LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82X061919W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	16	20	26	rBV	25114	38194	1.34%	0.186%
2	1.794	99	105	114	rVB	448664	655815	23.01%	3.197%
3	2.392	194	203	209	rBV	22780	48056	1.69%	0.234%
4	2.843	268	277	298	rVB	595932	1374418	48.22%	6.701%
5	3.172	320	331	343	rVB	74496	177427	6.22%	0.865%
6	4.312	505	518	531	rBV	318152	963580	33.80%	4.698%
7	4.568	543	560	577	rBV3	28152	138628	4.86%	0.676%
8	5.501	701	713	722	rBV2	133568	381732	13.39%	1.861%
9	5.665	730	740	744	rBV	226321	641304	22.50%	3.127%
10	5.726	744	750	766	rVB	540557	1657206	58.14%	8.080%
11	5.952	776	787	796	rBV3	33420	102260	3.59%	0.499%
12	6.062	796	805	819	rVV	131744	337602	11.84%	1.646%
13	6.263	827	838	842	rBV2	40921	117759	4.13%	0.574%
14	6.348	842	852	864	rVV	942238	2850550	100.00%	13.898%
15	6.452	864	869	880	rVB3	14391	39242	1.38%	0.191%
16	6.860	922	936	950	rBV	344631	809459	28.40%	3.947%
17	7.452	1020	1033	1044	rVB4	50728	136568	4.79%	0.666%
18	7.580	1044	1054	1059	rBV	87170	183793	6.45%	0.896%
19	7.641	1059	1064	1067	rVV	71852	149112	5.23%	0.727%
20	7.683	1067	1071	1078	rVB	86122	169222	5.94%	0.825%
21	7.848	1090	1098	1106	rVB	27583	56647	1.99%	0.276%
22	8.055	1121	1132	1141	rBV	678263	1351442	47.41%	6.589%
23	8.177	1143	1152	1160	rBV	1014283	1953963	68.55%	9.527%
24	8.256	1160	1165	1171	rBV	50443	83550	2.93%	0.407%
25	8.451	1192	1197	1202	rBV	20649	36491	1.28%	0.178%
26	8.677	1224	1234	1236	rBV	130291	224663	7.88%	1.095%
27	8.714	1236	1240	1255	rVV	742307	1178337	41.34%	5.745%
28	8.842	1255	1261	1265	rVV	27417	50412	1.77%	0.246%
29	9.037	1288	1293	1299	rVB2	35034	58703	2.06%	0.286%
30	9.165	1305	1314	1320	rVB4	21132	40196	1.41%	0.196%
31	10.110	1464	1469	1479	rBV2	719691	1198449	42.04%	5.843%
32	10.658	1547	1559	1564	rBV6	13283	37747	1.32%	0.184%
33	11.134	1632	1637	1642	rVV	609912	769603	27.00%	3.752%
34	11.670	1716	1725	1731	rBV2	20664	35213	1.24%	0.172%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82X061919W.M
Title : SW846 8260

35	11.768	1733	1741	1746	rBV	36172	48883	1.71%	0.238%
36	11.920	1758	1766	1768	rBV	50943	77591	2.72%	0.378%
37	11.945	1768	1770	1775	rVB	51814	57655	2.02%	0.281%
38	12.079	1786	1792	1802	rBV	729047	955189	33.51%	4.657%
39	12.231	1812	1817	1824	rBV	109721	131386	4.61%	0.641%
40	12.298	1824	1828	1834	rVV	85546	108446	3.80%	0.529%
41	12.365	1835	1839	1849	rVB4	28035	52961	1.86%	0.258%
42	12.457	1849	1854	1863	rBV	22299	35774	1.25%	0.174%
43	12.664	1879	1888	1891	rBV	130426	166261	5.83%	0.811%
44	12.701	1891	1894	1899	rVV	83458	115883	4.07%	0.565%
45	12.756	1899	1903	1909	rVV2	219906	329805	11.57%	1.608%
46	12.896	1917	1926	1931	rVB	71656	105224	3.69%	0.513%
47	12.975	1936	1939	1945	rVB	39768	54577	1.91%	0.266%
48	13.085	1952	1957	1964	rVB2	22498	33795	1.19%	0.165%
49	13.347	1995	2000	2006	rVB2	66288	93004	3.26%	0.453%
50	13.640	2044	2048	2051	rBV2	23120	30502	1.07%	0.149%
51	13.694	2051	2057	2059	rVV3	19240	35116	1.23%	0.171%
52	13.719	2059	2061	2071	rVB2	22113	30976	1.09%	0.151%

