LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

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\82X100819W.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	1.070	26	30	40	rBV	1016197	1213217	100.00%	15.400%
2	1.265	59	62	68	rBV	19024	28086	2.32%	0.357%
3	1.399	80	84	90	rBV	207282	206993	17.06%	2.628%
4	1.783	141	147	160	rVB	378649	518914	42.77%	6.587%
5	1.991	176	181	193	rVB	23720	35575	2.93%	0.452%
6	2.594	270	280	296	rBV	60244	114094	9.40%	1.448%
7	2.832	310	319	326	rBV	91202	213029	17.56%	2.704%
8	3.161	362	373	386	rVB2	29330	69707	5.75%	0.885%
9	4.301	549	560	567	rBV3	14619	44337	3.65%	0.563%
10	4.393	567	575	587	rVB2	30779	86911	7.16%	1.103%
11	4.588	591	607	616	rBV2	30074	90752	7.48%	1.152%
12	5.490	743	755	762	rBV2	98672	282174	23.26%	3.582%
13	5.569	762	768	774	rVV2	22864	56809	4.68%	0.721%
14	5.654	774	782	791	rVV	173497	468402	38.61%	5.946%
15	6.051	838	847	858	rBV	117007	303159	24.99%	3.848%
16	6.130	858	860	868	rVV2	7115	14987	1.24%	0.190%
17	6.258	870	881	885	rVV7	6641	21426	1.77%	0.272%
18	6.343	885	895	906	rVV	65476	201283	16.59%	2.555%
19	6.447	906	912	923	rVB4	7809	19784	1.63%	0.251%
20	6.849	967	978	992	rBV	282363	670366	55.26%	8.510%
21	7.209	1030	1037	1044	rBV3	6790	14252	1.17%	0.181%
22	7.459	1065	1078	1089	rBV2	43446	96955	7.99%	1.231%
23	8.050	1166	1175	1184	rVB	39401	81348	6.71%	1.033%
24	8.172	1187	1195	1205	rBV2	66213	129930	10.71%	1.649%
25	8.709	1267	1283	1292	rBV	568909	911739	75.15%	11.574%
26	9.032	1330	1336	1342	rVB3	8881	14351	1.18%	0.182%
27	10.111	1507	1513	1522	rBV	516168	724239	59.70%	9.193%
28	10.251	1530	1536	1542	rVB	22700	31860	2.63%	0.404%
29	10.355	1545	1553	1559	rVV4	7331	13485	1.11%	0.171%
30	11.013	1656	1661	1666	rVB	10489	13065	1.08%	0.166%
31	11.135	1675	1681	1695	rBV	412840	519172	42.79%	6.590%
32	12.074	1829	1835	1842	rBV	496480	605386	49.90%	7.685%
33	12.294	1864	1871	1877	rBV2	16117	24807	2.04%	0.315%
34	12.751	1942	1946	1954	rVB2	11236	18130	1.49%	0.230%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

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\82X100819W.M
Title : SW846 8260

