LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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	1.611	65	75	79	rBV3	23643	55942	5.56%	0.931%
2	1.794	100	105	112	rVB	93735	132038	13.12%	2.198%
3	2.001	135	139	145	rBV4	15530	25278	2.51%	0.421%
4	2.270	179	183	189	rBV	20097	33739	3.35%	0.562%
5	2.446	207	212	219	rVB	38092	63511	6.31%	1.057%
6	2.617	235	240	248	rVB2	14474	28613	2.84%	0.476%
7	2.849	271	278	281	rBV3	29515	65728	6.53%	1.094%
8	2.891	282	285	287	rVV3	32318	51056	5.07%	0.850%
9	2.934	288	292	301	rVB	69221	139731	13.89%	2.326%
10	3.172	323	331	340	rBV2	55911	134876	13.40%	2.245%
11	3.812	431	436	446	rVB5	9296	24479	2.43%	0.407%
12	3.922	446	454	456	rBV7	7735	17591	1.75%	0.293%
13	4.196	494	499	505	rVB8	7093	16487	1.64%	0.274%
14	4.397	521	532	544	rVB3	35921	110777	11.01%	1.844%
15	4.696	577	581	590	rVB2	6958	15040	1.49%	0.250%
16	5.019	623	634	646	rBV	141709	423855	42.12%	7.054%
17	5.580	715	726	737	rBV2	61019	185223	18.41%	3.083%
18	5.726	740	750	759	rVB2	10670	32327	3.21%	0.538%
19	5.927	776	783	785	rBV8	9228	17328	1.72%	0.288%
20	6.068	797	806	813	rBV2	141133	365991	36.37%	6.091%
21	6.147	813	819	826	rVB2	51436	131981	13.12%	2.197%
22	6.269	831	839	841	rBV6	8501	20182	2.01%	0.336%
23	6.366	848	855	863	rVB10	9375	26850	2.67%	0.447%
24	6.452	863	869	879	rVB10	10788	32326	3.21%	0.538%
25	6.860	925	936	946	rBV	313648	746475	74.19%	12.424%
26	6.939	946	949	957	rVB9	7200	16699	1.66%	0.278%
27	7.256	993	1001	1007	rBV9	8064	15134	1.50%	0.252%
28	7.458	1025	1034	1043	rVB4	33328	90802	9.02%	1.511%
29	7.555	1043	1050	1054	rBV3	6566	13663	1.36%	0.227%
30	8.207	1152	1157	1163	rVB2	10510	19087	1.90%	0.318%
31	8.573	1213	1217	1225	rVB9	8390	17219	1.71%	0.287%
32	8.653	1225	1230	1234	rBV7	6438	13070	1.30%	0.218%
33	8.713	1234	1240	1247	rVV	640329	1006199	100.00%	16.747%
34	8.787	1247	1252	1257	rVB2	14752	26720	2.66%	0.445%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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	10.110	1460	1469	1480	rBV	605073	865528	86.02%	14.406%
36	10.360	1504	1510	1515	rVB	19399	28693	2.85%	0.478%
37	10.695	1562	1565	1570	rBV3	7200	10758	1.07%	0.179%
38	11.018	1612	1618	1621	rBV3	10048	14915	1.48%	0.248%
39	11.134	1632	1637	1649	rBV	492532	646496	64.25%	10.760%
40	11.359	1670	1674	1678	rVB2	9911	12606	1.25%	0.210%
41	11.457	1687	1690	1695	rVB7	6716	10618	1.06%	0.177%
42	11.664	1719	1724	1729	rBV	15288	21514	2.14%	0.358%
43	11.804	1743	1747	1755	rBV2	8837	14017	1.39%	0.233%
44	12.146	1799	1803	1808	rBV7	7068	11159	1.11%	0.186%
45	12.274	1820	1824	1825	rBV2	12680	15916	1.58%	0.265%
46	12.298	1825	1828	1835	rVV	46216	62561	6.22%	1.041%
47	12.371	1835	1840	1847	rVB10	7270	14999	1.49%	0.250%
48	12.755	1899	1903	1910	rBV2	11254	16500	1.64%	0.275%
49	12.908	1918	1928	1932	rBV2	11464	23606	2.35%	0.393%
50	12.975	1935	1939	1943	rVB4	8092	11721	1.16%	0.195%
51	13.225	1977	1980	1986	rVB7	7479	10962	1.09%	0.182%
52	13.347	1996	2000	2005	rBV2	19162	25723	2.56%	0.428%
53	13.481	2017	2022	2027	rVB9	7890	13399	1.33%	0.223%
54	13.646	2044	2049	2052	rBV6	6092	11832	1.18%	0.197%
55	13.835	2075	2080	2086	rVB	7895	12936	1.29%	0.215%
56	13.987	2098	2105	2108	rBV5	8729	13686	1.36%	0.228%
57	14.536	2191	2195	2198	rBV5	7957	10959	1.09%	0.182%
58	14.840	2241	2245	2249	rBV5	7201	11192	1.11%	0.186%