Sum of corrected areas: 20510371

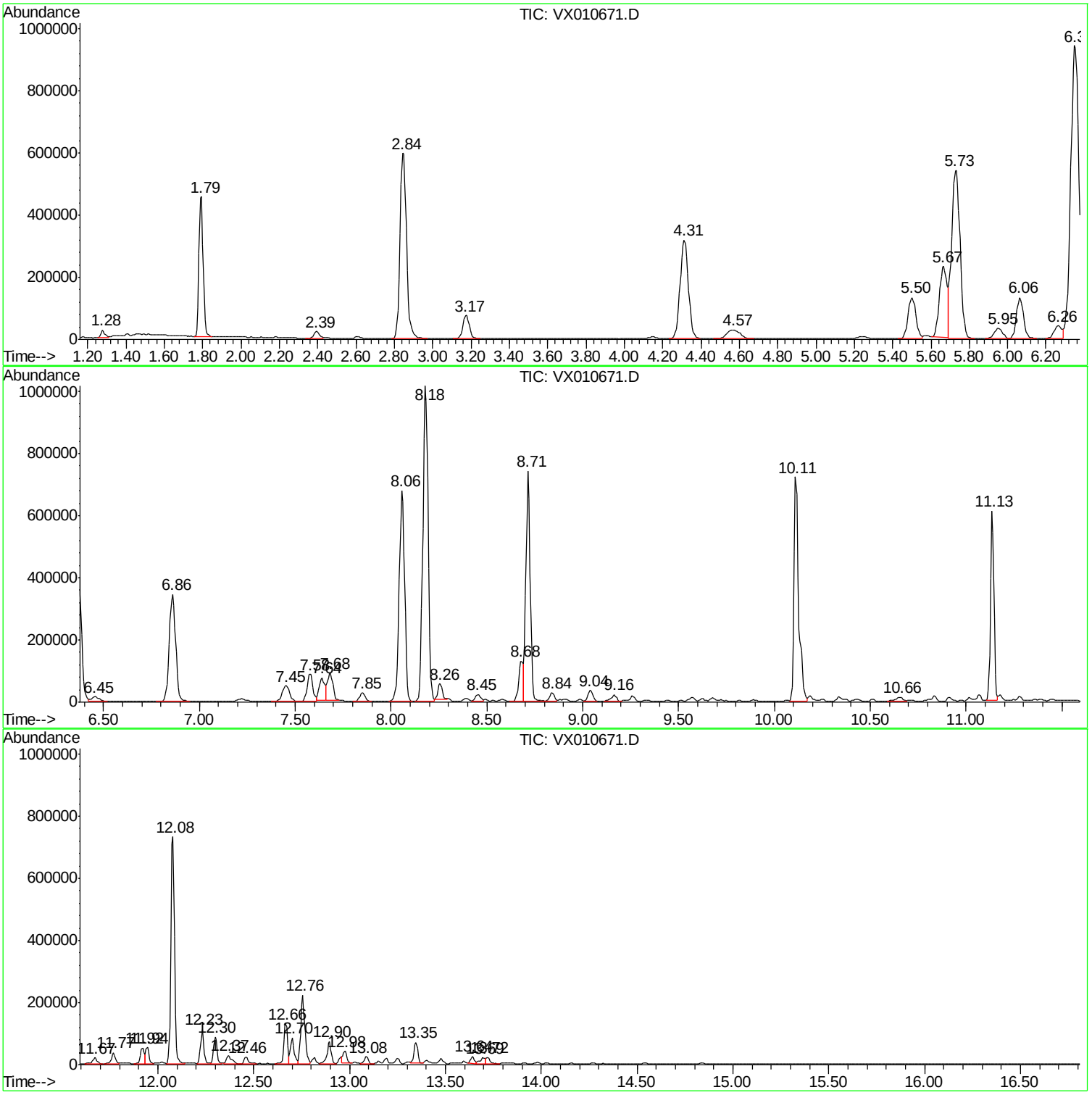
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

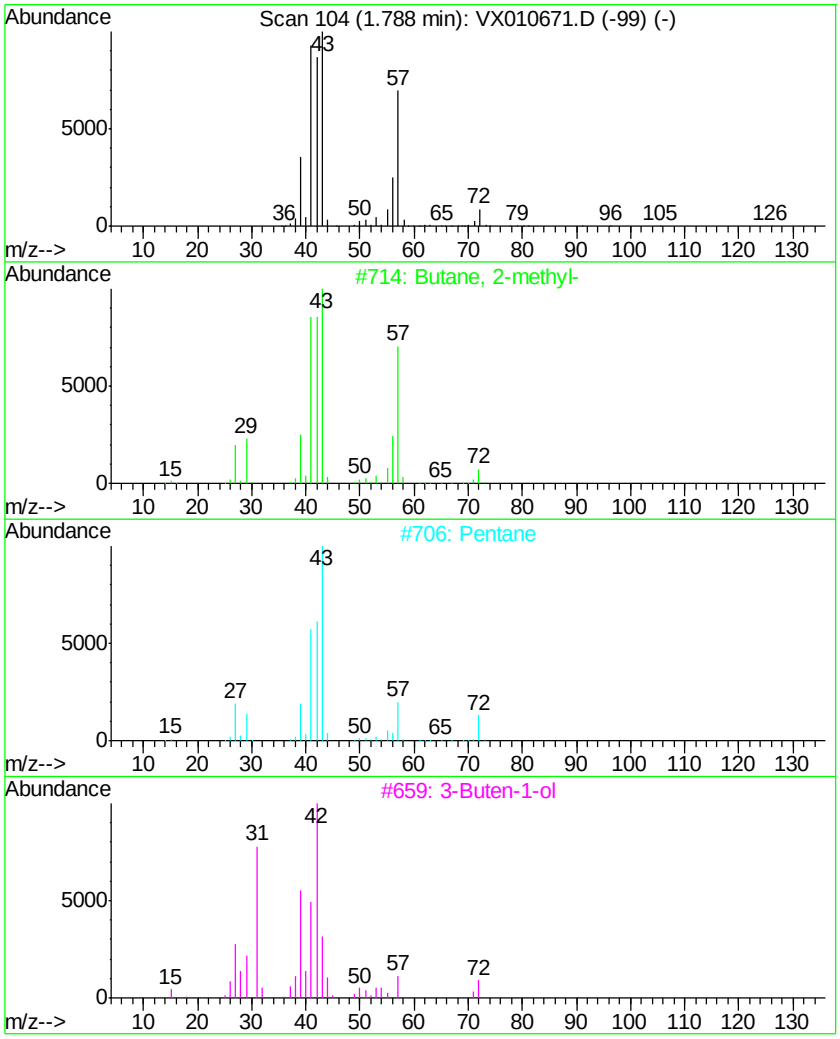
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

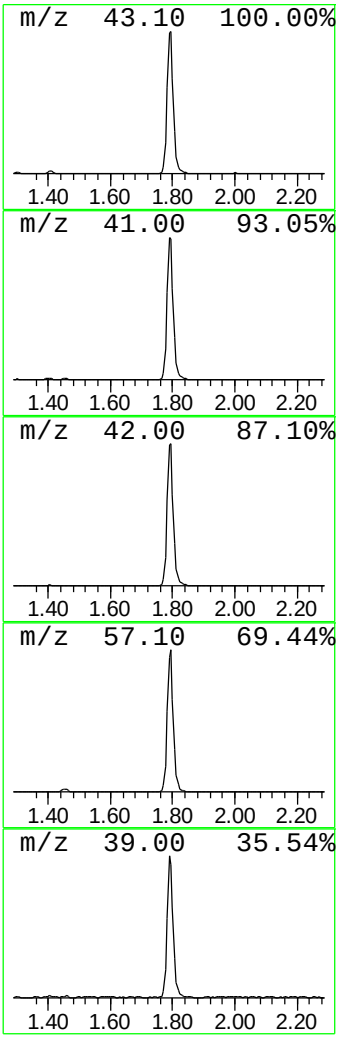
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	51.13 ug/l	655815	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Pentane	72	C5H12	000109-66-0	33
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

