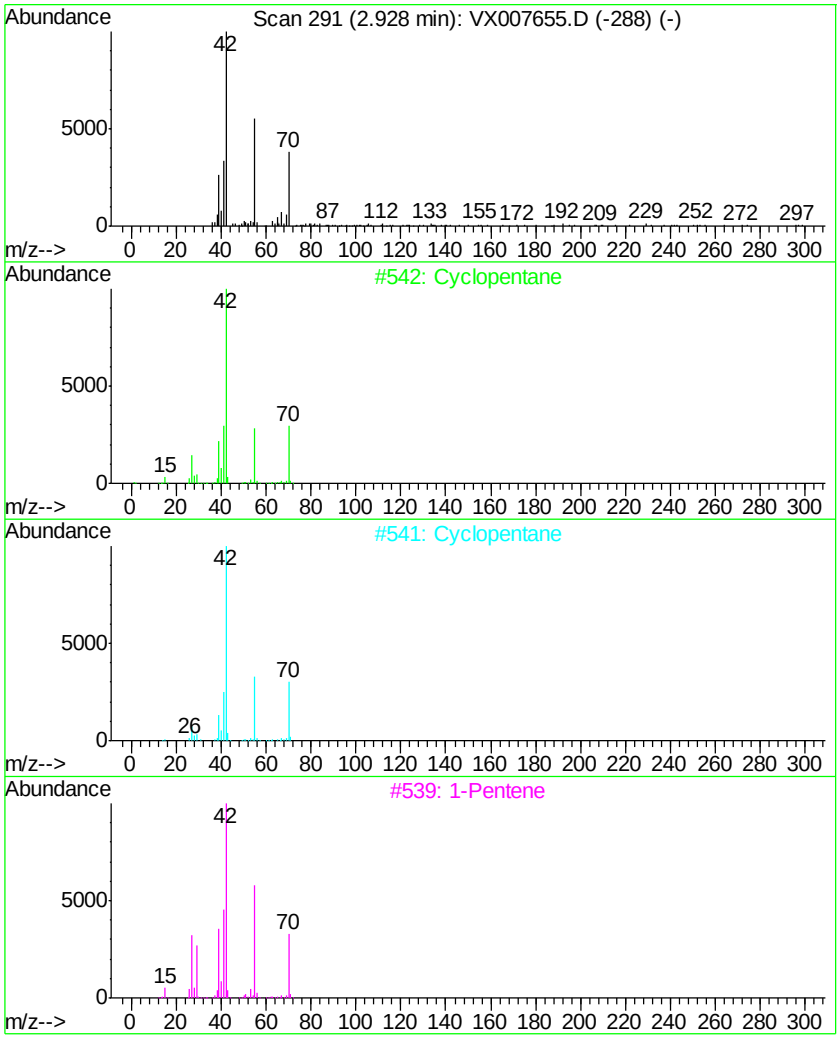
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

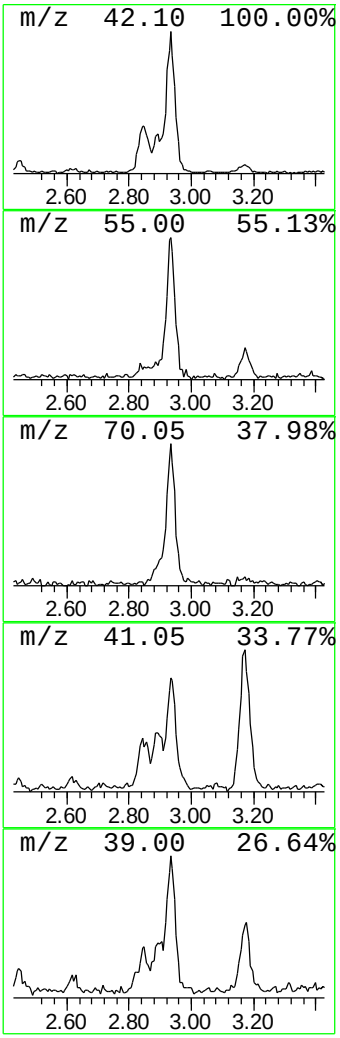
****

Peak Number 5 Cyclopentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	7.88 ug/l	115312	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	Cyclopentane	70	C5H10	000287-92-3	72
3	1-Pentene	70	C5H10	000109-67-1	59
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	56
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