Sum of corrected areas: 6008313

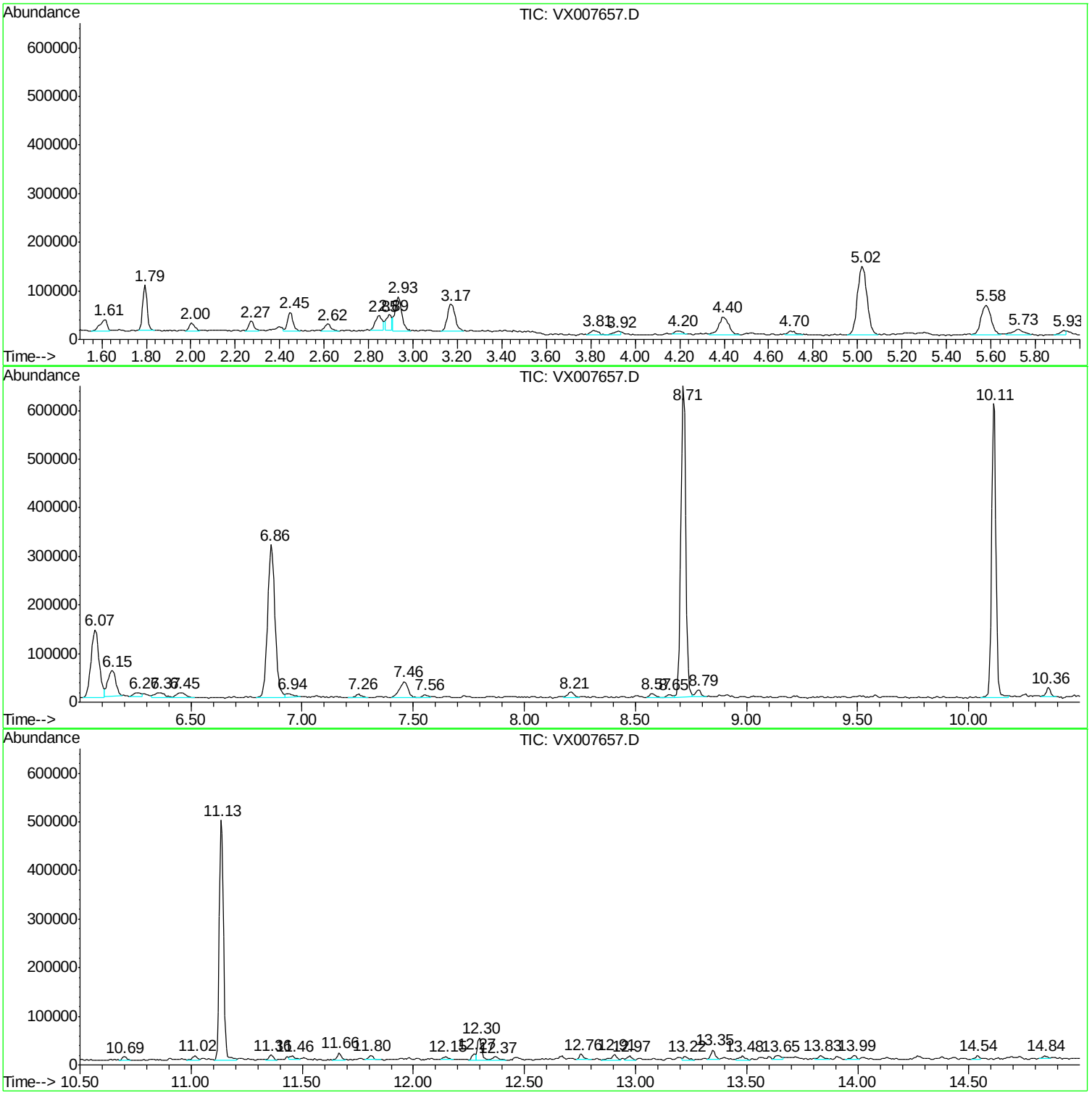
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

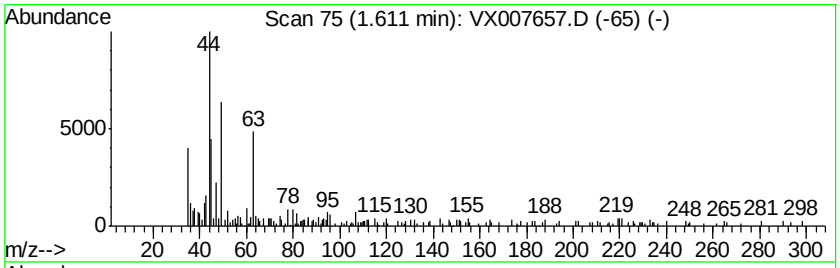
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

