LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 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	1.788	99	104	115	rVB	373289	538078	22.86%	3.005%
2	2.392	197	203	209	rBV	19945	40804	1.73%	0.228%
3	2.843	268	277	298	rVB	493031	1125084	47.79%	6.284%
4	3.172	321	331	342	rBV2	60371	143082	6.08%	0.799%
5	4.312	504	518	531	rBV	258335	784509	33.33%	4.382%
6	4.556	546	558	577	rBV4	24251	121231	5.15%	0.677%
7	5.501	700	713	723	rBV	131616	375136	15.94%	2.095%
8	5.665	730	740	744	rBV	216847	622396	26.44%	3.476%
9	5.726	744	750	768	rVB	443330	1350223	57.36%	7.541%
10	5.952	776	787	797	rBV3	26353	82454	3.50%	0.461%
11	6.062	797	805	817	rVV	126532	325309	13.82%	1.817%
12	6.257	826	837	842	rBV2	34408	97751	4.15%	0.546%
13	6.348	842	852	864	rVV	778190	2354064	100.00%	13.148%
14	6.458	864	870	879	rVB4	11179	30614	1.30%	0.171%
15	6.860	926	936	950	rBV	329064	782138	33.23%	4.368%
16	7.214	987	994	1007	rVB3	10516	29772	1.26%	0.166%
17	7.452	1023	1033	1043	rVB2	41806	113614	4.83%	0.635%
18	7.580	1043	1054	1059	rBV	71360	154431	6.56%	0.863%
19	7.635	1059	1063	1067	rVV	55097	119724	5.09%	0.669%
20	7.683	1067	1071	1077	rVB	71782	138407	5.88%	0.773%
21	7.848	1090	1098	1105	rVB3	22692	46187	1.96%	0.258%
22	8.055	1120	1132	1141	rBV	574222	1121454	47.64%	6.264%
23	8.177	1143	1152	1160	rBV	851596	1632727	69.36%	9.119%
24	8.256	1160	1165	1170	rVV	42827	79195	3.36%	0.442%
25	8.451	1191	1197	1202	rBV2	16756	30687	1.30%	0.171%
26	8.677	1226	1234	1236	rBV	113107	197272	8.38%	1.102%
27	8.714	1236	1240	1255	rVB	723642	1118478	47.51%	6.247%
28	8.835	1255	1260	1265	rBV	22057	37713	1.60%	0.211%
29	9.037	1288	1293	1300	rVB	28937	49223	2.09%	0.275%
30	9.165	1306	1314	1320	rVB3	16594	34013	1.44%	0.190%
31	10.110	1463	1469	1479	rBV2	705622	1141171	48.48%	6.374%
32	10.658	1546	1559	1563	rBV6	12608	34768	1.48%	0.194%
33	10.835	1574	1588	1595	rBV3	14410	33688	1.43%	0.188%
34	11.067	1622	1626	1632	rVV	16473	23995	1.02%	0.134%

LSC Area Percent Report

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Data File : VX010695.D
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Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 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	11.134	1632	1637	1642	rVV	589202	758254	32.21%	4.235%
36	11.670	1720	1725	1732	rVB2	16634	24684	1.05%	0.138%
37	11.768	1733	1741	1745	rBV	29405	40664	1.73%	0.227%
38	11.920	1758	1766	1768	rBV	44070	66753	2.84%	0.373%
39	11.945	1768	1770	1775	rVB	42690	47655	2.02%	0.266%
40	12.073	1786	1791	1804	rVB	707315	942983	40.06%	5.267%
41	12.231	1812	1817	1822	rVB	93151	113451	4.82%	0.634%
42	12.298	1822	1828	1834	rBV	72522	90410	3.84%	0.505%
43	12.365	1834	1839	1849	rVB5	21683	44054	1.87%	0.246%
44	12.457	1849	1854	1859	rBV	18042	26340	1.12%	0.147%
45	12.664	1881	1888	1891	rBV	108032	135414	5.75%	0.756%
46	12.701	1891	1894	1898	rVV	70400	91914	3.90%	0.513%
47	12.756	1898	1903	1909	rVV2	181575	281484	11.96%	1.572%
48	12.896	1917	1926	1931	rVB	62608	92998	3.95%	0.519%
49	12.975	1936	1939	1944	rVB	33882	44594	1.89%	0.249%
50	13.085	1951	1957	1962	rVB2	19480	31838	1.35%	0.178%
51	13.347	1995	2000	2006	rVB2	57796	79158	3.36%	0.442%
52	13.646	2044	2049	2052	rBV2	18297	26160	1.11%	0.146%
53	13.694	2052	2057	2059	rVV3	17887	29712	1.26%	0.166%
54	13.719	2059	2061	2071	rVB2	19217	26290	1.12%	0.147%