35	13.348	2038	2044	2048	rBV3	9995	19086	1.57%	0.242%

Sum of corrected areas: 7877810

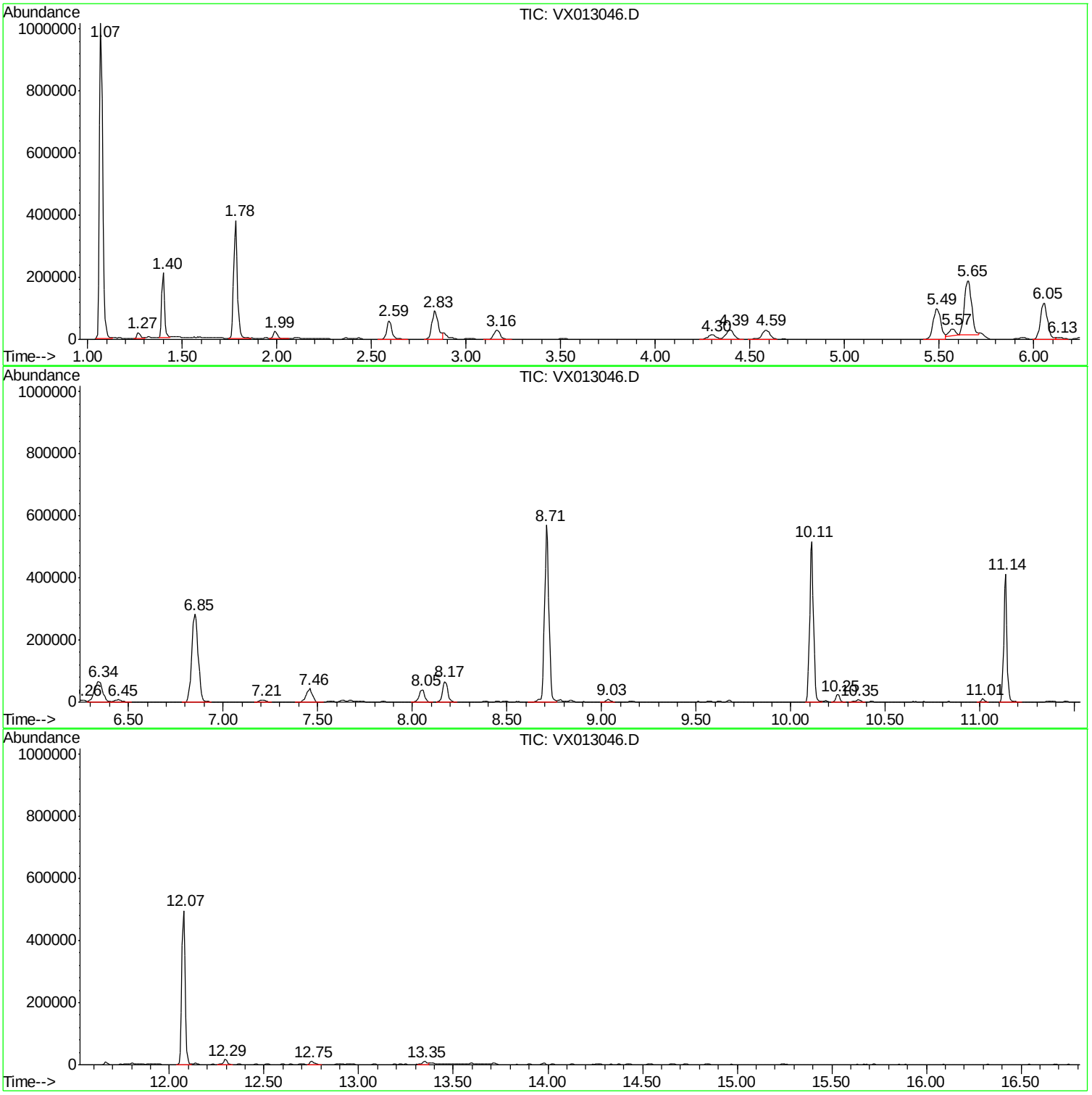
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

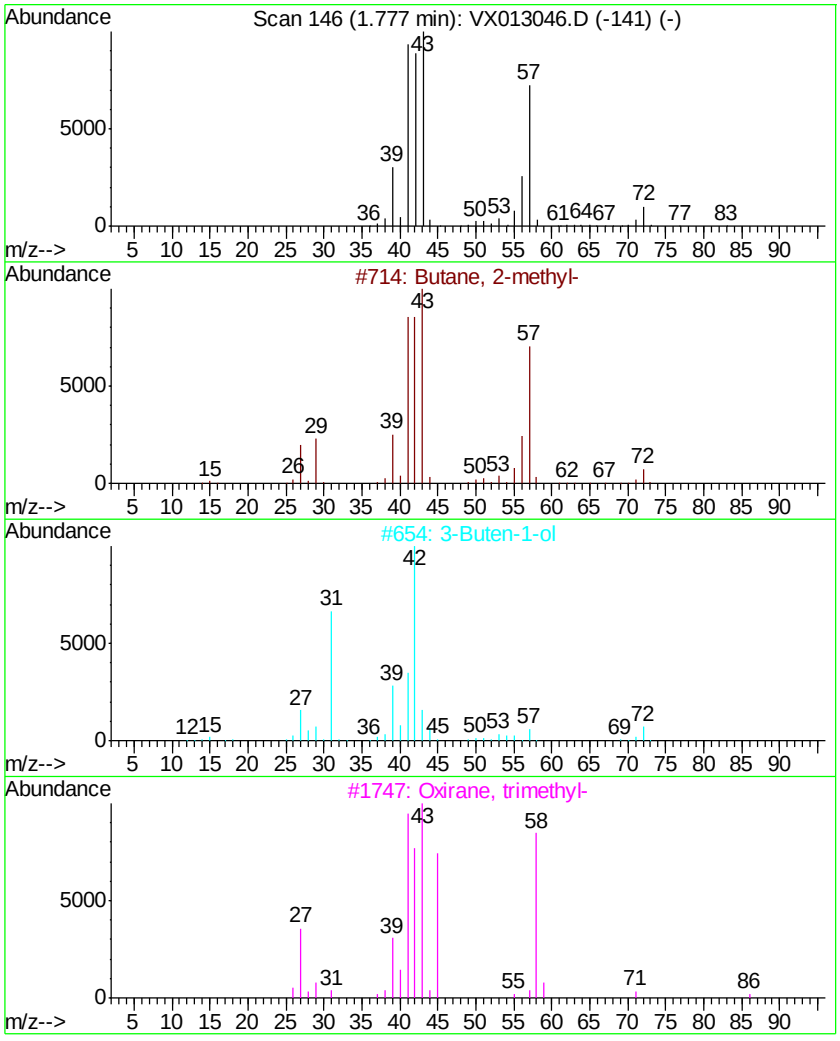
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