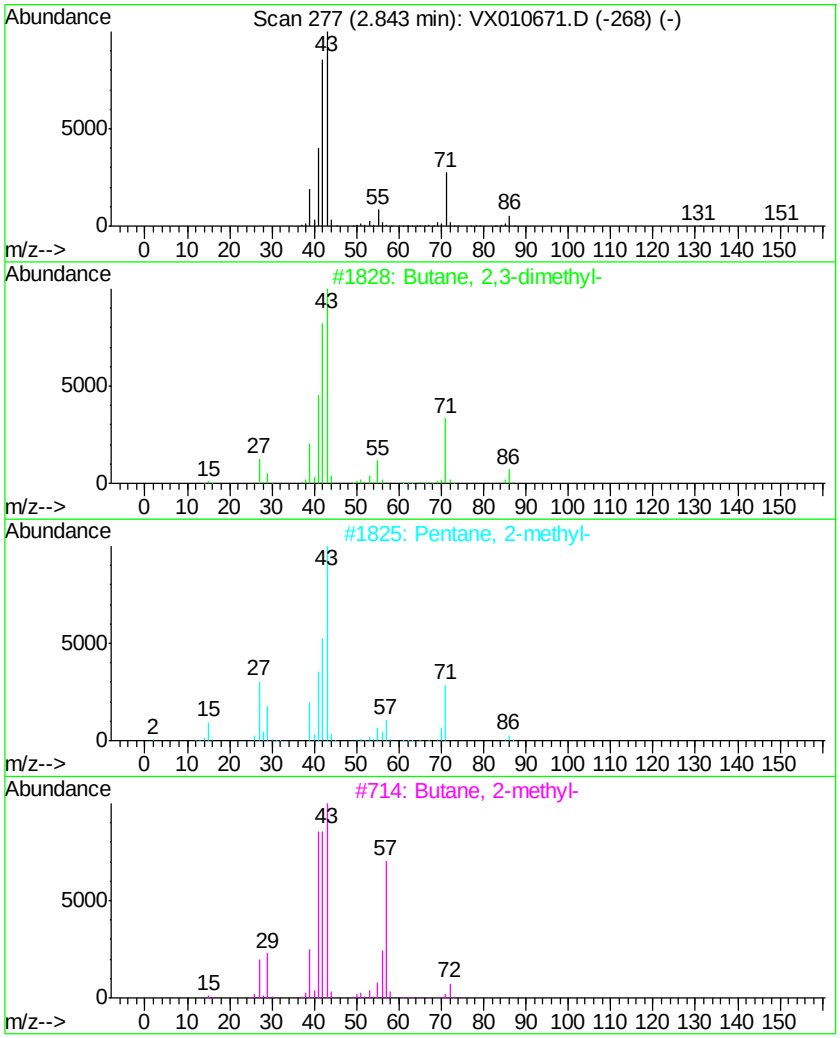
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

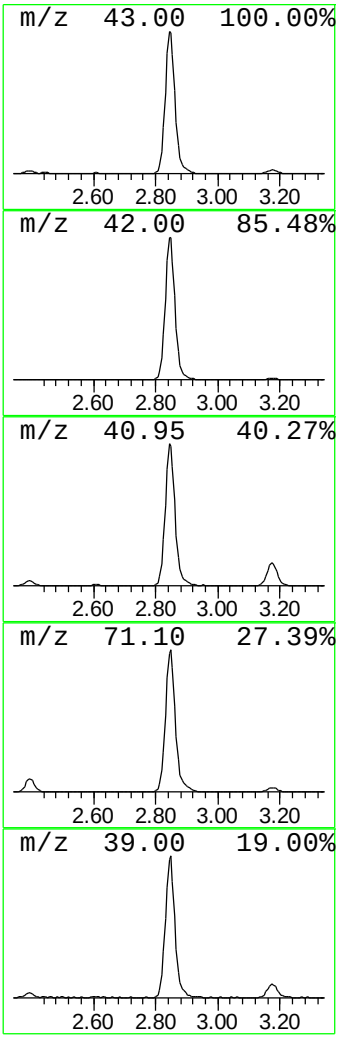
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	107.16 ug/l	1374420	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	36
4	1-Pentene	70	C5H10	000109-67-1	28
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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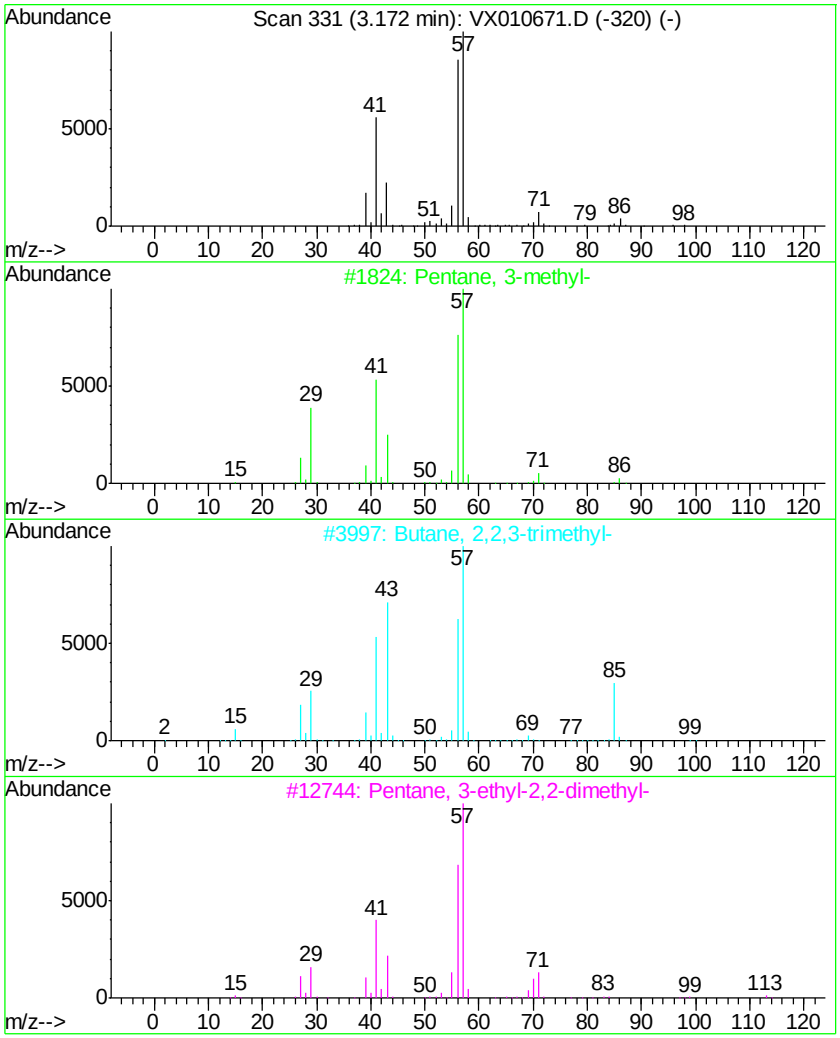
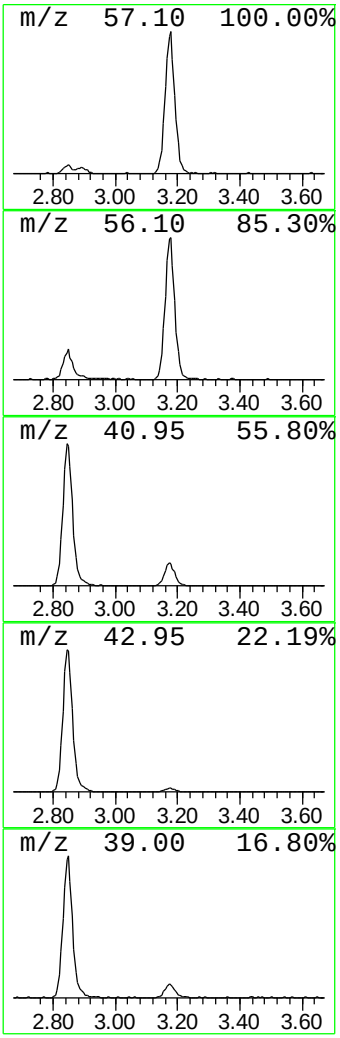
Peak Number 3 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	13.83 ug/l	177427	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

