LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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	41	rBV	725016	883003	82.98%	8.518%
2	1.265	59	62	69	rBV	18996	25474	2.39%	0.246%
3	1.399	80	84	89	rVB	33881	35474	3.33%	0.342%
4	1.783	141	147	159	rVB	738835	1016797	95.56%	9.808%
5	1.990	176	181	189	rVB2	23258	38060	3.58%	0.367%
6	2.259	219	225	235	rVB3	9644	19625	1.84%	0.189%
7	2.387	238	246	250	rVV4	5626	12297	1.16%	0.119%
8	2.594	269	280	291	rBV	45802	86040	8.09%	0.830%
9	2.838	311	320	331	rBV	197577	462939	43.51%	4.466%
10	2.923	331	334	341	rVV	9132	17126	1.61%	0.165%
11	3.009	341	348	358	rVB2	6365	16733	1.57%	0.161%
12	3.161	365	373	389	rVB	52265	119289	11.21%	1.151%
13	4.301	546	560	568	rBV2	42949	133296	12.53%	1.286%
14	4.399	569	576	586	rVV2	14591	43701	4.11%	0.422%
15	4.551	589	601	615	rBV6	7799	32027	3.01%	0.309%
16	4.679	615	622	634	rVB	4506	13801	1.30%	0.133%
17	5.490	743	755	763	rBV2	98144	280247	26.34%	2.703%
18	5.569	763	768	773	rVV4	16075	45227	4.25%	0.436%
19	5.654	773	782	789	rVV2	186064	552377	51.91%	5.328%
20	5.721	789	793	805	rVB2	61135	158648	14.91%	1.530%
21	5.941	820	829	838	rBV5	10058	31778	2.99%	0.307%
22	6.057	838	848	856	rVV	114269	300854	28.27%	2.902%
23	6.136	856	861	870	rVV2	25751	66947	6.29%	0.646%
24	6.252	871	880	884	rVV4	15523	42573	4.00%	0.411%
25	6.343	884	895	906	rVV	352337	1064082	100.00%	10.264%
26	6.447	906	912	922	rVB5	7960	21288	2.00%	0.205%
27	6.849	968	978	991	rBV	277329	661832	62.20%	6.384%
28	7.441	1067	1075	1085	rBV3	10743	27696	2.60%	0.267%
29	7.569	1089	1096	1101	rBV2	16758	34906	3.28%	0.337%
30	7.630	1101	1106	1110	rVV3	24427	50182	4.72%	0.484%
31	7.678	1110	1114	1119	rVB	22041	42097	3.96%	0.406%
32	7.843	1133	1141	1151	rVB2	7410	15944	1.50%	0.154%
33	8.050	1165	1175	1186	rBV	217532	432690	40.66%	4.174%
34	8.172	1186	1195	1204	rBV	302580	596784	56.08%	5.757%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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	8.386	1222	1230	1235	rBV5	7400	14665	1.38%	0.141%
36	8.447	1235	1240	1246	rBV2	7678	13702	1.29%	0.132%
37	8.709	1278	1283	1298	rVB	550996	907156	85.25%	8.751%
38	8.837	1298	1304	1309	rBV2	17914	29663	2.79%	0.286%
39	9.038	1331	1337	1343	rVB2	29396	48125	4.52%	0.464%
40	9.160	1347	1357	1363	rBV4	13095	25451	2.39%	0.246%
41	9.568	1417	1424	1429	rBV2	9030	14584	1.37%	0.141%
42	9.672	1436	1441	1446	rBV2	21416	32425	3.05%	0.313%
43	10.111	1507	1513	1521	rBV	507121	720774	67.74%	6.953%
44	10.184	1521	1525	1530	rVV	12508	20467	1.92%	0.197%
45	10.355	1545	1553	1559	rVB8	9705	24617	2.31%	0.237%
46	10.641	1591	1600	1608	rBV5	6350	18407	1.73%	0.178%
47	11.135	1675	1681	1687	rBV	384197	501143	47.10%	4.834%
48	12.074	1830	1835	1847	rVB	467806	583431	54.83%	5.628%
49	12.751	1942	1946	1953	rVB	12661	15181	1.43%	0.146%
50	13.714	2094	2104	2109	rVB5	6608	15248	1.43%	0.147%