Sum of corrected areas: 17904202

LSC Report - Integrated Chromatogram

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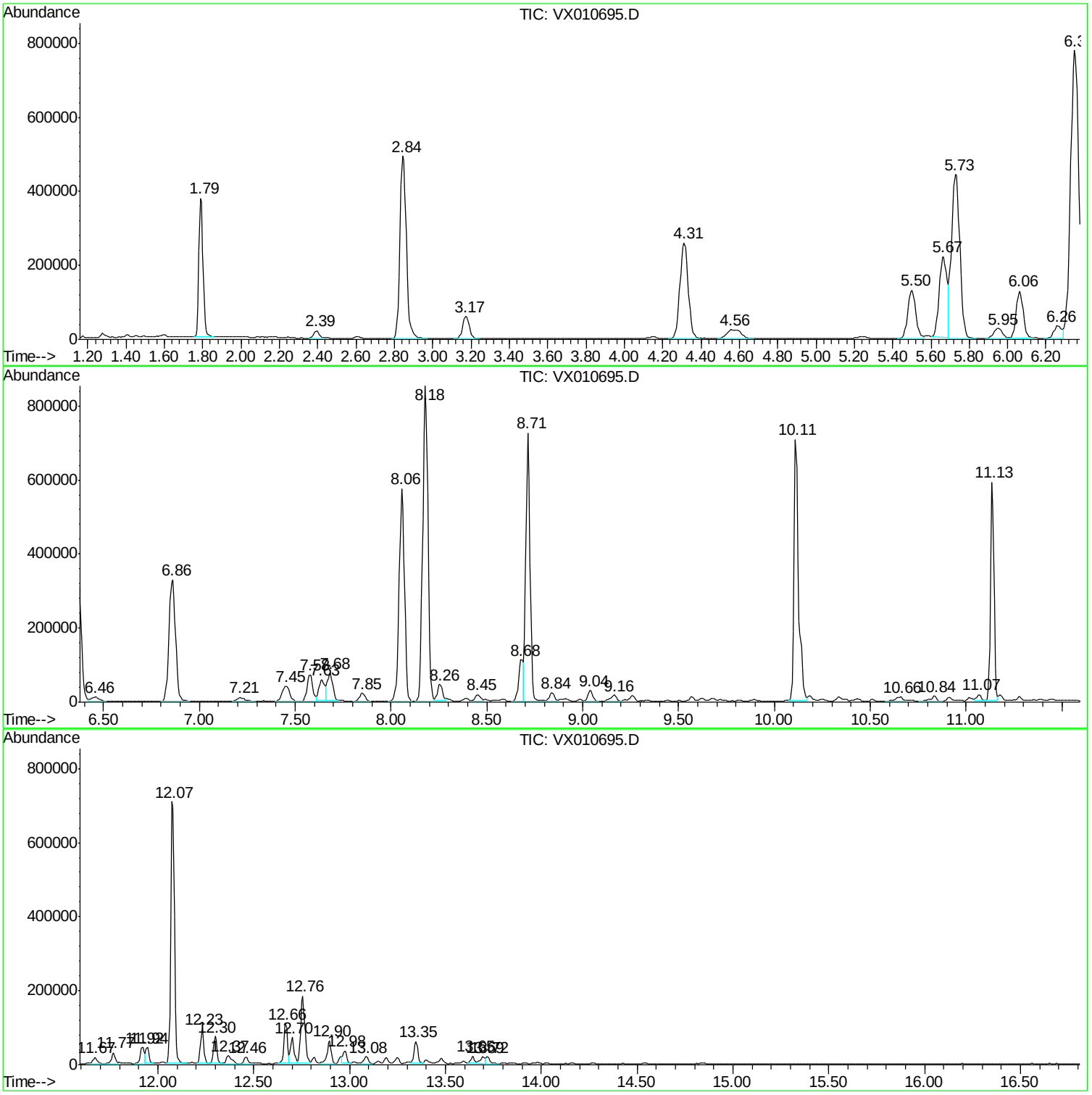
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW038-190701

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

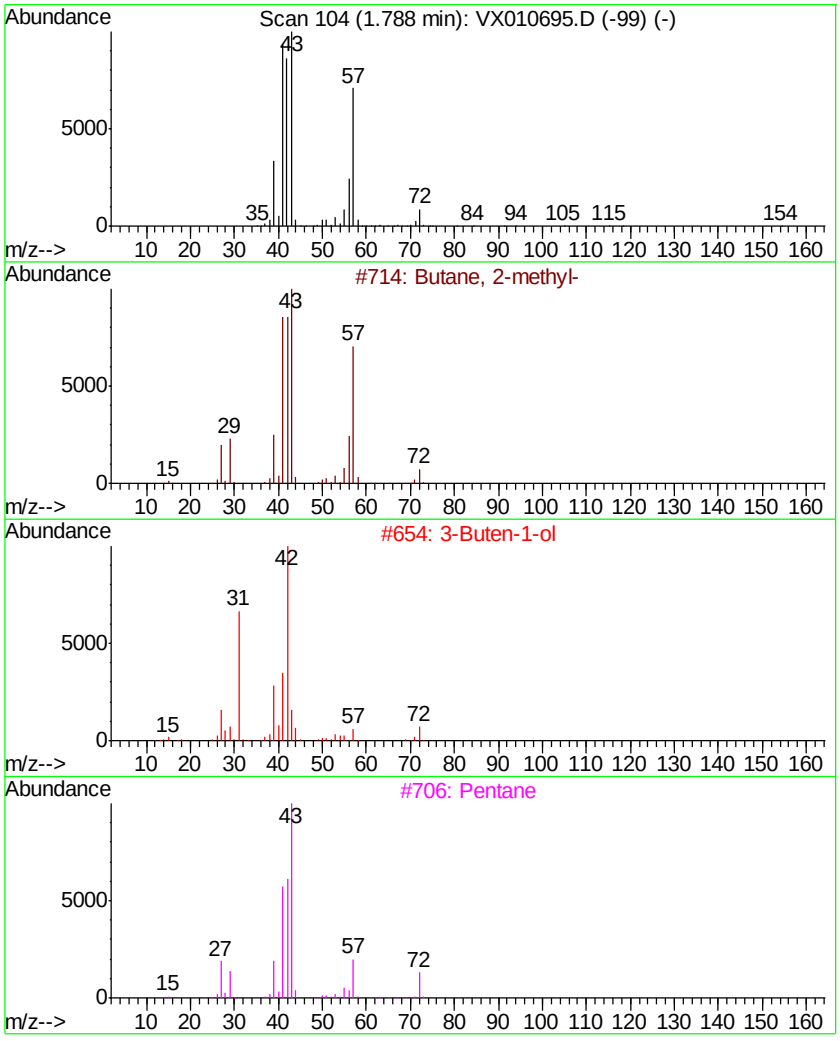
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