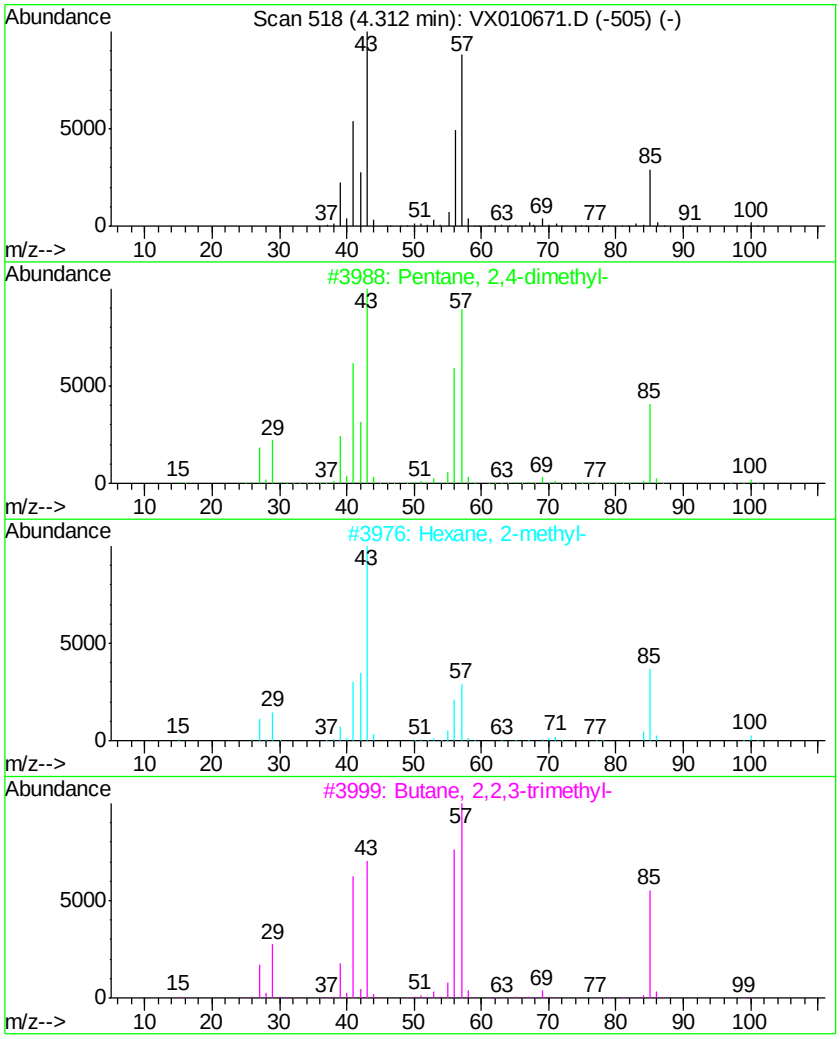
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

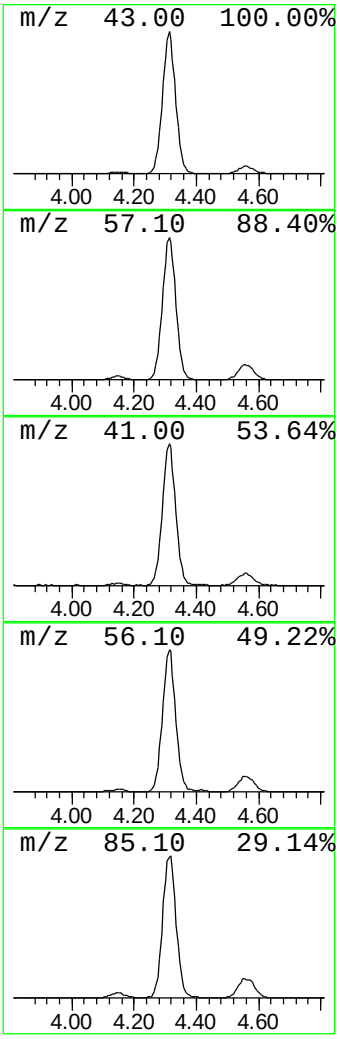
****

Peak Number 4 Pentane, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	75.13 ug/l	963580	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	94
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