Sum of corrected areas: 10366873

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
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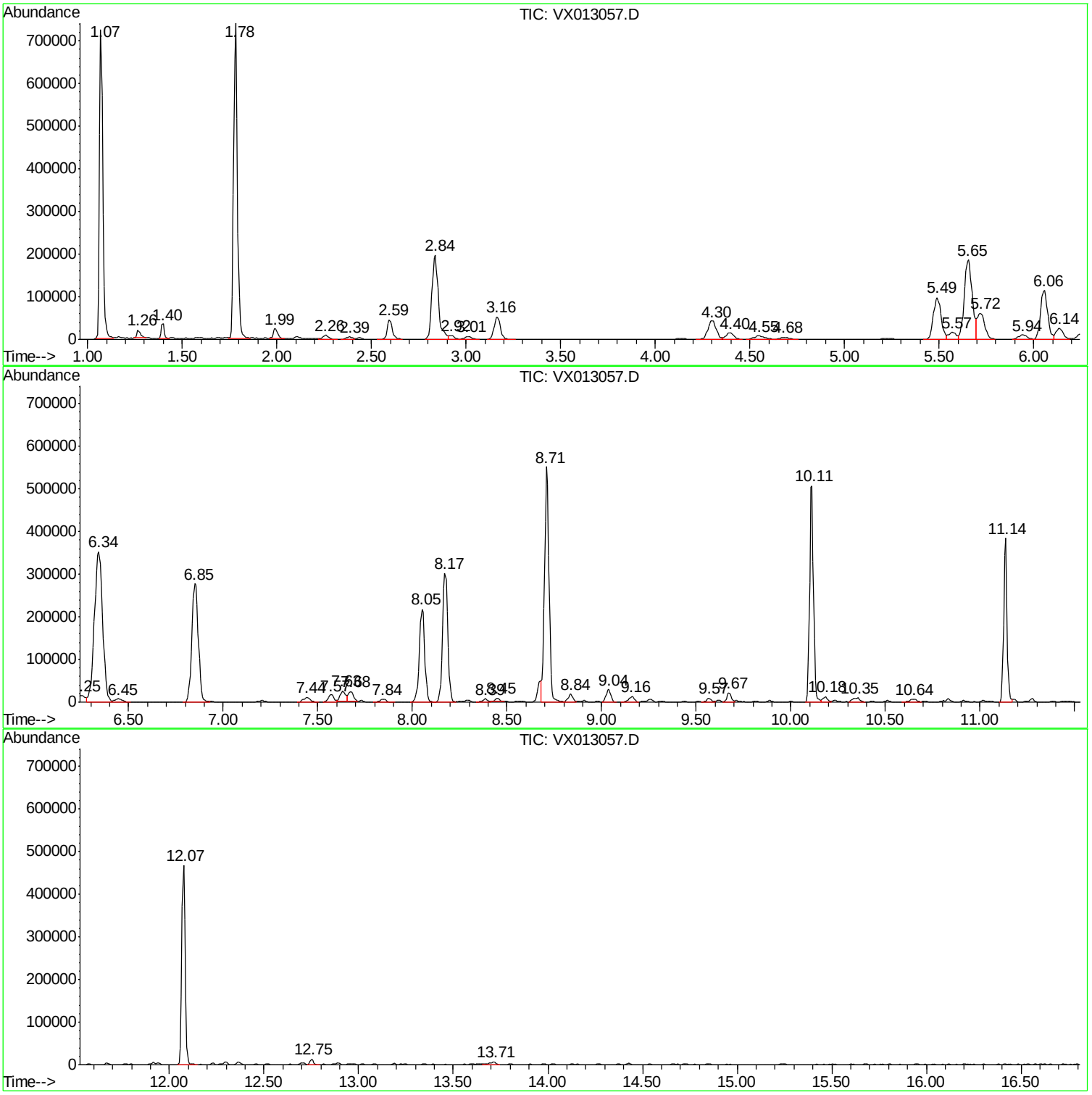
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7340B

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

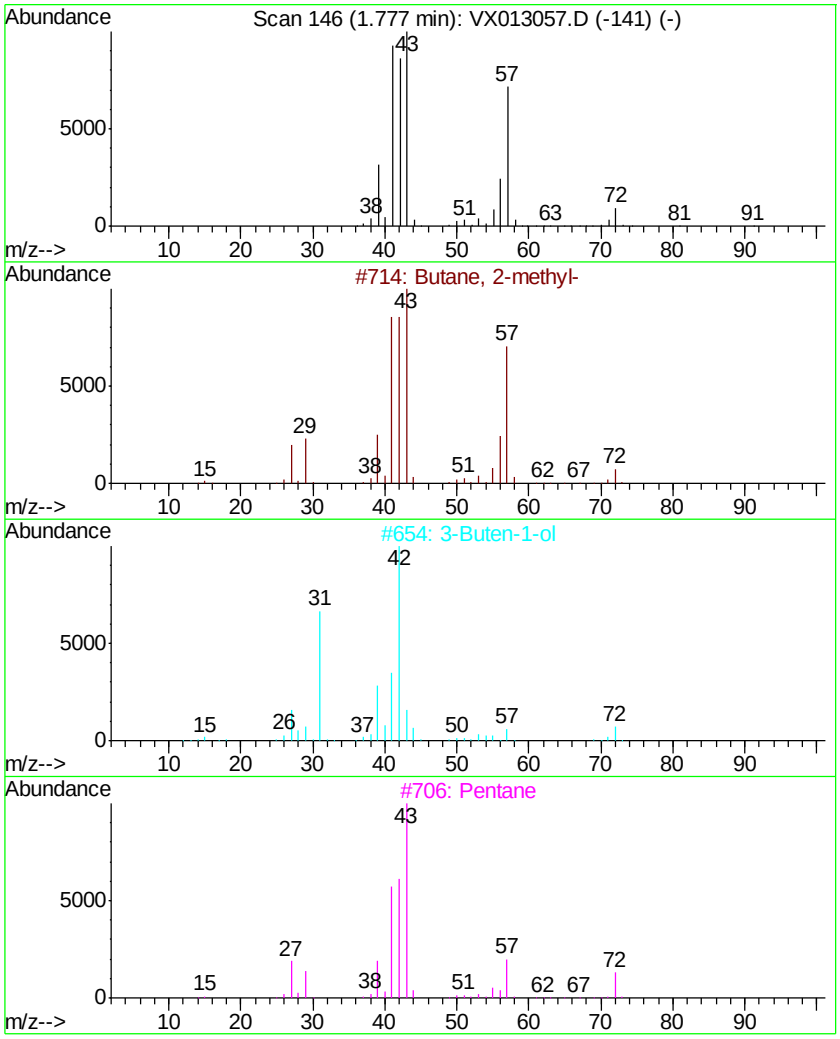
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

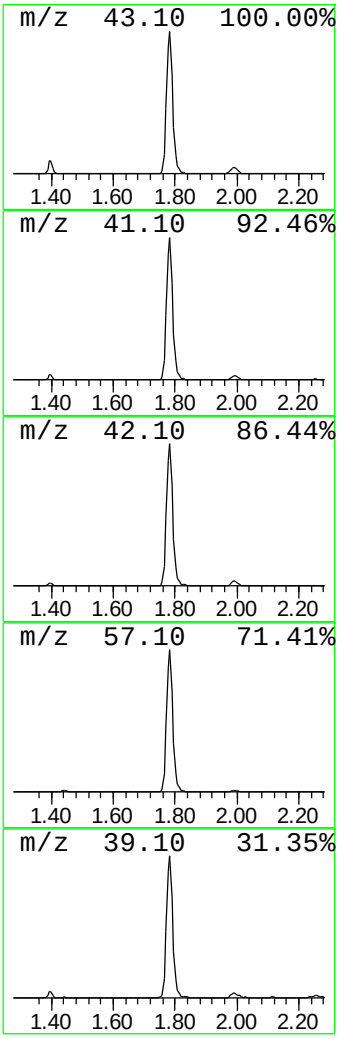
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	92.04 ug/l	1016800	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	50
3	Pentane	72	C5H12	000109-66-0	36
4	1-Butene	56	C4H8	000106-98-9	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