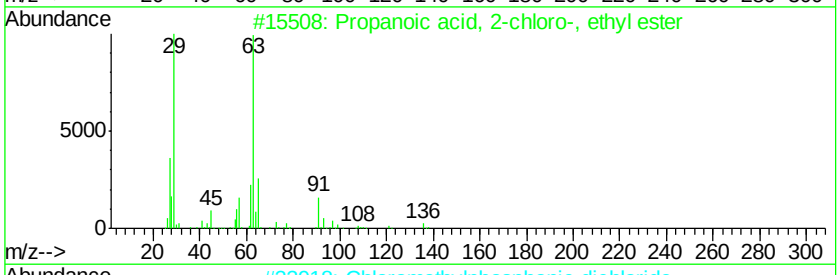
****

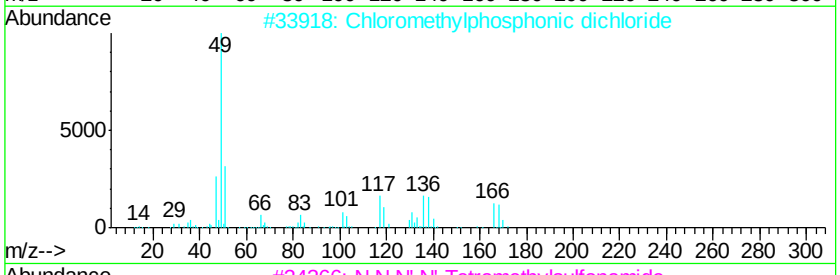
Peak Number 1 unknown1.61 Concentration Rank 6

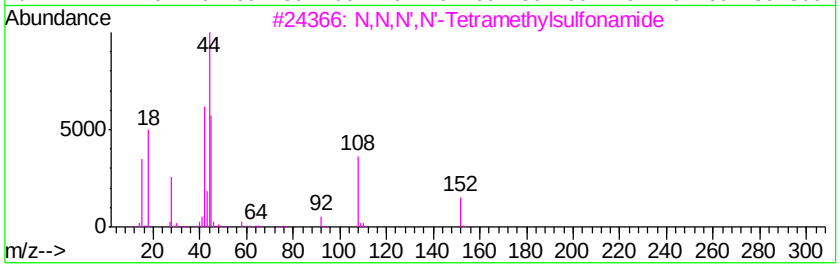
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.61	3.96 ug/l	55942	Bromochloromethane	5.03

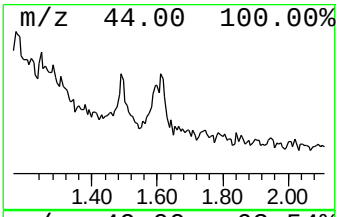
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	9
2	Chloromethylphosphonic dichloride	166	CH2Cl3OP	001983-26-2	9
3	N,N,N',N'-Tetramethylsulfonamide	152	C4H12N2O2S	003768-63-6	9
4	Propanenitrile, 2,2,3-trichloro-	157	C3H2Cl3N	000813-74-1	9
5	5-Dimethylaminomethyleneamino-4-...	220	C10H12N4S	1000223-11-5	9