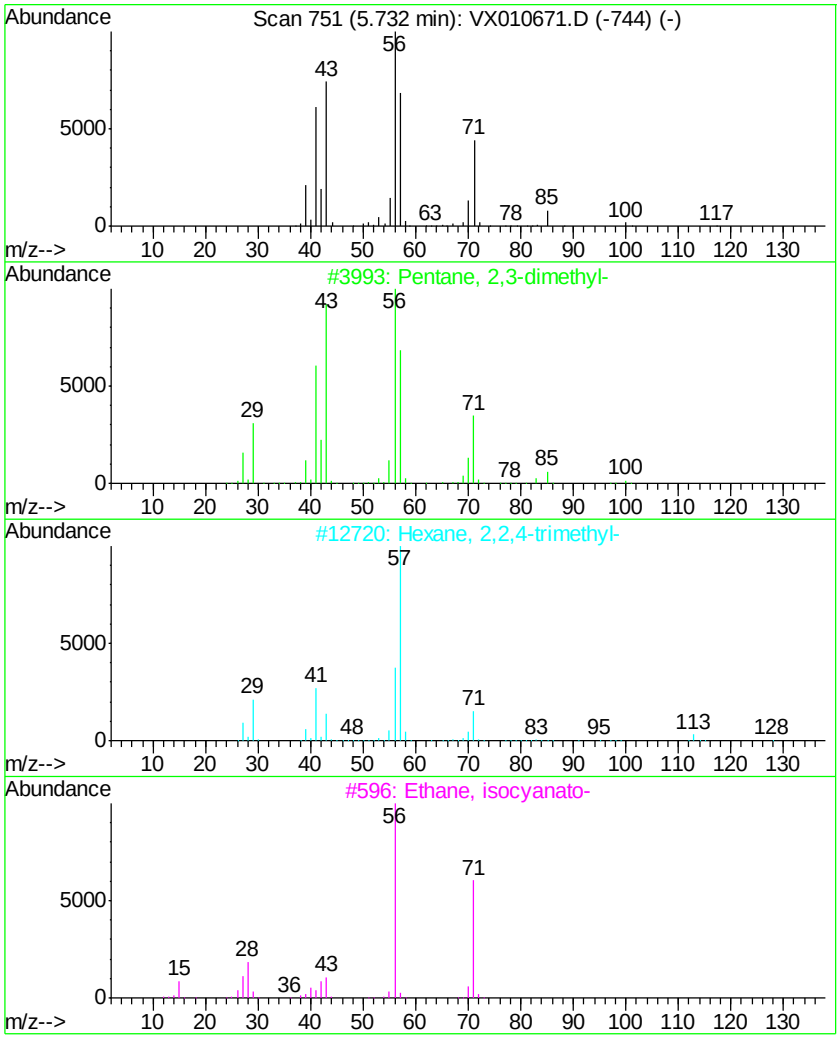
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

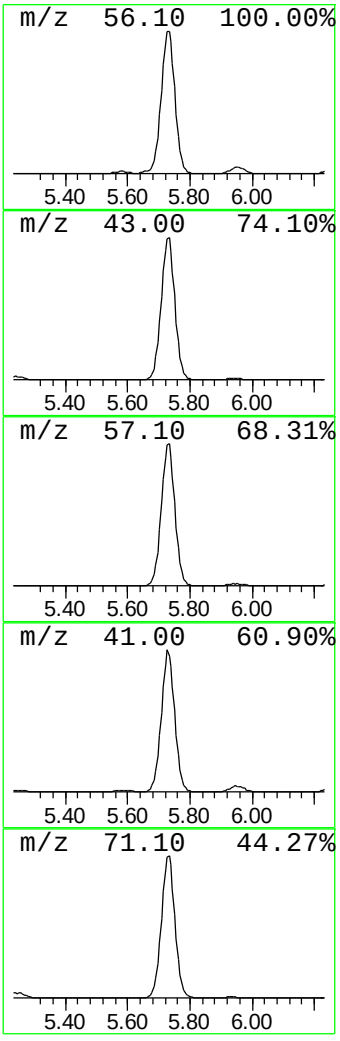
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	129.21 ug/l	1657210	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42
3	Ethane, isocyanato-	71	C3H5NO	000109-90-0	42
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

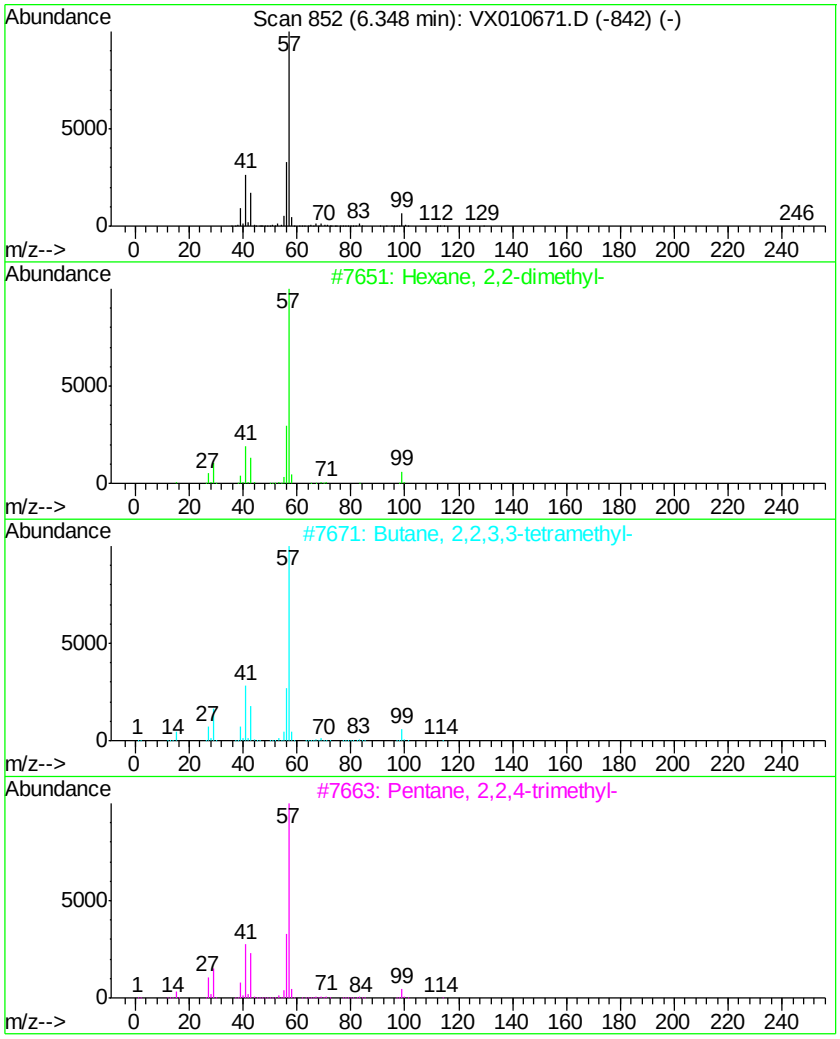
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