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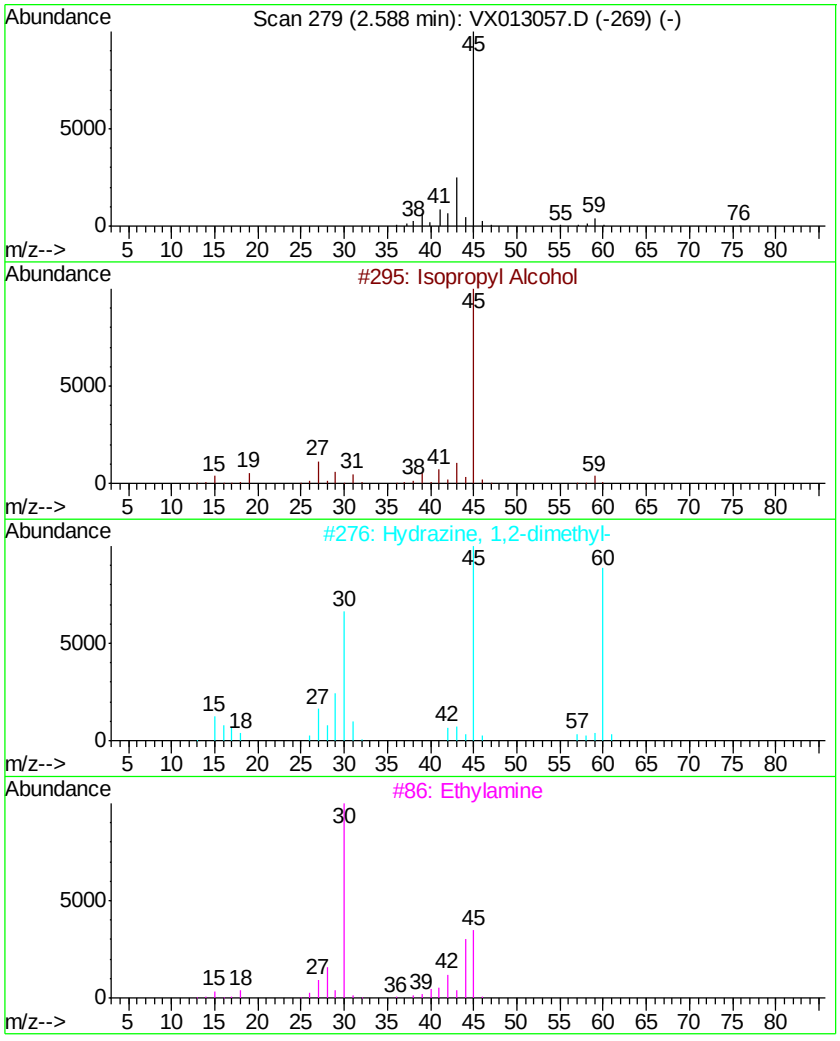
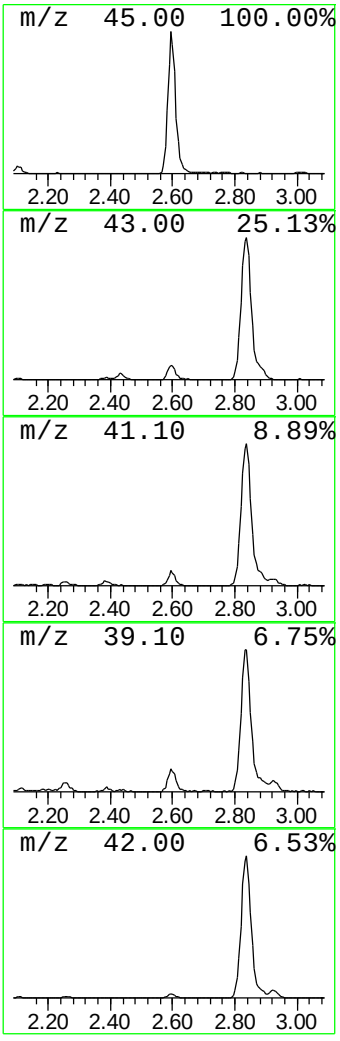
Peak Number 3 Isopropyl Alcohol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	7.79 ug/l	86040	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	86
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Ethylamine	45	C2H7N	000075-04-7	5
4	Formamide	45	CH3NO	000075-12-7	5
5	Oxirane, (methoxymethyl)-	88	C4H8O2	000930-37-0	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