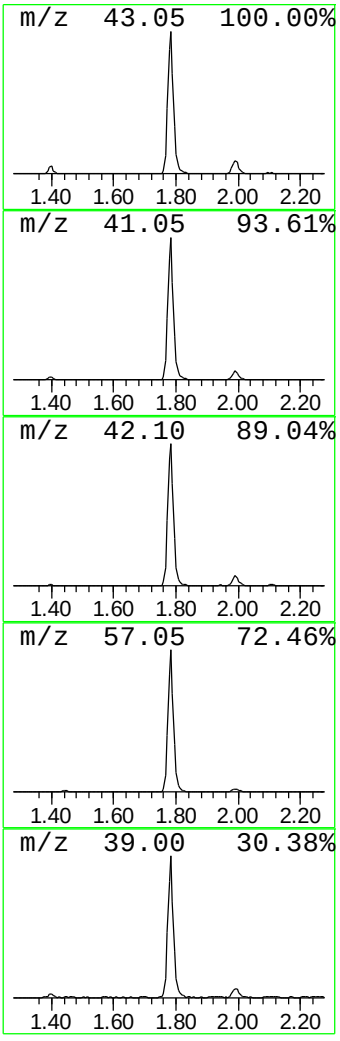
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	55.39 ug/l	518914	Pentafluorobenzene	5.65

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	43
3	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33
4	Pentane	72	C5H12	000109-66-0	32
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

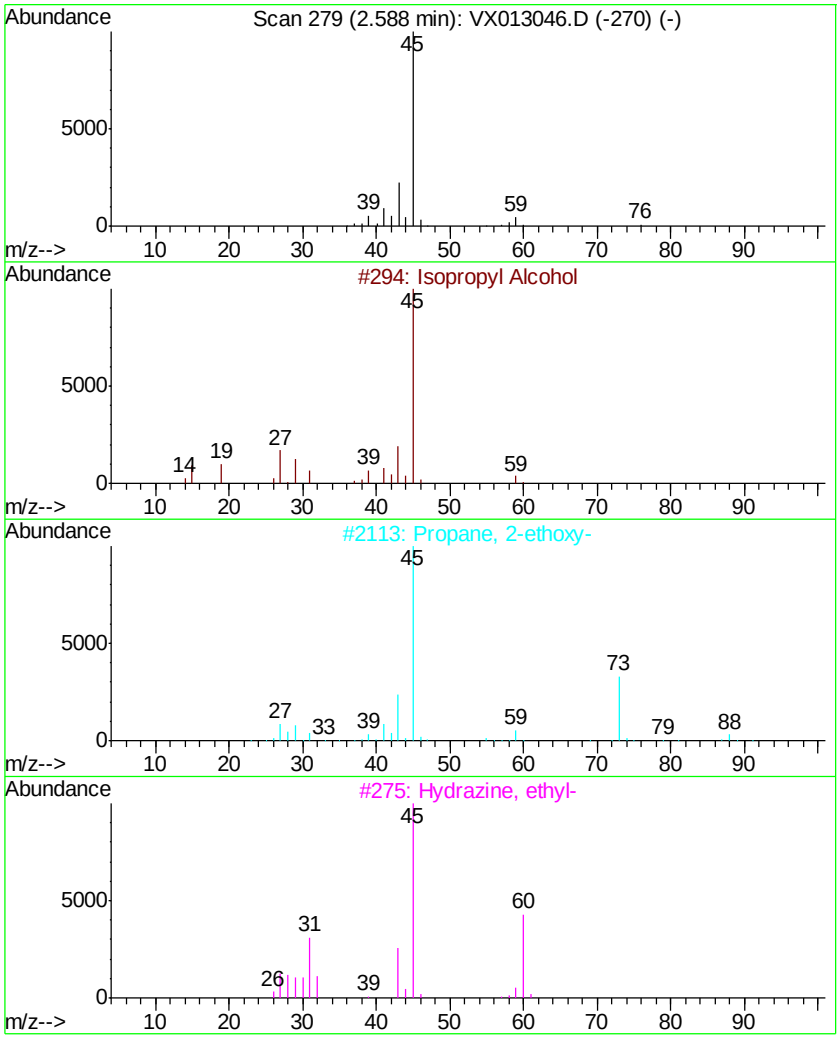
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