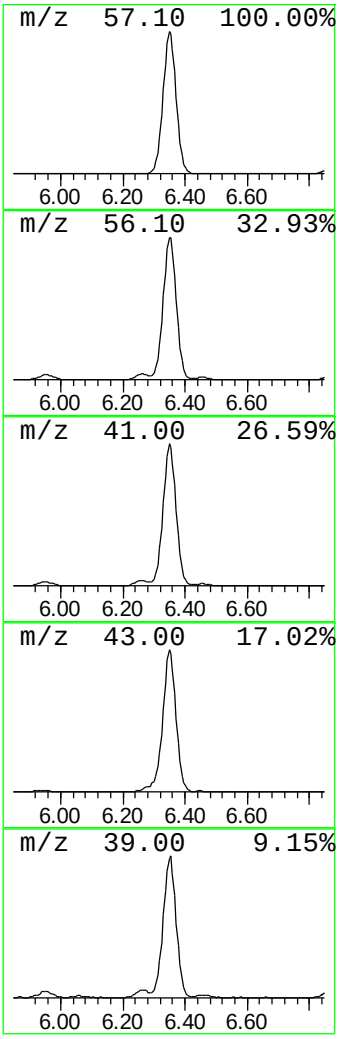
****

Peak Number 6 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	176.08 ug/l	2850550	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

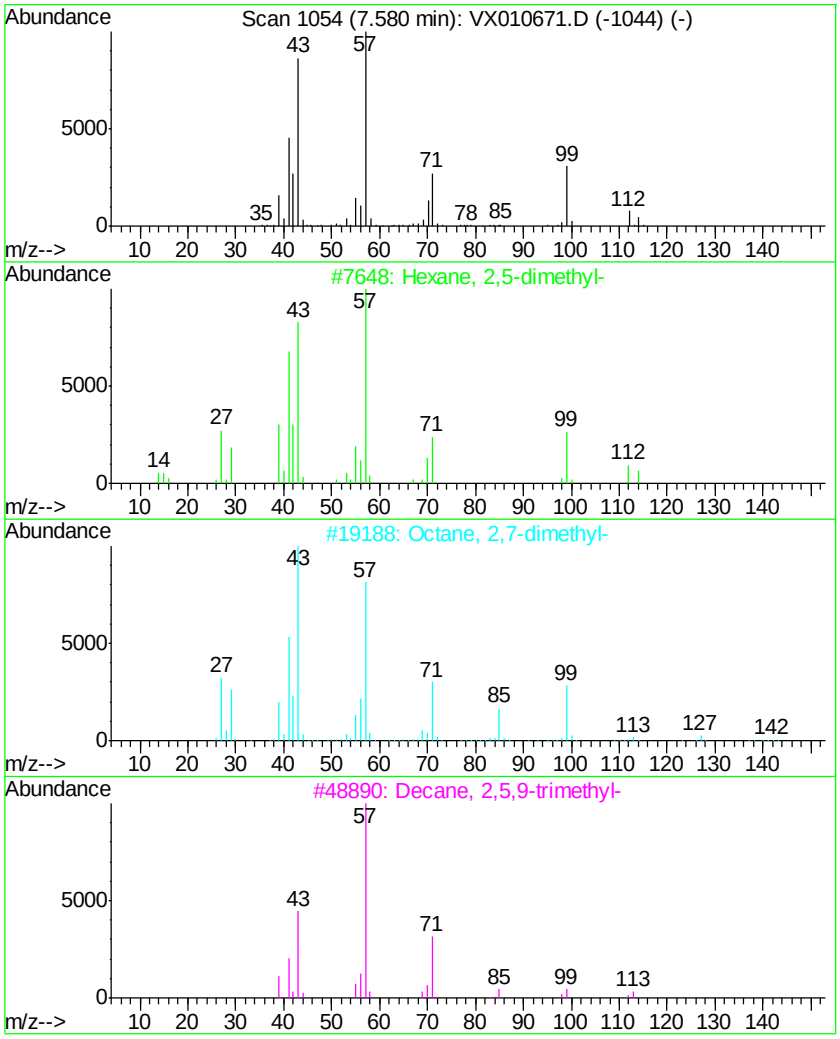
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

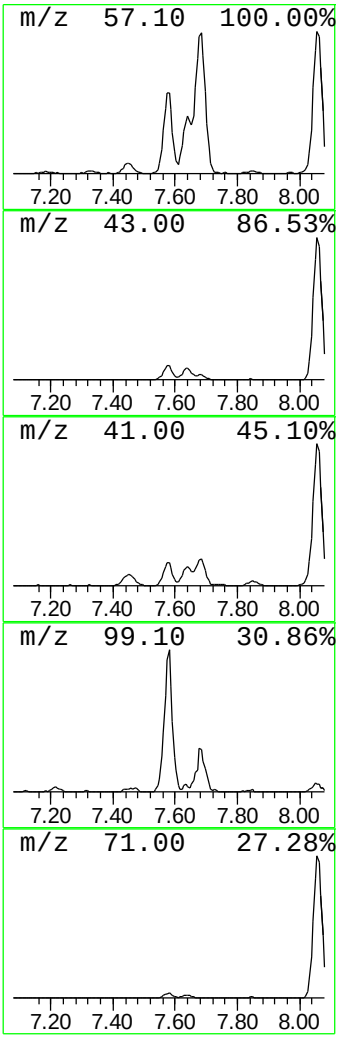
****

Peak Number 7 Hexane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	11.35 ug/l	183793	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	59
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47
5	Oxalic acid, heptyl propyl ester	230	C12H22O4	1000309-26-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