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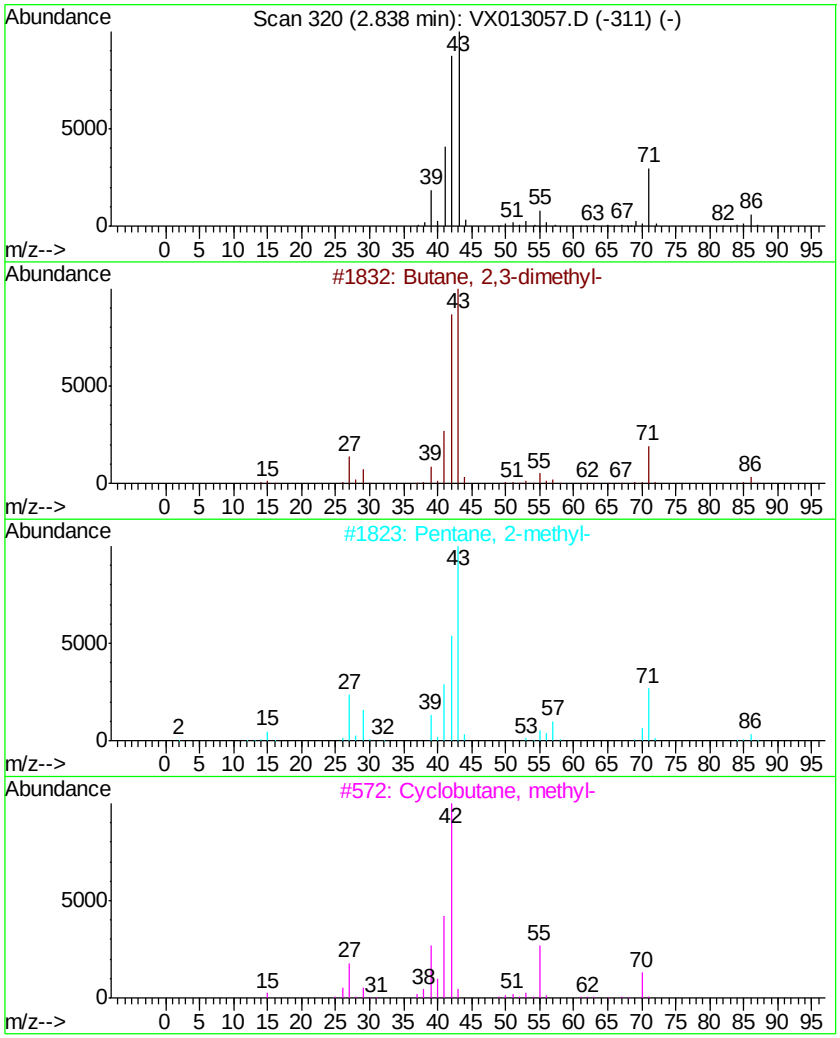
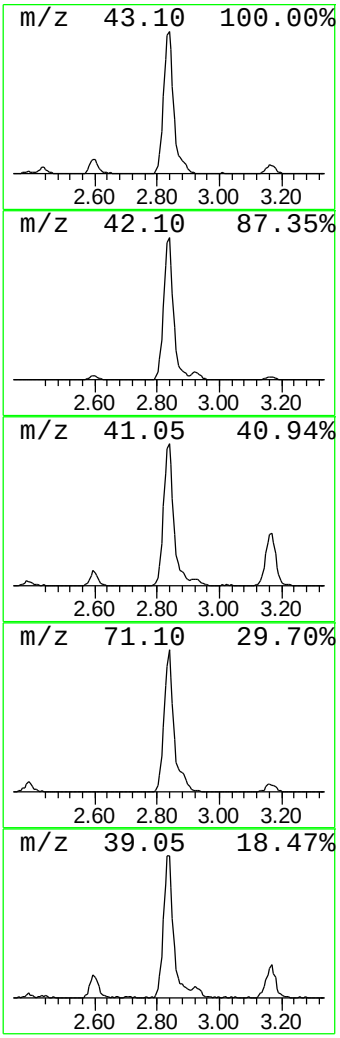
Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	41.90 ug/l	462939	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	53
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	38
4	Tetrahydrofuran	72	C4H8O	000109-99-9	38
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

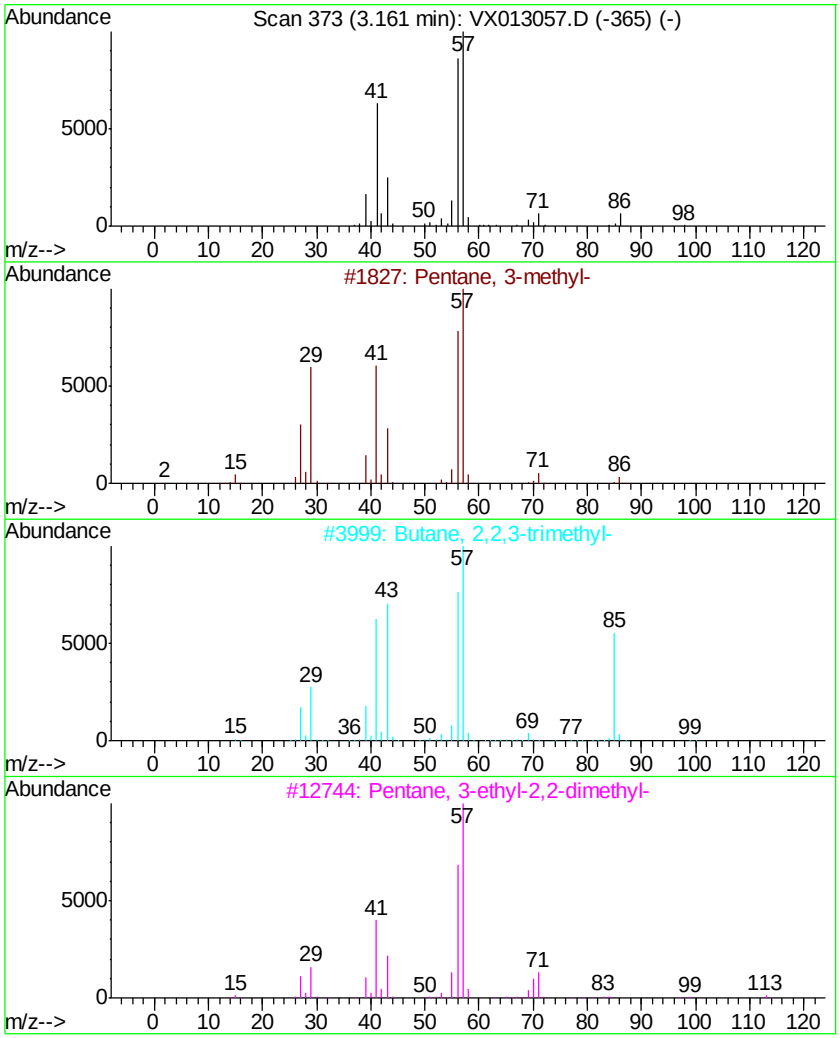
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