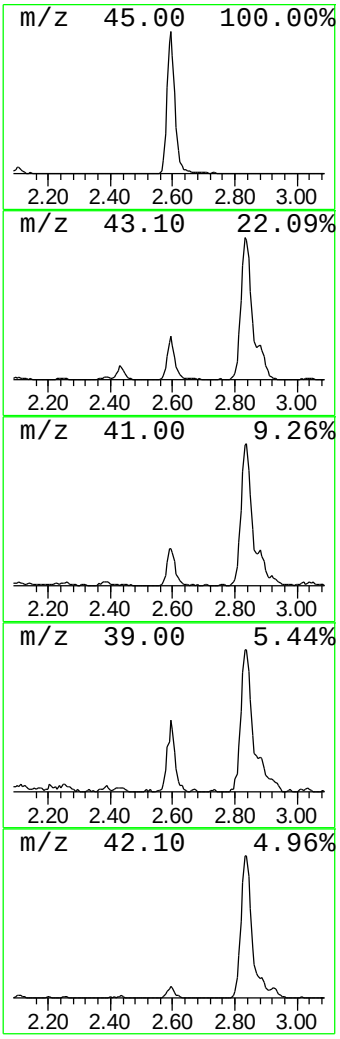
****

Peak Number 3 Isopropyl Alcohol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	12.18 ug/l	114094	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
3	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	40
4	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	40
5	Propylene Glycol	76	C3H8O2	000057-55-6	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

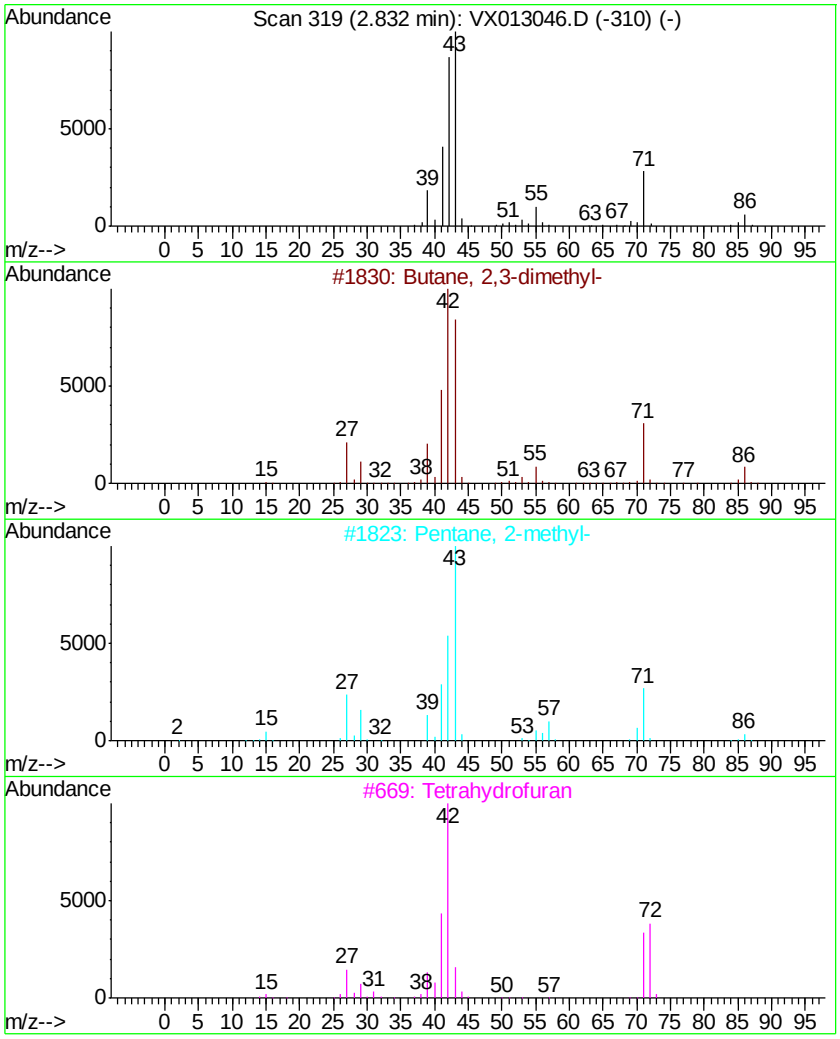
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