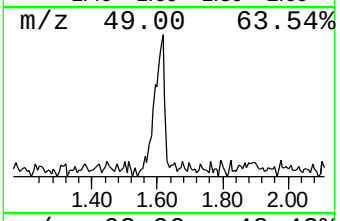


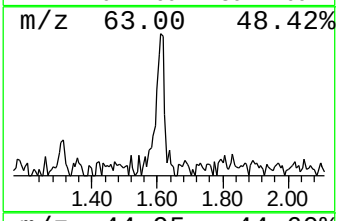


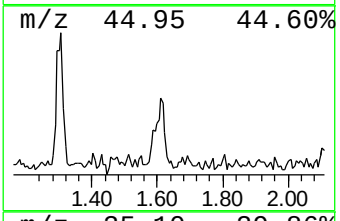


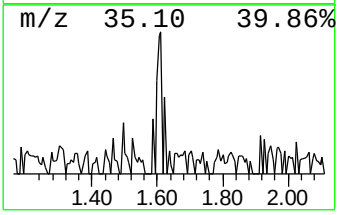












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

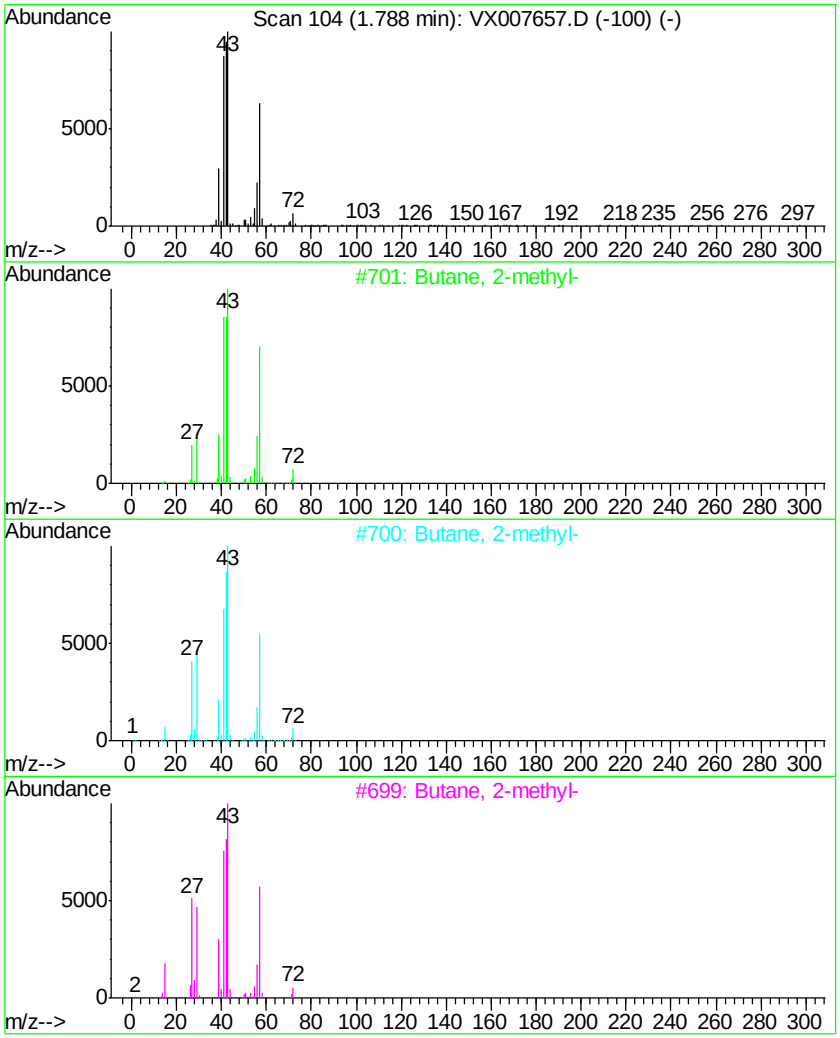
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

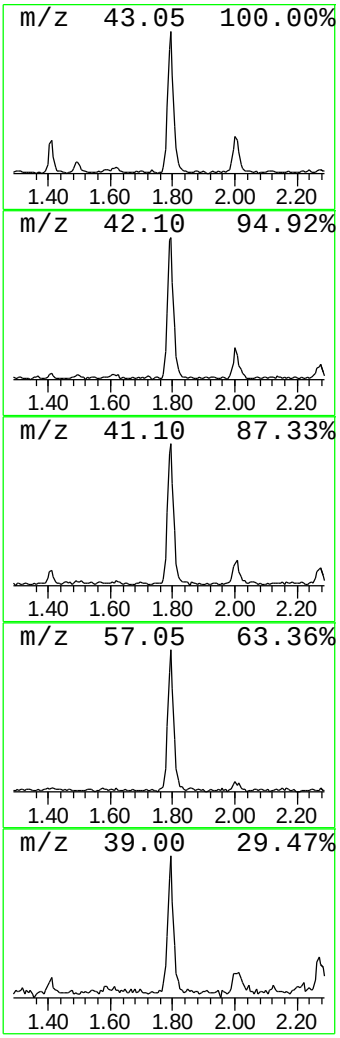
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	9.35 ug/l	132038	Bromochloromethane	5.03

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	86
4	Pentane	72	C5H12	000109-66-0	72
5	3-Buten-1-ol	72	C4H8O	000627-27-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

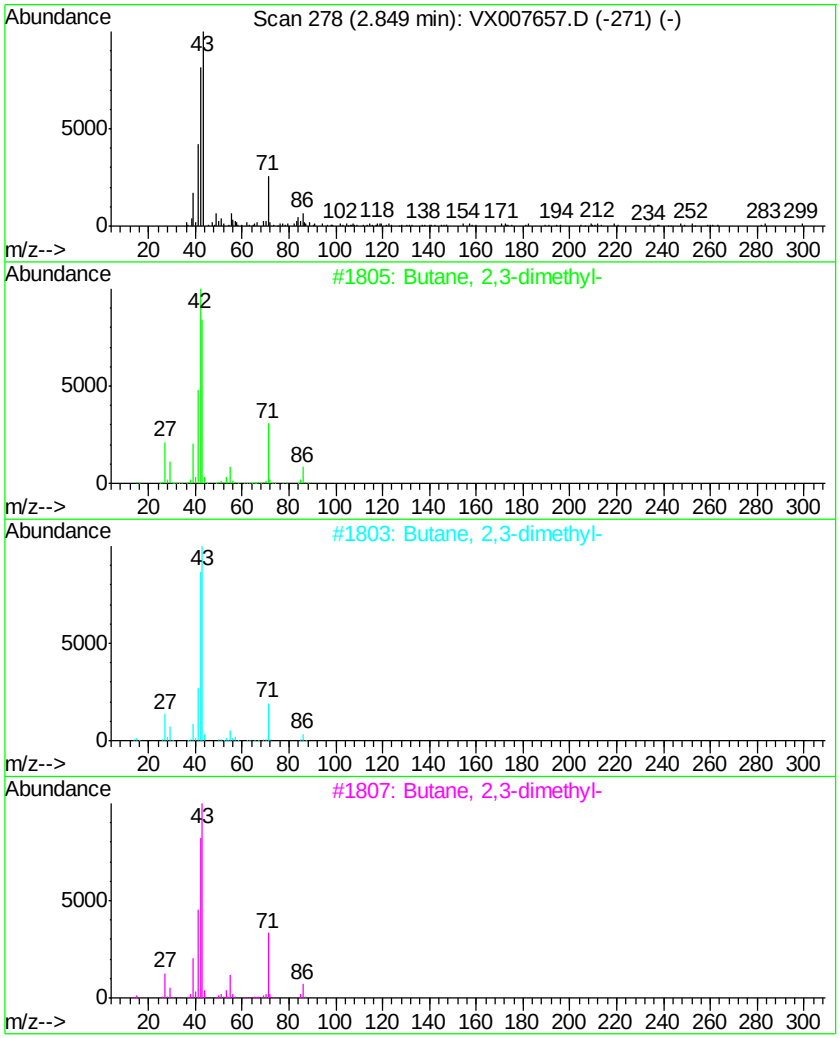
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