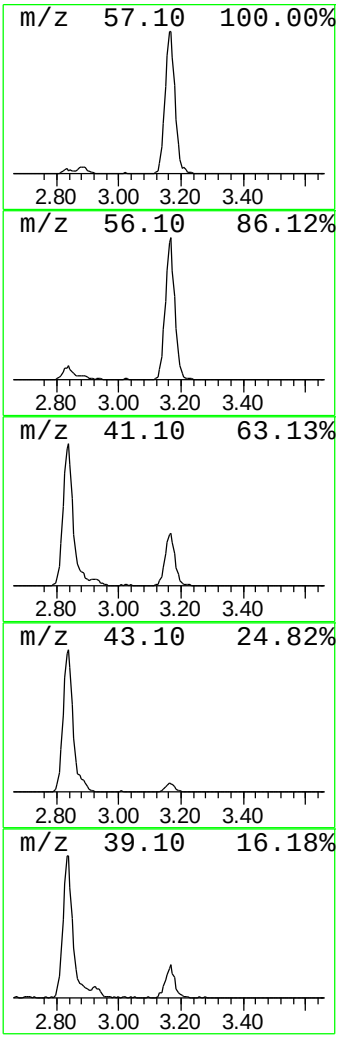
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	10.80 ug/l	119289	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

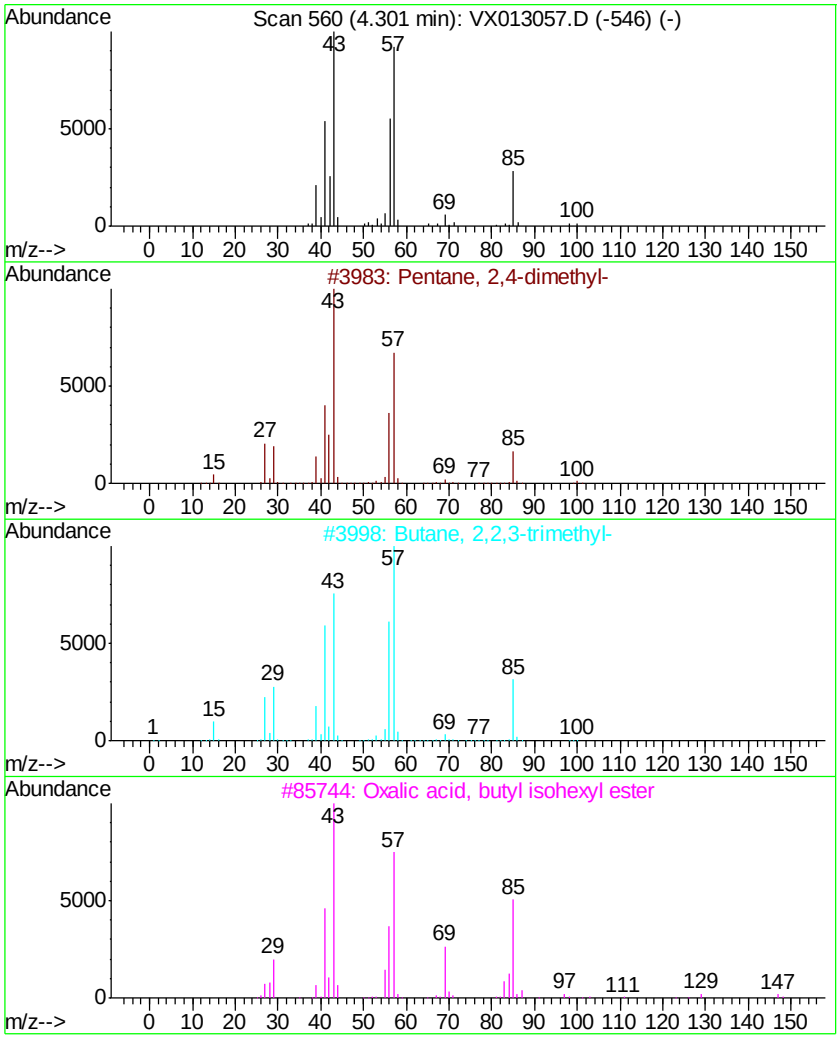
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

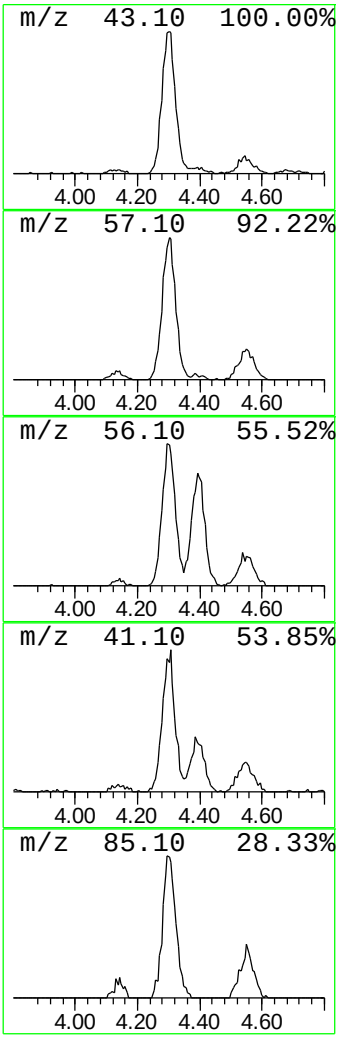
****

Peak Number 6 Pentane, 2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	12.07 ug/l	133296	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