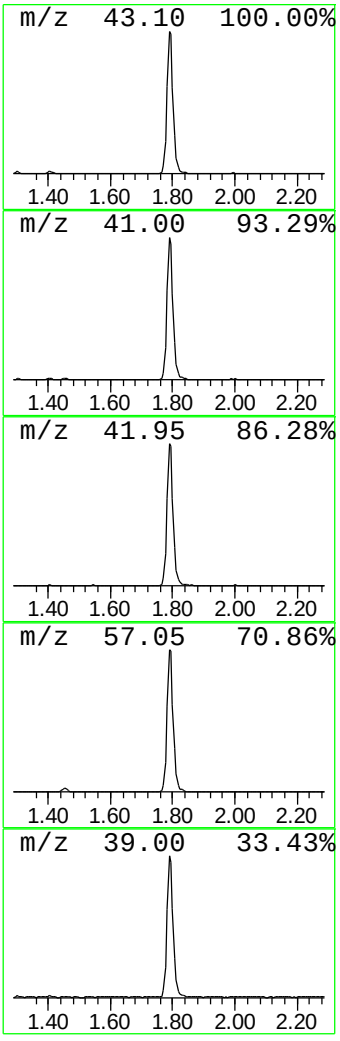
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	43.23 ug/l	538078	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	42
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 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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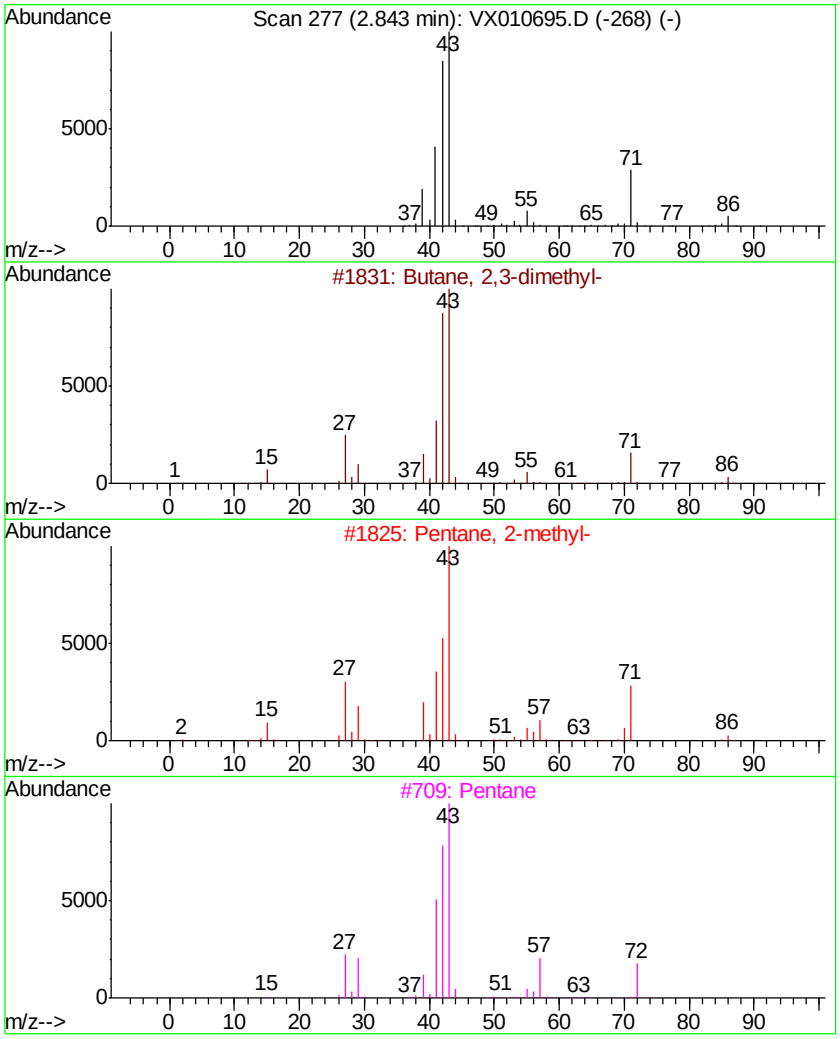
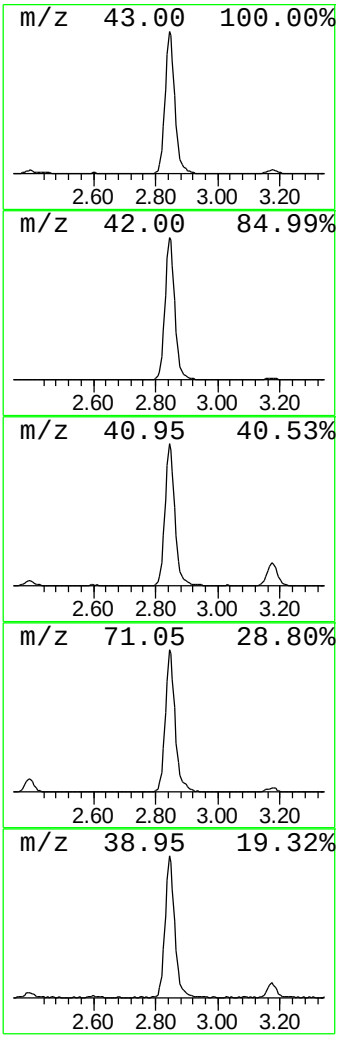
Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	90.38 ug/l	1125080	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Pentane	72	C5H12	000109-66-0	38
4	Pyrrolidine	71	C4H9N	000123-75-1	22
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

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

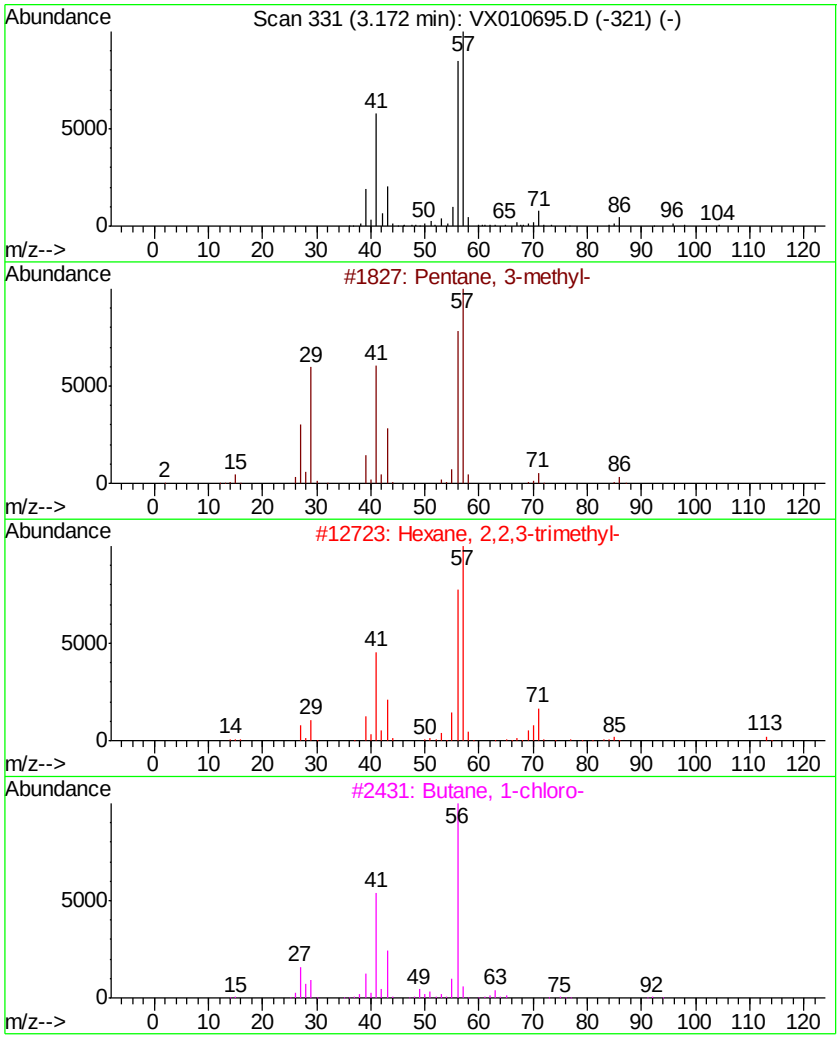
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