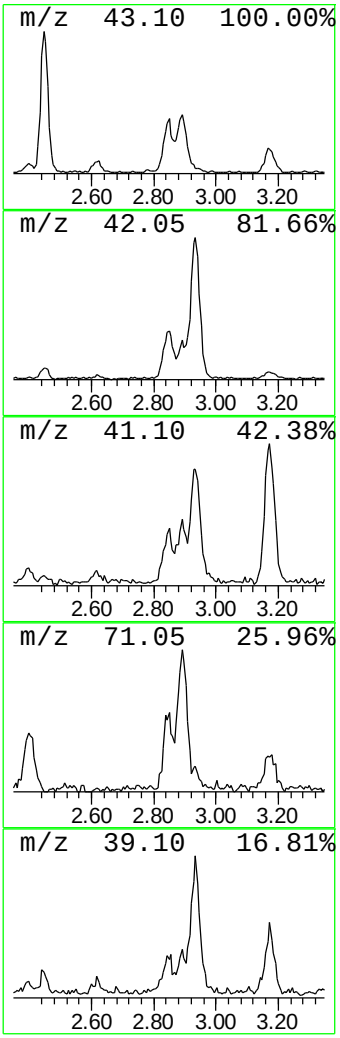
****

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	4.65 ug/l	65728	Bromochloromethane	5.03

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	64
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
4	Aspartic acid methyl ester	146	C5H10N2O3	1000130-17-8	40
5	Morpholine, 3,5-dimethyl-4-nitroso-	144	C6H12N2O2	055556-87-1	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

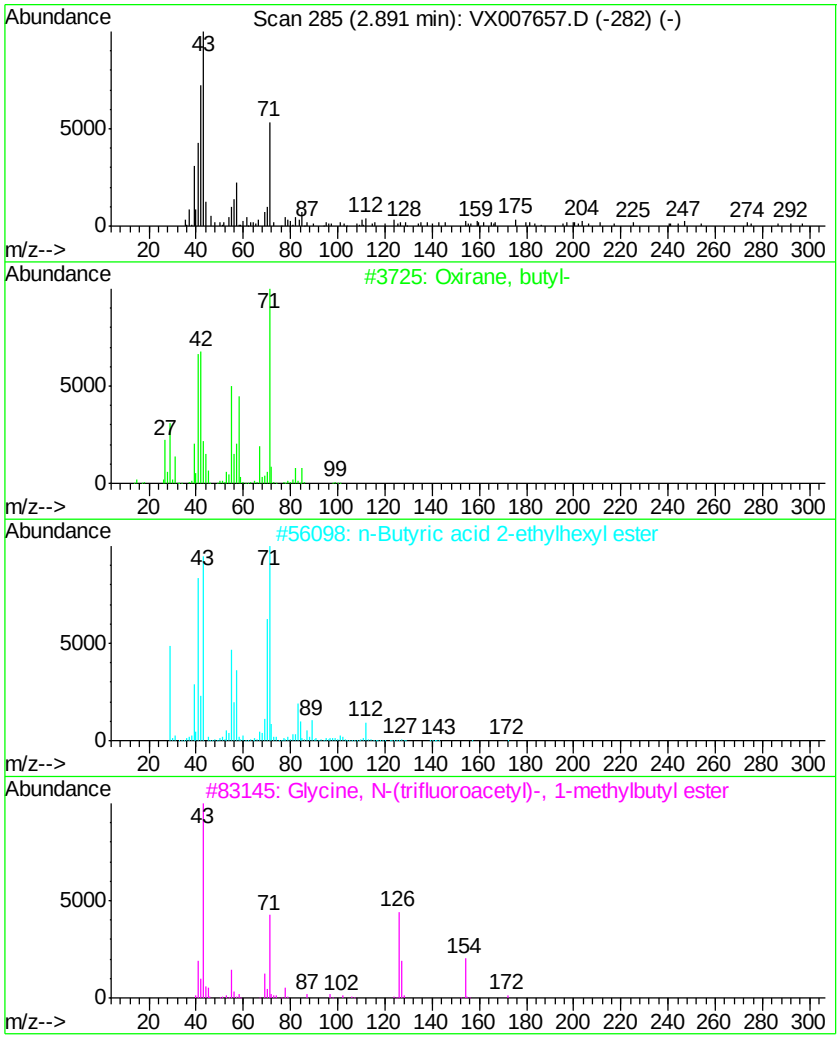
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