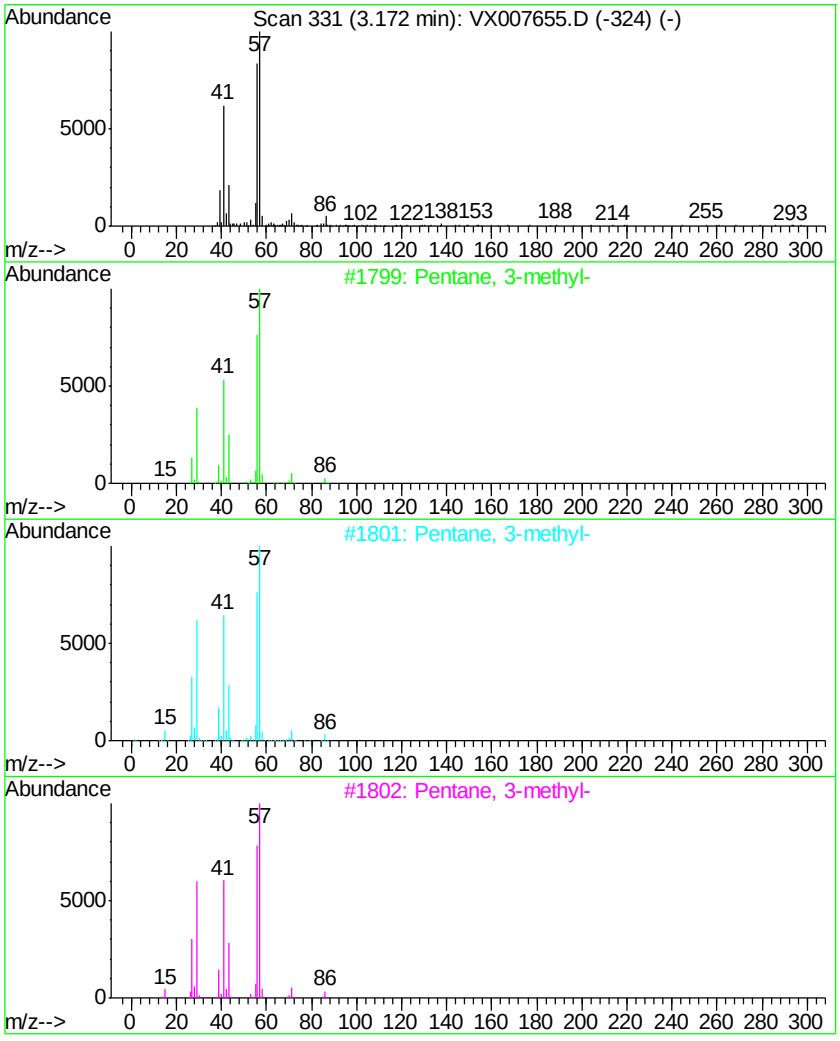
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

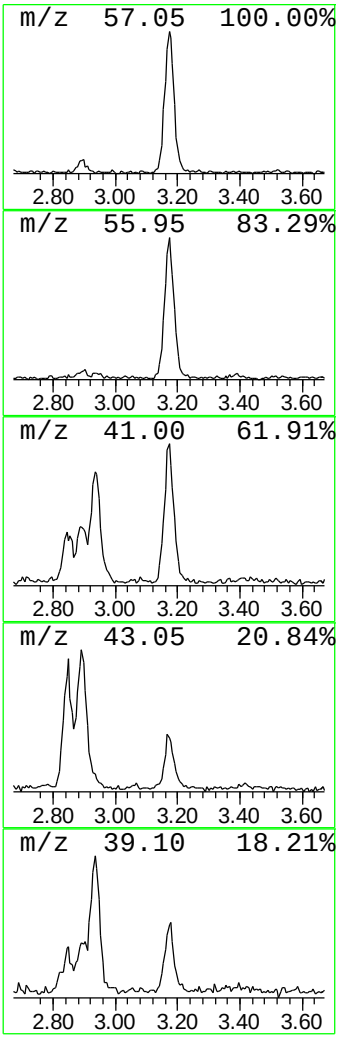
****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	8.68 ug/l	127002	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	83
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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