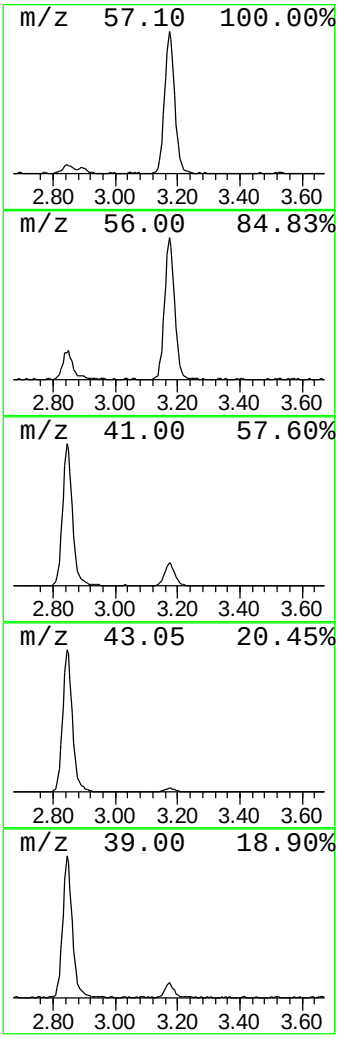
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	11.49 ug/l	143082	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
3	Butane, 1-chloro-	92	C4H9Cl	000109-69-3	53
4	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	42
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

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

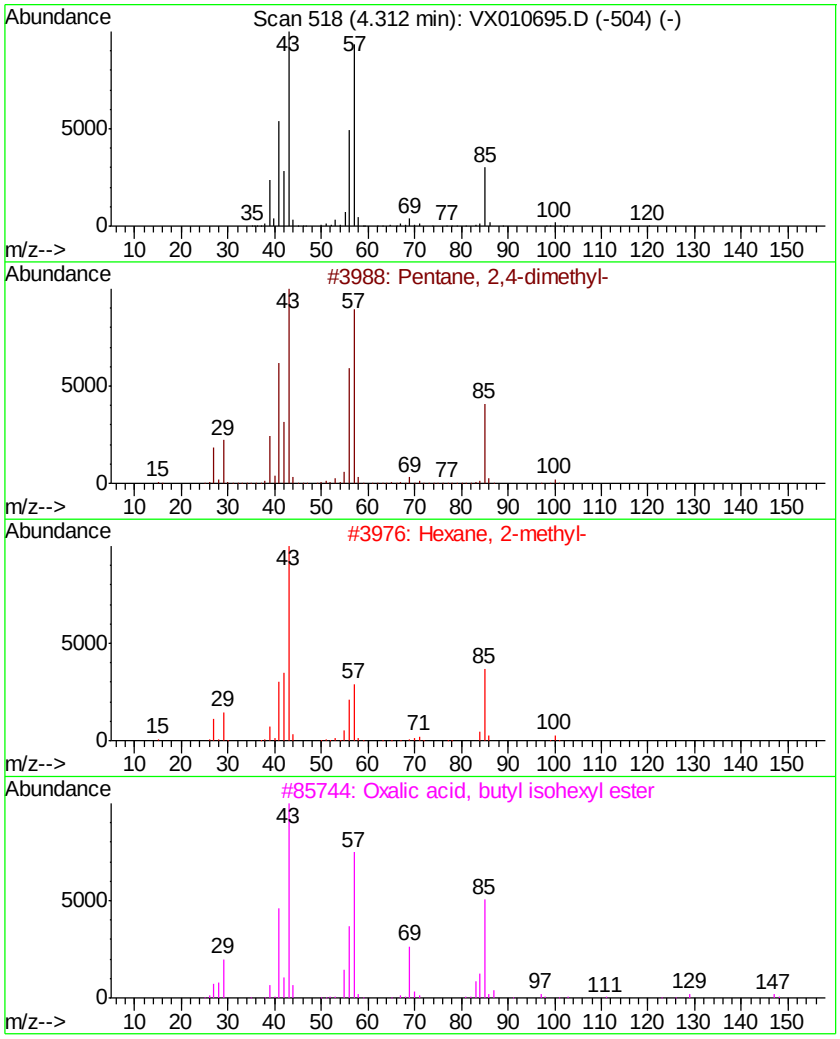
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

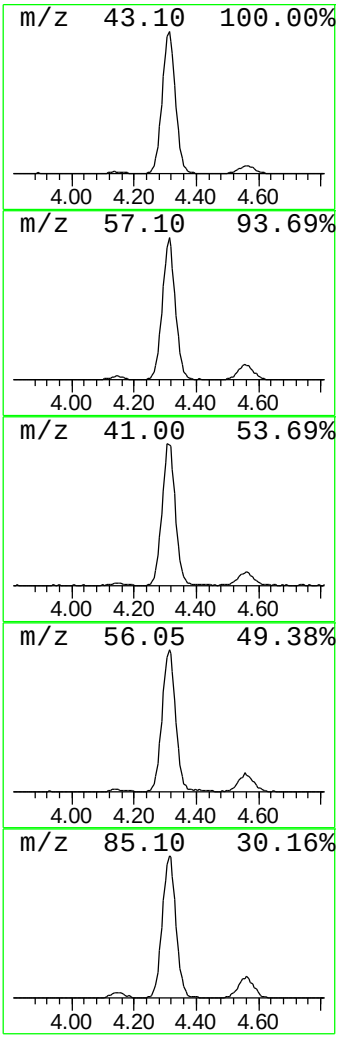
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	63.02 ug/l	784509	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	72
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