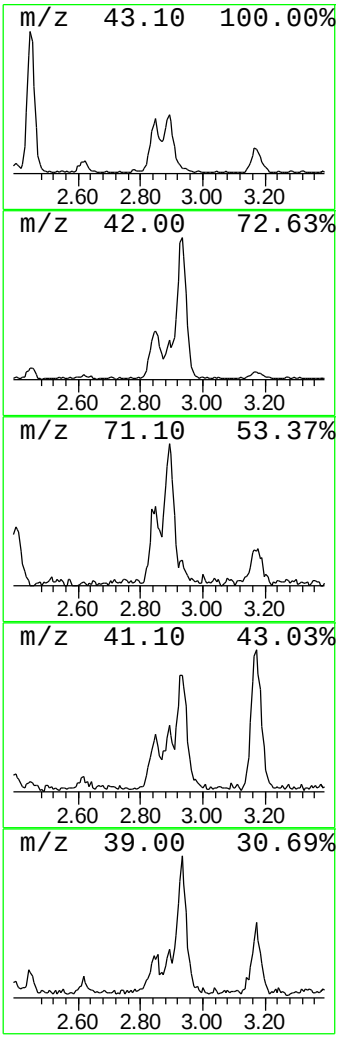
****

Peak Number 4 unknown2.89 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	3.61 ug/l	51056	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, butyl-	100	C6H12O	001436-34-6	45
2	n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	37
3	Glycine, N-(trifluoroacetyl)-, 1...	241	C9H14F3NO3	057983-43-4	32
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	32
5	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

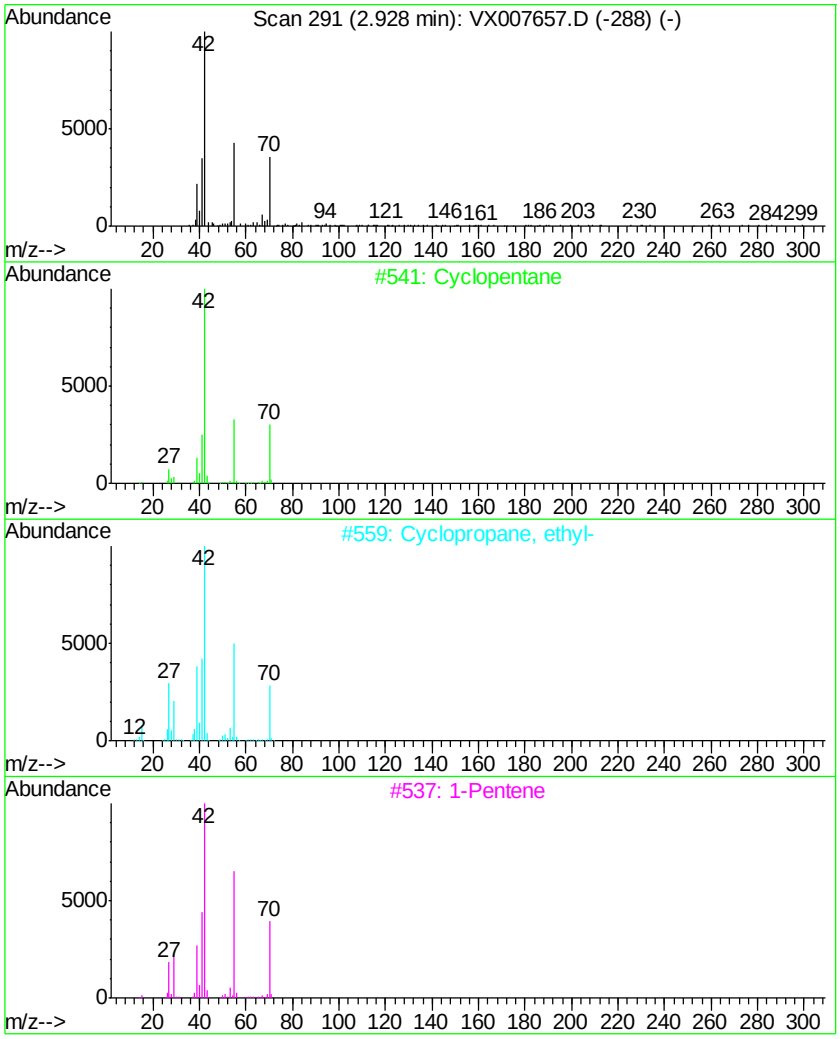
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