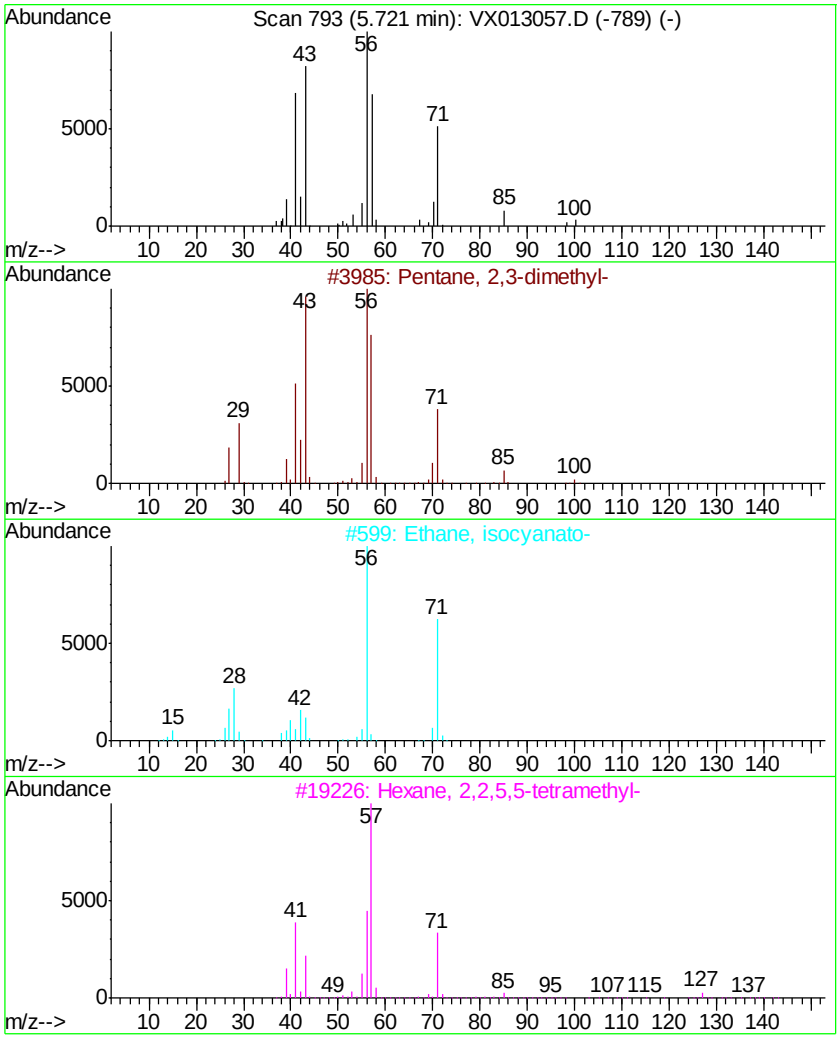
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

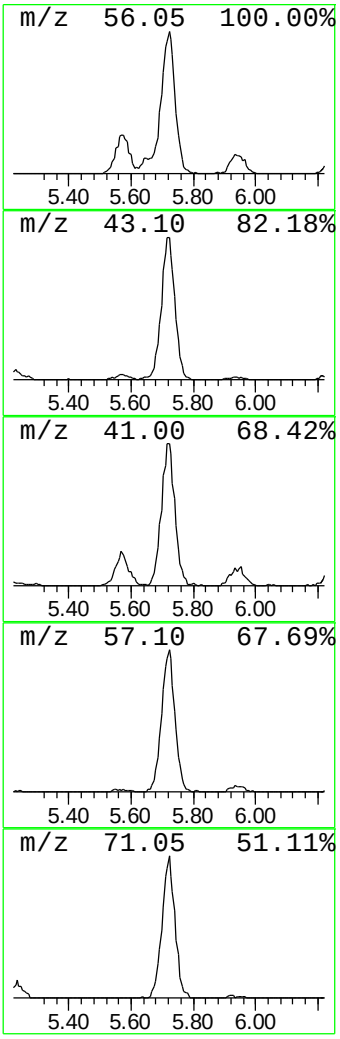
****

Peak Number 7 Pentane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	14.36 ug/l	158648	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
2	Ethane, isocyanato-	71	C3H5NO	000109-90-0	59
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	56
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	47
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45