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

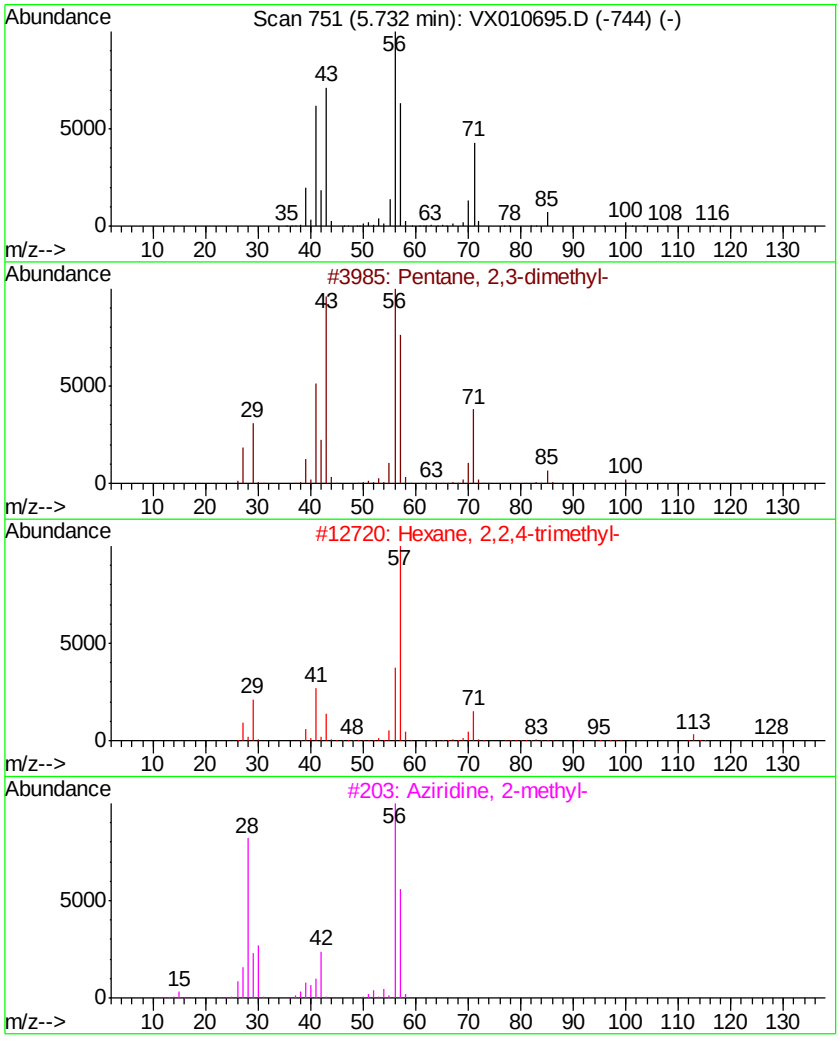
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

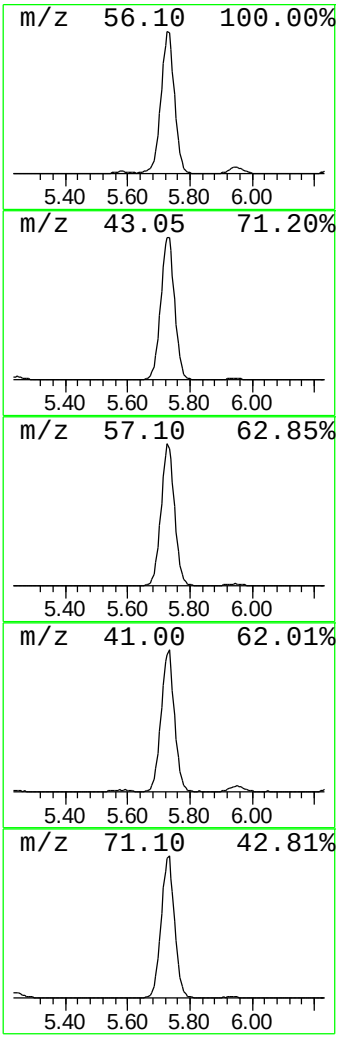
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	108.47 ug/l	1350220	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	45
3	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	38
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
5	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	38





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Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

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

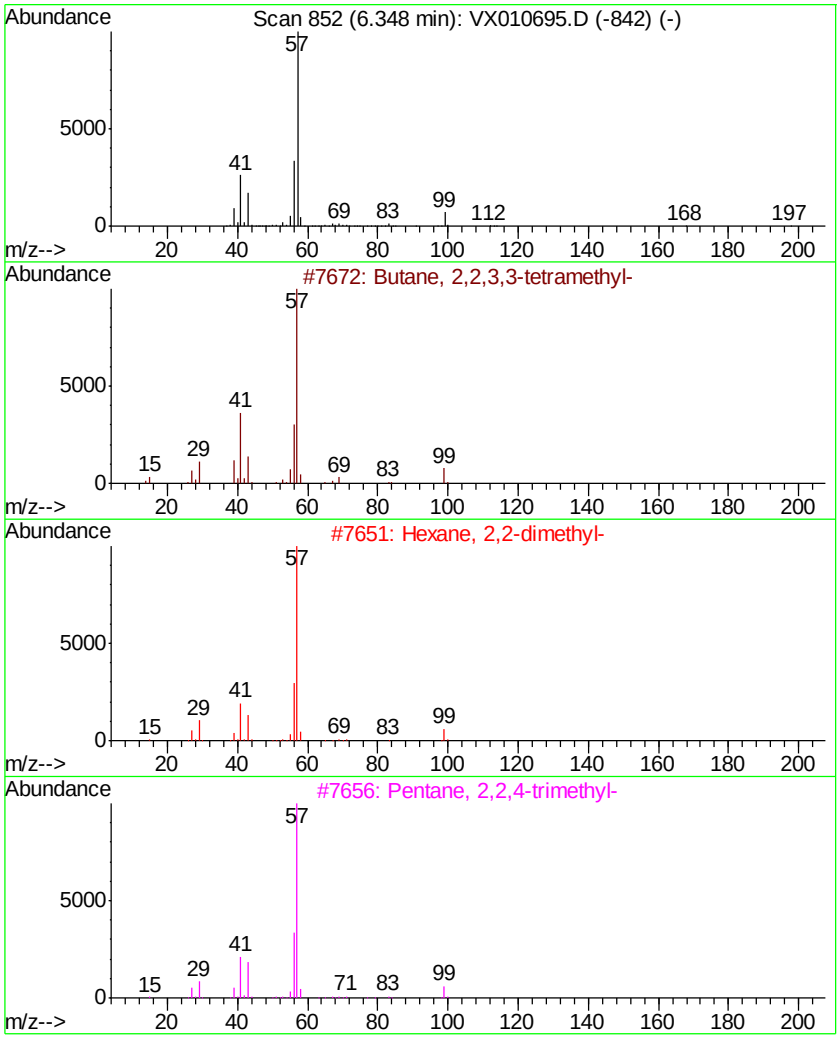
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