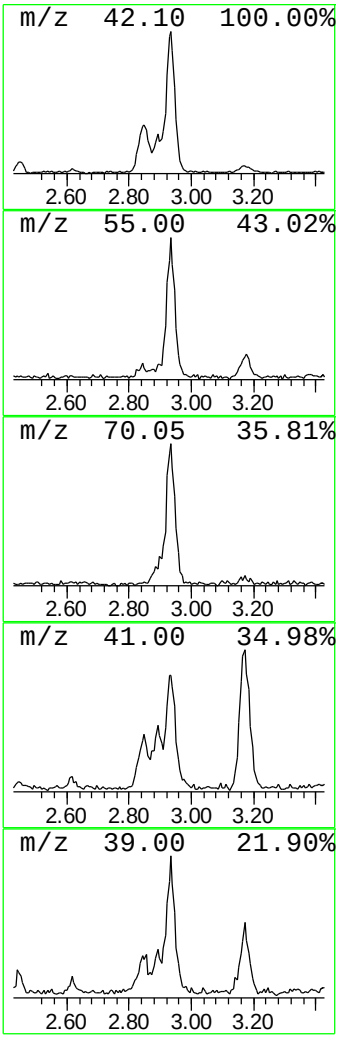
****

Peak Number 5 Cyclopentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	9.89 ug/l	139731	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
3	1-Pentene	70	C5H10	000109-67-1	72
4	Cyclopentane	70	C5H10	000287-92-3	64
5	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

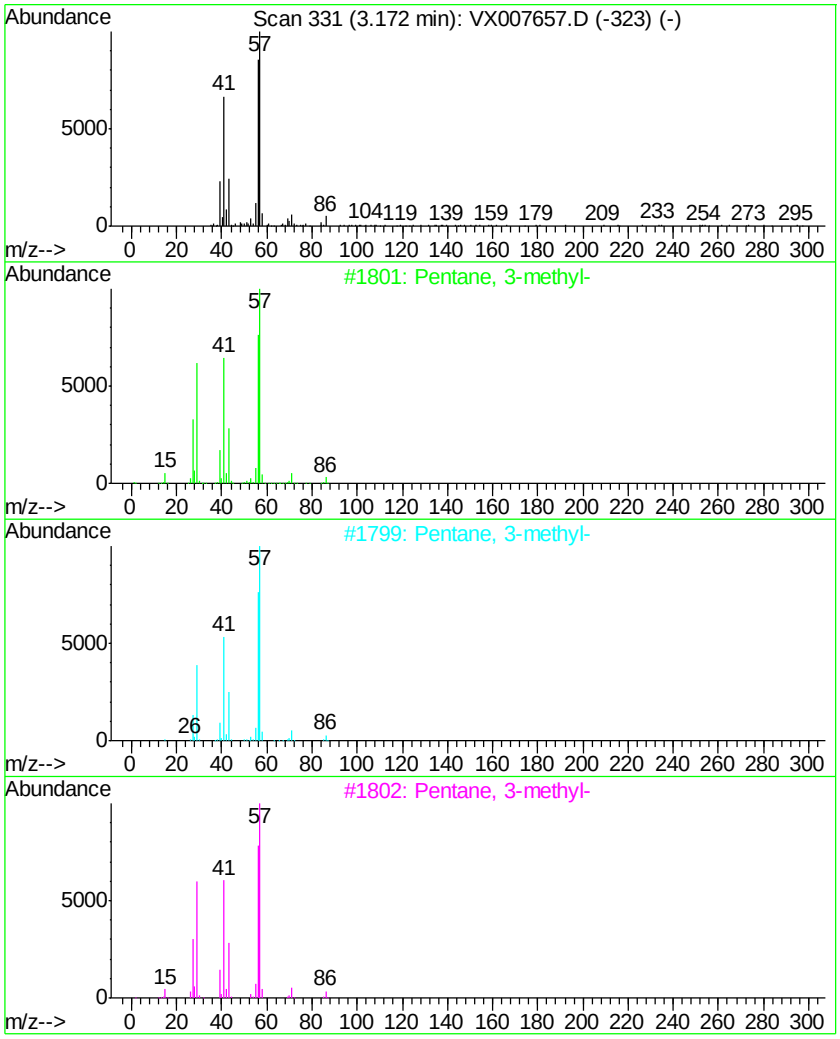
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

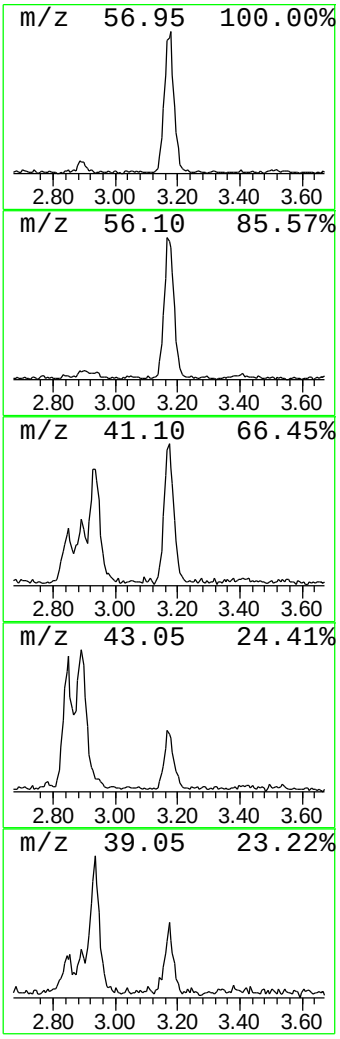
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	9.55 ug/l	134876	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	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	72
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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