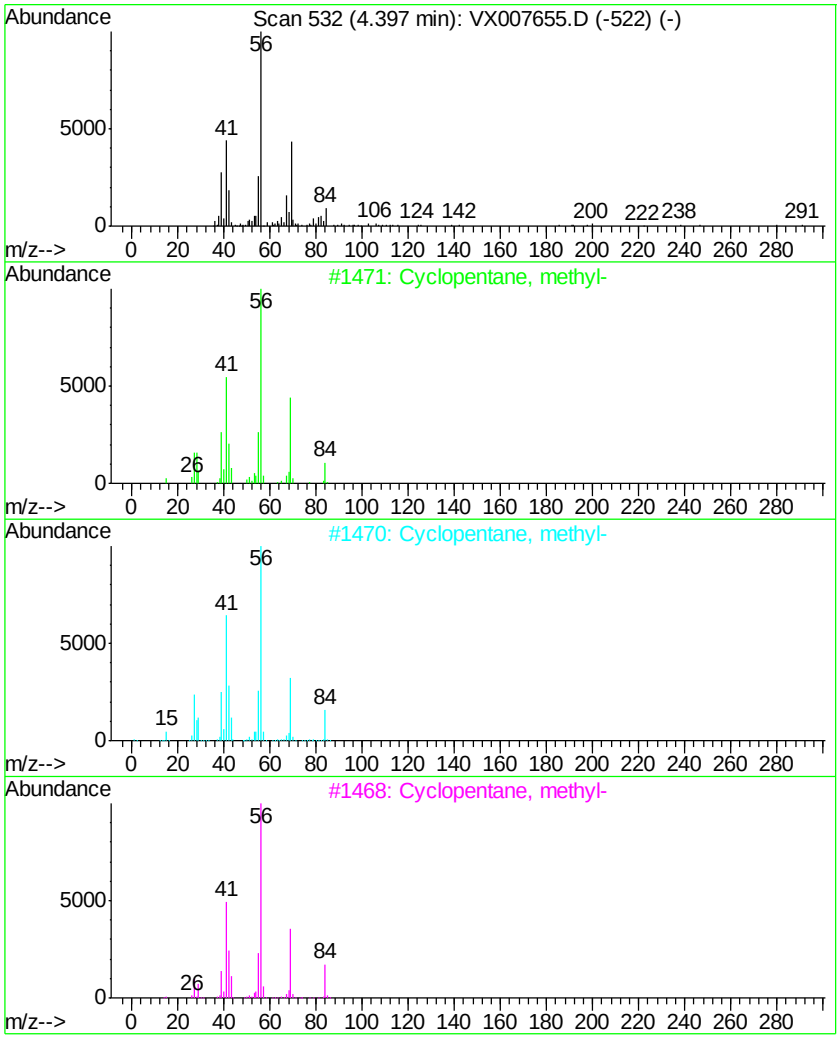
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

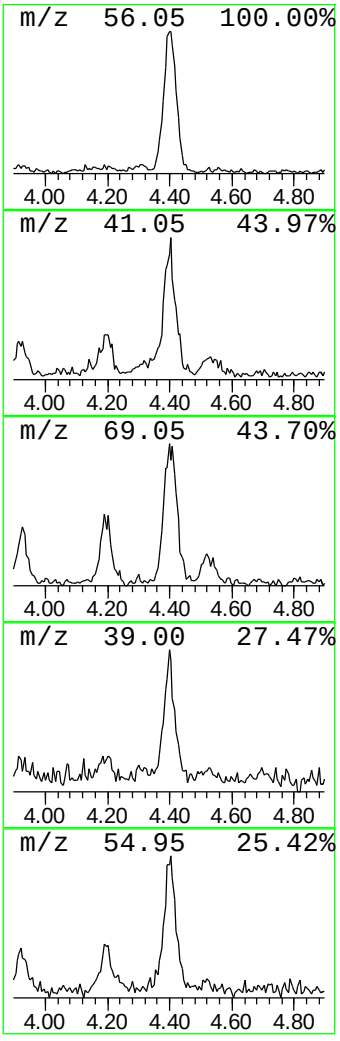
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	6.73 ug/l	98476	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	Cyclohexane	84	C6H12	000110-82-7	64
5	Cyclohexane	84	C6H12	000110-82-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

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
unknown1.61	1.61	3.3	ug/l	48121	1	5.03	438965	30.0
Butane, 2-methyl-	1.79	8.5	ug/l	124808	1	5.03	438965	30.0
Butane, 2,3-dimet...	2.85	3.8	ug/l	54974	1	5.03	438965	30.0
trans-2,3-Epoxyde...	2.89	4.1	ug/l	60450	1	5.03	438965	30.0
Cyclopentane	2.93	7.9	ug/l	115312	1	5.03	438965	30.0
Pentane, 3-methyl-	3.17	8.7	ug/l	127002	1	5.03	438965	30.0
Cyclopentane, met...	4.40	6.7	ug/l	98476	1	5.03	438965	30.0