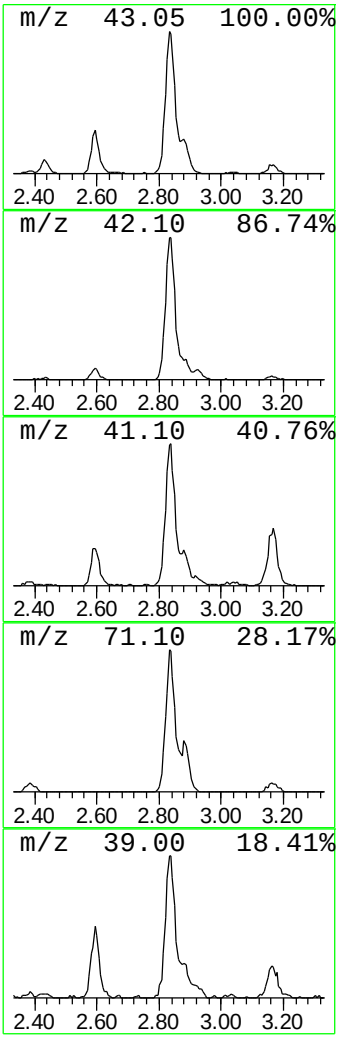
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.83	22.74 ug/l	213029	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Tetrahydrofuran	72	C4H8O	000109-99-9	38
4	Pentane	72	C5H12	000109-66-0	38
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

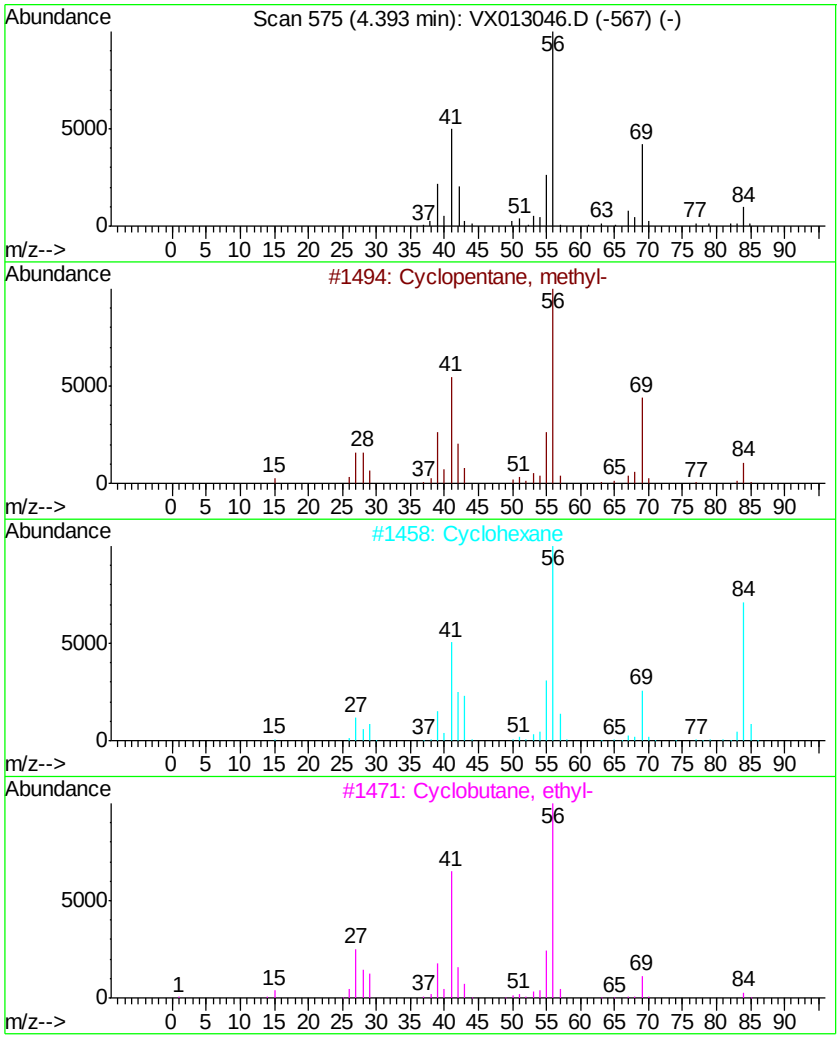
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

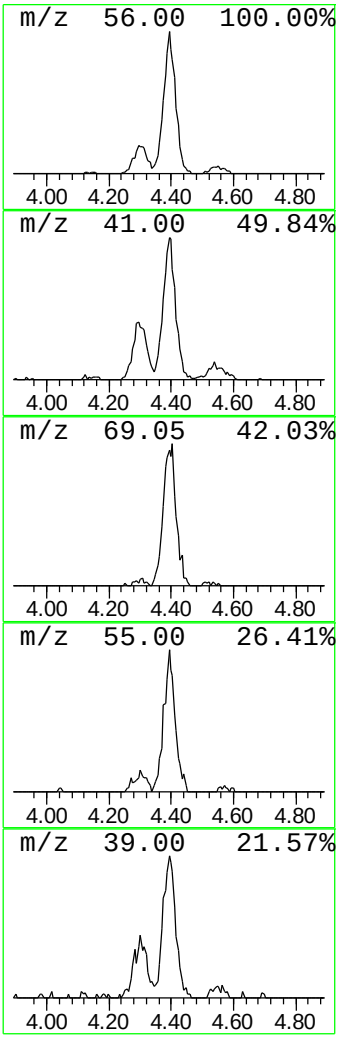
****

Peak Number 5 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	9.28 ug/l	86911	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	90
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	56
5	Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