Library Search Compound Report

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

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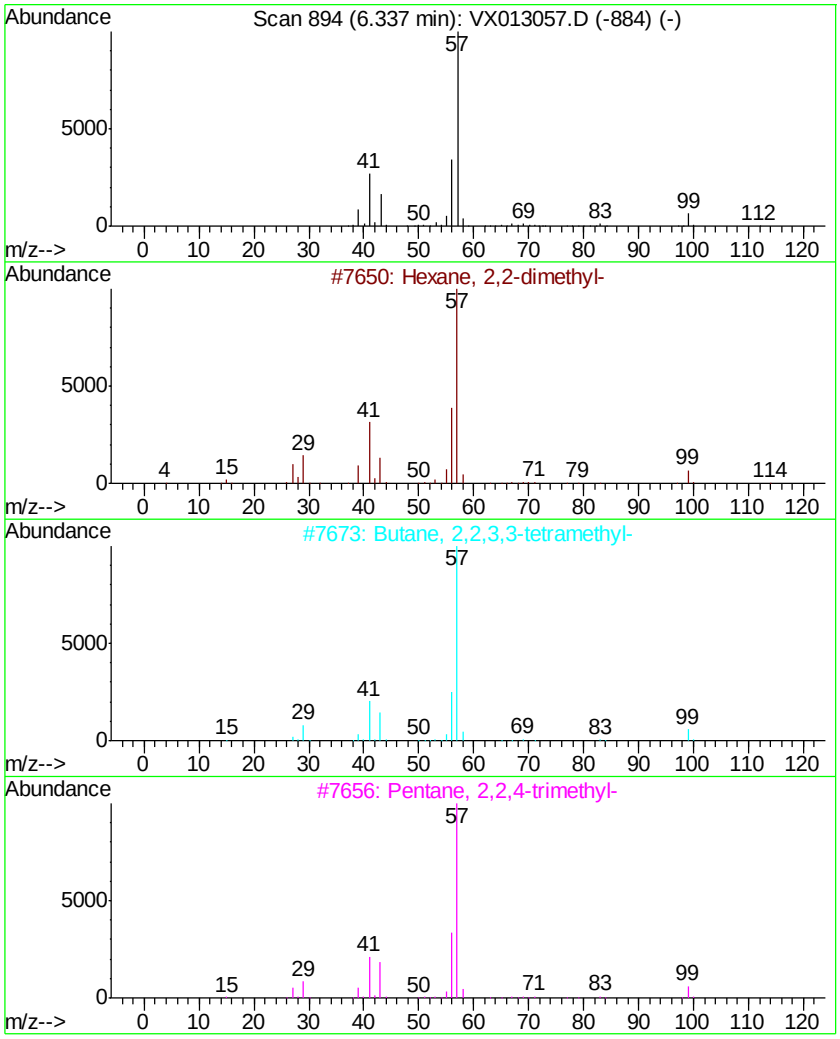
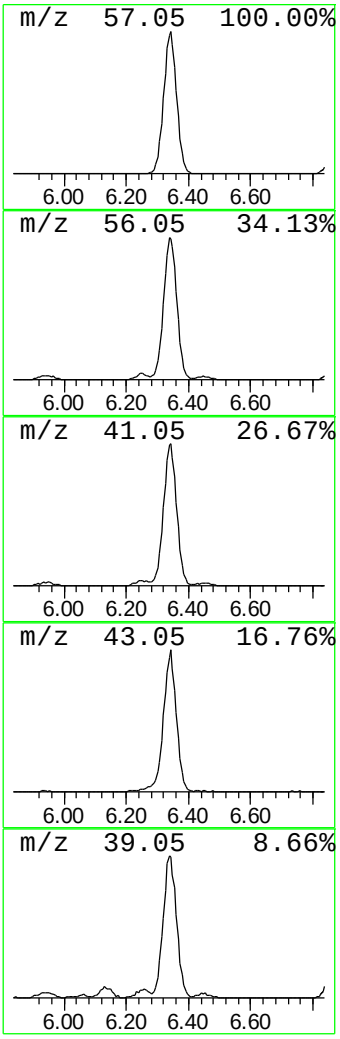
Peak Number 8 Hexane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	80.39 ug/l	1064080	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

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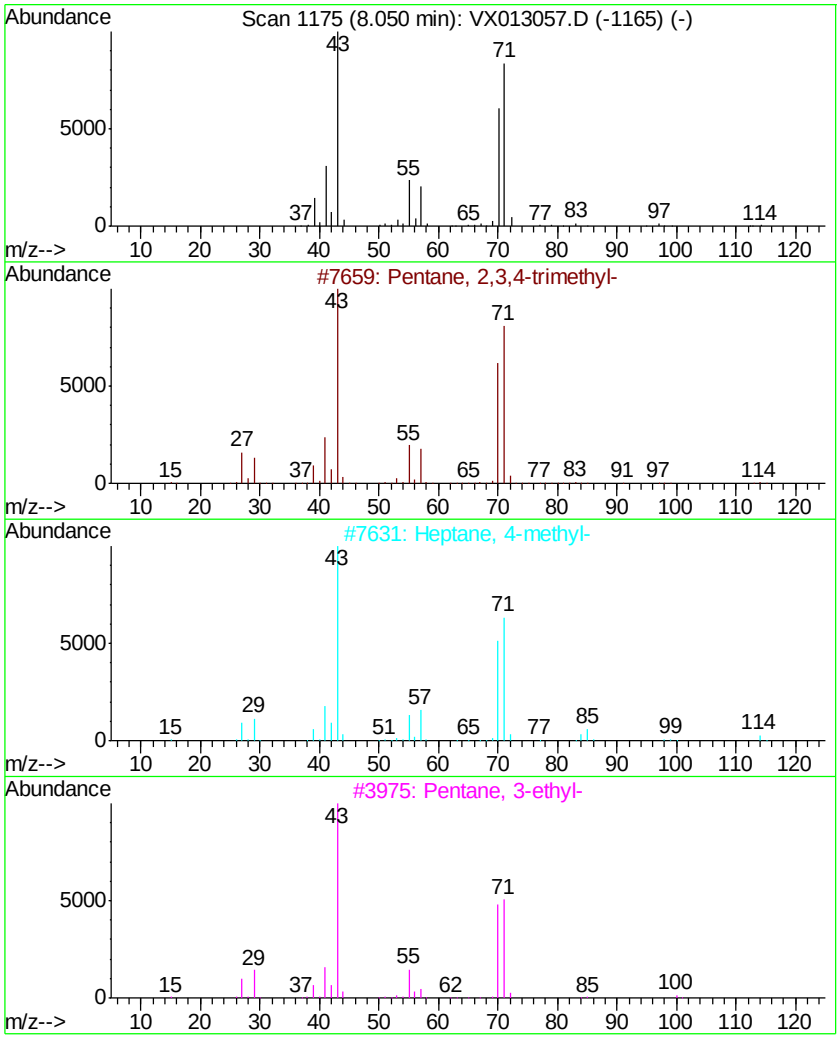
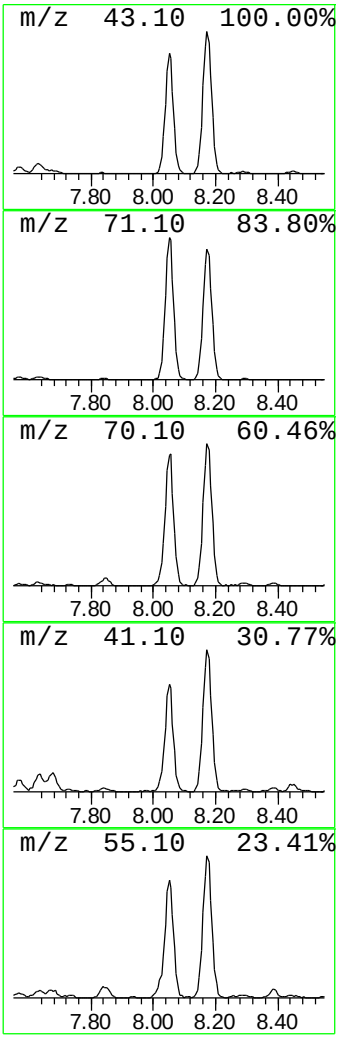
Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	32.69 ug/l	432690	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	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
5	Hexanoic acid, 1,1-dimethylpropy...	186	C11H22O2	116423-69-9	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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