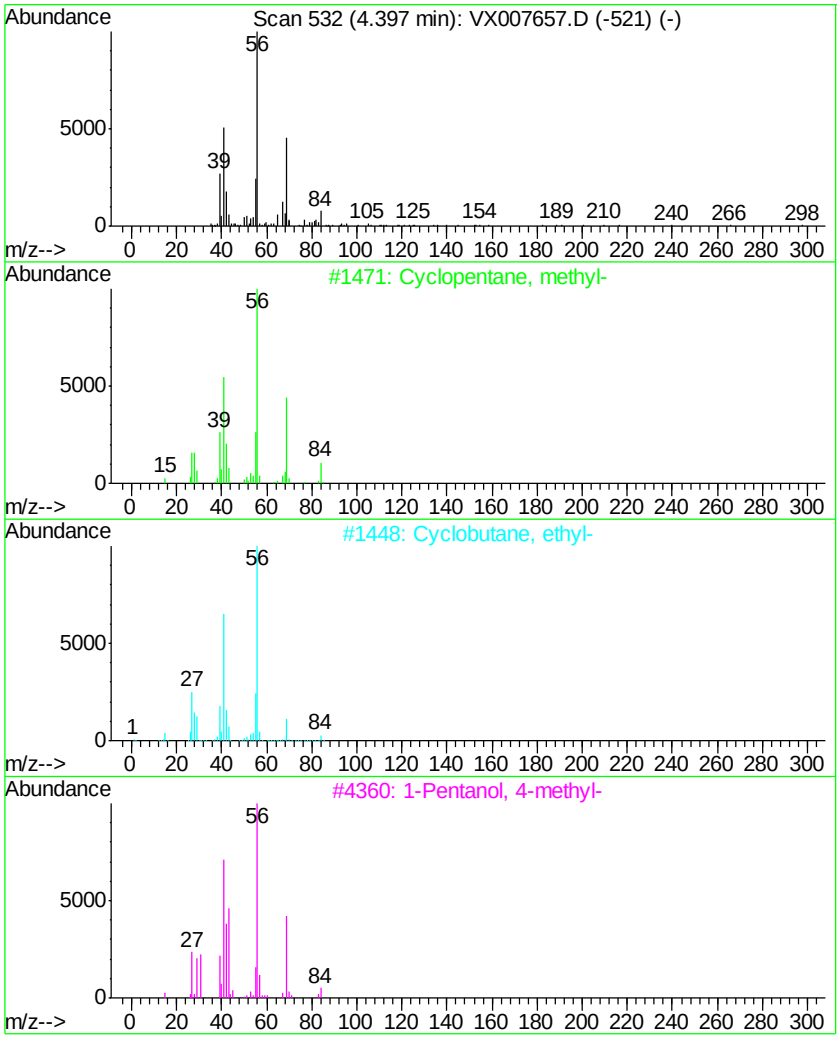
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

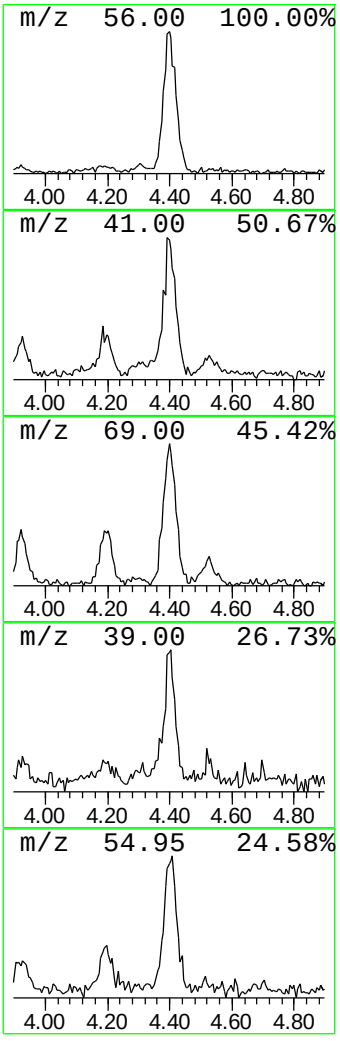
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	7.84 ug/l	110777	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	64
4	Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	59
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007657.D
Acq On : 22 Feb 2019 14:03
Operator : JC/SP
Sample : K1570-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 25-25

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
unknown1.61	1.61	4.0	ug/l	55942	1	5.03	423855	30.0
Butane, 2-methyl-	1.79	9.3	ug/l	132038	1	5.03	423855	30.0
Butane, 2,3-dimet...	2.85	4.7	ug/l	65728	1	5.03	423855	30.0
unknown2.89	2.89	3.6	ug/l	51056	1	5.03	423855	30.0
Cyclopentane	2.93	9.9	ug/l	139731	1	5.03	423855	30.0
Pentane, 3-methyl-	3.17	9.6	ug/l	134876	1	5.03	423855	30.0
Cyclopentane, met...	4.40	7.8	ug/l	110777	1	5.03	423855	30.0