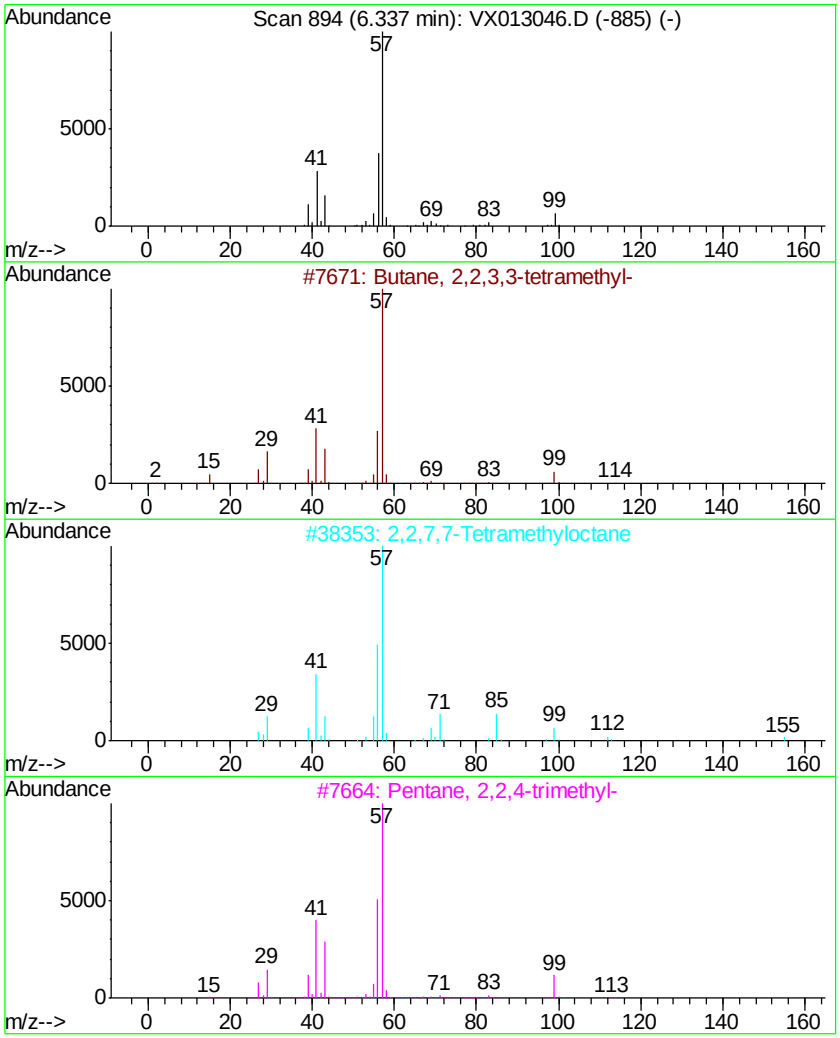
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

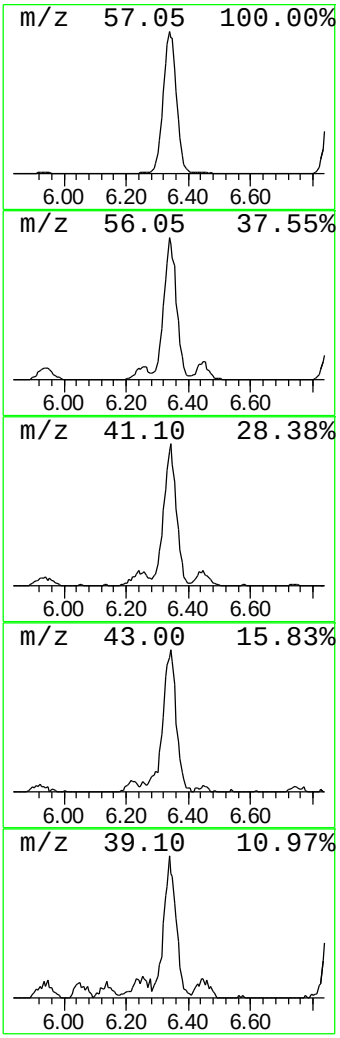
****

Peak Number 6 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	15.01 ug/l	201283	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