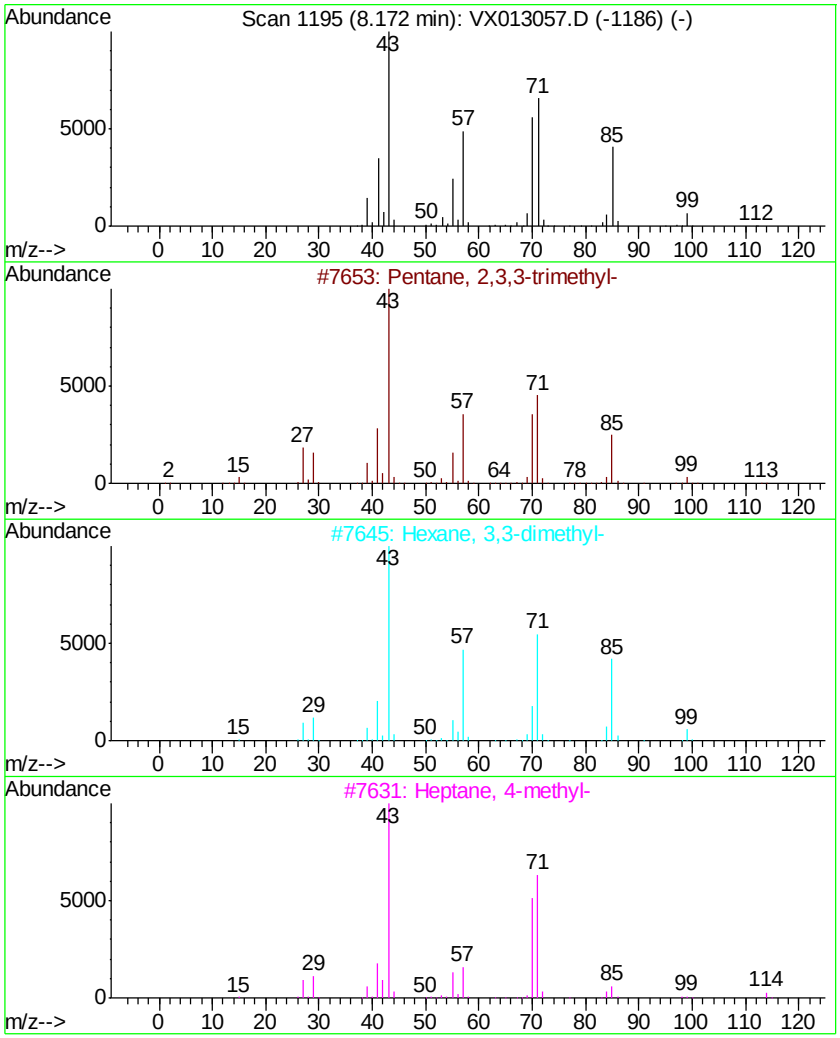
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

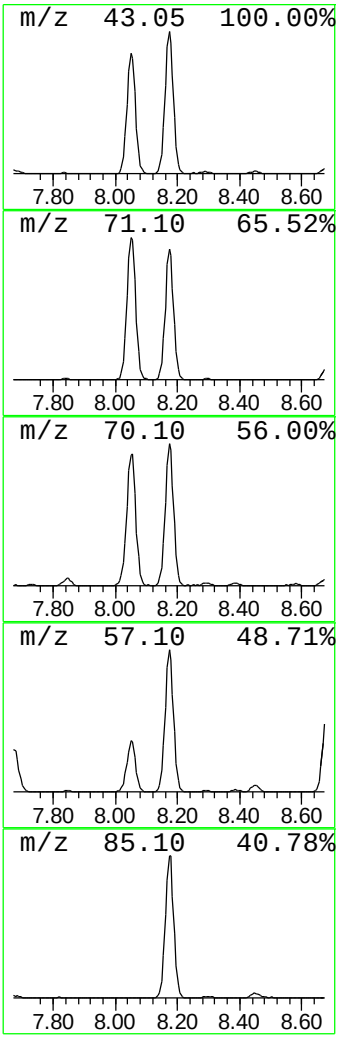
****

Peak Number 10 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	45.09 ug/l	596784	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, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101419\
Data File : VX013057.D
Acq On : 14 Oct 2019 17:16
Operator : JC/SP
Sample : K5313-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FA19-JBW7340B

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	92.0	ug/l	1016800	1	5.65	552377	50.0
Isopropyl Alcohol	2.59	7.8	ug/l	86040	1	5.65	552377	50.0
Butane, 2,3-dimet...	2.84	41.9	ug/l	462939	1	5.65	552377	50.0
Pentane, 3-methyl-	3.16	10.8	ug/l	119289	1	5.65	552377	50.0
Pentane, 2,4-dime...	4.30	12.1	ug/l	133296	1	5.65	552377	50.0
Pentane, 2,3-dime...	5.72	14.4	ug/l	158648	1	5.65	552377	50.0
Hexane, 2,2-dimet...	6.34	80.4	ug/l	1064080	2	6.85	661832	50.0
Pentane, 2,3,4-tr...	8.05	32.7	ug/l	432690	2	6.85	661832	50.0
Pentane, 2,3,3-tr...	8.17	45.1	ug/l	596784	2	6.85	661832	50.0