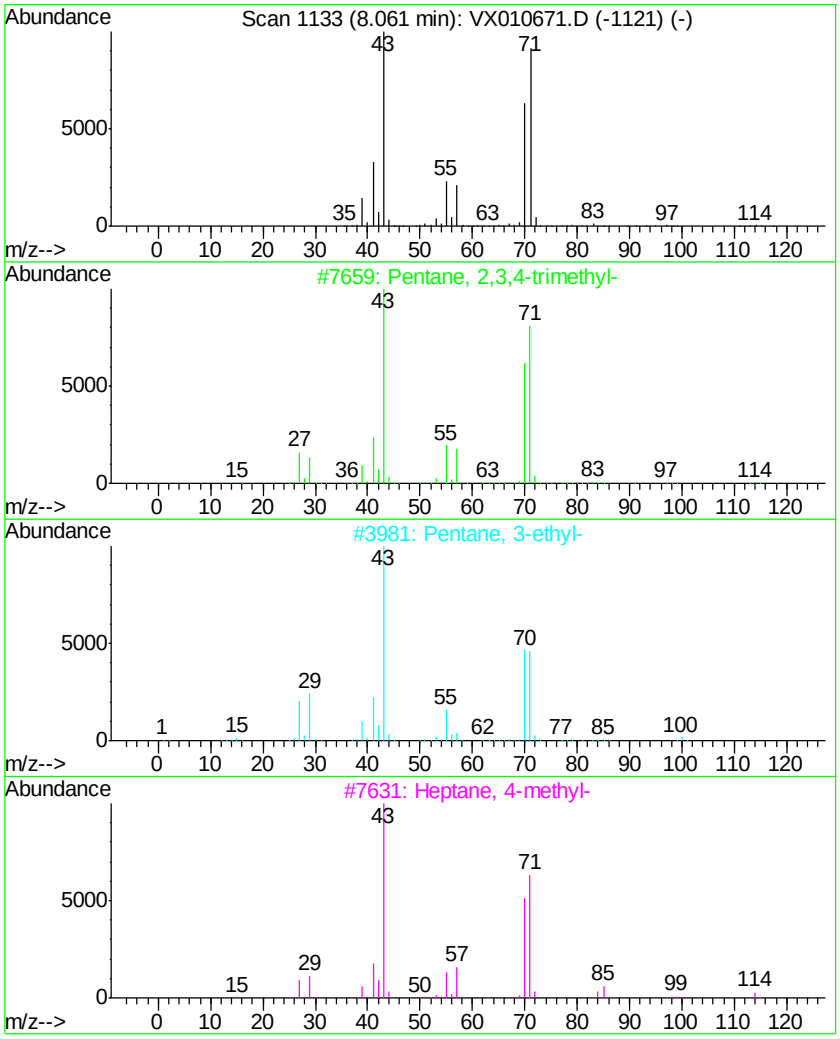
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

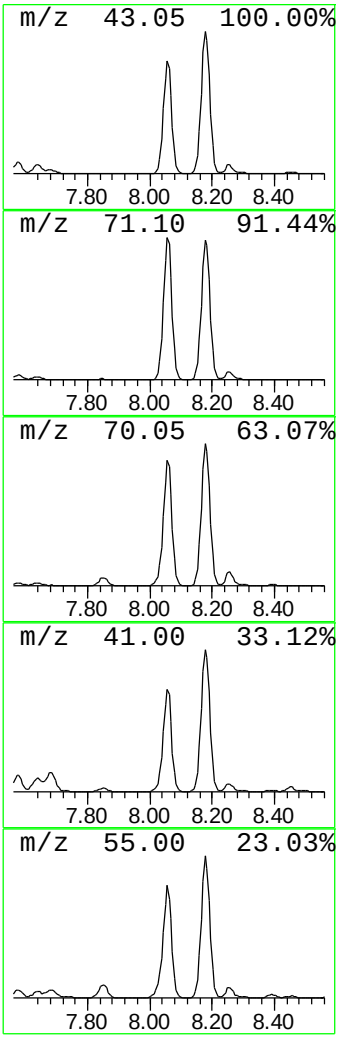
****

Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	83.48 ug/l	1351440	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	78
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	72