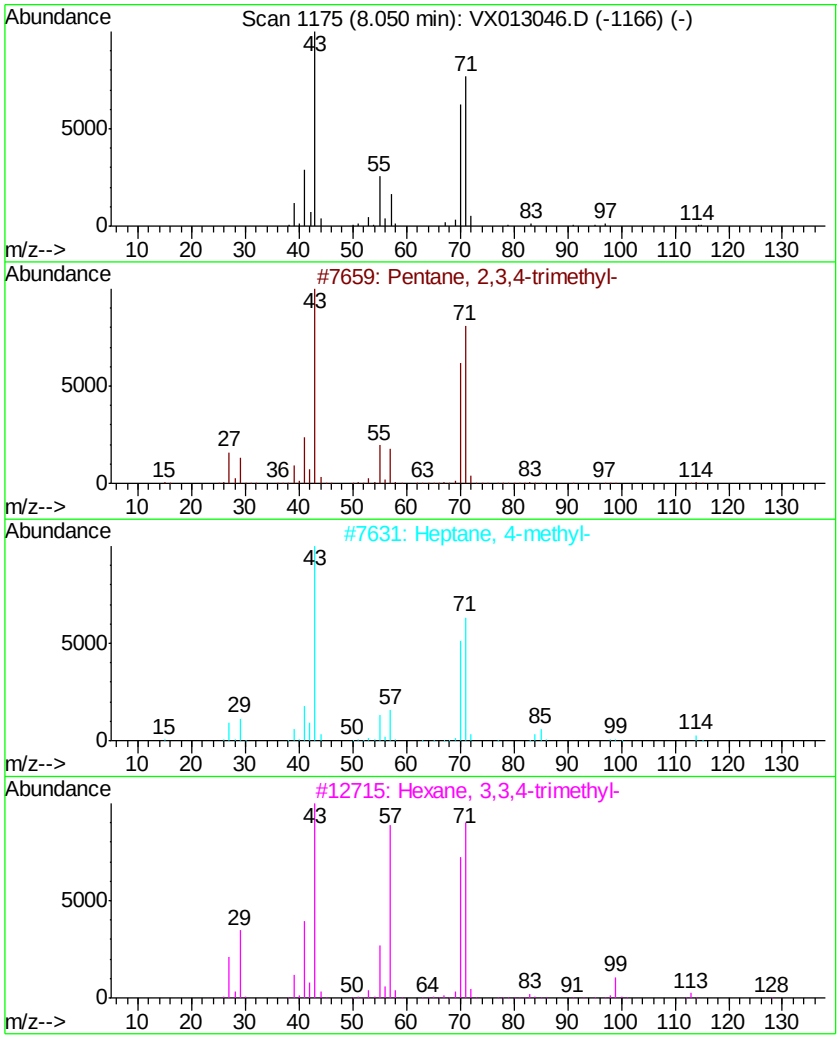
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

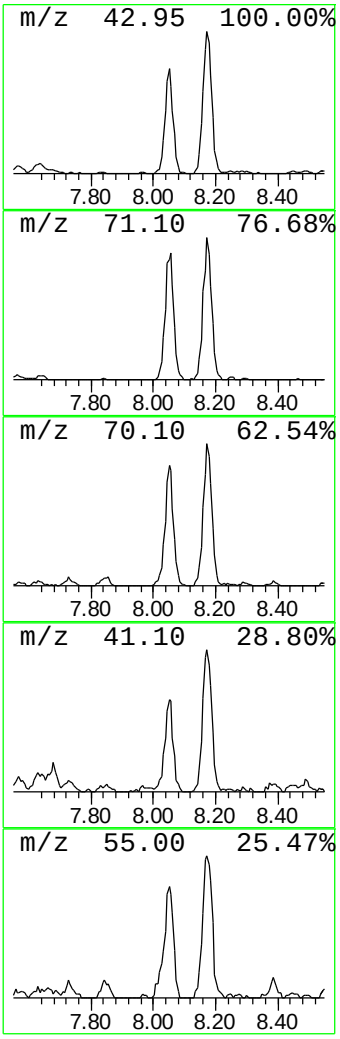
****

Peak Number 7 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	6.07 ug/l	81348	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