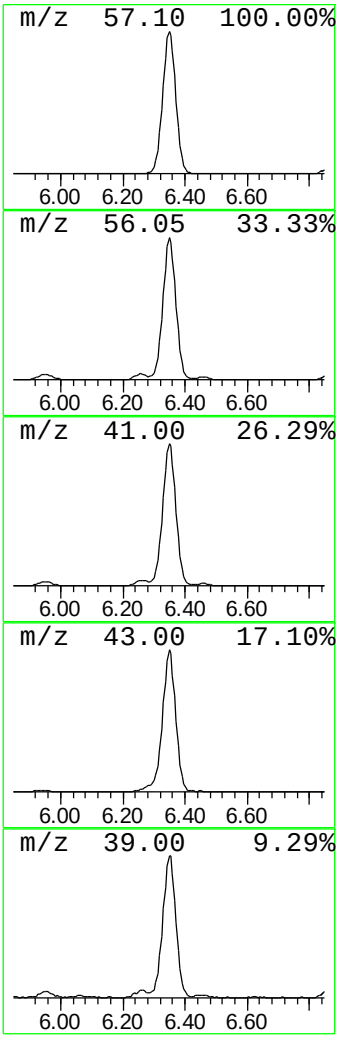
****

Peak Number 6 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	150.49 ug/l	2354060	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	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





Library Search Compound Report

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Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

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

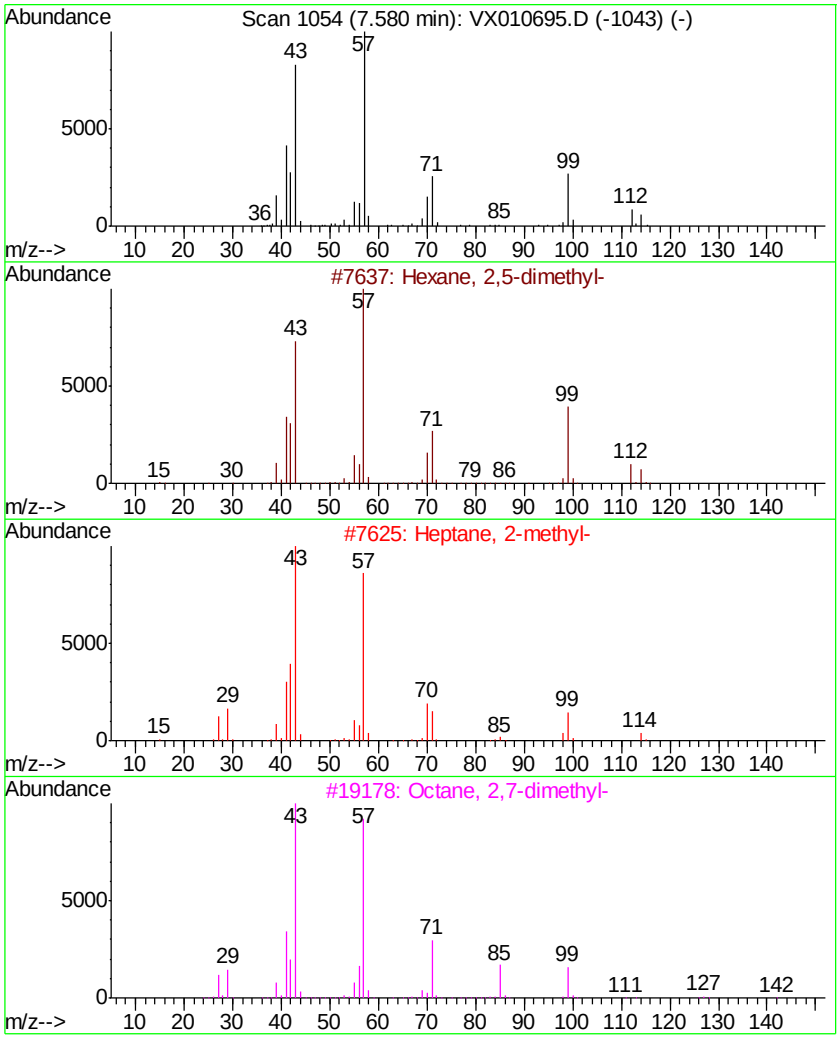
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

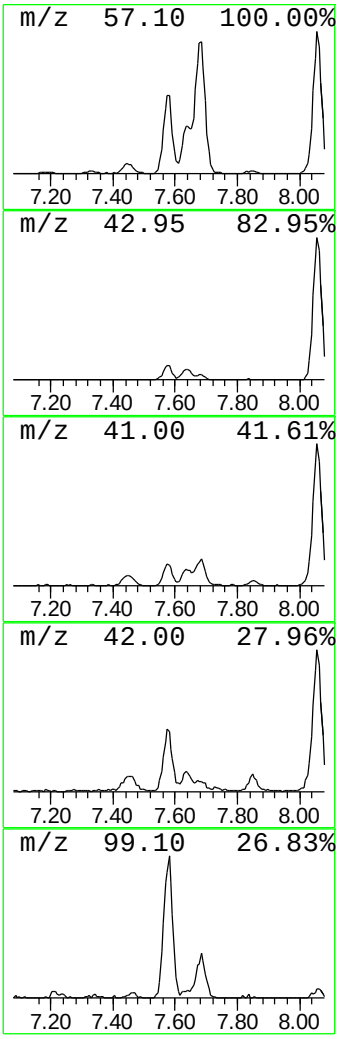
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	9.87 ug/l	154431	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	93
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
4	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47
5	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW038-190701