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Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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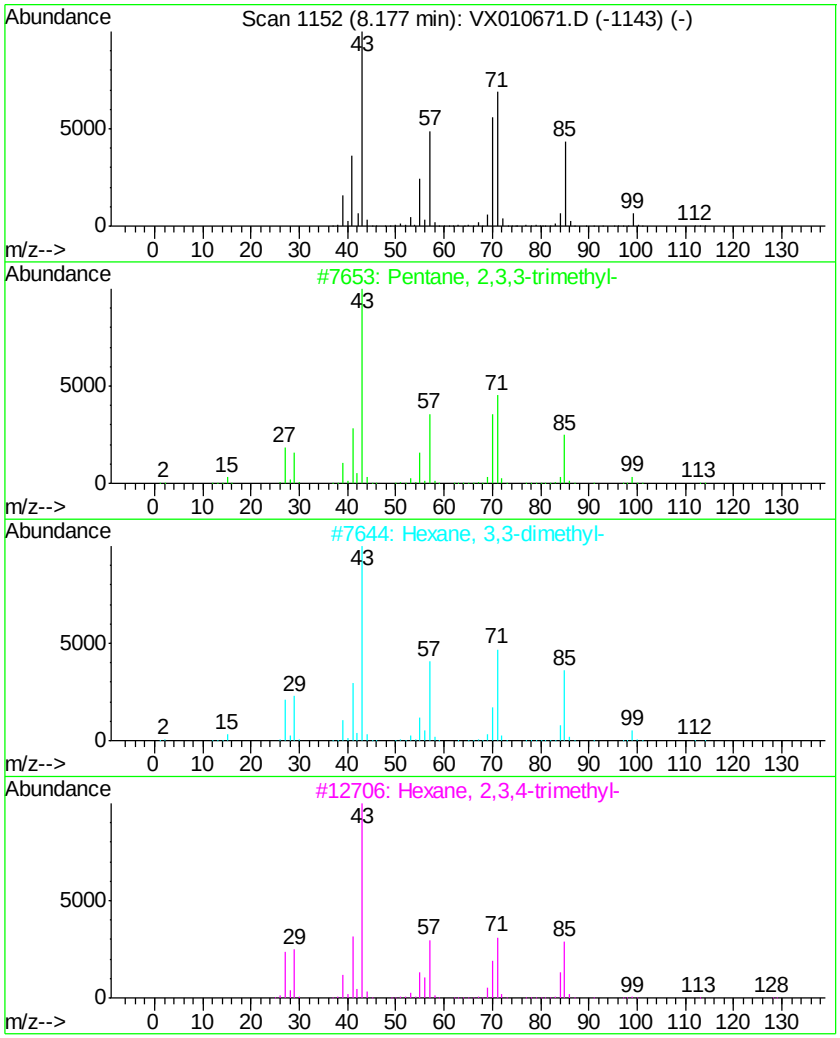
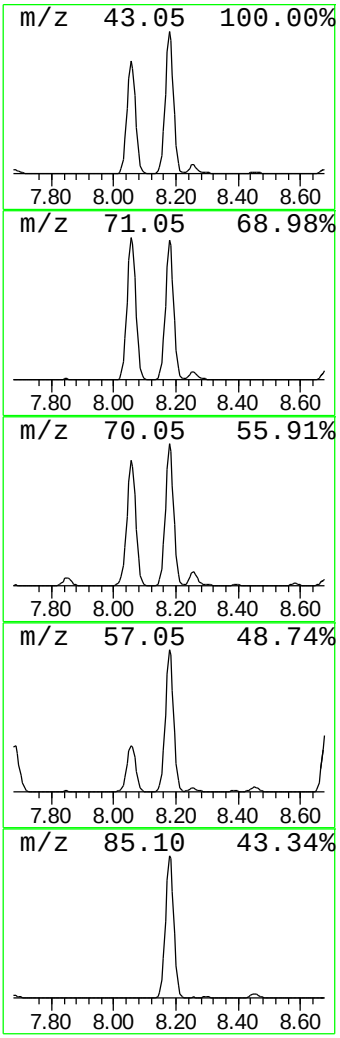
Peak Number 9 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	120.70 ug/l	1953960	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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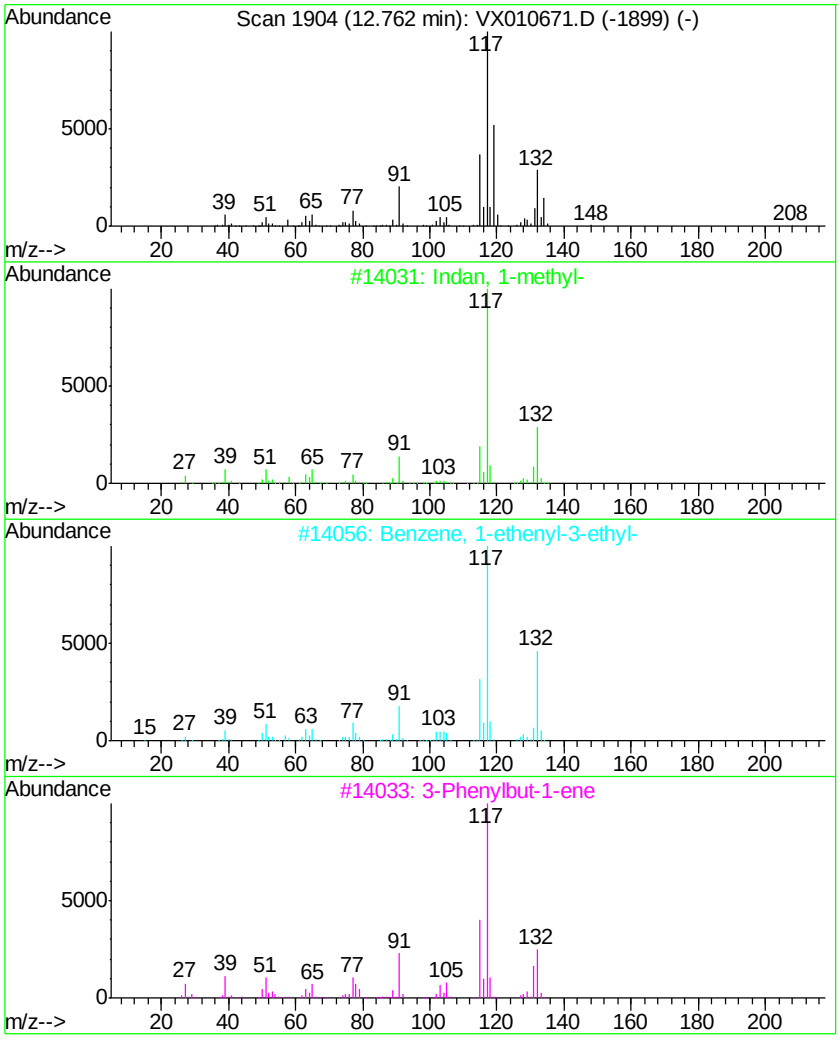
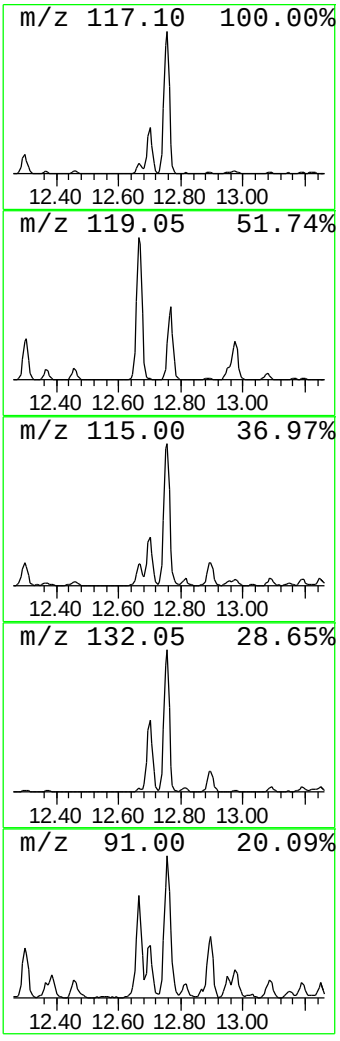
Peak Number 10 Indan, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	17.26 ug/l	329805	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010671.D
Acq On : 04 Jul 2019 06:41
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	1.79	51.1	ug/l	655815	1	5.67	641304	50.0
Butane, 2,3-dimet...	2.84	107.2	ug/l	1374420	1	5.67	641304	50.0
Pentane, 3-methyl-	3.17	13.8	ug/l	177427	1	5.67	641304	50.0
Pentane, 2,4-dime...	4.31	75.1	ug/l	963580	1	5.67	641304	50.0
Pentane, 2,3-dime...	5.73	129.2	ug/l	1657210	1	5.67	641304	50.0
Hexane, 2,2-dimet...	6.35	176.1	ug/l	2850550	2	6.86	809459	50.0
Hexane, 2,5-dimet...	7.58	11.4	ug/l	183793	2	6.86	809459	50.0
Pentane, 2,3,4-tr...	8.06	83.5	ug/l	1351440	2	6.86	809459	50.0
Pentane, 2,3,3-tr...	8.18	120.7	ug/l	1953960	2	6.86	809459	50.0
Indan, 1-methyl-	12.76	17.3	ug/l	329805	4	12.08	955189	50.0