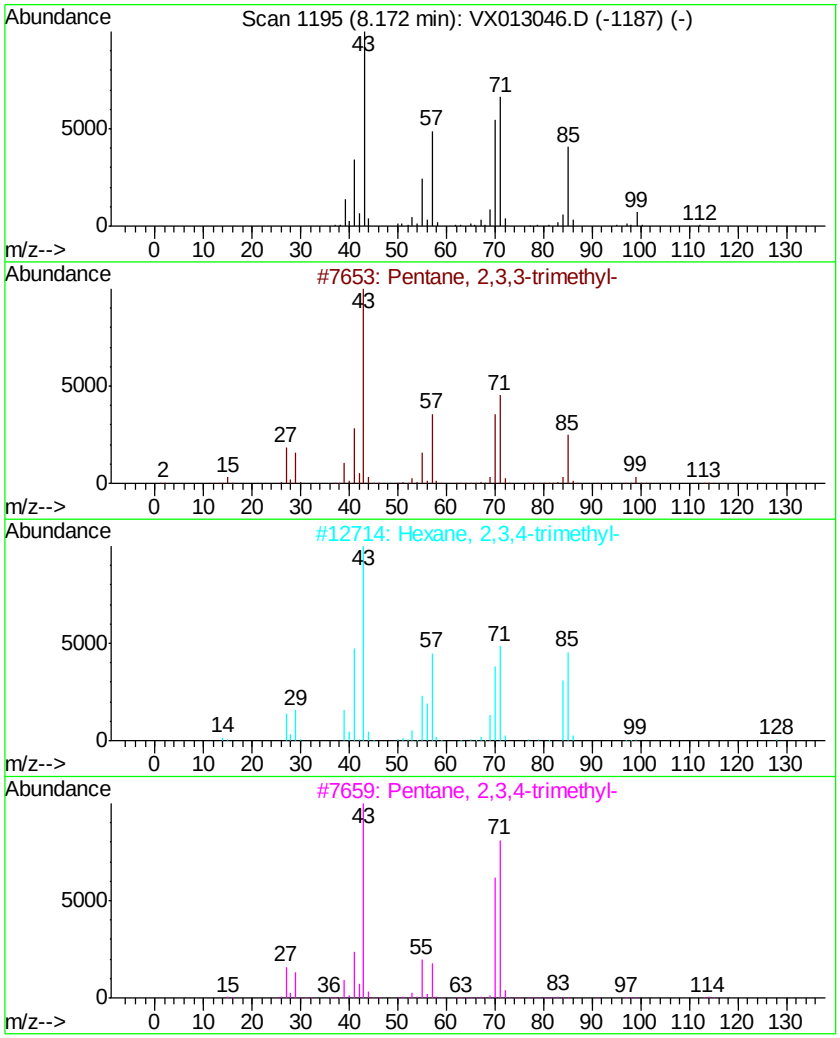
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

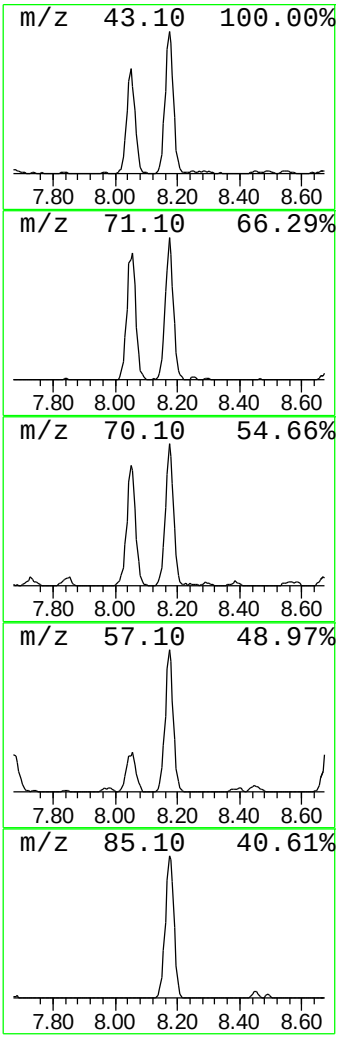
****

Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	9.69 ug/l	129930	1,4-Difluorobenzene	6.85

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	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013046.D
Acq On : 14 Oct 2019 12:59
Operator : JC/SP
Sample : K5313-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-7338B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.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-	1.78	55.4	ug/l	518914	1	5.65	468402	50.0
Isopropyl Alcohol	2.59	12.2	ug/l	114094	1	5.65	468402	50.0
Butane, 2,3-dimet...	2.83	22.7	ug/l	213029	1	5.65	468402	50.0
Cyclopentane, met...	4.39	9.3	ug/l	86911	1	5.65	468402	50.0
Butane, 2,2,3,3-t...	6.34	15.0	ug/l	201283	2	6.85	670366	50.0
Pentane, 2,3,4-tr...	8.05	6.1	ug/l	81348	2	6.85	670366	50.0
Pentane, 2,3,3-tr...	8.17	9.7	ug/l	129930	2	6.85	670366	50.0