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

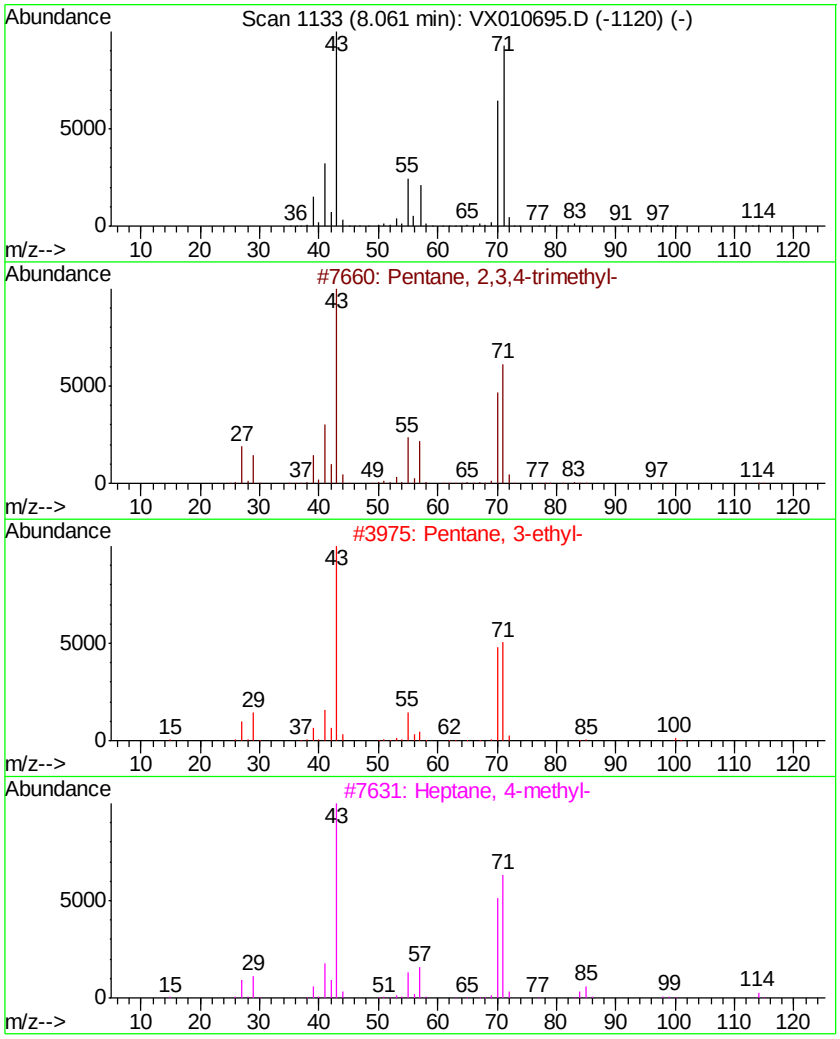
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

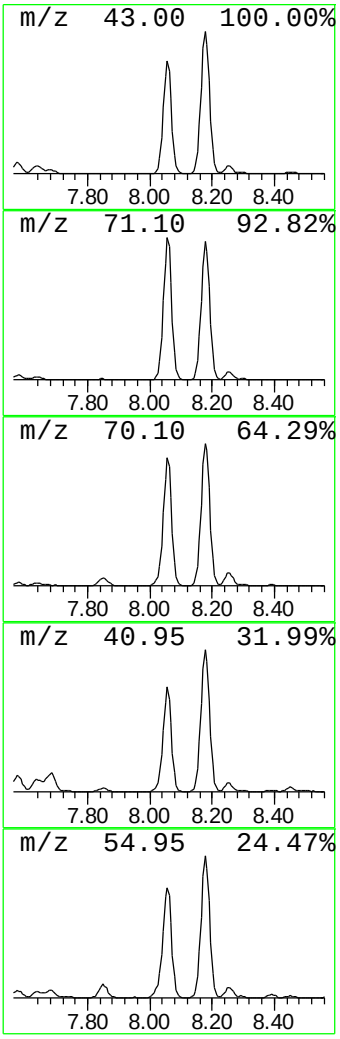
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	71.69 ug/l	1121450	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	91
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	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 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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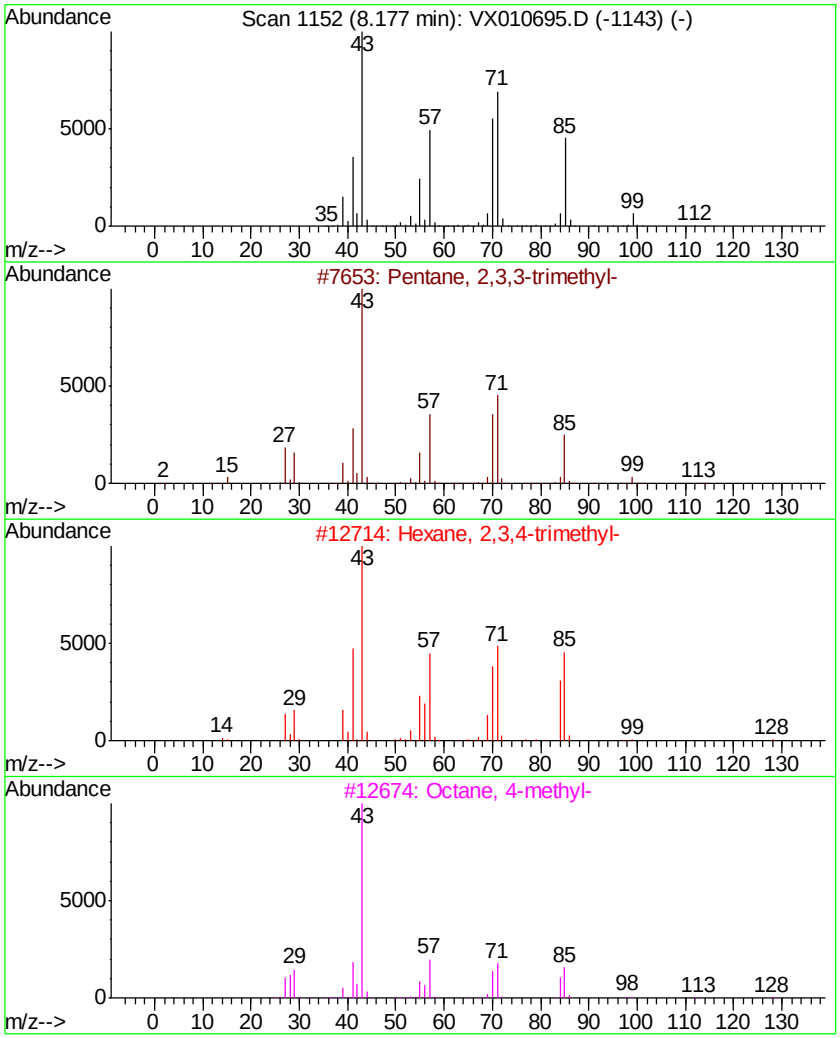
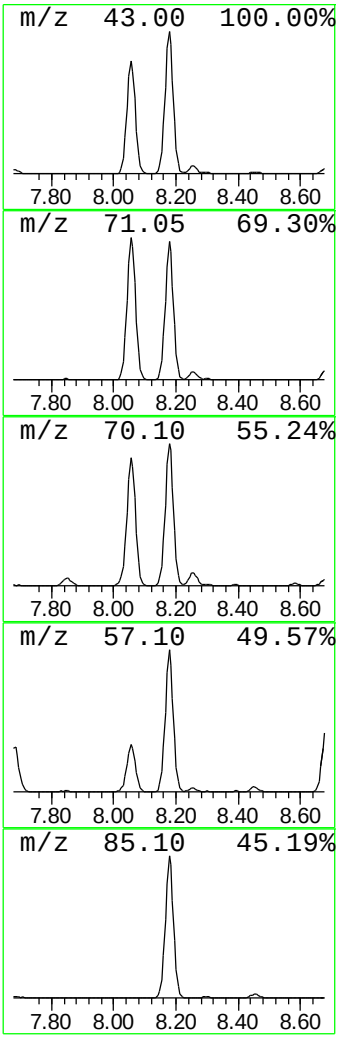
Peak Number 9 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	104.38 ug/l	1632730	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, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 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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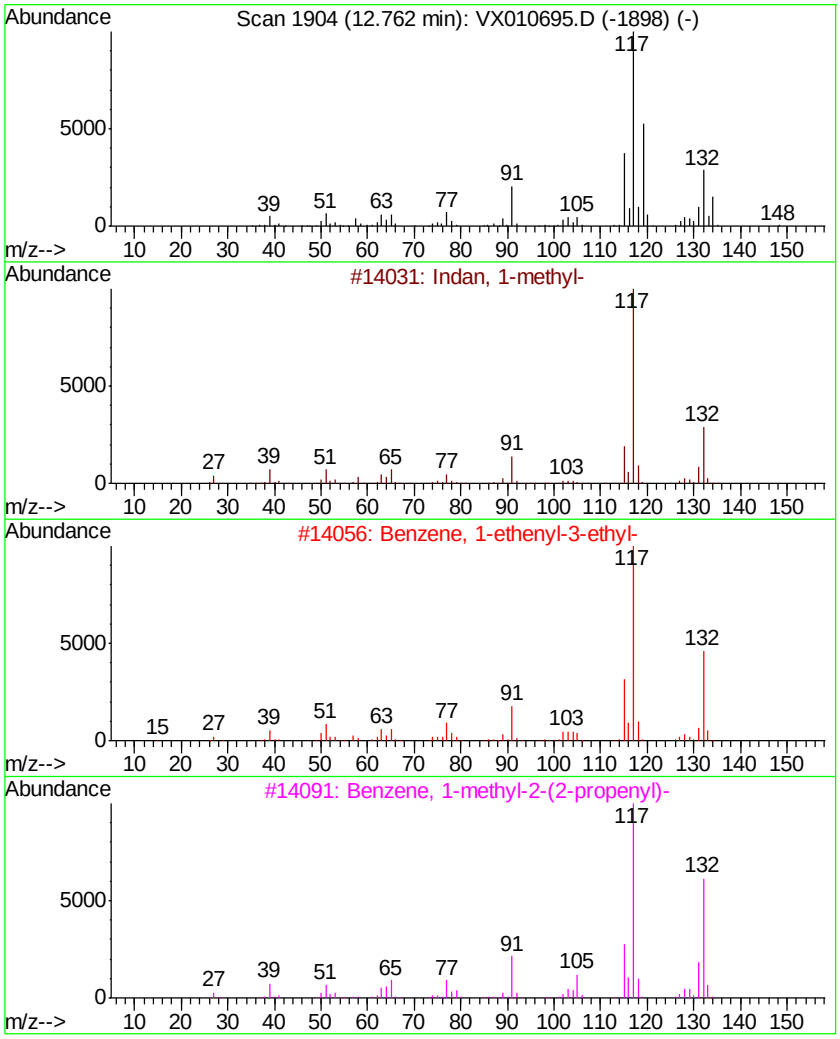
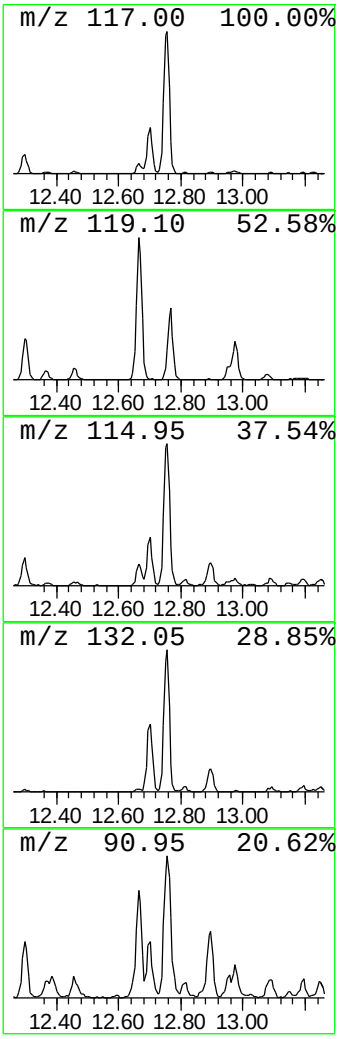
Peak Number 10 Indan, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	14.93 ug/l	281484	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	80
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010695.D
Acq On : 08 Jul 2019 15:02
Operator : JC/SP
Sample : K3669-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 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	43.2	ug/l	538078	1	5.67	622396	50.0
Butane, 2,3-dimet...	2.84	90.4	ug/l	1125080	1	5.67	622396	50.0
Pentane, 3-methyl-	3.17	11.5	ug/l	143082	1	5.67	622396	50.0
Pentane, 2,4-dime...	4.31	63.0	ug/l	784509	1	5.67	622396	50.0
Pentane, 2,3-dime...	5.73	108.5	ug/l	1350220	1	5.67	622396	50.0
Butane, 2,2,3,3-t...	6.35	150.5	ug/l	2354060	2	6.86	782138	50.0
Hexane, 2,5-dimet...	7.58	9.9	ug/l	154431	2	6.86	782138	50.0
Pentane, 2,3,4-tr...	8.06	71.7	ug/l	1121450	2	6.86	782138	50.0
Pentane, 2,3,3-tr...	8.18	104.4	ug/l	1632730	2	6.86	782138	50.0
Indan, 1-methyl-	12.76	14.9	ug/l	281484	4	12.08	942983	50.0